

# Ecu\_RK\_3a.R

*Antares*

*2019-04-10*

```
#####
# PROCEDIMIENTO PARA ESTIMAR EL CARBONO ORGANICO EN LOS SUELOS=====
# ===== DE ECUADOR (KG/M2) Y (TN/HA) =====
#####

# MODELO EMPLEADO REGRESION - KRIGING.
# CANTIDAD DE PERFILES DE SUELOS PARA CALIBRACION:12924.
# CANTIDAD DE PERFILES DE SUELOS DEJADOS PARA VALIDACIO: 1000.

# Establecemos el directorio de trabajo.

setwd("C:/Marsev/Ecuador/")

#load("C:/Marsev/Ecuador/Ecuador_mg_vs_resobaja.Rdata")

# Cargamos las librerias o paquetes requeridos.

library(raster)

## Loading required package: sp
library(car)

## Loading required package: carData
library(rgdal)

## rgdal: version: 1.4-3, (SVN revision 828)
## Geospatial Data Abstraction Library extensions to R successfully loaded
## Loaded GDAL runtime: GDAL 2.2.3, released 2017/11/20
## Path to GDAL shared files: C:/Users/Antares/Documents/R/win-library/3.5/rgdal/gdal
## GDAL binary built with GEOS: TRUE
## Loaded PROJ.4 runtime: Rel. 4.9.3, 15 August 2016, [PJ_VERSION: 493]
## Path to PROJ.4 shared files: C:/Users/Antares/Documents/R/win-library/3.5/rgdal/proj
## Linking to sp version: 1.3-1

library(gstat)
library(caret)

## Loading required package: lattice
## Loading required package: ggplot2

library(reshape)
library(sp)
library(lattice)
library(ggplot2)
library(automap)
library(Metrics)

##
```

```
## Attaching package: 'Metrics'

## The following objects are masked from 'package:caret':
##
##      precision, recall
# Cargamos las funciones requeridas.

load("DSM_supportfunctions.RData")

dummyRaster <- function(rast){
  rast <- as.factor(rast)
  result <- list()
  for(i in 1:length(levels(rast)[[1]][[1]])){
    result[[i]] <- rast == levels(rast)[[1]][[1]][i]
    names(result[[i]]) <- paste0(names(rast),
                                levels(rast)[[1]][[1]][i])
  }
  return(stack(result))
}

# Cargamos los datos del splines.

dat <- read.csv("Ecu_cali7.csv")

# Observamos los nombres de los campos o columnas.

names(dat)
```

##	[1]	"ID1"	"ID"
##	[3]	"LATITUDE"	"LONGITUDE"
##	[5]	"OCSKGM30"	"DEM"
##	[7]	"Analytical"	"Slope"
##	[9]	"Aspect"	"Crosssecti"
##	[11]	"Longitudin"	"Covergence"
##	[13]	"Closeddepr"	"Flowaccumu"
##	[15]	"Topographi"	"LSFactor"
##	[17]	"Channelnet"	"VerticalDistanceToChannelNetwork"
##	[19]	"ValleyDepth"	"RelativeSlopePosition"
##	[21]	"DEMSRE3a"	"etmnts3a"
##	[23]	"evmmod3a"	"evsmod3a"
##	[25]	"g01igb3a"	"g02esa3a"
##	[27]	"g02igb3a"	"g03esa3a"
##	[29]	"g04esa3a"	"g04igb3a"
##	[31]	"g05esa3a"	"g06esa3a"
##	[33]	"g10igb3a"	"g11esa3a"
##	[35]	"g11igb3a"	"g12igb3a"
##	[37]	"g13esa3a"	"g14esa3a"
##	[39]	"g18esa3a"	"gacgem3a"
##	[41]	"gachws3a"	"galhws3a"
##	[43]	"ganhws3a"	"garhws3a"
##	[45]	"gcmhws3a"	"geaisg3a"
##	[47]	"gflhws3a"	"gglhws3a"
##	[49]	"glcesa3a"	"glcjrc3a"
##	[51]	"glphws3a"	"glvhws3a"

```
## [53] "glwwf3a"      "gphws3a"
## [55] "gplhws3a"     "grghws3a"
## [57] "gumhws3a"     "gvrhws3a"
## [59] "inmsre3a"     "inssre3a"
## [61] "l02igb3a"     "l04igb3a"
## [63] "l05igb3a"     "l06igb3a"
## [65] "l07igb3a"     "l08igb3a"
## [67] "l09igb3a"     "l10igb3a"
## [69] "l11igb3a"     "l12igb3a"
## [71] "l13igb3a"     "l14igb3a"
## [73] "l3pobi3b"     "lammod3a"
## [75] "lasmod3a"     "opisre3a"
## [77] "px1wcl3a"     "px2wcl3a"
## [79] "px3wcl3a"     "px4wcl3a"
## [81] "slpsrt3a"     "tdhmod3a"
## [83] "tdlmod3a"     "tdmmod3a"
## [85] "tdsmod3a"     "tnhmod3a"
## [87] "tnlmod3a"     "tnmmod3a"
## [89] "tnsmod3a"     "twisre3a"
## [91] "tx1mod3a"     "tx2mod3a"
## [93] "tx3mod3a"     "tx4mod3a"
## [95] "tx5mod3a"     "tx6mod3a"
## [97] "Bioclivs"     "Climavs"
## [99] "Cobervs"      "Ecosivs"
## [101] "Geolovs"      "Geomovs"
## [103] "Pisosvs"      "Suelosvs"
```

```
# Transformamos a factor las covariables categoricas.
```

```
dat$Bioclivs <- as.factor(dat$Bioclivs)
dat$Climavs <- as.factor(dat$Climavs)
dat$Cobervs <- as.factor(dat$Cobervs)
dat$Pisosvs <- as.factor(dat$Pisosvs)
dat$Suelosvs <- as.factor(dat$Suelosvs)
```

```
# Vemos estructura de los datos.
```

```
str(dat)
```

```
## 'data.frame':    10137 obs. of  104 variables:
## $ ID1              : int  11338 39 837 10089 10099 10291 10535 11341 13 31 ...
## $ ID               : Factor w/ 10137 levels "CG1-P003_-2.23_-79.5",...: 9715 24 706 8
## $ LATITUDE         : num  1.32 1.15 1.28 1.28 1.28 1.19 1.15 1.15 1.06 1.12 ...
## $ LONGITUDE        : num  -78.7 -78.7 -78.7 -78.7 -78.7 ...
## $ OCSKGM30         : num  1.97 4.58 8.21 7.84 3.74 ...
## $ DEM              : num  85.1 43 98.8 98.8 98.8 ...
## $ Analytical       : num  0.797 1.363 1.03 1.03 1.03 ...
## $ Slope            : num  1.57 1.57 1.57 1.57 1.57 ...
## $ Aspect           : num  5.65 0.49 4.74 4.74 4.74 ...
## $ Crosssecti       : num  25498 -20022 19172 19172 19172 ...
## $ Longitudin       : num  17951 1892 -14454 -14454 -14454 ...
## $ Covergence       : num  3.06 -15.24 4.34 4.34 4.34 ...
## $ Closeddepr       : num  -3.70e-07 -1.54e-07 6.65e-07 6.65e-07 6.65e-07 ...
## $ Flowaccumu       : num  0.000298 0.006458 0.000138 0.000138 0.000138 ...
## $ Topographi       : num  -10.74 -6.51 -11.63 -11.63 -11.63 ...
```

```

## $ LSFactor : num 4.31 9.16 3.51 3.51 3.51 ...
## $ Channelnet : num 56 43 58.7 58.7 58.7 ...
## $ VerticalDistanceToChannelNetwork: num 29.1 0 40.1 40.1 40.1 ...
## $ ValleyDepth : num 474 600 386 386 386 ...
## $ RelativeSlopePosition : num 0.0578 0 0.0941 0.0941 0.0941 ...
## $ DEMSRE3a : int 87 42 100 100 100 34 42 49 24 16 ...
## $ etmnts3a : int 11739 10094 12185 12185 12185 9521 10094 8648 14863 9390 .
## $ evmmod3a : int 5672 5449 5741 5741 5741 4714 5449 4876 5254 5740 ...
## $ evsmod3a : int 1131 947 1051 1051 1051 1038 947 1312 1140 1078 ...
## $ g01igb3a : int 9 14 10 10 10 2 14 2 14 2 ...
## $ g02esa3a : int 0 0 0 0 0 50 0 0 0 0 ...
## $ g02igb3a : int 9 14 10 10 10 2 14 2 14 2 ...
## $ g03esa3a : int 75 0 0 0 0 50 0 0 0 0 ...
## $ g04esa3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ g04igb3a : int 9 14 2 2 2 14 14 2 14 2 ...
## $ g05esa3a : int 25 0 100 100 100 0 0 100 0 100 ...
## $ g06esa3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ g10igb3a : int 14 14 14 14 14 14 14 2 14 2 ...
## $ g11esa3a : int 0 100 0 0 0 0 100 0 0 0 ...
## $ g11igb3a : int 2 2 14 14 14 14 2 2 14 2 ...
## $ g12igb3a : int 2 2 14 14 14 2 2 2 14 2 ...
## $ g13esa3a : int 0 0 0 0 0 0 0 0 100 0 ...
## $ g14esa3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ g18esa3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ gacgem3a : int 544 363 540 540 540 262 363 192 69 157 ...
## $ gachws3a : int 30 30 30 30 30 30 30 30 0 30 ...
## $ galhws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ ganhws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ garhws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ gcmhws3a : int 40 40 40 40 40 40 40 40 25 40 ...
## $ geaisg3a : int 72 80 80 80 80 80 80 80 80 72 ...
## $ gflhws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ gglhws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ glcesa3a : int 20 110 40 40 40 14 110 40 130 40 ...
## $ glcjrc3a : int 17 17 16 16 16 16 17 1 14 17 ...
## $ glphws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ glvhws3a : int 30 30 30 30 30 30 30 30 75 30 ...
## $ glwwwf3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ gphhws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ gplhws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ grghws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ gumhws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ gvrhws3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ inmsre3a : int 33 33 34 34 34 34 33 34 34 33 ...
## $ inssre3a : num 20.9 20.8 20.7 20.7 20.7 ...
## $ l02igb3a : int 20 20 20 20 20 40 20 100 0 100 ...
## $ l04igb3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ l05igb3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ l06igb3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ l07igb3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ l08igb3a : int 0 0 0 0 0 0 0 0 0 0 ...
## $ l09igb3a : int 60 0 0 0 0 0 0 0 0 0 ...
## $ l10igb3a : int 0 0 40 40 40 0 0 0 0 0 ...
## $ l11igb3a : int 0 0 0 0 0 0 0 0 0 0 ...

```

```
## $ l12igb3a      : int  0 0 0 0 0 0 0 0 0 0 ...
## $ l13igb3a      : int  0 0 0 0 0 0 0 0 0 0 ...
## $ l14igb3a      : int  20 80 40 40 40 60 80 0 100 0 ...
## $ l3pobi3b      : int  7 7 7 7 7 7 7 7 7 7 ...
## $ lammod3a      : int  14 9 14 14 14 18 9 16 28 13 ...
## $ lasmod3a      : int  15 7 11 11 11 22 7 19 24 14 ...
## $ opisre3a      : int  1569 1560 1570 1570 1570 1564 1560 1569 1567 1563 ...
## $ px1wcl3a      : int  191 171 192 192 192 169 171 171 151 165 ...
## $ px2wcl3a      : int  301 264 299 299 299 276 264 276 243 264 ...
## $ px3wcl3a      : int  300 259 294 294 294 262 259 257 186 248 ...
## $ px4wcl3a      : int  153 149 156 156 156 142 149 144 96 143 ...
## $ slpsrt3a      : int  2 2 2 2 2 4 2 1 1 1 ...
## $ tdhmod3a      : int  29 28 29 29 29 28 28 29 32 30 ...
## $ tdlmod3a      : int  21 21 23 23 23 23 21 22 16 21 ...
## $ tdmmod3a      : int  25 26 27 27 27 26 26 26 23 25 ...
## $ tdsmod3a      : int  2 2 2 2 2 2 2 2 4 2 ...
## $ tnhmod3a      : int  21 22 20 20 20 22 22 22 22 22 ...
## $ tnlmod3a      : int  10 19 11 11 11 15 19 19 15 13 ...
## $ tnmmod3a      : int  17 20 16 16 16 18 20 21 20 18 ...
## $ tnsmod3a      : int  4 1 3 3 3 2 1 1 2 3 ...
## $ twisre3a      : int  118 121 120 120 120 121 121 122 121 122 ...
## $ tx1mod3a      : int  24 24 25 25 25 24 24 25 23 25 ...
## $ tx2mod3a      : int  27 27 29 29 29 27 27 27 25 27 ...
## $ tx3mod3a      : int  25 26 28 28 28 27 26 26 25 26 ...
## $ tx4mod3a      : int  24 24 25 25 25 25 24 24 24 24 ...
## $ tx5mod3a      : int  27 26 26 26 26 25 26 26 25 26 ...
## $ tx6mod3a      : int  25 27 28 28 28 27 27 25 27 29 ...
## $ Bioclivs      : Factor w/ 4 levels "1","2","3","4": 1 1 1 1 1 1 1 1 1 1 ...
## $ Climavs       : Factor w/ 9 levels "1","2","3","4",...: 1 1 1 1 1 1 1 3 1 ...
## $ Cobervs       : Factor w/ 6 levels "2","3","4","5",...: 2 2 2 2 2 2 2 2 2 1 ...
## [list output truncated]
```

```
# Convertimos las columnas de covariables categoricas a dummy,
# el resultado es una matrix:
```

```
dat_Bioclivs_du <- model.matrix(~Bioclivs -1, data = dat)
dat_Climavs_du <- model.matrix(~Climavs -1, data = dat)
dat_Cobervs_du <- model.matrix(~Cobervs -1, data = dat)
dat_Pisosvs_du <- model.matrix(~Pisosvs -1, data = dat)
dat_Suelosvs_du <- model.matrix(~Suelosvs -1, data = dat)

dat_Bioclivs_du <- as.data.frame(dat_Bioclivs_du)
dat_Climavs_du <- as.data.frame(dat_Climavs_du)
dat_Cobervs_du <- as.data.frame(dat_Cobervs_du)
dat_Pisosvs_du <- as.data.frame(dat_Pisosvs_du)
dat_Suelosvs_du <- as.data.frame(dat_Suelosvs_du)

dat <- cbind(dat, dat_Bioclivs_du, dat_Climavs_du, dat_Cobervs_du, dat_Pisosvs_du, dat_Suelosvs_du)

# Observamos los nombres de los campos o columnas.

names(dat)
```

```
## [1] "ID1"          "ID"
## [3] "LATITUDE"     "LONGITUDE"
```

##	[5]	"OCSKGM30"	"DEM"
##	[7]	"Analytical"	"Slope"
##	[9]	"Aspect"	"Crosssecti"
##	[11]	"Longitudin"	"Covergence"
##	[13]	"Closeddepr"	"Flowaccumu"
##	[15]	"Topographi"	"LSFactor"
##	[17]	"Channelnet"	"VerticalDistanceToChannelNetwork"
##	[19]	"ValleyDepth"	"RelativeSlopePosition"
##	[21]	"DEMSRE3a"	"etmnts3a"
##	[23]	"evmmod3a"	"evsmod3a"
##	[25]	"g01igb3a"	"g02esa3a"
##	[27]	"g02igb3a"	"g03esa3a"
##	[29]	"g04esa3a"	"g04igb3a"
##	[31]	"g05esa3a"	"g06esa3a"
##	[33]	"g10igb3a"	"g11esa3a"
##	[35]	"g11igb3a"	"g12igb3a"
##	[37]	"g13esa3a"	"g14esa3a"
##	[39]	"g18esa3a"	"gacgem3a"
##	[41]	"gachws3a"	"galhws3a"
##	[43]	"ganhws3a"	"garhws3a"
##	[45]	"gcmhws3a"	"geaisg3a"
##	[47]	"gflhws3a"	"gglhws3a"
##	[49]	"glcesa3a"	"glcjrc3a"
##	[51]	"glphws3a"	"glvhws3a"
##	[53]	"glwwf3a"	"gphhws3a"
##	[55]	"gplhws3a"	"grghws3a"
##	[57]	"gumhws3a"	"gvrhws3a"
##	[59]	"inmsre3a"	"inssre3a"
##	[61]	"l02igb3a"	"l04igb3a"
##	[63]	"l05igb3a"	"l06igb3a"
##	[65]	"l07igb3a"	"l08igb3a"
##	[67]	"l09igb3a"	"l10igb3a"
##	[69]	"l11igb3a"	"l12igb3a"
##	[71]	"l13igb3a"	"l14igb3a"
##	[73]	"l3pobi3b"	"lammod3a"
##	[75]	"lasmod3a"	"opisre3a"
##	[77]	"px1wcl3a"	"px2wcl3a"
##	[79]	"px3wcl3a"	"px4wcl3a"
##	[81]	"slpsrt3a"	"tdhmod3a"
##	[83]	"tdlmod3a"	"tdmmod3a"
##	[85]	"tdsmod3a"	"tnhmod3a"
##	[87]	"tnlmod3a"	"tnmmod3a"
##	[89]	"tnsmod3a"	"twisre3a"
##	[91]	"tx1mod3a"	"tx2mod3a"
##	[93]	"tx3mod3a"	"tx4mod3a"
##	[95]	"tx5mod3a"	"tx6mod3a"
##	[97]	"Bioclivs"	"Climavs"
##	[99]	"Cobervs"	"Ecosivs"
##	[101]	"Geolovs"	"Geomovs"
##	[103]	"Pisosvs"	"Suelosvs"
##	[105]	"Bioclivs1"	"Bioclivs2"
##	[107]	"Bioclivs3"	"Bioclivs4"
##	[109]	"Climavs1"	"Climavs2"
##	[111]	"Climavs3"	"Climavs4"

```
## [113] "Climavs5"          "Climavs6"
## [115] "Climavs7"          "Climavs8"
## [117] "Climavs9"          "Cobervs2"
## [119] "Cobervs3"          "Cobervs4"
## [121] "Cobervs5"          "Cobervs6"
## [123] "Cobervs7"          "Pisosvs1"
## [125] "Pisosvs2"          "Pisosvs3"
## [127] "Pisosvs4"          "Pisosvs7"
## [129] "Pisosvs9"          "Suelosvs1"
## [131] "Suelosvs2"         "Suelosvs3"
## [133] "Suelosvs4"         "Suelosvs5"
## [135] "Suelosvs6"         "Suelosvs7"
## [137] "Suelosvs8"         "Suelosvs9"
## [139] "Suelosvs10"        "Suelosvs11"
```

*# Vemos un resumen de los datos de carbono organico de los perfiles de suelos en kg/m2.*

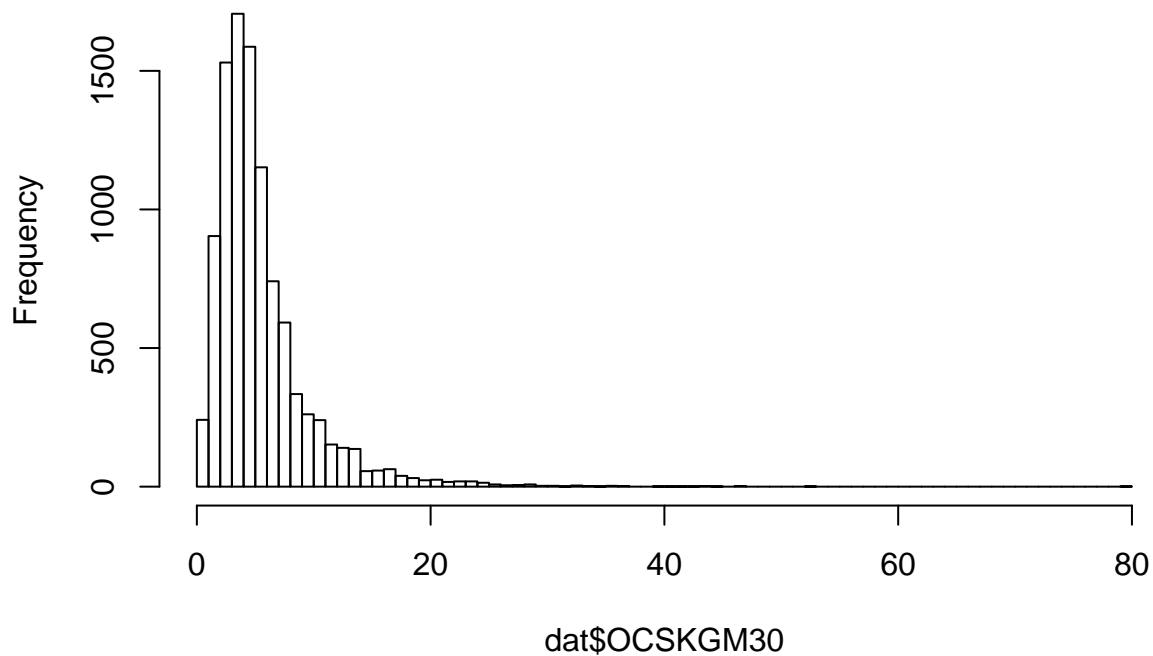
```
summary(dat$OCSKGM30)
```

```
##      Min.   1st Qu.   Median     Mean  3rd Qu.     Max.
## 0.02302  2.89453  4.39886  5.48640  6.63229 79.58376
```

*# Diseñamos un histogramas de los datos de carbono organico de los perfiles de suelos.*

```
hist(dat$OCSKGM30, breaks = 100)
```

## Histogram of dat\$OCSKGM30



*# Modificamos valores atipicos.*

```
dat$OCSKGM30[dat$OCSKGM30 > 45] <- 45
```

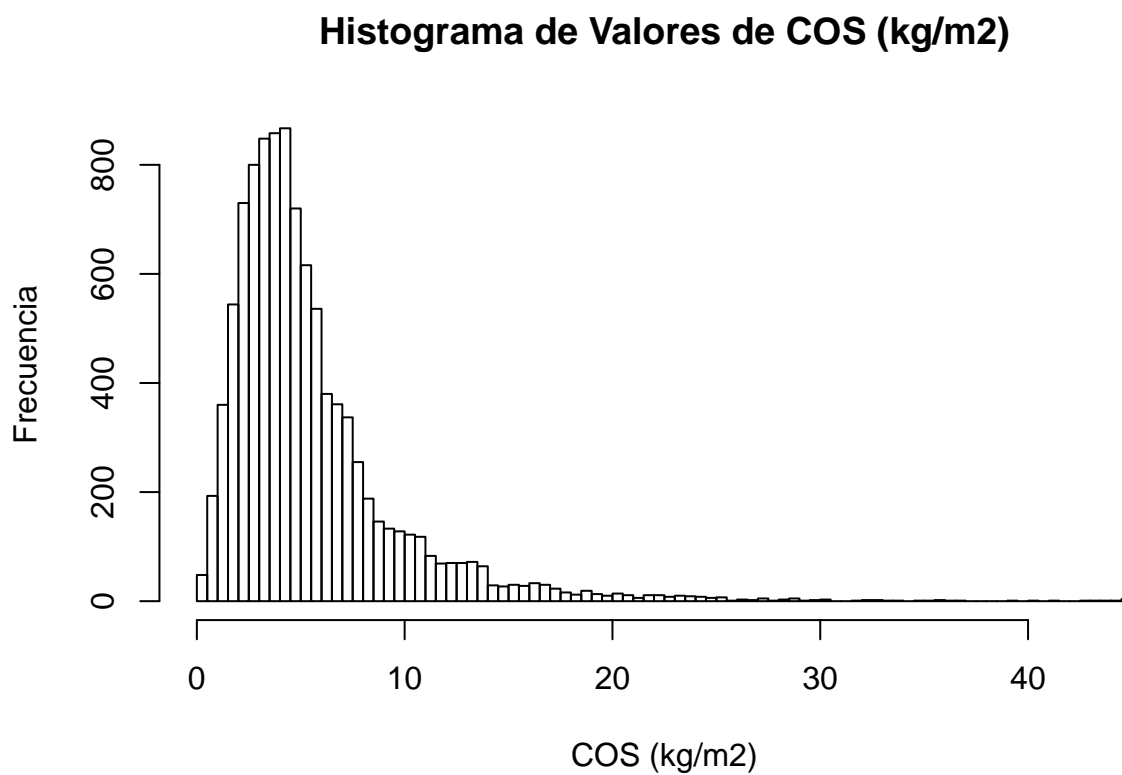
```
# Vemos un resumen de los datos de carbono organico de los perfiles de suelos en kg/m2.
```

```
summary(dat$OCSKGM30)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.02302  2.89453  4.39886  5.48203  6.63229 45.00000
```

```
# Disenamos un histogramas de los datos de carbono organico de los perfiles de suelos.
```

```
hist(dat$OCSKGM30, breaks = 100, main = "Histograma de Valores de COS (kg/m2)", ylab = 'Frecuencia', xlab = 'COS (kg/m2)', sub='Histograma sobre datos de COS de perfiles de suelos.' )
```



Histograma sobre datos de COS de perfiles de suelos.

```
# Removemos valores atipicos, segun Bonferroni.
```

```
dat <- dat[-c(4496, 2510, 2220, 6999, 9201, 8716, 2214, 2031, 3002, 3869),]
```

```
# Vemos un resumen de los datos de carbono organico de los perfiles de suelos en kg/m2.
```

```
summary(dat$OCSKGM30)
```

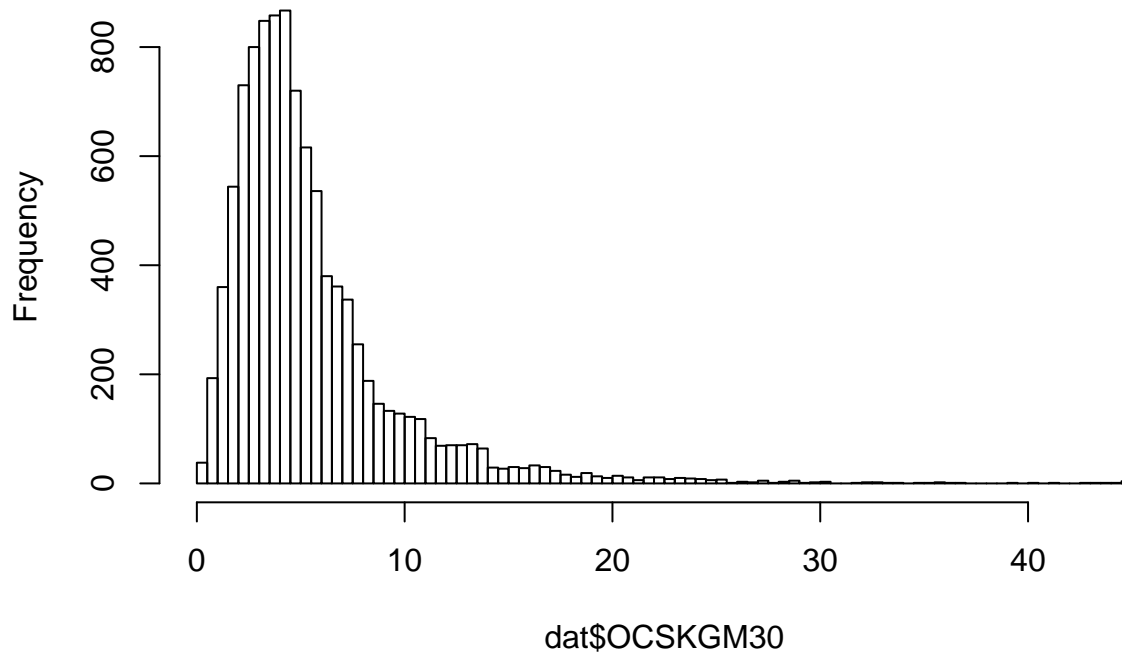
```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.1655  2.9013  4.3989  5.4873  6.6323 45.0000
```

```
# Disenamos un histogramas de los datos de carbono organico de los perfiles de suelos.
```

```
hist(dat$OCSKGM30, breaks = 100)
```



## Histogram of dat\$OCSKGM30



*# Vemos la estructura de los datos.*

```
str(dat)
```

```
## 'data.frame':   10127 obs. of  140 variables:
## $ ID1          : int  11338 39 837 10089 10099 10291 10535 11341 13 31 ...
## $ ID           : Factor w/ 10137 levels "CG1-P003_-2.23_-79.5",...: 9715 24 706 8
## $ LATITUDE     : num  1.32 1.15 1.28 1.28 1.28 1.19 1.15 1.15 1.06 1.12 ...
## $ LONGITUDE    : num  -78.7 -78.7 -78.7 -78.7 -78.7 ...
## $ OCSKGM30     : num  1.97 4.58 8.21 7.84 3.74 ...
## $ DEM          : num  85.1 43 98.8 98.8 98.8 ...
## $ Analytical   : num  0.797 1.363 1.03 1.03 1.03 ...
## $ Slope        : num  1.57 1.57 1.57 1.57 1.57 ...
## $ Aspect       : num  5.65 0.49 4.74 4.74 4.74 ...
## $ Crosssecti   : num  25498 -20022 19172 19172 19172 ...
## $ Longitudin   : num  17951 1892 -14454 -14454 -14454 ...
## $ Coverage     : num  3.06 -15.24 4.34 4.34 4.34 ...
## $ Closeddepr   : num  -3.70e-07 -1.54e-07 6.65e-07 6.65e-07 6.65e-07 ...
## $ Flowaccumu   : num  0.000298 0.006458 0.000138 0.000138 0.000138 ...
## $ Topographi   : num  -10.74 -6.51 -11.63 -11.63 -11.63 ...
## $ LSFactor     : num  4.31 9.16 3.51 3.51 3.51 ...
## $ Channelnet   : num  56 43 58.7 58.7 58.7 ...
## $ VerticalDistanceToChannelNetwork: num  29.1 0 40.1 40.1 40.1 ...
## $ ValleyDepth  : num  474 600 386 386 386 ...
## $ RelativeSlopePosition : num  0.0578 0 0.0941 0.0941 0.0941 ...
```

```

## $ DEMSRE3a      : int  87 42 100 100 100 34 42 49 24 16 ...
## $ etmnts3a      : int 11739 10094 12185 12185 12185 9521 10094 8648 14863 9390 .
## $ evmmmod3a     : int  5672 5449 5741 5741 5741 4714 5449 4876 5254 5740 ...
## $ evsmod3a      : int  1131 947 1051 1051 1051 1038 947 1312 1140 1078 ...
## $ g01igb3a      : int   9 14 10 10 10 2 14 2 14 2 ...
## $ g02esa3a      : int   0 0 0 0 0 50 0 0 0 0 ...
## $ g02igb3a      : int   9 14 10 10 10 2 14 2 14 2 ...
## $ g03esa3a      : int  75 0 0 0 0 50 0 0 0 0 ...
## $ g04esa3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ g04igb3a      : int   9 14 2 2 2 14 14 2 14 2 ...
## $ g05esa3a      : int  25 0 100 100 100 0 0 100 0 100 ...
## $ g06esa3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ g10igb3a      : int  14 14 14 14 14 14 14 2 14 2 ...
## $ g11esa3a      : int   0 100 0 0 0 0 100 0 0 0 ...
## $ g11igb3a      : int   2 2 14 14 14 14 2 2 14 2 ...
## $ g12igb3a      : int   2 2 14 14 14 2 2 2 14 2 ...
## $ g13esa3a      : int   0 0 0 0 0 0 0 0 100 0 ...
## $ g14esa3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ g18esa3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ gacgem3a      : int  544 363 540 540 540 262 363 192 69 157 ...
## $ gachws3a      : int  30 30 30 30 30 30 30 30 0 30 ...
## $ galhws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ ganhws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ garhws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ gcmhws3a      : int  40 40 40 40 40 40 40 40 25 40 ...
## $ geaisg3a      : int  72 80 80 80 80 80 80 80 80 72 ...
## $ gflhws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ gglhws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ glcesa3a      : int  20 110 40 40 40 14 110 40 130 40 ...
## $ glcjrc3a      : int  17 17 16 16 16 16 17 1 14 17 ...
## $ glphws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ glvhws3a      : int  30 30 30 30 30 30 30 30 75 30 ...
## $ glwwwf3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ gphhws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ gplhws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ grghws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ gumhws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ gvrhws3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ inmsre3a      : int  33 33 34 34 34 34 33 34 34 33 ...
## $ inssre3a      : num 20.9 20.8 20.7 20.7 20.7 ...
## $ l02igb3a      : int  20 20 20 20 20 40 20 100 0 100 ...
## $ l04igb3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ l05igb3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ l06igb3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ l07igb3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ l08igb3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ l09igb3a      : int  60 0 0 0 0 0 0 0 0 0 ...
## $ l10igb3a      : int   0 0 40 40 40 0 0 0 0 0 ...
## $ l11igb3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ l12igb3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ l13igb3a      : int   0 0 0 0 0 0 0 0 0 0 ...
## $ l14igb3a      : int  20 80 40 40 40 60 80 0 100 0 ...
## $ l3pobi3b      : int   7 7 7 7 7 7 7 7 7 7 ...
## $ lammod3a      : int  14 9 14 14 14 18 9 16 28 13 ...

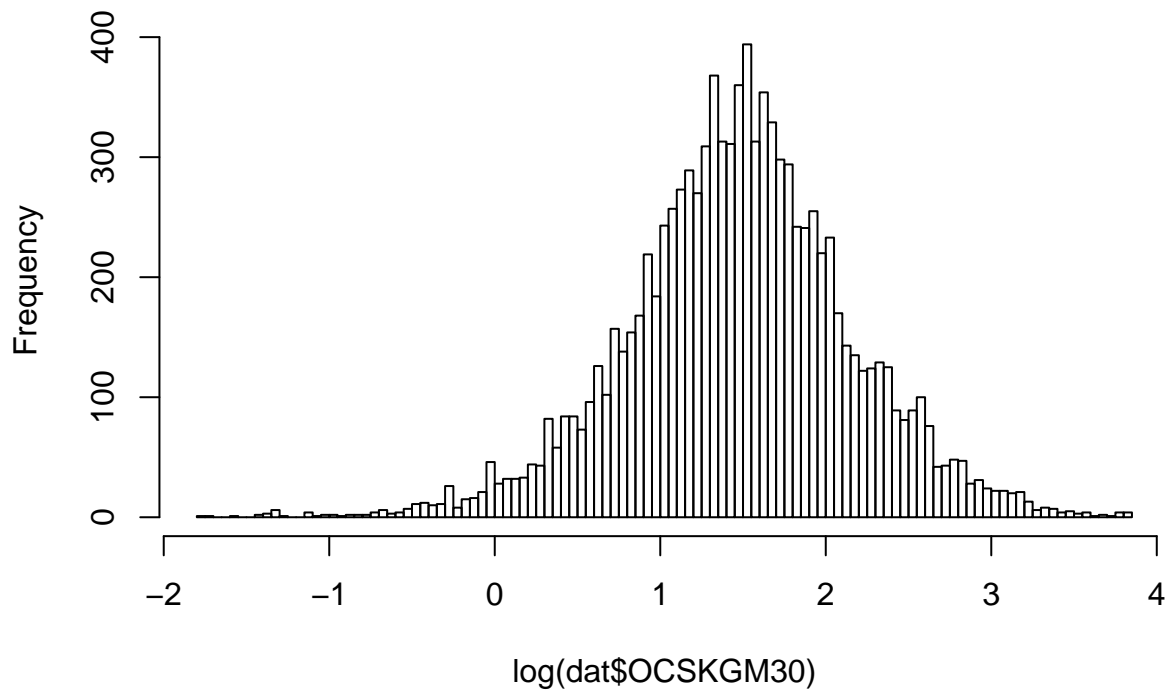
```

```
## $ lasmod3a      : int  15 7 11 11 11 22 7 19 24 14 ...
## $ opisre3a      : int 1569 1560 1570 1570 1570 1564 1560 1569 1567 1563 ...
## $ px1wcl3a      : int  191 171 192 192 192 169 171 171 151 165 ...
## $ px2wcl3a      : int  301 264 299 299 299 276 264 276 243 264 ...
## $ px3wcl3a      : int  300 259 294 294 294 262 259 257 186 248 ...
## $ px4wcl3a      : int  153 149 156 156 156 142 149 144 96 143 ...
## $ slpsrt3a      : int   2 2 2 2 2 4 2 1 1 1 ...
## $ tdhmod3a      : int   29 28 29 29 29 28 28 29 32 30 ...
## $ tdlmod3a      : int   21 21 23 23 23 23 21 22 16 21 ...
## $ tdmmod3a      : int   25 26 27 27 27 26 26 26 23 25 ...
## $ tdsmod3a      : int   2 2 2 2 2 2 2 2 4 2 ...
## $ tnhmod3a      : int   21 22 20 20 20 22 22 22 22 22 ...
## $ tnlmod3a      : int   10 19 11 11 11 15 19 19 15 13 ...
## $ tnmmmod3a     : int   17 20 16 16 16 18 20 21 20 18 ...
## $ tnsmod3a      : int    4 1 3 3 3 2 1 1 2 3 ...
## $ twisre3a      : int  118 121 120 120 120 121 121 122 121 122 ...
## $ tx1mod3a      : int   24 24 25 25 25 24 24 25 23 25 ...
## $ tx2mod3a      : int   27 27 29 29 29 27 27 27 25 27 ...
## $ tx3mod3a      : int   25 26 28 28 28 27 26 26 25 26 ...
## $ tx4mod3a      : int   24 24 25 25 25 25 24 24 24 24 ...
## $ tx5mod3a      : int   27 26 26 26 26 25 26 26 25 26 ...
## $ tx6mod3a      : int   25 27 28 28 28 27 27 25 27 29 ...
## $ Bioclivs      : Factor w/ 4 levels "1","2","3","4": 1 1 1 1 1 1 1 1 1 1 ...
## $ Climavs       : Factor w/ 9 levels "1","2","3","4",...: 1 1 1 1 1 1 1 1 3 1 ...
## $ Cobervs       : Factor w/ 6 levels "2","3","4","5",...: 2 2 2 2 2 2 2 2 2 1 ...
## [list output truncated]
```

*# Transformamos a log y diseñamos un histogramas de los datos de COS de los perfiles de suelos.*

```
hist(log(dat$OCSKGM30), breaks=100)
```

## Histogram of log(dat\$OCSKGM30)



```
## Recreamos el objeto con la ubicacion de los puntos
```

```
dat_sp <- dat
coordinates(dat_sp) <- ~ LONGITUDE + LATITUDE
```

```
### Analisis de correlacion
```

```
names(dat_sp@data)
```

```
## [1] "ID1"
## [3] "OCSKGM30"
## [5] "Analytical"
## [7] "Aspect"
## [9] "Longitudin"
## [11] "Closeddepr"
## [13] "Topographi"
## [15] "Channelnet"
## [17] "ValleyDepth"
## [19] "DEMSRE3a"
## [21] "evmmod3a"
## [23] "g01igb3a"
## [25] "g02igb3a"
## [27] "g04esa3a"
## [29] "g05esa3a"
## [31] "g10igb3a"
## [33] "g11igb3a"

## [1] "ID"
## [3] "DEM"
## [5] "Slope"
## [7] "Crosssecti"
## [9] "Covergence"
## [11] "Flowaccumu"
## [13] "LSFactor"
## [15] "VerticalDistanceToChannelNetwork"
## [17] "RelativeSlopePosition"
## [19] "etmnts3a"
## [21] "evsmod3a"
## [23] "g02esa3a"
## [25] "g03esa3a"
## [27] "g04igb3a"
## [29] "g06esa3a"
## [31] "g11esa3a"
## [33] "g12igb3a"
```

## [35]	"g13esa3a"	"g14esa3a"
## [37]	"g18esa3a"	"gacgem3a"
## [39]	"gachws3a"	"galhws3a"
## [41]	"ganhws3a"	"garhws3a"
## [43]	"gcmhws3a"	"geaisg3a"
## [45]	"gflhws3a"	"gglhws3a"
## [47]	"glcesa3a"	"glcjrc3a"
## [49]	"glphws3a"	"glvhws3a"
## [51]	"glwwf3a"	"gphhws3a"
## [53]	"gplhws3a"	"grghws3a"
## [55]	"gumhws3a"	"gvrhws3a"
## [57]	"inmsre3a"	"inssre3a"
## [59]	"l02igb3a"	"l04igb3a"
## [61]	"l05igb3a"	"l06igb3a"
## [63]	"l07igb3a"	"l08igb3a"
## [65]	"l09igb3a"	"l10igb3a"
## [67]	"l11igb3a"	"l12igb3a"
## [69]	"l13igb3a"	"l14igb3a"
## [71]	"l3pobi3b"	"lammod3a"
## [73]	"lasmod3a"	"opisre3a"
## [75]	"px1wcl3a"	"px2wcl3a"
## [77]	"px3wcl3a"	"px4wcl3a"
## [79]	"slpsrt3a"	"tdhmod3a"
## [81]	"tdlmod3a"	"tdmmod3a"
## [83]	"tdsmod3a"	"tnhmod3a"
## [85]	"tnlmod3a"	"tnmmod3a"
## [87]	"tnsmod3a"	"twisre3a"
## [89]	"tx1mod3a"	"tx2mod3a"
## [91]	"tx3mod3a"	"tx4mod3a"
## [93]	"tx5mod3a"	"tx6mod3a"
## [95]	"Bioclivs"	"Climavs"
## [97]	"Cobervs"	"Ecosivs"
## [99]	"Geolovs"	"Geomovs"
## [101]	"Pisosvs"	"Suelosvs"
## [103]	"Bioclivs1"	"Bioclivs2"
## [105]	"Bioclivs3"	"Bioclivs4"
## [107]	"Climavs1"	"Climavs2"
## [109]	"Climavs3"	"Climavs4"
## [111]	"Climavs5"	"Climavs6"
## [113]	"Climavs7"	"Climavs8"
## [115]	"Climavs9"	"Cobervs2"
## [117]	"Cobervs3"	"Cobervs4"
## [119]	"Cobervs5"	"Cobervs6"
## [121]	"Cobervs7"	"Pisosvs1"
## [123]	"Pisosvs2"	"Pisosvs3"
## [125]	"Pisosvs4"	"Pisosvs7"
## [127]	"Pisosvs9"	"Suelosvs1"
## [129]	"Suelosvs2"	"Suelosvs3"
## [131]	"Suelosvs4"	"Suelosvs5"
## [133]	"Suelosvs6"	"Suelosvs7"
## [135]	"Suelosvs8"	"Suelosvs9"
## [137]	"Suelosvs10"	"Suelosvs11"

```
COR <- cor(as.matrix(dat_sp@data[,3]), as.matrix(dat_sp@data[, -c(1:3, 95, 96, 97, 101, 102)]))
COR
```

```
##          DEM Analytical      Slope      Aspect Crosssecti Longitudin
## [1,] 0.208929 -0.01369506 0.05634872 0.02661526 0.0944178 0.147155
##      Covergence Closeddepr Flowaccumu Topographi LSFactor Channelnet
## [1,] 0.09215387 -0.06614235 -0.03510654 -0.1537406 -0.0678515 0.08534772
##      VerticalDistanceToChannelNetwork ValleyDepth RelativeSlopePosition
## [1,]                                0.3741556 -0.1803803                0.355123
##      DEMSRE3a etmnts3a evmmod3a evsmod3a g01igb3a g02esa3a
## [1,] 0.2105132 0.03984657 0.1475343 -0.05230708 -0.07836442 0.03834311
##      g02igb3a g03esa3a g04esa3a g04igb3a g05esa3a g06esa3a
## [1,] -0.07736351 0.02763012 -0.03925473 -0.1048521 0.08657251 0.05915097
##      g10igb3a g11esa3a g11igb3a g12igb3a g13esa3a g14esa3a
## [1,] -0.103391 -0.06309548 -0.1066508 -0.1067288 -0.004986846 -0.1429939
##      g18esa3a gacgem3a gachws3a galhws3a ganhws3a garhws3a
## [1,] -0.002570222 0.1095029 -0.09087424 0.05191342 0.2407074 -0.0926822
##      gcmhws3a geaisg3a gflhws3a gglhws3a glcesa3a
## [1,] -0.03091354 -0.1154044 -0.008979239 -0.09756214 -0.1080372
##      glcjrc3a glphws3a glvhws3a glwwwf3a gphhws3a
## [1,] 0.001386801 -0.0885956 -0.05393139 -0.02290974 -0.06567279
##      gplhws3a grghws3a gumhws3a gvrhws3a inmsre3a inssre3a
## [1,] -0.07246678 -0.1632326 0.1569082 -0.07845569 0.1837037 0.1925178
##      l02igb3a l04igb3a l05igb3a l06igb3a l07igb3a l08igb3a
## [1,] 0.08800435 -0.01624081 0.07691153 -0.0447614 -0.09222192 0.03296024
##      l09igb3a l10igb3a l11igb3a l12igb3a l13igb3a l14igb3a
## [1,] -0.07807656 0.1140745 -0.03794976 -0.06704101 -0.07830182 -0.08818114
##      l3pobi3b lammod3a lasmod3a opisre3a px1wcl3a px2wcl3a
## [1,] -0.1309477 0.04271475 0.1048257 -0.01459334 0.1067635 0.07436161
##      px3wcl3a px4wcl3a slpsrt3a tdhmod3a tdlmod3a tdmmod3a
## [1,] 0.07609933 0.07338385 0.1487879 -0.3683897 -0.2501556 -0.3766725
##      tdsmod3a tnhmod3a tnlmod3a tnmmmod3a tnsmod3a twisre3a
## [1,] -0.01636793 -0.2272885 -0.1775566 -0.2068962 0.06277568 -0.2425156
##      tx1mod3a tx2mod3a tx3mod3a tx4mod3a tx5mod3a tx6mod3a
## [1,] -0.3867905 -0.4121598 -0.362301 -0.3476275 -0.3676105 -0.3586784
##      Ecosivs Geolovs Geomovs Bioclivs1 Bioclivs2 Bioclivs3
## [1,] -0.003836575 -0.04858467 -0.02815205 0.1822291 -0.02969367 -0.1848079
##      Bioclivs4 Climavs1 Climavs2 Climavs3 Climavs4 Climavs5
## [1,] -0.02582213 0.1267681 -0.08554551 -0.08056989 -0.09176811 -0.1248557
##      Climavs6 Climavs7 Climavs8 Climavs9 Cobervs2 Cobervs3
## [1,] 0.161981 0.06076828 -0.08873329 0.05683279 0.0343383 -0.03353496
##      Cobervs4 Cobervs5 Cobervs6 Cobervs7 Pisosvs1 Pisosvs2
## [1,] 0.03273343 -0.003925262 -0.03322118 -0.04611703 -0.01916704 0.1556606
##      Pisosvs3 Pisosvs4 Pisosvs7 Pisosvs9 Suelosvs1 Suelosvs2
## [1,] 0.178582 0.04207305 0.01095232 -0.1793011 -0.04141558 0.4049269
##      Suelosvs3 Suelosvs4 Suelosvs5 Suelosvs6 Suelosvs7 Suelosvs8
## [1,] -0.0759617 -0.1284575 0.01885043 -0.1214687 -0.06770708 -0.02046923
##      Suelosvs9 Suelosvs10 Suelosvs11
## [1,] 0.002592527 -0.02810099 -0.07658166
```

```
x <- subset(melt(COR), value != 1 | value != NA)
x <- x[with(x, order(-abs(x$value))),]
#as.character(x$X2[1:10])
```

```
# Vemos las primeras 10 covariables de mayor correlacion con el COS.
```

```
x[1:10,]
```

```
##      X1                X2      value
## 87   1                tx2mod3a -0.4121598
## 121  1                Suelosvs2  0.4049269
## 86   1                tx1mod3a -0.3867905
## 79   1                tdmmod3a -0.3766725
## 13   1 VerticalDistanceToChannelNetwork 0.3741556
## 77   1                tdhmod3a -0.3683897
## 90   1                tx5mod3a -0.3676105
## 88   1                tx3mod3a -0.3623010
## 91   1                tx6mod3a -0.3586784
## 15   1 RelativeSlopePosition 0.3551230
```

```
idx <- as.character(x$X2[1:25])
idx
```

```
## [1] "tx2mod3a"                "Suelosvs2"
## [3] "tx1mod3a"                "tdmmod3a"
## [5] "VerticalDistanceToChannelNetwork" "tdhmod3a"
## [7] "tx5mod3a"                "tx3mod3a"
## [9] "tx6mod3a"                "RelativeSlopePosition"
## [11] "tx4mod3a"                "tdlmod3a"
## [13] "twisre3a"                "ganhws3a"
## [15] "tnhmod3a"                "DEMSRE3a"
## [17] "DEM"                     "tnmmod3a"
## [19] "inssre3a"                "Bioclivs3"
## [21] "inmsre3a"                "Bioclivs1"
## [23] "ValleyDepth"             "Pisosvs9"
## [25] "Pisosvs3"
```

```
# Creamos el archivo de datos para emplear en la regresion lineal multiple.
```

```
dat2 <- dat[c('OCSKGM30', idx, 'LATITUDE', 'LONGITUDE')]
```

```
# Observamos los nombres de los campos o columnas.
```

```
names(dat2)
```

```
## [1] "OCSKGM30"                "tx2mod3a"
## [3] "Suelosvs2"               "tx1mod3a"
## [5] "tdmmod3a"                "VerticalDistanceToChannelNetwork"
## [7] "tdhmod3a"                "tx5mod3a"
## [9] "tx3mod3a"                "tx6mod3a"
## [11] "RelativeSlopePosition"   "tx4mod3a"
## [13] "tdlmod3a"                "twisre3a"
## [15] "ganhws3a"                "tnhmod3a"
## [17] "DEMSRE3a"                "DEM"
## [19] "tnmmod3a"                "inssre3a"
## [21] "Bioclivs3"               "inmsre3a"
## [23] "Bioclivs1"               "ValleyDepth"
## [25] "Pisosvs9"                "Pisosvs3"
## [27] "LATITUDE"                "LONGITUDE"
```

```

dat2[dat$OCSKGM30 == 0, 1] <- NA

## Modelo de Regresion lineal multiple.

modelo.MLR <- lm(log(OCSKGM30) ~ . -LATITUDE-LONGITUDE, data = dat2)

# Vemos un resumen de los resultados del modelo de regresion lineal multiple.

summary(modelo.MLR)

##
## Call:
## lm(formula = log(OCSKGM30) ~ . - LATITUDE - LONGITUDE, data = dat2)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.86687 -0.31757  0.04076  0.35801  2.38386
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      3.760e+00  3.543e-01  10.611 < 2e-16
## tx2mod3a        -3.250e-02  4.469e-03  -7.271 3.82e-13
## Suelosvs2       3.553e-01  1.721e-02  20.643 < 2e-16
## tx1mod3a        -2.515e-04  3.466e-03  -0.073 0.94216
## tdmmod3a        -2.309e-02  7.292e-03  -3.167 0.00155
## VerticalDistanceToChannelNetwork 2.277e-04  3.787e-05   6.012 1.89e-09
## tdhmod3a        -1.944e-02  3.099e-03  -6.272 3.71e-10
## tx5mod3a        -1.138e-03  3.787e-03  -0.301 0.76377
## tx3mod3a        -9.507e-03  4.717e-03  -2.016 0.04386
## tx6mod3a        2.161e-02  3.365e-03   6.423 1.40e-10
## RelativeSlopePosition      3.072e-01  7.500e-02   4.096 4.24e-05
## tx4mod3a        -7.014e-03  4.293e-03  -1.634 0.10229
## tdlmod3a        1.114e-02  2.486e-03   4.482 7.46e-06
## twisre3a        -7.165e-04  5.298e-04  -1.352 0.17629
## ganhws3a        1.279e-03  1.931e-04   6.624 3.68e-11
## tnmod3a         -5.563e-02  6.609e-03  -8.417 < 2e-16
## DEMSRE3a        5.567e-04  2.150e-04   2.589 0.00964
## DEM            -1.047e-03  2.177e-04  -4.809 1.54e-06
## tnmmmod3a       8.216e-03  5.067e-03   1.622 0.10492
## inssre3a        1.914e-02  1.252e-02   1.529 0.12631
## Bioclives3     -9.057e-03  1.852e-02  -0.489 0.62474
## inmsre3a       5.214e-03  3.352e-03   1.556 0.11985
## Bioclives1     4.538e-02  1.697e-02   2.673 0.00752
## ValleyDepth    1.651e-05  1.609e-05   1.026 0.30490
## Pisosvs9       -1.452e-01  2.235e-02  -6.495 8.70e-11
## Pisosvs3       1.230e-01  4.035e-02   3.048 0.00231
##
## (Intercept)      ***
## tx2mod3a         ***
## Suelosvs2        ***
## tx1mod3a         **
## tdmmod3a         **
## VerticalDistanceToChannelNetwork ***
## tdhmod3a         ***

```



```
## tx5mod3a
## tx3mod3a          *
## tx6mod3a          ***
## RelativeSlopePosition ***
## tx4mod3a
## tdlmod3a          ***
## twisre3a
## ganhws3a          ***
## tnhmod3a          ***
## DEMSRE3a          **
## DEM               ***
## tnmmod3a
## inssre3a
## Bioclivs3
## inmsre3a
## Bioclivs1         **
## ValleyDepth
## Pisosvs9          ***
## Pisosvs3          **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5705 on 10101 degrees of freedom
## Multiple R-squared:  0.298, Adjusted R-squared:  0.2963
## F-statistic: 171.5 on 25 and 10101 DF, p-value: < 2.2e-16
```

```
# Analisis de varianza.
```

```
anova(modelo.MLR)
```

```
## Analysis of Variance Table
##
## Response: log(OCSKGM30)
##
```

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
## tx2mod3a	1	745.9	745.86	2291.3286	< 2.2e-16
## Suelosvs2	1	291.8	291.77	896.3471	< 2.2e-16
## tx1mod3a	1	1.6	1.57	4.8342	0.0279235
## tdmmod3a	1	4.7	4.68	14.3817	0.0001501
## VerticalDistanceToChannelNetwork	1	23.5	23.49	72.1620	< 2.2e-16
## tdhmod3a	1	104.0	104.02	319.5491	< 2.2e-16
## tx5mod3a	1	17.4	17.39	53.4108	2.911e-13
## tx3mod3a	1	0.1	0.15	0.4536	0.5006617
## tx6mod3a	1	7.3	7.26	22.3150	2.345e-06
## RelativeSlopePosition	1	22.5	22.50	69.1320	< 2.2e-16
## tx4mod3a	1	0.1	0.13	0.4077	0.5231504
## tdlmod3a	1	41.8	41.77	128.3207	< 2.2e-16
## twisre3a	1	0.7	0.70	2.1359	0.1439195
## ganhws3a	1	8.7	8.70	26.7201	2.397e-07
## tnhmod3a	1	39.7	39.72	122.0136	< 2.2e-16
## DEMSRE3a	1	51.3	51.35	157.7358	< 2.2e-16
## DEM	1	6.5	6.52	20.0209	7.744e-06
## tnmmod3a	1	4.5	4.50	13.8329	0.0002009
## inssre3a	1	0.1	0.08	0.2444	0.6210258
## Bioclivs3	1	0.5	0.51	1.5600	0.2116923
## inmsre3a	1	0.8	0.85	2.6050	0.1065574

```

## Bioclivs1          1    3.5    3.52    10.8117 0.0010120
## ValleyDepth        1    2.8    2.85     8.7511 0.0031014
## Pisosvs9           1   12.9   12.91    39.6628 3.144e-10
## Pisosvs3           1    3.0    3.02     9.2925 0.0023069
## Residuals        10101 3288.0    0.33
##
## tx2mod3a          ***
## Suelosvs2         ***
## tx1mod3a          *
## tdmmod3a          ***
## VerticalDistanceToChannelNetwork ***
## tdhmod3a          ***
## tx5mod3a          ***
## tx3mod3a
## tx6mod3a          ***
## RelativeSlopePosition ***
## tx4mod3a
## tdlmod3a          ***
## twisre3a
## ganhws3a          ***
## tnhmod3a          ***
## DEMSRE3a          ***
## DEM               ***
## tnmmod3a          ***
## inssre3a
## Bioclivs3
## inmsre3a
## Bioclivs1         **
## ValleyDepth       **
## Pisosvs9          ***
## Pisosvs3          **
## Residuals
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## Hacemos seleccion de variables por stepwise

modelo.MLR.step <- step(modelo.MLR, direction="both")

## Start:  AIC=-11340.09
## log(OCSKGM30) ~ (tx2mod3a + Suelosvs2 + tx1mod3a + tdmmod3a +
##   VerticalDistanceToChannelNetwork + tdhmod3a + tx5mod3a +
##   tx3mod3a + tx6mod3a + RelativeSlopePosition + tx4mod3a +
##   tdlmod3a + twisre3a + ganhws3a + tnhmod3a + DEMSRE3a + DEM +
##   tnmmod3a + inssre3a + Bioclivs3 + inmsre3a + Bioclivs1 +
##   ValleyDepth + Pisosvs9 + Pisosvs3 + LATITUDE + LONGITUDE) -
##   LATITUDE - LONGITUDE
##
##
##           Df Sum of Sq    RSS    AIC
## - tx1mod3a      1      0.002 3288.0 -11342
## - tx5mod3a      1      0.029 3288.0 -11342
## - Bioclivs3      1      0.078 3288.1 -11342
## - ValleyDepth    1      0.343 3288.4 -11341
## - twisre3a      1      0.595 3288.6 -11340
## <none>                3288.0 -11340

```

```

## - inssre3a          1      0.761 3288.8 -11340
## - inmsre3a          1      0.788 3288.8 -11340
## - tnmmmod3a         1      0.856 3288.9 -11340
## - tx4mod3a          1      0.869 3288.9 -11339
## - tx3mod3a          1      1.323 3289.3 -11338
## - DEMSRE3a          1      2.182 3290.2 -11335
## - Bioclivs1         1      2.327 3290.3 -11335
## - Pisosvs3          1      3.025 3291.0 -11333
## - tdmmod3a          1      3.264 3291.3 -11332
## - RelativeSlopePosition 1      5.461 3293.5 -11325
## - tdlmod3a          1      6.540 3294.6 -11322
## - DEM               1      7.529 3295.5 -11319
## - VerticalDistanceToChannelNetwork 1 11.767 3299.8 -11306
## - tdhmod3a          1     12.805 3300.8 -11303
## - tx6mod3a          1     13.429 3301.4 -11301
## - Pisosvs9          1     13.731 3301.7 -11300
## - ganhws3a          1     14.282 3302.3 -11298
## - tx2mod3a          1     17.211 3305.2 -11289
## - tnhmod3a          1     23.060 3311.1 -11271
## - Suelosvs2         1    138.715 3426.7 -10924
##
## Step: AIC=-11342.09
## log(OCSKGM30) ~ tx2mod3a + Suelosvs2 + tdmmod3a + VerticalDistanceToChannelNetwork +
##      tdhmod3a + tx5mod3a + tx3mod3a + tx6mod3a + RelativeSlopePosition +
##      tx4mod3a + tdlmod3a + twisre3a + ganhws3a + tnhmod3a + DEMSRE3a +
##      DEM + tnmmmod3a + inssre3a + Bioclivs3 + inmsre3a + Bioclivs1 +
##      ValleyDepth + Pisosvs9 + Pisosvs3
##
##              Df Sum of Sq    RSS    AIC
## - tx5mod3a          1      0.031 3288.0 -11344
## - Bioclivs3          1      0.080 3288.1 -11344
## - ValleyDepth        1      0.341 3288.4 -11343
## - twisre3a           1      0.599 3288.6 -11342
## <none>                                3288.0 -11342
## - inssre3a          1      0.759 3288.8 -11342
## - inmsre3a          1      0.788 3288.8 -11342
## - tnmmmod3a         1      0.856 3288.9 -11342
## - tx4mod3a          1      0.869 3288.9 -11341
## + tx1mod3a          1      0.002 3288.0 -11340
## - tx3mod3a          1      1.325 3289.3 -11340
## - DEMSRE3a          1      2.181 3290.2 -11337
## - Bioclivs1         1      2.362 3290.4 -11337
## - Pisosvs3          1      3.023 3291.0 -11335
## - tdmmod3a          1      3.498 3291.5 -11333
## - RelativeSlopePosition 1      5.462 3293.5 -11327
## - tdlmod3a          1      6.557 3294.6 -11324
## - DEM               1      7.528 3295.5 -11321
## - VerticalDistanceToChannelNetwork 1 11.806 3299.8 -11308
## - tdhmod3a          1     12.805 3300.8 -11305
## - tx6mod3a          1     13.457 3301.5 -11303
## - Pisosvs9          1     13.803 3301.8 -11302
## - ganhws3a          1     14.300 3302.3 -11300
## - tx2mod3a          1     19.361 3307.4 -11285
## - tnhmod3a          1     23.060 3311.1 -11273

```

```

## - Suelosvs2                1    138.828 3426.8 -10925
##
## Step: AIC=-11343.99
## log(OCSKGM30) ~ tx2mod3a + Suelosvs2 + tdmmod3a + VerticalDistanceToChannelNetwork +
##     tdhmod3a + tx3mod3a + tx6mod3a + RelativeSlopePosition +
##     tx4mod3a + tdlmod3a + twisre3a + ganhws3a + tnhmod3a + DEMSRE3a +
##     DEM + tnmmod3a + inssre3a + Bioclivos3 + inmsre3a + Bioclivos1 +
##     ValleyDepth + Pisosvs9 + Pisosvs3
##
##
##              Df Sum of Sq    RSS    AIC
## - Bioclivos3      1      0.071 3288.1 -11346
## - ValleyDepth      1      0.331 3288.4 -11345
## - twisre3a         1      0.618 3288.7 -11344
## <none>                                3288.0 -11344
## - inssre3a         1      0.767 3288.8 -11344
## - inmsre3a         1      0.809 3288.9 -11344
## - tnmmod3a         1      0.833 3288.9 -11343
## - tx4mod3a         1      1.159 3289.2 -11342
## + tx5mod3a         1      0.031 3288.0 -11342
## + tx1mod3a         1      0.003 3288.0 -11342
## - tx3mod3a         1      1.387 3289.4 -11342
## - DEMSRE3a         1      2.170 3290.2 -11339
## - Bioclivos1       1      2.576 3290.6 -11338
## - Pisosvs3         1      3.058 3291.1 -11337
## - tdmmod3a         1      3.680 3291.7 -11335
## - RelativeSlopePosition 1      5.523 3293.6 -11329
## - tdlmod3a         1      6.636 3294.7 -11326
## - DEM              1      7.543 3295.6 -11323
## - VerticalDistanceToChannelNetwork 1     11.779 3299.8 -11310
## - tdhmod3a         1     12.799 3300.8 -11307
## - Pisosvs9         1     13.773 3301.8 -11304
## - ganhws3a         1     14.300 3302.3 -11302
## - tx6mod3a         1     14.535 3302.6 -11301
## - tx2mod3a         1     19.332 3307.4 -11287
## - tnhmod3a         1     23.311 3311.4 -11274
## - Suelosvs2        1    138.864 3426.9 -10927
##
## Step: AIC=-11345.77
## log(OCSKGM30) ~ tx2mod3a + Suelosvs2 + tdmmod3a + VerticalDistanceToChannelNetwork +
##     tdhmod3a + tx3mod3a + tx6mod3a + RelativeSlopePosition +
##     tx4mod3a + tdlmod3a + twisre3a + ganhws3a + tnhmod3a + DEMSRE3a +
##     DEM + tnmmod3a + inssre3a + inmsre3a + Bioclivos1 + ValleyDepth +
##     Pisosvs9 + Pisosvs3
##
##
##              Df Sum of Sq    RSS    AIC
## - ValleyDepth      1      0.314 3288.4 -11347
## - twisre3a         1      0.591 3288.7 -11346
## <none>                                3288.1 -11346
## - inssre3a         1      0.766 3288.9 -11345
## - inmsre3a         1      0.798 3288.9 -11345
## - tnmmod3a         1      0.862 3289.0 -11345
## - tx4mod3a         1      1.166 3289.3 -11344
## + Bioclivos3       1      0.071 3288.0 -11344
## + tx5mod3a         1      0.022 3288.1 -11344

```

```

## + tx1mod3a          1      0.005 3288.1 -11344
## - tx3mod3a          1      1.445 3289.6 -11343
## - DEMSRE3a          1      2.176 3290.3 -11341
## - Bioclivs1         1      2.736 3290.8 -11339
## - Pisosvs3          1      3.021 3291.1 -11338
## - tdmmod3a          1      4.067 3292.2 -11335
## - RelativeSlopePosition 1      5.473 3293.6 -11331
## - tdlmod3a          1      6.712 3294.8 -11327
## - DEM               1      7.524 3295.6 -11325
## - VerticalDistanceToChannelNetwork 1 11.776 3299.9 -11312
## - tdhmod3a          1     13.095 3301.2 -11308
## - Pisosvs9          1     14.035 3302.1 -11305
## - ganhws3a          1     14.681 3302.8 -11303
## - tx6mod3a          1     15.398 3303.5 -11300
## - tx2mod3a          1     19.275 3307.4 -11289
## - tnhmod3a          1     23.433 3311.5 -11276
## - Suelosvs2         1    138.963 3427.1 -10929
##
## Step: AIC=-11346.81
## log(OCSKGM30) ~ tx2mod3a + Suelosvs2 + tdmmod3a + VerticalDistanceToChannelNetwork +
##   tdhmod3a + tx3mod3a + tx6mod3a + RelativeSlopePosition +
##   tx4mod3a + tdlmod3a + twisre3a + ganhws3a + tnhmod3a + DEMSRE3a +
##   DEM + tnmmod3a + inssre3a + inmsre3a + Bioclivs1 + Pisosvs9 +
##   Pisosvs3
##
##              Df Sum of Sq    RSS    AIC
## <none>              3288.4 -11347
## - twisre3a          1      0.701 3289.1 -11347
## - inssre3a          1      0.705 3289.1 -11347
## - inmsre3a          1      0.779 3289.2 -11346
## - tnmmod3a          1      0.871 3289.3 -11346
## + ValleyDepth       1      0.314 3288.1 -11346
## - tx4mod3a          1      1.128 3289.6 -11345
## + Bioclivs3         1      0.054 3288.4 -11345
## + tx5mod3a          1      0.015 3288.4 -11345
## + tx1mod3a          1      0.002 3288.4 -11345
## - tx3mod3a          1      1.358 3289.8 -11345
## - DEMSRE3a          1      2.147 3290.6 -11342
## - Bioclivs1         1      2.685 3291.1 -11340
## - Pisosvs3          1      3.047 3291.5 -11339
## - tdmmod3a          1      3.962 3292.4 -11337
## - RelativeSlopePosition 1      6.259 3294.7 -11330
## - tdlmod3a          1      6.601 3295.0 -11328
## - DEM               1      7.396 3295.8 -11326
## - tdhmod3a          1     13.201 3301.6 -11308
## - VerticalDistanceToChannelNetwork 1 14.570 3303.0 -11304
## - ganhws3a          1     14.867 3303.3 -11303
## - tx6mod3a          1     15.104 3303.5 -11302
## - Pisosvs9          1     16.627 3305.1 -11298
## - tx2mod3a          1     19.004 3307.4 -11290
## - tnhmod3a          1     23.120 3311.5 -11278
## - Suelosvs2         1    138.882 3427.3 -10930

```

```
summary(modelo.MLR.step)
```

```
##
## Call:
## lm(formula = log(OCSKGM30) ~ tx2mod3a + Suelosvs2 + tdmmod3a +
##     VerticalDistanceToChannelNetwork + tdhmod3a + tx3mod3a +
##     tx6mod3a + RelativeSlopePosition + tx4mod3a + tdlmod3a +
##     twisre3a + ganhws3a + tnhmod3a + DEMSRE3a + DEM + tnmmmod3a +
##     inssre3a + inmsre3a + Bioclivs1 + Pisosvs9 + Pisosvs3, data = dat2)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.86564 -0.31856  0.04048  0.35757  2.38921
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      3.788e+00  3.528e-01  10.738 < 2e-16
## tx2mod3a        -3.216e-02  4.209e-03  -7.642 2.34e-14
## Suelosvs2        3.538e-01  1.713e-02  20.658 < 2e-16
## tdmmod3a        -2.387e-02  6.842e-03  -3.489 0.000487
## VerticalDistanceToChannelNetwork  2.390e-04  3.571e-05   6.691 2.33e-11
## tdhmod3a        -1.964e-02  3.083e-03  -6.369 1.98e-10
## tx3mod3a        -9.518e-03  4.660e-03  -2.043 0.041117
## tx6mod3a         2.099e-02  3.080e-03   6.813 1.01e-11
## RelativeSlopePosition  2.625e-01  5.985e-02   4.386 1.17e-05
## tx4mod3a        -7.375e-03  3.961e-03  -1.862 0.062662
## tdlmod3a         1.115e-02  2.475e-03   4.504 6.75e-06
## twisre3a        -7.684e-04  5.236e-04  -1.468 0.142222
## ganhws3a         1.296e-03  1.918e-04   6.759 1.47e-11
## tnhmod3a        -5.454e-02  6.471e-03  -8.429 < 2e-16
## DEMSRE3a         5.519e-04  2.149e-04   2.568 0.010229
## DEM            -1.036e-03  2.173e-04  -4.767 1.89e-06
## tnmmmod3a         8.242e-03  5.038e-03   1.636 0.101908
## inssre3a         1.836e-02  1.247e-02   1.472 0.141031
## inmsre3a         5.146e-03  3.326e-03   1.547 0.121895
## Bioclivs1        4.709e-02  1.639e-02   2.872 0.004084
## Pisosvs9        -1.519e-01  2.125e-02  -7.148 9.42e-13
## Pisosvs3         1.231e-01  4.024e-02   3.060 0.002221
##
## (Intercept)      ***
## tx2mod3a          ***
## Suelosvs2         ***
## tdmmod3a          ***
## VerticalDistanceToChannelNetwork ***
## tdhmod3a          ***
## tx3mod3a          *
## tx6mod3a          ***
## RelativeSlopePosition ***
## tx4mod3a          .
## tdlmod3a          ***
## twisre3a
## ganhws3a          ***
## tnhmod3a          ***
## DEMSRE3a          *
```

```
## DEM ***
## tnmmod3a
## inssre3a
## inmsre3a
## Bioclivs1 **
## Pisosvs9 ***
## Pisosvs3 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5705 on 10105 degrees of freedom
## Multiple R-squared:  0.2979, Adjusted R-squared:  0.2965
## F-statistic: 204.2 on 21 and 10105 DF,  p-value: < 2.2e-16
```

```
# Analisis de varianza.
```

```
anova(modelo.MLR.step)
```

```
## Analysis of Variance Table
```

```
##
```

```
## Response: log(OCSKGM30)
```

```
##
```

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
## tx2mod3a	1	745.9	745.86	2291.9449	< 2.2e-16
## Suelosvs2	1	291.8	291.77	896.5882	< 2.2e-16
## tdmmod3a	1	6.2	6.21	19.0806	1.266e-05
## VerticalDistanceToChannelNetwork	1	23.5	23.45	72.0672	< 2.2e-16
## tdhmod3a	1	103.9	103.91	319.3139	< 2.2e-16
## tx3mod3a	1	0.0	0.05	0.1495	0.6989824
## tx6mod3a	1	0.5	0.46	1.4265	0.2323601
## RelativeSlopePosition	1	29.0	28.96	88.9999	< 2.2e-16
## tx4mod3a	1	2.5	2.47	7.5808	0.0059099
## tdlmod3a	1	49.1	49.11	150.8953	< 2.2e-16
## twisre3a	1	1.2	1.19	3.6494	0.0561175
## ganhws3a	1	7.9	7.93	24.3595	8.121e-07
## tnhmod3a	1	43.3	43.31	133.0753	< 2.2e-16
## DEMSRE3a	1	56.1	56.13	172.4924	< 2.2e-16
## DEM	1	6.6	6.58	20.2212	6.975e-06
## tnmmod3a	1	4.4	4.44	13.6571	0.0002206
## inssre3a	1	0.1	0.07	0.2198	0.6391878
## inmsre3a	1	0.9	0.92	2.8394	0.0920116
## Bioclivs1	1	3.8	3.83	11.7732	0.0006033
## Pisosvs9	1	15.7	15.69	48.2030	4.079e-12
## Pisosvs3	1	3.0	3.05	9.3622	0.0022209
## Residuals	10105	3288.4	0.33		

```
##
```

```
## tx2mod3a ***
## Suelosvs2 ***
## tdmmod3a ***
## VerticalDistanceToChannelNetwork ***
## tdhmod3a ***
## tx3mod3a
## tx6mod3a
## RelativeSlopePosition ***
## tx4mod3a **
## tdlmod3a ***
```

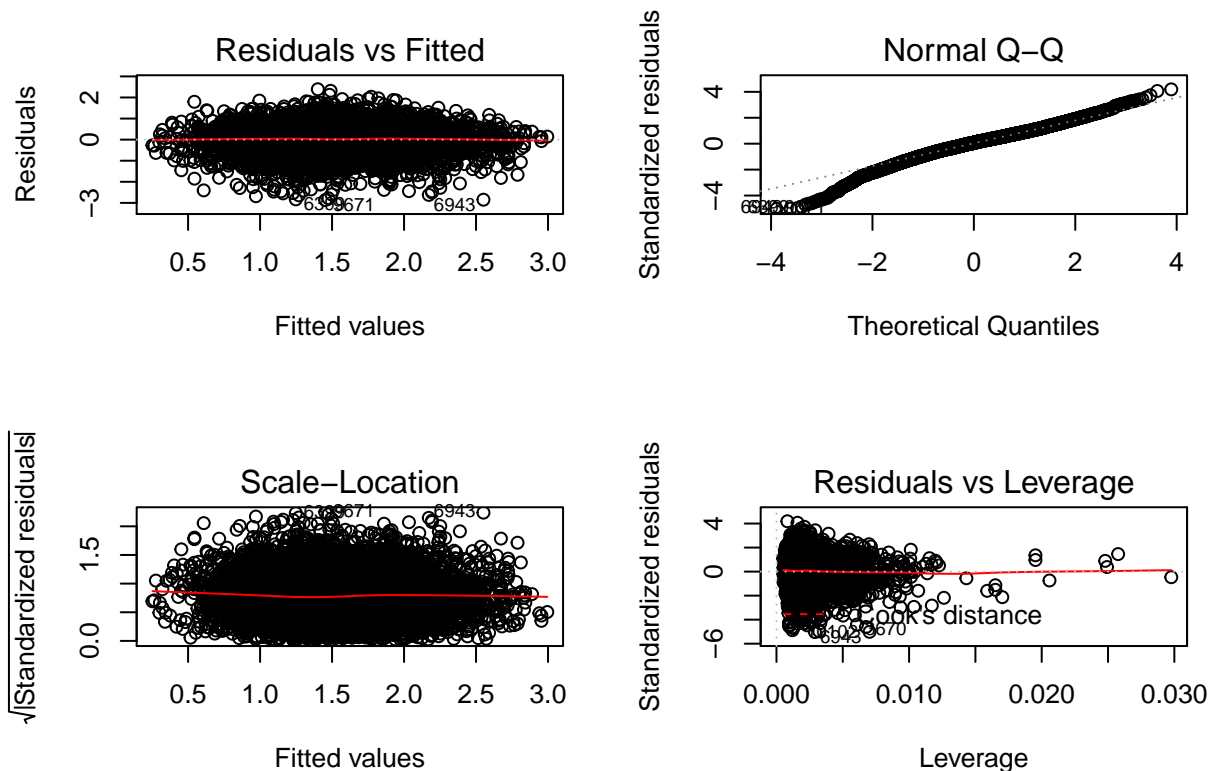
```
## twisre3a .
## ganhws3a ***
## tnmod3a ***
## DEMSRE3a ***
## DEM ***
## tnmod3a ***
## inssre3a .
## inmsre3a .
## Bioclivs1 ***
## Pisosvs9 ***
## Pisosvs3 **
## Residuals
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

*# Dividimos el area de graficos en 2 filas y 2 columnas.*

```
par(mfrow=c(2,2))
```

*# Hacemos los graficos del modelo de regresion lineal multiple.*

```
plot(modelo.MLR.step)
```



*# Dividimos el area de graficos en 1 filas y 1 columnas.*

```
par(mfrow=c(1,1))
```



*#Falta de multicolinealidad en las variables x: podemos comprobar esto mediante  
#el calculo de los Factores de Inflacion de la Varianza (FIVs)*

```
vif(modelo.MLR.step)
```

```
##          tx2mod3a          Suelosvs2
##          7.707706          1.420587
##          tdmmod3a VerticalDistanceToChannelNetwork
##          24.949207          7.629238
##          tdhmod3a          tx3mod3a
##          6.238645          10.418959
##          tx6mod3a          RelativeSlopePosition
##          7.007404          6.775654
##          tx4mod3a          tdlmod3a
##          7.884026          7.285933
##          twisre3a          ganhws3a
##          3.795768          1.461294
##          tnhmod3a          DEMSRE3a
##          45.119320          1970.941696
##          DEM          tnmmod3a
##          2014.949317          34.898986
##          inssre3a          inmsre3a
##          13.676326          5.760323
##          Bioclivs1          Pisosvs9
##          1.973250          2.826387
##          Pisosvs3
##          1.251000
```

*#Variables problematicas tienen sqrt(FIV) > 2*

```
sqrt(vif(modelo.MLR.step))
```

```
##          tx2mod3a          Suelosvs2
##          2.776276          1.191884
##          tdmmod3a VerticalDistanceToChannelNetwork
##          4.994918          2.762108
##          tdhmod3a          tx3mod3a
##          2.497728          3.227841
##          tx6mod3a          RelativeSlopePosition
##          2.647150          2.603009
##          tx4mod3a          tdlmod3a
##          2.807851          2.699247
##          twisre3a          ganhws3a
##          1.948273          1.208840
##          tnhmod3a          DEMSRE3a
##          6.717092          44.395289
##          DEM          tnmmod3a
##          44.888187          5.907536
##          inssre3a          inmsre3a
##          3.698152          2.400067
##          Bioclivs1          Pisosvs9
##          1.404724          1.681186
##          Pisosvs3
##          1.118481
```

```
# Eliminamos del MRL multiple las covariables con Multicolinealidad.
```

```
modelo.MLR.step <- update(modelo.MLR.step, . ~ . - DEM -tnhmod3a -tdmmod3a -inssre3a -tx3mod3a -tnmmod3a
```

```
# Revisamos de nuevo la multicolinealidad.
```

```
sqrt(vif(modelo.MLR.step))
```

```
##          tx2mod3a          Suelosvs2
##          2.319083          1.187438
## VerticalDistanceToChannelNetwork    tdhmod3a
##          2.707139          2.240357
##          tx6mod3a    RelativeSlopePosition
##          2.577834          2.452224
##          tx4mod3a          tdlmod3a
##          2.404800          2.368837
##          twisre3a          ganhws3a
##          1.772470          1.197710
##          DEMSRE3a          inmsre3a
##          2.822557          1.775531
##          Bioclivs1          Pisosvs9
##          1.334821          1.632872
##          Pisosvs3
##          1.099501
```

```
#Vamos usar la prueba de Bonferroni para valores atipicos:
```

```
outlierTest(modelo.MLR.step)
```

```
##          rstudent unadjusted p-value Bonferonni p
## 6399 -5.099740          3.4628e-07 0.0035068
## 6943 -4.994096          6.0100e-07 0.0060863
## 9585 -4.910874          9.2091e-07 0.0093260
## 9671 -4.887380          1.0376e-06 0.0105070
## 10102 -4.746641          2.0966e-06 0.0212320
## 2219 -4.682257          2.8743e-06 0.0291080
## 7367 -4.577421          4.7636e-06 0.0482410
```

```
# Incorporamos las covariables requeridas, segun MRL Multiple.
```

```
topo <- stack('ECUtopo.tif')
namesTopo <- readRDS('namesTOP0.rds')
names(topo)
```

```
## [1] "ECUtopo.1" "ECUtopo.2" "ECUtopo.3" "ECUtopo.4" "ECUtopo.5"
## [6] "ECUtopo.6" "ECUtopo.7" "ECUtopo.8" "ECUtopo.9" "ECUtopo.10"
## [11] "ECUtopo.11" "ECUtopo.12" "ECUtopo.13" "ECUtopo.14" "ECUtopo.15"
```

```
names(topo) <- namesTopo
names(topo)
```

```
## [1] "DEM"          "AnalyticalHillshading"
## [3] "Slope"        "Aspect"
## [5] "CrossSectionalCurvature" "LongitudinalCurvature"
## [7] "CovergenceIndex" "ClosedDepressions"
## [9] "FlowAccumulation" "TopographicWetnessIndex"
```

```
## [11] "LSFactor" "ChannelNetworkBaseLevel"
## [13] "VerticalDistanceToChannelNetwork" "ValleyDepth"
## [15] "RelativeSlopePosition"
```

```
cov <- stack('ECU_worldgridsCOVS.tif')
namesCov <- readRDS('worldgridsCOVS_names.rds')
names(cov)
```

```
## [1] "ECU_worldgridsCOVS.1" "ECU_worldgridsCOVS.2"
## [3] "ECU_worldgridsCOVS.3" "ECU_worldgridsCOVS.4"
## [5] "ECU_worldgridsCOVS.5" "ECU_worldgridsCOVS.6"
## [7] "ECU_worldgridsCOVS.7" "ECU_worldgridsCOVS.8"
## [9] "ECU_worldgridsCOVS.9" "ECU_worldgridsCOVS.10"
## [11] "ECU_worldgridsCOVS.11" "ECU_worldgridsCOVS.12"
## [13] "ECU_worldgridsCOVS.13" "ECU_worldgridsCOVS.14"
## [15] "ECU_worldgridsCOVS.15" "ECU_worldgridsCOVS.16"
## [17] "ECU_worldgridsCOVS.17" "ECU_worldgridsCOVS.18"
## [19] "ECU_worldgridsCOVS.19" "ECU_worldgridsCOVS.20"
## [21] "ECU_worldgridsCOVS.21" "ECU_worldgridsCOVS.22"
## [23] "ECU_worldgridsCOVS.23" "ECU_worldgridsCOVS.24"
## [25] "ECU_worldgridsCOVS.25" "ECU_worldgridsCOVS.26"
## [27] "ECU_worldgridsCOVS.27" "ECU_worldgridsCOVS.28"
## [29] "ECU_worldgridsCOVS.29" "ECU_worldgridsCOVS.30"
## [31] "ECU_worldgridsCOVS.31" "ECU_worldgridsCOVS.32"
## [33] "ECU_worldgridsCOVS.33" "ECU_worldgridsCOVS.34"
## [35] "ECU_worldgridsCOVS.35" "ECU_worldgridsCOVS.36"
## [37] "ECU_worldgridsCOVS.37" "ECU_worldgridsCOVS.38"
## [39] "ECU_worldgridsCOVS.39" "ECU_worldgridsCOVS.40"
## [41] "ECU_worldgridsCOVS.41" "ECU_worldgridsCOVS.42"
## [43] "ECU_worldgridsCOVS.43" "ECU_worldgridsCOVS.44"
## [45] "ECU_worldgridsCOVS.45" "ECU_worldgridsCOVS.46"
## [47] "ECU_worldgridsCOVS.47" "ECU_worldgridsCOVS.48"
## [49] "ECU_worldgridsCOVS.49" "ECU_worldgridsCOVS.50"
## [51] "ECU_worldgridsCOVS.51" "ECU_worldgridsCOVS.52"
## [53] "ECU_worldgridsCOVS.53" "ECU_worldgridsCOVS.54"
## [55] "ECU_worldgridsCOVS.55" "ECU_worldgridsCOVS.56"
## [57] "ECU_worldgridsCOVS.57" "ECU_worldgridsCOVS.58"
## [59] "ECU_worldgridsCOVS.59" "ECU_worldgridsCOVS.60"
## [61] "ECU_worldgridsCOVS.61" "ECU_worldgridsCOVS.62"
## [63] "ECU_worldgridsCOVS.63" "ECU_worldgridsCOVS.64"
## [65] "ECU_worldgridsCOVS.65" "ECU_worldgridsCOVS.66"
## [67] "ECU_worldgridsCOVS.67" "ECU_worldgridsCOVS.68"
## [69] "ECU_worldgridsCOVS.69" "ECU_worldgridsCOVS.70"
## [71] "ECU_worldgridsCOVS.71" "ECU_worldgridsCOVS.72"
## [73] "ECU_worldgridsCOVS.73" "ECU_worldgridsCOVS.74"
## [75] "ECU_worldgridsCOVS.75" "ECU_worldgridsCOVS.76"
## [77] "ECU_worldgridsCOVS.77" "ECU_worldgridsCOVS.78"
## [79] "ECU_worldgridsCOVS.79" "ECU_worldgridsCOVS.80"
## [81] "ECU_worldgridsCOVS.81" "ECU_worldgridsCOVS.82"
## [83] "ECU_worldgridsCOVS.83" "ECU_worldgridsCOVS.84"
## [85] "ECU_worldgridsCOVS.85" "ECU_worldgridsCOVS.86"
## [87] "ECU_worldgridsCOVS.87" "ECU_worldgridsCOVS.88"
## [89] "ECU_worldgridsCOVS.89" "ECU_worldgridsCOVS.90"
## [91] "ECU_worldgridsCOVS.91" "ECU_worldgridsCOVS.92"
## [93] "ECU_worldgridsCOVS.93" "ECU_worldgridsCOVS.94"
```

```
## [95] "ECU_worldgridsCOVS.95" "ECU_worldgridsCOVS.96"
## [97] "ECU_worldgridsCOVS.97" "ECU_worldgridsCOVS.98"
## [99] "ECU_worldgridsCOVS.99" "ECU_worldgridsCOVS.100"
## [101] "ECU_worldgridsCOVS.101" "ECU_worldgridsCOVS.102"
## [103] "ECU_worldgridsCOVS.103" "ECU_worldgridsCOVS.104"
## [105] "ECU_worldgridsCOVS.105" "ECU_worldgridsCOVS.106"
## [107] "ECU_worldgridsCOVS.107" "ECU_worldgridsCOVS.108"
## [109] "ECU_worldgridsCOVS.109" "ECU_worldgridsCOVS.110"
## [111] "ECU_worldgridsCOVS.111" "ECU_worldgridsCOVS.112"
## [113] "ECU_worldgridsCOVS.113" "ECU_worldgridsCOVS.114"
## [115] "ECU_worldgridsCOVS.115" "ECU_worldgridsCOVS.116"
## [117] "ECU_worldgridsCOVS.117" "ECU_worldgridsCOVS.118"
```

```
names(cov) <- namesCov
names(cov)
```

```
## [1] "cntgad3a" "DEMSRE3a" "etmnts3a" "evmmod3a" "evsmod3a" "g01esa3a"
## [7] "g01igb3a" "g02esa3a" "g02igb3a" "g03esa3a" "g04esa3a" "g04igb3a"
## [13] "g05esa3a" "g06esa3a" "g07esa3a" "g08esa3a" "g09esa3a" "g10esa3a"
## [19] "g10igb3a" "g11esa3a" "g11igb3a" "g12esa3a" "g12igb3a" "g13esa3a"
## [25] "g14esa3a" "g15esa3a" "g16esa3a" "g17esa3a" "g18esa3a" "g19esa3a"
## [31] "g20esa3a" "g21esa3a" "g22esa3a" "gabhws3a" "gacgem3a" "gachws3a"
## [37] "galhws3a" "ganhws3a" "garhws3a" "gathws3a" "gchhws3a" "gclhws3a"
## [43] "gcmhws3a" "gcrhws3a" "geaisg3a" "gflhws3a" "gfrhws3a" "gglhws3a"
## [49] "ggyhws3a" "ghshws3a" "gkshws3a" "glcesa3a" "glcjrc3a" "glphws3a"
## [55] "glvhws3a" "glwwf3a" "glxhws3a" "gnthws3a" "gphhws3a" "gplhws3a"
## [61] "gpthws3a" "gpzhws3a" "grghws3a" "gschws3a" "gsnhws3a" "gsthws3a"
## [67] "gumhws3a" "gvrhws3a" "iflgre3a" "inmsre3a" "inssre3a" "l01igb3a"
## [73] "l02igb3a" "l03igb3a" "l04igb3a" "l05igb3a" "l06igb3a" "l07igb3a"
## [79] "l08igb3a" "l09igb3a" "l10igb3a" "l11igb3a" "l12igb3a" "l13igb3a"
## [85] "l14igb3a" "l15igb3a" "l16igb3a" "l3pobi3b" "lammod3a" "lasmod3a"
## [91] "lmbgsh3a" "lmtgsh3a" "ln1dms3a" "ln2dms3a" "lnmdms3a" "opisre3a"
## [97] "px1wcl3a" "px2wcl3a" "px3wcl3a" "px4wcl3a" "SLPSRT3a" "smkisir3a"
## [103] "tdhmod3a" "tdlmod3a" "tdmmod3a" "tdsmod3a" "tnhmod3a" "tnlmod3a"
## [109] "tnmmod3a" "tnsmod3a" "twisre3a" "tx1mod3a" "tx2mod3a" "tx3mod3a"
## [115] "tx4mod3a" "tx5mod3a" "tx6mod3a" "wmkmod3a"
```

```
# Incorporamos las covariables categoricas y las adecuamos al resto.
```

```
Suelosvs <- raster('Covariables/Suelosvs.tif')
Suelosvs <- resample(Suelosvs,topo, method = 'ngb')
Bioclivs <- raster('Covariables/Bioclivs.tif')
Bioclivs <- resample(Bioclivs,topo, method = 'ngb')
Climavs <- raster('Covariables/Climavs.tif')
Climavs <- resample(Climavs,topo, method = 'ngb')
Cobervs <- raster('Covariables/Cobervs.tif')
Cobervs <- resample(Cobervs,topo, method = 'ngb')
Pisosvs <- raster('Covariables/Pisosvs.tif')
Pisosvs <- resample(Pisosvs,topo, method = 'ngb')
```

```
# Convertimos las covariables categoricas a dummy
```

```
Suelosvs_du <- dummyRaster(Suelosvs)
Bioclivs_du <- dummyRaster(Bioclivs)
Climavs_du <- dummyRaster(Climavs)
```

```

Cobervs_du <- dummyRaster(Cobervs)
Pisosvs_du <- dummyRaster(Pisosvs)

# Apilamos todas las covariables.

COV <- stack(topo, cov, Suelosvs_du, Bioclivs_du, Climavs_du, Cobervs_du, Pisosvs_du)

# Observamos los nombres de los campos o columnas.

names(COV)

##      [1] "DEM"                                "AnalyticalHillshading"
##      [3] "Slope"                              "Aspect"
##      [5] "CrossSectionalCurvature"          "LongitudinalCurvature"
##      [7] "CovergenceIndex"                   "ClosedDepressions"
##      [9] "FlowAccumulation"                  "TopographicWetnessIndex"
##     [11] "LSFactor"                           "ChannelNetworkBaseLevel"
##     [13] "VerticalDistanceToChannelNetwork"  "ValleyDepth"
##     [15] "RelativeSlopePosition"              "cntgad3a"
##     [17] "DEMSRE3a"                           "etmnts3a"
##     [19] "evmmod3a"                           "evsmmod3a"
##     [21] "g01esa3a"                           "g01igb3a"
##     [23] "g02esa3a"                           "g02igb3a"
##     [25] "g03esa3a"                           "g04esa3a"
##     [27] "g04igb3a"                           "g05esa3a"
##     [29] "g06esa3a"                           "g07esa3a"
##     [31] "g08esa3a"                           "g09esa3a"
##     [33] "g10esa3a"                           "g10igb3a"
##     [35] "g11esa3a"                           "g11igb3a"
##     [37] "g12esa3a"                           "g12igb3a"
##     [39] "g13esa3a"                           "g14esa3a"
##     [41] "g15esa3a"                           "g16esa3a"
##     [43] "g17esa3a"                           "g18esa3a"
##     [45] "g19esa3a"                           "g20esa3a"
##     [47] "g21esa3a"                           "g22esa3a"
##     [49] "gabhws3a"                           "gacgem3a"
##     [51] "gachws3a"                           "galhws3a"
##     [53] "ganhws3a"                           "garhws3a"
##     [55] "gathws3a"                           "gchhws3a"
##     [57] "gclhws3a"                           "gcmhws3a"
##     [59] "gcrhws3a"                           "geaisg3a"
##     [61] "gflhws3a"                           "gfrhws3a"
##     [63] "gglhws3a"                           "ggyhws3a"
##     [65] "ghshws3a"                           "gkshws3a"
##     [67] "glcesa3a"                           "glcjrc3a"
##     [69] "glphws3a"                           "glvhws3a"
##     [71] "glwwf3a"                            "glxhws3a"
##     [73] "gnthws3a"                           "gphhws3a"
##     [75] "gplhws3a"                           "gpthws3a"
##     [77] "gpzhws3a"                           "grghws3a"
##     [79] "gschws3a"                           "gsnhws3a"
##     [81] "gsthws3a"                           "gumhws3a"
##     [83] "gvrhws3a"                           "iflgre3a"
##     [85] "inmsre3a"                           "inssre3a"

```

```
## [87] "l01igb3a" "l02igb3a"
## [89] "l03igb3a" "l04igb3a"
## [91] "l05igb3a" "l06igb3a"
## [93] "l07igb3a" "l08igb3a"
## [95] "l09igb3a" "l10igb3a"
## [97] "l11igb3a" "l12igb3a"
## [99] "l13igb3a" "l14igb3a"
## [101] "l15igb3a" "l16igb3a"
## [103] "l3pobi3b" "lammod3a"
## [105] "lasmod3a" "lmbgsh3a"
## [107] "lmtgsh3a" "ln1dms3a"
## [109] "ln2dms3a" "lnmdms3a"
## [111] "opisre3a" "px1wcl3a"
## [113] "px2wcl3a" "px3wcl3a"
## [115] "px4wcl3a" "SLPSRT3a"
## [117] "smkisir3a" "tdhmod3a"
## [119] "tdlmod3a" "tdmmod3a"
## [121] "tdsmod3a" "tnhmod3a"
## [123] "tnlmod3a" "tnmmod3a"
## [125] "tnsmod3a" "twisre3a"
## [127] "tx1mod3a" "tx2mod3a"
## [129] "tx3mod3a" "tx4mod3a"
## [131] "tx5mod3a" "tx6mod3a"
## [133] "wmkmod3a" "Suelosvs1"
## [135] "Suelosvs2" "Suelosvs3"
## [137] "Suelosvs4" "Suelosvs5"
## [139] "Suelosvs6" "Suelosvs7"
## [141] "Suelosvs8" "Suelosvs9"
## [143] "Suelosvs10" "Suelosvs11"
## [145] "Bioclivs1" "Bioclivs2"
## [147] "Bioclivs3" "Bioclivs4"
## [149] "Climavs1" "Climavs2"
## [151] "Climavs3" "Climavs4"
## [153] "Climavs5" "Climavs6"
## [155] "Climavs7" "Climavs8"
## [157] "Climavs9" "Cobervs1"
## [159] "Cobervs2" "Cobervs3"
## [161] "Cobervs4" "Cobervs5"
## [163] "Cobervs6" "Cobervs7"
## [165] "Pisosvs1" "Pisosvs2"
## [167] "Pisosvs3" "Pisosvs4"
## [169] "Pisosvs5" "Pisosvs7"
## [171] "Pisosvs8" "Pisosvs9"
```

```
# Seleccionamos solo las primeras 25 covariables de mayor correlacion.
```

```
COV <- COV[[idx]]
```

```
# Observamos los nombres de los campos o columnas.
```

```
names(COV)
```

```
## [1] "tx2mod3a" "Suelosvs2"
## [3] "tx1mod3a" "tdmmod3a"
## [5] "VerticalDistanceToChannelNetwork" "tdhmod3a"
```

```
## [7] "tx5mod3a"          "tx3mod3a"
## [9] "tx6mod3a"          "RelativeSlopePosition"
## [11] "tx4mod3a"          "tdlmod3a"
## [13] "twisre3a"          "ganhws3a"
## [15] "tnhmod3a"          "DEMSRE3a"
## [17] "DEM"               "tnmmod3a"
## [19] "inssre3a"          "Bioclivs3"
## [21] "inmsre3a"          "Bioclivs1"
## [23] "ValleyDepth"       "Pisosvs9"
## [25] "Pisosvs3"

# Cambiamos resolucion espacial de las covariables solo para verlos.
# En la corrida final se debe dejar en la resolucion original de 1 km.

COV <- aggregate(COV, 10)

# Adecuamos proyeccion cartograficas.
# Projectamos puntos de datos.

dat_sp@proj4string <- COV@crs
dat_sp <- spTransform(dat_sp, CRS("+init=epsg:32717"))
COV <- projectRaster(COV, crs = CRS("+init=epsg:32717"), method='ngb')

# Convertimos las covariables a tabla de datos espaciales.

COV.sp <- as(COV, "SpatialGridDataFrame")

## Eliminamos Datos duplicados.

zerodist(dat_sp)

##      [,1] [,2]
## [1,]    3    4
## [2,]    3    5
## [3,]    4    5
## [4,]    2    7
## [5,]   11   12
## [6,]   11   13
## [7,]   12   13
## [8,]   11   14
## [9,]   12   14
## [10,]  13   14
## [11,]  11   15
## [12,]  12   15
## [13,]  13   15
## [14,]  14   15
## [15,]  11   16
## [16,]  12   16
## [17,]  13   16
## [18,]  14   16
## [19,]  15   16
## [20,]  17   18
## [21,]  11   19
## [22,]  12   19
## [23,]  13   19
```

##	[24,]	14	19
##	[25,]	15	19
##	[26,]	16	19
##	[27,]	17	21
##	[28,]	18	21
##	[29,]	17	22
##	[30,]	18	22
##	[31,]	21	22
##	[32,]	17	23
##	[33,]	18	23
##	[34,]	21	23
##	[35,]	22	23
##	[36,]	17	24
##	[37,]	18	24
##	[38,]	21	24
##	[39,]	22	24
##	[40,]	23	24
##	[41,]	17	25
##	[42,]	18	25
##	[43,]	21	25
##	[44,]	22	25
##	[45,]	23	25
##	[46,]	24	25
##	[47,]	17	26
##	[48,]	18	26
##	[49,]	21	26
##	[50,]	22	26
##	[51,]	23	26
##	[52,]	24	26
##	[53,]	25	26
##	[54,]	17	27
##	[55,]	18	27
##	[56,]	21	27
##	[57,]	22	27
##	[58,]	23	27
##	[59,]	24	27
##	[60,]	25	27
##	[61,]	26	27
##	[62,]	17	28
##	[63,]	18	28
##	[64,]	21	28
##	[65,]	22	28
##	[66,]	23	28
##	[67,]	24	28
##	[68,]	25	28
##	[69,]	26	28
##	[70,]	27	28
##	[71,]	17	29
##	[72,]	18	29
##	[73,]	21	29
##	[74,]	22	29
##	[75,]	23	29
##	[76,]	24	29
##	[77,]	25	29



##	[78,]	26	29
##	[79,]	27	29
##	[80,]	28	29
##	[81,]	17	30
##	[82,]	18	30
##	[83,]	21	30
##	[84,]	22	30
##	[85,]	23	30
##	[86,]	24	30
##	[87,]	25	30
##	[88,]	26	30
##	[89,]	27	30
##	[90,]	28	30
##	[91,]	29	30
##	[92,]	17	31
##	[93,]	18	31
##	[94,]	21	31
##	[95,]	22	31
##	[96,]	23	31
##	[97,]	24	31
##	[98,]	25	31
##	[99,]	26	31
##	[100,]	27	31
##	[101,]	28	31
##	[102,]	29	31
##	[103,]	30	31
##	[104,]	17	32
##	[105,]	18	32
##	[106,]	21	32
##	[107,]	22	32
##	[108,]	23	32
##	[109,]	24	32
##	[110,]	25	32
##	[111,]	26	32
##	[112,]	27	32
##	[113,]	28	32
##	[114,]	29	32
##	[115,]	30	32
##	[116,]	31	32
##	[117,]	17	33
##	[118,]	18	33
##	[119,]	21	33
##	[120,]	22	33
##	[121,]	23	33
##	[122,]	24	33
##	[123,]	25	33
##	[124,]	26	33
##	[125,]	27	33
##	[126,]	28	33
##	[127,]	29	33
##	[128,]	30	33
##	[129,]	31	33
##	[130,]	32	33
##	[131,]	17	34

##	[132,]	18	34
##	[133,]	21	34
##	[134,]	22	34
##	[135,]	23	34
##	[136,]	24	34
##	[137,]	25	34
##	[138,]	26	34
##	[139,]	27	34
##	[140,]	28	34
##	[141,]	29	34
##	[142,]	30	34
##	[143,]	31	34
##	[144,]	32	34
##	[145,]	33	34
##	[146,]	17	35
##	[147,]	18	35
##	[148,]	21	35
##	[149,]	22	35
##	[150,]	23	35
##	[151,]	24	35
##	[152,]	25	35
##	[153,]	26	35
##	[154,]	27	35
##	[155,]	28	35
##	[156,]	29	35
##	[157,]	30	35
##	[158,]	31	35
##	[159,]	32	35
##	[160,]	33	35
##	[161,]	34	35
##	[162,]	17	36
##	[163,]	18	36
##	[164,]	21	36
##	[165,]	22	36
##	[166,]	23	36
##	[167,]	24	36
##	[168,]	25	36
##	[169,]	26	36
##	[170,]	27	36
##	[171,]	28	36
##	[172,]	29	36
##	[173,]	30	36
##	[174,]	31	36
##	[175,]	32	36
##	[176,]	33	36
##	[177,]	34	36
##	[178,]	35	36
##	[179,]	17	37
##	[180,]	18	37
##	[181,]	21	37
##	[182,]	22	37
##	[183,]	23	37
##	[184,]	24	37
##	[185,]	25	37

##	[186,]	26	37
##	[187,]	27	37
##	[188,]	28	37
##	[189,]	29	37
##	[190,]	30	37
##	[191,]	31	37
##	[192,]	32	37
##	[193,]	33	37
##	[194,]	34	37
##	[195,]	35	37
##	[196,]	36	37
##	[197,]	17	38
##	[198,]	18	38
##	[199,]	21	38
##	[200,]	22	38
##	[201,]	23	38
##	[202,]	24	38
##	[203,]	25	38
##	[204,]	26	38
##	[205,]	27	38
##	[206,]	28	38
##	[207,]	29	38
##	[208,]	30	38
##	[209,]	31	38
##	[210,]	32	38
##	[211,]	33	38
##	[212,]	34	38
##	[213,]	35	38
##	[214,]	36	38
##	[215,]	37	38
##	[216,]	17	39
##	[217,]	18	39
##	[218,]	21	39
##	[219,]	22	39
##	[220,]	23	39
##	[221,]	24	39
##	[222,]	25	39
##	[223,]	26	39
##	[224,]	27	39
##	[225,]	28	39
##	[226,]	29	39
##	[227,]	30	39
##	[228,]	31	39
##	[229,]	32	39
##	[230,]	33	39
##	[231,]	34	39
##	[232,]	35	39
##	[233,]	36	39
##	[234,]	37	39
##	[235,]	38	39
##	[236,]	17	41
##	[237,]	18	41
##	[238,]	21	41
##	[239,]	22	41

##	[240,]	23	41
##	[241,]	24	41
##	[242,]	25	41
##	[243,]	26	41
##	[244,]	27	41
##	[245,]	28	41
##	[246,]	29	41
##	[247,]	30	41
##	[248,]	31	41
##	[249,]	32	41
##	[250,]	33	41
##	[251,]	34	41
##	[252,]	35	41
##	[253,]	36	41
##	[254,]	37	41
##	[255,]	38	41
##	[256,]	39	41
##	[257,]	17	43
##	[258,]	18	43
##	[259,]	21	43
##	[260,]	22	43
##	[261,]	23	43
##	[262,]	24	43
##	[263,]	25	43
##	[264,]	26	43
##	[265,]	27	43
##	[266,]	28	43
##	[267,]	29	43
##	[268,]	30	43
##	[269,]	31	43
##	[270,]	32	43
##	[271,]	33	43
##	[272,]	34	43
##	[273,]	35	43
##	[274,]	36	43
##	[275,]	37	43
##	[276,]	38	43
##	[277,]	39	43
##	[278,]	41	43
##	[279,]	10	52
##	[280,]	50	53
##	[281,]	51	54
##	[282,]	58	59
##	[283,]	44	65
##	[284,]	49	67
##	[285,]	9	69
##	[286,]	58	70
##	[287,]	59	70
##	[288,]	74	75
##	[289,]	76	77
##	[290,]	88	90
##	[291,]	83	91
##	[292,]	89	92
##	[293,]	79	93

##	[294,]	76	95
##	[295,]	77	95
##	[296,]	73	97
##	[297,]	72	98
##	[298,]	71	99
##	[299,]	96	100
##	[300,]	74	112
##	[301,]	75	112
##	[302,]	104	116
##	[303,]	119	120
##	[304,]	129	130
##	[305,]	128	133
##	[306,]	122	145
##	[307,]	142	146
##	[308,]	150	151
##	[309,]	121	154
##	[310,]	167	168
##	[311,]	121	171
##	[312,]	154	171
##	[313,]	142	182
##	[314,]	146	182
##	[315,]	119	183
##	[316,]	120	183
##	[317,]	177	186
##	[318,]	174	188
##	[319,]	175	189
##	[320,]	176	190
##	[321,]	135	193
##	[322,]	169	194
##	[323,]	196	197
##	[324,]	196	198
##	[325,]	197	198
##	[326,]	196	199
##	[327,]	197	199
##	[328,]	198	199
##	[329,]	196	200
##	[330,]	197	200
##	[331,]	198	200
##	[332,]	199	200
##	[333,]	196	201
##	[334,]	197	201
##	[335,]	198	201
##	[336,]	199	201
##	[337,]	200	201
##	[338,]	195	202
##	[339,]	206	207
##	[340,]	208	209
##	[341,]	213	214
##	[342,]	213	215
##	[343,]	214	215
##	[344,]	213	216
##	[345,]	214	216
##	[346,]	215	216
##	[347,]	217	218

##	[348,]	217	219
##	[349,]	218	219
##	[350,]	231	232
##	[351,]	242	249
##	[352,]	250	251
##	[353,]	223	252
##	[354,]	238	254
##	[355,]	246	260
##	[356,]	246	272
##	[357,]	260	272
##	[358,]	282	283
##	[359,]	284	285
##	[360,]	196	287
##	[361,]	197	287
##	[362,]	198	287
##	[363,]	199	287
##	[364,]	200	287
##	[365,]	201	287
##	[366,]	195	293
##	[367,]	202	293
##	[368,]	238	294
##	[369,]	254	294
##	[370,]	296	297
##	[371,]	237	298
##	[372,]	296	299
##	[373,]	297	299
##	[374,]	275	306
##	[375,]	296	308
##	[376,]	297	308
##	[377,]	299	308
##	[378,]	237	309
##	[379,]	298	309
##	[380,]	292	313
##	[381,]	195	314
##	[382,]	202	314
##	[383,]	293	314
##	[384,]	317	318
##	[385,]	316	321
##	[386,]	322	323
##	[387,]	324	325
##	[388,]	329	330
##	[389,]	337	338
##	[390,]	355	356
##	[391,]	322	357
##	[392,]	323	357
##	[393,]	320	364
##	[394,]	317	375
##	[395,]	318	375
##	[396,]	319	376
##	[397,]	317	377
##	[398,]	318	377
##	[399,]	375	377
##	[400,]	393	394
##	[401,]	316	396

##	[402,]	321	396
##	[403,]	381	397
##	[404,]	399	400
##	[405,]	399	401
##	[406,]	400	401
##	[407,]	402	403
##	[408,]	408	409
##	[409,]	408	410
##	[410,]	409	410
##	[411,]	417	418
##	[412,]	411	421
##	[413,]	408	422
##	[414,]	409	422
##	[415,]	410	422
##	[416,]	431	432
##	[417,]	435	436
##	[418,]	433	439
##	[419,]	427	440
##	[420,]	447	448
##	[421,]	449	455
##	[422,]	465	466
##	[423,]	470	471
##	[424,]	460	478
##	[425,]	479	480
##	[426,]	402	491
##	[427,]	403	491
##	[428,]	502	503
##	[429,]	502	504
##	[430,]	503	504
##	[431,]	497	508
##	[432,]	514	515
##	[433,]	507	525
##	[434,]	399	531
##	[435,]	400	531
##	[436,]	401	531
##	[437,]	497	536
##	[438,]	508	536
##	[439,]	495	537
##	[440,]	572	573
##	[441,]	574	575
##	[442,]	574	581
##	[443,]	575	581
##	[444,]	579	582
##	[445,]	579	583
##	[446,]	582	583
##	[447,]	586	587
##	[448,]	572	588
##	[449,]	573	588
##	[450,]	599	600
##	[451,]	612	613
##	[452,]	617	618
##	[453,]	616	639
##	[454,]	641	645
##	[455,]	662	663

##	[456,]	668	669
##	[457,]	678	679
##	[458,]	677	693
##	[459,]	647	694
##	[460,]	700	701
##	[461,]	704	705
##	[462,]	709	710
##	[463,]	732	733
##	[464,]	806	807
##	[465,]	700	832
##	[466,]	701	832
##	[467,]	851	852
##	[468,]	859	860
##	[469,]	887	888
##	[470,]	894	900
##	[471,]	896	903
##	[472,]	899	904
##	[473,]	901	909
##	[474,]	910	911
##	[475,]	894	914
##	[476,]	900	914
##	[477,]	917	918
##	[478,]	926	927
##	[479,]	892	931
##	[480,]	945	946
##	[481,]	937	954
##	[482,]	908	956
##	[483,]	958	961
##	[484,]	971	972
##	[485,]	985	986
##	[486,]	1019	1020
##	[487,]	1039	1040
##	[488,]	1017	1049
##	[489,]	1097	1098
##	[490,]	1135	1136
##	[491,]	1135	1137
##	[492,]	1136	1137
##	[493,]	1139	1140
##	[494,]	1139	1142
##	[495,]	1140	1142
##	[496,]	1145	1146
##	[497,]	1143	1147
##	[498,]	1145	1148
##	[499,]	1146	1148
##	[500,]	1138	1149
##	[501,]	1167	1168
##	[502,]	1173	1174
##	[503,]	1175	1176
##	[504,]	1178	1179
##	[505,]	1217	1218
##	[506,]	1211	1231
##	[507,]	1131	1243
##	[508,]	1250	1251
##	[509,]	1253	1254



##	[510,]	1268	1269
##	[511,]	1248	1275
##	[512,]	1249	1277
##	[513,]	1216	1280
##	[514,]	1216	1282
##	[515,]	1280	1282
##	[516,]	1266	1286
##	[517,]	1293	1294
##	[518,]	1295	1296
##	[519,]	1295	1297
##	[520,]	1296	1297
##	[521,]	1305	1306
##	[522,]	1308	1309
##	[523,]	1308	1310
##	[524,]	1309	1310
##	[525,]	1311	1312
##	[526,]	1315	1316
##	[527,]	1315	1317
##	[528,]	1316	1317
##	[529,]	1318	1319
##	[530,]	1320	1321
##	[531,]	1315	1330
##	[532,]	1316	1330
##	[533,]	1317	1330
##	[534,]	1327	1332
##	[535,]	1341	1342
##	[536,]	1345	1346
##	[537,]	1350	1351
##	[538,]	1408	1409
##	[539,]	1438	1439
##	[540,]	1443	1444
##	[541,]	1443	1445
##	[542,]	1444	1445
##	[543,]	1290	1464
##	[544,]	1465	1466
##	[545,]	1474	1475
##	[546,]	1474	1476
##	[547,]	1475	1476
##	[548,]	1485	1486
##	[549,]	1503	1504
##	[550,]	1506	1507
##	[551,]	1509	1516
##	[552,]	1533	1534
##	[553,]	1533	1537
##	[554,]	1534	1537
##	[555,]	1533	1539
##	[556,]	1534	1539
##	[557,]	1537	1539
##	[558,]	1533	1540
##	[559,]	1534	1540
##	[560,]	1537	1540
##	[561,]	1539	1540
##	[562,]	1545	1546
##	[563,]	1545	1547

##	[564,]	1546	1547
##	[565,]	1548	1549
##	[566,]	1552	1557
##	[567,]	1552	1558
##	[568,]	1557	1558
##	[569,]	1571	1577
##	[570,]	1580	1581
##	[571,]	1570	1588
##	[572,]	1584	1606
##	[573,]	1584	1607
##	[574,]	1606	1607
##	[575,]	1609	1610
##	[576,]	1612	1613
##	[577,]	1624	1625
##	[578,]	1629	1630
##	[579,]	1631	1632
##	[580,]	1642	1647
##	[581,]	1663	1665
##	[582,]	1702	1703
##	[583,]	1700	1714
##	[584,]	1719	1720
##	[585,]	1719	1721
##	[586,]	1720	1721
##	[587,]	1731	1732
##	[588,]	1742	1743
##	[589,]	1698	1746
##	[590,]	1749	1750
##	[591,]	1741	1753
##	[592,]	1768	1769
##	[593,]	1807	1808
##	[594,]	1771	1809
##	[595,]	1814	1815
##	[596,]	1830	1831
##	[597,]	1848	1849
##	[598,]	1853	1854
##	[599,]	1863	1864
##	[600,]	1862	1867
##	[601,]	1862	1868
##	[602,]	1867	1868
##	[603,]	1865	1869
##	[604,]	1862	1872
##	[605,]	1867	1872
##	[606,]	1868	1872
##	[607,]	1862	1873
##	[608,]	1867	1873
##	[609,]	1868	1873
##	[610,]	1872	1873
##	[611,]	1879	1880
##	[612,]	1911	1912
##	[613,]	1952	1953
##	[614,]	1954	1955
##	[615,]	1973	1974
##	[616,]	1989	1990
##	[617,]	1994	1995

##	[618,]	1996	1997
##	[619,]	1998	1999
##	[620,]	1998	2000
##	[621,]	1999	2000
##	[622,]	2001	2002
##	[623,]	2021	2022
##	[624,]	2015	2026
##	[625,]	2029	2030
##	[626,]	2033	2034
##	[627,]	2038	2041
##	[628,]	2044	2045
##	[629,]	2063	2069
##	[630,]	2061	2070
##	[631,]	2068	2071
##	[632,]	2063	2074
##	[633,]	2069	2074
##	[634,]	2100	2101
##	[635,]	2109	2110
##	[636,]	2112	2113
##	[637,]	2130	2131
##	[638,]	2130	2132
##	[639,]	2131	2132
##	[640,]	2134	2143
##	[641,]	2144	2145
##	[642,]	2152	2153
##	[643,]	2161	2162
##	[644,]	2161	2163
##	[645,]	2162	2163
##	[646,]	2167	2168
##	[647,]	2167	2169
##	[648,]	2168	2169
##	[649,]	2178	2179
##	[650,]	2177	2180
##	[651,]	2181	2182
##	[652,]	2161	2183
##	[653,]	2162	2183
##	[654,]	2163	2183
##	[655,]	2186	2187
##	[656,]	2161	2189
##	[657,]	2162	2189
##	[658,]	2163	2189
##	[659,]	2183	2189
##	[660,]	2173	2195
##	[661,]	2178	2196
##	[662,]	2179	2196
##	[663,]	2211	2214
##	[664,]	2226	2227
##	[665,]	2226	2228
##	[666,]	2227	2228
##	[667,]	2234	2235
##	[668,]	2244	2245
##	[669,]	2249	2254
##	[670,]	2272	2273
##	[671,]	2279	2281

##	[672,]	2270	2282
##	[673,]	2270	2283
##	[674,]	2282	2283
##	[675,]	2284	2285
##	[676,]	2289	2290
##	[677,]	2294	2295
##	[678,]	2297	2298
##	[679,]	2299	2301
##	[680,]	2305	2306
##	[681,]	2305	2307
##	[682,]	2306	2307
##	[683,]	2320	2321
##	[684,]	2336	2337
##	[685,]	2354	2356
##	[686,]	2357	2358
##	[687,]	2346	2359
##	[688,]	2364	2369
##	[689,]	2363	2376
##	[690,]	2377	2379
##	[691,]	2415	2416
##	[692,]	2430	2431
##	[693,]	2439	2440
##	[694,]	2447	2449
##	[695,]	2460	2467
##	[696,]	2477	2478
##	[697,]	2490	2491
##	[698,]	2501	2502
##	[699,]	2505	2506
##	[700,]	2508	2509
##	[701,]	2521	2522
##	[702,]	2529	2534
##	[703,]	2537	2541
##	[704,]	2544	2547
##	[705,]	2552	2553
##	[706,]	2564	2565
##	[707,]	2570	2571
##	[708,]	2569	2572
##	[709,]	2570	2575
##	[710,]	2571	2575
##	[711,]	2581	2582
##	[712,]	2570	2587
##	[713,]	2571	2587
##	[714,]	2575	2587
##	[715,]	2570	2588
##	[716,]	2571	2588
##	[717,]	2575	2588
##	[718,]	2587	2588
##	[719,]	2570	2589
##	[720,]	2571	2589
##	[721,]	2575	2589
##	[722,]	2587	2589
##	[723,]	2588	2589
##	[724,]	2597	2599
##	[725,]	2614	2615

##	[726,]	2625	2626
##	[727,]	2672	2673
##	[728,]	2662	2675
##	[729,]	2685	2686
##	[730,]	2685	2687
##	[731,]	2686	2687
##	[732,]	2695	2696
##	[733,]	2659	2706
##	[734,]	2715	2716
##	[735,]	2717	2718
##	[736,]	2720	2722
##	[737,]	2726	2744
##	[738,]	2726	2745
##	[739,]	2744	2745
##	[740,]	2752	2753
##	[741,]	2731	2766
##	[742,]	2768	2769
##	[743,]	2770	2771
##	[744,]	2779	2780
##	[745,]	2736	2786
##	[746,]	2726	2805
##	[747,]	2744	2805
##	[748,]	2745	2805
##	[749,]	2808	2809
##	[750,]	2811	2812
##	[751,]	2841	2842
##	[752,]	2841	2843
##	[753,]	2842	2843
##	[754,]	2841	2844
##	[755,]	2842	2844
##	[756,]	2843	2844
##	[757,]	2850	2851
##	[758,]	2852	2854
##	[759,]	2864	2865
##	[760,]	2868	2869
##	[761,]	2861	2880
##	[762,]	2888	2889
##	[763,]	2857	2893
##	[764,]	2896	2897
##	[765,]	2867	2898
##	[766,]	2906	2907
##	[767,]	2910	2911
##	[768,]	2909	2913
##	[769,]	2909	2915
##	[770,]	2913	2915
##	[771,]	2910	2923
##	[772,]	2911	2923
##	[773,]	2910	2924
##	[774,]	2911	2924
##	[775,]	2923	2924
##	[776,]	2912	2925
##	[777,]	2912	2926
##	[778,]	2925	2926
##	[779,]	2912	2927

##	[780,]	2925	2927
##	[781,]	2926	2927
##	[782,]	2919	2930
##	[783,]	2906	2936
##	[784,]	2907	2936
##	[785,]	2905	2937
##	[786,]	2905	2938
##	[787,]	2937	2938
##	[788,]	2962	2963
##	[789,]	2965	2966
##	[790,]	2964	2978
##	[791,]	2974	2993
##	[792,]	2985	2994
##	[793,]	2987	2995
##	[794,]	3001	3002
##	[795,]	3004	3005
##	[796,]	3016	3034
##	[797,]	3018	3035
##	[798,]	3023	3042
##	[799,]	3053	3054
##	[800,]	3069	3070
##	[801,]	3084	3085
##	[802,]	3088	3089
##	[803,]	3094	3095
##	[804,]	3093	3108
##	[805,]	3111	3112
##	[806,]	3111	3113
##	[807,]	3112	3113
##	[808,]	3115	3116
##	[809,]	3119	3120
##	[810,]	3134	3135
##	[811,]	3151	3152
##	[812,]	2779	3163
##	[813,]	2780	3163
##	[814,]	3159	3165
##	[815,]	3110	3167
##	[816,]	3141	3174
##	[817,]	3159	3177
##	[818,]	3165	3177
##	[819,]	3158	3178
##	[820,]	3160	3180
##	[821,]	3093	3181
##	[822,]	3108	3181
##	[823,]	3185	3186
##	[824,]	3189	3190
##	[825,]	3194	3195
##	[826,]	3206	3207
##	[827,]	3208	3210
##	[828,]	3209	3212
##	[829,]	3215	3217
##	[830,]	3228	3229
##	[831,]	3218	3231
##	[832,]	3235	3236
##	[833,]	3234	3238

##	[834,]	3240	3242
##	[835,]	3249	3250
##	[836,]	3259	3267
##	[837,]	3271	3272
##	[838,]	3270	3273
##	[839,]	3255	3286
##	[840,]	3294	3295
##	[841,]	3298	3300
##	[842,]	3255	3304
##	[843,]	3286	3304
##	[844,]	3309	3312
##	[845,]	3321	3322
##	[846,]	3323	3324
##	[847,]	3327	3328
##	[848,]	3345	3346
##	[849,]	3352	3353
##	[850,]	3349	3354
##	[851,]	3355	3356
##	[852,]	3362	3363
##	[853,]	3348	3365
##	[854,]	3373	3374
##	[855,]	3386	3389
##	[856,]	3393	3394
##	[857,]	3409	3410
##	[858,]	3417	3418
##	[859,]	3426	3427
##	[860,]	3435	3436
##	[861,]	3435	3437
##	[862,]	3436	3437
##	[863,]	3439	3440
##	[864,]	3447	3448
##	[865,]	3455	3456
##	[866,]	3465	3466
##	[867,]	3487	3488
##	[868,]	3498	3499
##	[869,]	3498	3500
##	[870,]	3499	3500
##	[871,]	3514	3516
##	[872,]	3513	3530
##	[873,]	3534	3535
##	[874,]	3541	3542
##	[875,]	3546	3547
##	[876,]	3560	3561
##	[877,]	3560	3562
##	[878,]	3561	3562
##	[879,]	3579	3580
##	[880,]	3221	3583
##	[881,]	3559	3585
##	[882,]	3589	3590
##	[883,]	3589	3591
##	[884,]	3590	3591
##	[885,]	3623	3624
##	[886,]	3616	3629
##	[887,]	3632	3633

##	[888,]	3639	3644
##	[889,]	3678	3679
##	[890,]	3690	3692
##	[891,]	3691	3694
##	[892,]	3689	3708
##	[893,]	3690	3709
##	[894,]	3692	3709
##	[895,]	3707	3710
##	[896,]	3683	3723
##	[897,]	3730	3731
##	[898,]	3736	3737
##	[899,]	3746	3752
##	[900,]	3756	3757
##	[901,]	3756	3758
##	[902,]	3757	3758
##	[903,]	3762	3763
##	[904,]	3741	3766
##	[905,]	3769	3770
##	[906,]	3771	3772
##	[907,]	3773	3777
##	[908,]	3782	3783
##	[909,]	3784	3785
##	[910,]	3791	3792
##	[911,]	3796	3797
##	[912,]	3815	3816
##	[913,]	3818	3820
##	[914,]	3824	3832
##	[915,]	3834	3836
##	[916,]	3838	3840
##	[917,]	3838	3841
##	[918,]	3840	3841
##	[919,]	3847	3848
##	[920,]	3850	3851
##	[921,]	3854	3855
##	[922,]	3858	3859
##	[923,]	3861	3865
##	[924,]	3627	3886
##	[925,]	3903	3904
##	[926,]	3905	3906
##	[927,]	3879	3909
##	[928,]	3879	3910
##	[929,]	3909	3910
##	[930,]	3883	3921
##	[931,]	3907	3928
##	[932,]	3936	3937
##	[933,]	3960	3962
##	[934,]	3972	3973
##	[935,]	3972	3975
##	[936,]	3973	3975
##	[937,]	3979	3980
##	[938,]	3983	3984
##	[939,]	3987	3988
##	[940,]	3991	3992
##	[941,]	3991	3993



##	[942,]	3992	3993
##	[943,]	3994	3996
##	[944,]	4015	4016
##	[945,]	4032	4033
##	[946,]	4032	4034
##	[947,]	4033	4034
##	[948,]	4039	4040
##	[949,]	4055	4056
##	[950,]	4069	4071
##	[951,]	4069	4076
##	[952,]	4071	4076
##	[953,]	4069	4077
##	[954,]	4071	4077
##	[955,]	4076	4077
##	[956,]	4080	4081
##	[957,]	4057	4087
##	[958,]	4057	4088
##	[959,]	4087	4088
##	[960,]	4090	4092
##	[961,]	4099	4100
##	[962,]	4104	4108
##	[963,]	4110	4111
##	[964,]	4118	4119
##	[965,]	4115	4125
##	[966,]	4123	4127
##	[967,]	4136	4137
##	[968,]	4138	4139
##	[969,]	4141	4142
##	[970,]	4145	4146
##	[971,]	4145	4147
##	[972,]	4146	4147
##	[973,]	4148	4149
##	[974,]	4153	4154
##	[975,]	4156	4157
##	[976,]	4156	4158
##	[977,]	4157	4158
##	[978,]	4159	4160
##	[979,]	4129	4179
##	[980,]	4187	4190
##	[981,]	4131	4194
##	[982,]	4204	4205
##	[983,]	4150	4207
##	[984,]	4211	4212
##	[985,]	4219	4221
##	[986,]	4222	4223
##	[987,]	4232	4233
##	[988,]	4242	4243
##	[989,]	4248	4249
##	[990,]	4251	4252
##	[991,]	4255	4256
##	[992,]	4254	4262
##	[993,]	4265	4266
##	[994,]	4242	4267
##	[995,]	4243	4267

##	[996,]	4257	4270
##	[997,]	4271	4273
##	[998,]	3995	4301
##	[999,]	3995	4302
##	[1000,]	4301	4302
##	[1001,]	4068	4305
##	[1002,]	3987	4312
##	[1003,]	3988	4312
##	[1004,]	3987	4313
##	[1005,]	3988	4313
##	[1006,]	4312	4313
##	[1007,]	4050	4317
##	[1008,]	4355	4356
##	[1009,]	4364	4365
##	[1010,]	4394	4395
##	[1011,]	4397	4398
##	[1012,]	4400	4401
##	[1013,]	4403	4404
##	[1014,]	4412	4413
##	[1015,]	4423	4424
##	[1016,]	4426	4427
##	[1017,]	4431	4433
##	[1018,]	4434	4435
##	[1019,]	4437	4440
##	[1020,]	4445	4446
##	[1021,]	4450	4451
##	[1022,]	4450	4452
##	[1023,]	4451	4452
##	[1024,]	4459	4460
##	[1025,]	4449	4461
##	[1026,]	4464	4465
##	[1027,]	4483	4484
##	[1028,]	4483	4485
##	[1029,]	4484	4485
##	[1030,]	4479	4488
##	[1031,]	4487	4495
##	[1032,]	4501	4508
##	[1033,]	4510	4511
##	[1034,]	4487	4513
##	[1035,]	4495	4513
##	[1036,]	4519	4520
##	[1037,]	4498	4523
##	[1038,]	4527	4528
##	[1039,]	4531	4532
##	[1040,]	4529	4539
##	[1041,]	4529	4540
##	[1042,]	4539	4540
##	[1043,]	4529	4541
##	[1044,]	4539	4541
##	[1045,]	4540	4541
##	[1046,]	4544	4545
##	[1047,]	4546	4547
##	[1048,]	4548	4549
##	[1049,]	4553	4554

##	[1050,]	4561	4562
##	[1051,]	4563	4564
##	[1052,]	4571	4572
##	[1053,]	4574	4575
##	[1054,]	4574	4576
##	[1055,]	4575	4576
##	[1056,]	4574	4577
##	[1057,]	4575	4577
##	[1058,]	4576	4577
##	[1059,]	4578	4580
##	[1060,]	4582	4583
##	[1061,]	4591	4592
##	[1062,]	4573	4598
##	[1063,]	4573	4599
##	[1064,]	4598	4599
##	[1065,]	4602	4603
##	[1066,]	4610	4611
##	[1067,]	4616	4617
##	[1068,]	4619	4620
##	[1069,]	4629	4630
##	[1070,]	4635	4636
##	[1071,]	4640	4641
##	[1072,]	4642	4643
##	[1073,]	4650	4651
##	[1074,]	4499	4662
##	[1075,]	4655	4671
##	[1076,]	4418	4677
##	[1077,]	4393	4679
##	[1078,]	4393	4680
##	[1079,]	4679	4680
##	[1080,]	4654	4687
##	[1081,]	4697	4698
##	[1082,]	4702	4703
##	[1083,]	4363	4713
##	[1084,]	4362	4714
##	[1085,]	4731	4732
##	[1086,]	4731	4733
##	[1087,]	4732	4733
##	[1088,]	4753	4755
##	[1089,]	4759	4760
##	[1090,]	4771	4772
##	[1091,]	4771	4773
##	[1092,]	4772	4773
##	[1093,]	4775	4776
##	[1094,]	4800	4804
##	[1095,]	4800	4814
##	[1096,]	4804	4814
##	[1097,]	4797	4817
##	[1098,]	4821	4822
##	[1099,]	4823	4828
##	[1100,]	4826	4831
##	[1101,]	4838	4839
##	[1102,]	4852	4854
##	[1103,]	4856	4857

##	[1104,]	4858	4859
##	[1105,]	4871	4872
##	[1106,]	4879	4880
##	[1107,]	4883	4884
##	[1108,]	4887	4888
##	[1109,]	4892	4893
##	[1110,]	4908	4909
##	[1111,]	4910	4912
##	[1112,]	4915	4916
##	[1113,]	4915	4917
##	[1114,]	4916	4917
##	[1115,]	4915	4918
##	[1116,]	4916	4918
##	[1117,]	4917	4918
##	[1118,]	4939	4940
##	[1119,]	4925	4946
##	[1120,]	4948	4949
##	[1121,]	4951	4952
##	[1122,]	4951	4953
##	[1123,]	4952	4953
##	[1124,]	4955	4956
##	[1125,]	4957	4958
##	[1126,]	4935	4960
##	[1127,]	4961	4962
##	[1128,]	4964	4965
##	[1129,]	4966	4967
##	[1130,]	4974	4975
##	[1131,]	4974	4976
##	[1132,]	4975	4976
##	[1133,]	4833	4980
##	[1134,]	4921	4988
##	[1135,]	4933	4990
##	[1136,]	4933	4991
##	[1137,]	4990	4991
##	[1138,]	4933	4992
##	[1139,]	4990	4992
##	[1140,]	4991	4992
##	[1141,]	4993	4994
##	[1142,]	4966	4998
##	[1143,]	4967	4998
##	[1144,]	4966	4999
##	[1145,]	4967	4999
##	[1146,]	4998	4999
##	[1147,]	4966	5000
##	[1148,]	4967	5000
##	[1149,]	4998	5000
##	[1150,]	4999	5000
##	[1151,]	4968	5002
##	[1152,]	5005	5006
##	[1153,]	5011	5012
##	[1154,]	4996	5013
##	[1155,]	5016	5017
##	[1156,]	5018	5019
##	[1157,]	5021	5022

##	[1158,]	4997	5027
##	[1159,]	5031	5032
##	[1160,]	5033	5038
##	[1161,]	5030	5040
##	[1162,]	5043	5044
##	[1163,]	5046	5047
##	[1164,]	5051	5052
##	[1165,]	4881	5059
##	[1166,]	4800	5095
##	[1167,]	4804	5095
##	[1168,]	4814	5095
##	[1169,]	4798	5096
##	[1170,]	4798	5097
##	[1171,]	5096	5097
##	[1172,]	5101	5102
##	[1173,]	5065	5105
##	[1174,]	5108	5109
##	[1175,]	4782	5112
##	[1176,]	4781	5113
##	[1177,]	4781	5114
##	[1178,]	5113	5114
##	[1179,]	5117	5118
##	[1180,]	5120	5121
##	[1181,]	5053	5125
##	[1182,]	5126	5127
##	[1183,]	5106	5128
##	[1184,]	5129	5130
##	[1185,]	5106	5131
##	[1186,]	5128	5131
##	[1187,]	5133	5134
##	[1188,]	5135	5136
##	[1189,]	5104	5141
##	[1190,]	5085	5143
##	[1191,]	5164	5165
##	[1192,]	5170	5171
##	[1193,]	5170	5172
##	[1194,]	5171	5172
##	[1195,]	5178	5180
##	[1196,]	5186	5188
##	[1197,]	5202	5203
##	[1198,]	5237	5238
##	[1199,]	5240	5241
##	[1200,]	5244	5245
##	[1201,]	5250	5251
##	[1202,]	5253	5268
##	[1203,]	5276	5277
##	[1204,]	5285	5286
##	[1205,]	5283	5288
##	[1206,]	5278	5289
##	[1207,]	5290	5291
##	[1208,]	5278	5295
##	[1209,]	5289	5295
##	[1210,]	5296	5297
##	[1211,]	5299	5300

##	[1212,]	5305	5306
##	[1213,]	5310	5311
##	[1214,]	5314	5315
##	[1215,]	5301	5320
##	[1216,]	5329	5330
##	[1217,]	5333	5334
##	[1218,]	5329	5336
##	[1219,]	5330	5336
##	[1220,]	5329	5337
##	[1221,]	5330	5337
##	[1222,]	5336	5337
##	[1223,]	5339	5340
##	[1224,]	5358	5359
##	[1225,]	5361	5362
##	[1226,]	5361	5363
##	[1227,]	5362	5363
##	[1228,]	5361	5364
##	[1229,]	5362	5364
##	[1230,]	5363	5364
##	[1231,]	5226	5379
##	[1232,]	5380	5381
##	[1233,]	5393	5394
##	[1234,]	5415	5416
##	[1235,]	5430	5432
##	[1236,]	5434	5435
##	[1237,]	5436	5438
##	[1238,]	5442	5443
##	[1239,]	5383	5445
##	[1240,]	5383	5446
##	[1241,]	5445	5446
##	[1242,]	5441	5451
##	[1243,]	5198	5458
##	[1244,]	5198	5459
##	[1245,]	5458	5459
##	[1246,]	5450	5462
##	[1247,]	5467	5468
##	[1248,]	5467	5469
##	[1249,]	5468	5469
##	[1250,]	5470	5471
##	[1251,]	5474	5475
##	[1252,]	5393	5477
##	[1253,]	5394	5477
##	[1254,]	5397	5481
##	[1255,]	5482	5483
##	[1256,]	5431	5485
##	[1257,]	5498	5499
##	[1258,]	5498	5500
##	[1259,]	5499	5500
##	[1260,]	5509	5511
##	[1261,]	5503	5560
##	[1262,]	5568	5569
##	[1263,]	5580	5581
##	[1264,]	5579	5586
##	[1265,]	5591	5598

##	[1266,]	5599	5610
##	[1267,]	5611	5612
##	[1268,]	5626	5627
##	[1269,]	5628	5629
##	[1270,]	5632	5633
##	[1271,]	5637	5638
##	[1272,]	5650	5651
##	[1273,]	5654	5655
##	[1274,]	5672	5673
##	[1275,]	5676	5677
##	[1276,]	5680	5681
##	[1277,]	5685	5686
##	[1278,]	5688	5689
##	[1279,]	5698	5699
##	[1280,]	5703	5706
##	[1281,]	5721	5722
##	[1282,]	5715	5737
##	[1283,]	5752	5753
##	[1284,]	5715	5755
##	[1285,]	5737	5755
##	[1286,]	5762	5763
##	[1287,]	5765	5766
##	[1288,]	5765	5767
##	[1289,]	5766	5767
##	[1290,]	5530	5771
##	[1291,]	5510	5772
##	[1292,]	5508	5773
##	[1293,]	5512	5774
##	[1294,]	5510	5775
##	[1295,]	5772	5775
##	[1296,]	5510	5776
##	[1297,]	5772	5776
##	[1298,]	5775	5776
##	[1299,]	5498	5784
##	[1300,]	5499	5784
##	[1301,]	5500	5784
##	[1302,]	5498	5785
##	[1303,]	5499	5785
##	[1304,]	5500	5785
##	[1305,]	5784	5785
##	[1306,]	5495	5786
##	[1307,]	5494	5787
##	[1308,]	5493	5788
##	[1309,]	5492	5789
##	[1310,]	5489	5790
##	[1311,]	5793	5794
##	[1312,]	5803	5815
##	[1313,]	5830	5831
##	[1314,]	5832	5833
##	[1315,]	5848	5849
##	[1316,]	5848	5850
##	[1317,]	5849	5850
##	[1318,]	5851	5852
##	[1319,]	5834	5857

##	[1320,]	5858	5859
##	[1321,]	5845	5861
##	[1322,]	5793	5862
##	[1323,]	5794	5862
##	[1324,]	5802	5867
##	[1325,]	5878	5879
##	[1326,]	5876	5887
##	[1327,]	5874	5888
##	[1328,]	5873	5890
##	[1329,]	5896	5897
##	[1330,]	5900	5901
##	[1331,]	5894	5910
##	[1332,]	5911	5912
##	[1333,]	5920	5921
##	[1334,]	5945	5946
##	[1335,]	5950	5951
##	[1336,]	5958	5959
##	[1337,]	5963	5964
##	[1338,]	5966	5967
##	[1339,]	5938	5971
##	[1340,]	5974	5975
##	[1341,]	5943	5980
##	[1342,]	5943	5981
##	[1343,]	5980	5981
##	[1344,]	5986	5987
##	[1345,]	5989	5990
##	[1346,]	5992	5993
##	[1347,]	5991	5995
##	[1348,]	6007	6008
##	[1349,]	6012	6013
##	[1350,]	5996	6017
##	[1351,]	6018	6019
##	[1352,]	6028	6029
##	[1353,]	5922	6035
##	[1354,]	6038	6039
##	[1355,]	6040	6041
##	[1356,]	5817	6043
##	[1357,]	5824	6044
##	[1358,]	5820	6045
##	[1359,]	5817	6046
##	[1360,]	6043	6046
##	[1361,]	6048	6049
##	[1362,]	6081	6089
##	[1363,]	6106	6107
##	[1364,]	6108	6109
##	[1365,]	6110	6111
##	[1366,]	6121	6122
##	[1367,]	6123	6126
##	[1368,]	6125	6127
##	[1369,]	6104	6128
##	[1370,]	6137	6140
##	[1371,]	6102	6146
##	[1372,]	6105	6152
##	[1373,]	6101	6164



##	[1374,]	6153	6168
##	[1375,]	6138	6174
##	[1376,]	6196	6197
##	[1377,]	6200	6201
##	[1378,]	6204	6205
##	[1379,]	6209	6210
##	[1380,]	6211	6213
##	[1381,]	6217	6218
##	[1382,]	6221	6222
##	[1383,]	6230	6231
##	[1384,]	6234	6235
##	[1385,]	6214	6241
##	[1386,]	6246	6248
##	[1387,]	6246	6250
##	[1388,]	6248	6250
##	[1389,]	6246	6251
##	[1390,]	6248	6251
##	[1391,]	6250	6251
##	[1392,]	6252	6253
##	[1393,]	6217	6264
##	[1394,]	6218	6264
##	[1395,]	6217	6265
##	[1396,]	6218	6265
##	[1397,]	6264	6265
##	[1398,]	6266	6267
##	[1399,]	6266	6268
##	[1400,]	6267	6268
##	[1401,]	6237	6275
##	[1402,]	6237	6276
##	[1403,]	6275	6276
##	[1404,]	6238	6277
##	[1405,]	6238	6278
##	[1406,]	6277	6278
##	[1407,]	6285	6286
##	[1408,]	6285	6327
##	[1409,]	6286	6327
##	[1410,]	6057	6345
##	[1411,]	6057	6346
##	[1412,]	6345	6346
##	[1413,]	6056	6347
##	[1414,]	6365	6366
##	[1415,]	6380	6381
##	[1416,]	6388	6389
##	[1417,]	6365	6390
##	[1418,]	6366	6390
##	[1419,]	6393	6394
##	[1420,]	6396	6397
##	[1421,]	6398	6400
##	[1422,]	6398	6401
##	[1423,]	6400	6401
##	[1424,]	6403	6406
##	[1425,]	6403	6407
##	[1426,]	6406	6407
##	[1427,]	6409	6410

##	[1428,]	6411	6412
##	[1429,]	6411	6413
##	[1430,]	6412	6413
##	[1431,]	6416	6417
##	[1432,]	6411	6419
##	[1433,]	6412	6419
##	[1434,]	6413	6419
##	[1435,]	6411	6420
##	[1436,]	6412	6420
##	[1437,]	6413	6420
##	[1438,]	6419	6420
##	[1439,]	6411	6422
##	[1440,]	6412	6422
##	[1441,]	6413	6422
##	[1442,]	6419	6422
##	[1443,]	6420	6422
##	[1444,]	6426	6427
##	[1445,]	6421	6430
##	[1446,]	6443	6444
##	[1447,]	6443	6445
##	[1448,]	6444	6445
##	[1449,]	6446	6448
##	[1450,]	6454	6455
##	[1451,]	6464	6465
##	[1452,]	6462	6478
##	[1453,]	6462	6479
##	[1454,]	6478	6479
##	[1455,]	6483	6484
##	[1456,]	6468	6487
##	[1457,]	6469	6488
##	[1458,]	6489	6490
##	[1459,]	6495	6496
##	[1460,]	6503	6504
##	[1461,]	6508	6509
##	[1462,]	6515	6516
##	[1463,]	6545	6547
##	[1464,]	6558	6559
##	[1465,]	6561	6562
##	[1466,]	6571	6577
##	[1467,]	6532	6580
##	[1468,]	6585	6586
##	[1469,]	6585	6594
##	[1470,]	6586	6594
##	[1471,]	6602	6606
##	[1472,]	6605	6610
##	[1473,]	6603	6611
##	[1474,]	6619	6623
##	[1475,]	6624	6626
##	[1476,]	6643	6644
##	[1477,]	6643	6645
##	[1478,]	6644	6645
##	[1479,]	6665	6666
##	[1480,]	6665	6667
##	[1481,]	6666	6667

##	[1482,]	6674	6675
##	[1483,]	6674	6677
##	[1484,]	6675	6677
##	[1485,]	6663	6678
##	[1486,]	6663	6681
##	[1487,]	6678	6681
##	[1488,]	6682	6684
##	[1489,]	6688	6689
##	[1490,]	6679	6691
##	[1491,]	6695	6696
##	[1492,]	6695	6703
##	[1493,]	6696	6703
##	[1494,]	6695	6704
##	[1495,]	6696	6704
##	[1496,]	6703	6704
##	[1497,]	6721	6722
##	[1498,]	6723	6724
##	[1499,]	6716	6732
##	[1500,]	6745	6746
##	[1501,]	6585	6757
##	[1502,]	6586	6757
##	[1503,]	6594	6757
##	[1504,]	6760	6761
##	[1505,]	6766	6767
##	[1506,]	6773	6774
##	[1507,]	6753	6775
##	[1508,]	6782	6783
##	[1509,]	6806	6807
##	[1510,]	6790	6809
##	[1511,]	6834	6835
##	[1512,]	6828	6837
##	[1513,]	6842	6843
##	[1514,]	6840	6845
##	[1515,]	6855	6856
##	[1516,]	6860	6861
##	[1517,]	6864	6869
##	[1518,]	6864	6870
##	[1519,]	6869	6870
##	[1520,]	6851	6876
##	[1521,]	6877	6878
##	[1522,]	6877	6879
##	[1523,]	6878	6879
##	[1524,]	6880	6881
##	[1525,]	6868	6882
##	[1526,]	6873	6883
##	[1527,]	6890	6891
##	[1528,]	6897	6898
##	[1529,]	6901	6902
##	[1530,]	6918	6921
##	[1531,]	6917	6923
##	[1532,]	6918	6928
##	[1533,]	6921	6928
##	[1534,]	6930	6931
##	[1535,]	6930	6932

##	[1536,]	6931	6932
##	[1537,]	6943	6944
##	[1538,]	6940	6945
##	[1539,]	6947	6948
##	[1540,]	6954	6955
##	[1541,]	6956	6957
##	[1542,]	6954	6958
##	[1543,]	6955	6958
##	[1544,]	6954	6959
##	[1545,]	6955	6959
##	[1546,]	6958	6959
##	[1547,]	6960	6961
##	[1548,]	6960	6968
##	[1549,]	6961	6968
##	[1550,]	6960	6969
##	[1551,]	6961	6969
##	[1552,]	6968	6969
##	[1553,]	6960	6970
##	[1554,]	6961	6970
##	[1555,]	6968	6970
##	[1556,]	6969	6970
##	[1557,]	6971	6972
##	[1558,]	6971	6973
##	[1559,]	6972	6973
##	[1560,]	6956	6974
##	[1561,]	6957	6974
##	[1562,]	6978	6979
##	[1563,]	6954	6980
##	[1564,]	6955	6980
##	[1565,]	6958	6980
##	[1566,]	6959	6980
##	[1567,]	6954	6981
##	[1568,]	6955	6981
##	[1569,]	6958	6981
##	[1570,]	6959	6981
##	[1571,]	6980	6981
##	[1572,]	6976	6982
##	[1573,]	6976	6983
##	[1574,]	6982	6983
##	[1575,]	6871	6985
##	[1576,]	6989	6992
##	[1577,]	6995	6996
##	[1578,]	6999	7000
##	[1579,]	7008	7009
##	[1580,]	7019	7020
##	[1581,]	7034	7035
##	[1582,]	7036	7037
##	[1583,]	7045	7046
##	[1584,]	7047	7048
##	[1585,]	7066	7067
##	[1586,]	7032	7088
##	[1587,]	7047	7090
##	[1588,]	7048	7090
##	[1589,]	7095	7096

##	[1590,]	7082	7098
##	[1591,]	7065	7102
##	[1592,]	7065	7103
##	[1593,]	7102	7103
##	[1594,]	7065	7104
##	[1595,]	7102	7104
##	[1596,]	7103	7104
##	[1597,]	7101	7105
##	[1598,]	7108	7109
##	[1599,]	7111	7112
##	[1600,]	7031	7115
##	[1601,]	7119	7121
##	[1602,]	7122	7123
##	[1603,]	7133	7134
##	[1604,]	7133	7135
##	[1605,]	7134	7135
##	[1606,]	7138	7139
##	[1607,]	7141	7142
##	[1608,]	7078	7143
##	[1609,]	7157	7158
##	[1610,]	7163	7164
##	[1611,]	7168	7169
##	[1612,]	7181	7182
##	[1613,]	7184	7185
##	[1614,]	7155	7194
##	[1615,]	7179	7197
##	[1616,]	7159	7198
##	[1617,]	7210	7211
##	[1618,]	7212	7219
##	[1619,]	7223	7224
##	[1620,]	7223	7225
##	[1621,]	7224	7225
##	[1622,]	7227	7229
##	[1623,]	7232	7233
##	[1624,]	7236	7237
##	[1625,]	7243	7244
##	[1626,]	7242	7252
##	[1627,]	7263	7264
##	[1628,]	7266	7267
##	[1629,]	7271	7272
##	[1630,]	7271	7273
##	[1631,]	7272	7273
##	[1632,]	7271	7274
##	[1633,]	7272	7274
##	[1634,]	7273	7274
##	[1635,]	7271	7275
##	[1636,]	7272	7275
##	[1637,]	7273	7275
##	[1638,]	7274	7275
##	[1639,]	7279	7280
##	[1640,]	7281	7282
##	[1641,]	7292	7293
##	[1642,]	7300	7301
##	[1643,]	7302	7303

##	[1644,]	7300	7308
##	[1645,]	7301	7308
##	[1646,]	7317	7319
##	[1647,]	7315	7320
##	[1648,]	7315	7322
##	[1649,]	7320	7322
##	[1650,]	7325	7326
##	[1651,]	7310	7327
##	[1652,]	7287	7332
##	[1653,]	7314	7337
##	[1654,]	7338	7339
##	[1655,]	7304	7340
##	[1656,]	7368	7369
##	[1657,]	7363	7371
##	[1658,]	7386	7387
##	[1659,]	7405	7406
##	[1660,]	7423	7424
##	[1661,]	7407	7431
##	[1662,]	7439	7440
##	[1663,]	7441	7442
##	[1664,]	7392	7443
##	[1665,]	7453	7456
##	[1666,]	7454	7458
##	[1667,]	7459	7466
##	[1668,]	7410	7467
##	[1669,]	7436	7472
##	[1670,]	7441	7474
##	[1671,]	7442	7474
##	[1672,]	7473	7475
##	[1673,]	7395	7480
##	[1674,]	7479	7482
##	[1675,]	7483	7484
##	[1676,]	7410	7485
##	[1677,]	7467	7485
##	[1678,]	7489	7490
##	[1679,]	7492	7493
##	[1680,]	7492	7494
##	[1681,]	7493	7494
##	[1682,]	7492	7495
##	[1683,]	7493	7495
##	[1684,]	7494	7495
##	[1685,]	7497	7498
##	[1686,]	7499	7504
##	[1687,]	7513	7514
##	[1688,]	7515	7516
##	[1689,]	7517	7518
##	[1690,]	7524	7525
##	[1691,]	7526	7527
##	[1692,]	7404	7529
##	[1693,]	7546	7547
##	[1694,]	7545	7548
##	[1695,]	7549	7551
##	[1696,]	7550	7552
##	[1697,]	7545	7554

##	[1698,]	7548	7554
##	[1699,]	7561	7562
##	[1700,]	7546	7567
##	[1701,]	7547	7567
##	[1702,]	7535	7568
##	[1703,]	7561	7574
##	[1704,]	7562	7574
##	[1705,]	7561	7575
##	[1706,]	7562	7575
##	[1707,]	7574	7575
##	[1708,]	7561	7576
##	[1709,]	7562	7576
##	[1710,]	7574	7576
##	[1711,]	7575	7576
##	[1712,]	7579	7580
##	[1713,]	7583	7584
##	[1714,]	7595	7596
##	[1715,]	7595	7597
##	[1716,]	7596	7597
##	[1717,]	7599	7600
##	[1718,]	7602	7605
##	[1719,]	7590	7610
##	[1720,]	7611	7612
##	[1721,]	7616	7620
##	[1722,]	7616	7625
##	[1723,]	7620	7625
##	[1724,]	7635	7636
##	[1725,]	7650	7655
##	[1726,]	7661	7662
##	[1727,]	7665	7666
##	[1728,]	7670	7671
##	[1729,]	7674	7675
##	[1730,]	7668	7676
##	[1731,]	7685	7686
##	[1732,]	7685	7687
##	[1733,]	7686	7687
##	[1734,]	7694	7695
##	[1735,]	7714	7716
##	[1736,]	7718	7719
##	[1737,]	7722	7723
##	[1738,]	7743	7744
##	[1739,]	7747	7748
##	[1740,]	7751	7752
##	[1741,]	7731	7759
##	[1742,]	7760	7761
##	[1743,]	7764	7765
##	[1744,]	7763	7776
##	[1745,]	7788	7789
##	[1746,]	7788	7805
##	[1747,]	7789	7805
##	[1748,]	7790	7808
##	[1749,]	7819	7820
##	[1750,]	7811	7824
##	[1751,]	7828	7829

##	[1752,]	7837	7838
##	[1753,]	7837	7839
##	[1754,]	7838	7839
##	[1755,]	7837	7841
##	[1756,]	7838	7841
##	[1757,]	7839	7841
##	[1758,]	7844	7852
##	[1759,]	7856	7857
##	[1760,]	7860	7862
##	[1761,]	7860	7864
##	[1762,]	7862	7864
##	[1763,]	7865	7866
##	[1764,]	7863	7869
##	[1765,]	7877	7878
##	[1766,]	7887	7888
##	[1767,]	7890	7891
##	[1768,]	7901	7902
##	[1769,]	7905	7906
##	[1770,]	7916	7918
##	[1771,]	7934	7935
##	[1772,]	7938	7939
##	[1773,]	7946	7947
##	[1774,]	7943	7954
##	[1775,]	7943	7955
##	[1776,]	7954	7955
##	[1777,]	7940	7960
##	[1778,]	7941	7968
##	[1779,]	7977	7978
##	[1780,]	7992	7993
##	[1781,]	8018	8019
##	[1782,]	8006	8023
##	[1783,]	8028	8029
##	[1784,]	8043	8044
##	[1785,]	8045	8046
##	[1786,]	8050	8052
##	[1787,]	8054	8055
##	[1788,]	7990	8060
##	[1789,]	7990	8061
##	[1790,]	8060	8061
##	[1791,]	8035	8063
##	[1792,]	8075	8077
##	[1793,]	8083	8084
##	[1794,]	8091	8092
##	[1795,]	8094	8095
##	[1796,]	8098	8099
##	[1797,]	8102	8103
##	[1798,]	8109	8110
##	[1799,]	8108	8112
##	[1800,]	8114	8115
##	[1801,]	8108	8121
##	[1802,]	8112	8121
##	[1803,]	8131	8132
##	[1804,]	8134	8137
##	[1805,]	8139	8145



##	[1806,]	8143	8146
##	[1807,]	8148	8149
##	[1808,]	8148	8150
##	[1809,]	8149	8150
##	[1810,]	8155	8156
##	[1811,]	8164	8165
##	[1812,]	8140	8167
##	[1813,]	8140	8168
##	[1814,]	8167	8168
##	[1815,]	8161	8169
##	[1816,]	8180	8185
##	[1817,]	8200	8201
##	[1818,]	8202	8203
##	[1819,]	8207	8209
##	[1820,]	8218	8219
##	[1821,]	8235	8236
##	[1822,]	8239	8240
##	[1823,]	8243	8244
##	[1824,]	8245	8246
##	[1825,]	8248	8249
##	[1826,]	8141	8263
##	[1827,]	8265	8267
##	[1828,]	8265	8268
##	[1829,]	8267	8268
##	[1830,]	8265	8269
##	[1831,]	8267	8269
##	[1832,]	8268	8269
##	[1833,]	8270	8271
##	[1834,]	8278	8280
##	[1835,]	8281	8283
##	[1836,]	8297	8298
##	[1837,]	8303	8304
##	[1838,]	8307	8309
##	[1839,]	8211	8324
##	[1840,]	8313	8327
##	[1841,]	8313	8328
##	[1842,]	8327	8328
##	[1843,]	8332	8333
##	[1844,]	8342	8343
##	[1845,]	8342	8354
##	[1846,]	8343	8354
##	[1847,]	8360	8361
##	[1848,]	8364	8365
##	[1849,]	8348	8367
##	[1850,]	8371	8390
##	[1851,]	8375	8391
##	[1852,]	8395	8403
##	[1853,]	8404	8405
##	[1854,]	8404	8406
##	[1855,]	8405	8406
##	[1856,]	8409	8410
##	[1857,]	8418	8421
##	[1858,]	8437	8438
##	[1859,]	8432	8444

##	[1860,]	8433	8445
##	[1861,]	8455	8456
##	[1862,]	8450	8461
##	[1863,]	8450	8462
##	[1864,]	8461	8462
##	[1865,]	8422	8464
##	[1866,]	8424	8465
##	[1867,]	8491	8492
##	[1868,]	8508	8509
##	[1869,]	8512	8513
##	[1870,]	8514	8515
##	[1871,]	8493	8516
##	[1872,]	8490	8517
##	[1873,]	8533	8534
##	[1874,]	8536	8538
##	[1875,]	8530	8544
##	[1876,]	8570	8571
##	[1877,]	8572	8573
##	[1878,]	8577	8584
##	[1879,]	8585	8589
##	[1880,]	8597	8606
##	[1881,]	8604	8609
##	[1882,]	8615	8616
##	[1883,]	8605	8617
##	[1884,]	8625	8626
##	[1885,]	8631	8632
##	[1886,]	8646	8647
##	[1887,]	8639	8648
##	[1888,]	8653	8654
##	[1889,]	8667	8668
##	[1890,]	8669	8670
##	[1891,]	8674	8675
##	[1892,]	8696	8697
##	[1893,]	8702	8703
##	[1894,]	8705	8706
##	[1895,]	8727	8728
##	[1896,]	8711	8730
##	[1897,]	8708	8733
##	[1898,]	8708	8734
##	[1899,]	8733	8734
##	[1900,]	8735	8744
##	[1901,]	8749	8750
##	[1902,]	8748	8751
##	[1903,]	8748	8752
##	[1904,]	8751	8752
##	[1905,]	8748	8754
##	[1906,]	8751	8754
##	[1907,]	8752	8754
##	[1908,]	8759	8760
##	[1909,]	8759	8761
##	[1910,]	8760	8761
##	[1911,]	8767	8768
##	[1912,]	8776	8777
##	[1913,]	8778	8779

##	[1914,]	8771	8781
##	[1915,]	8785	8786
##	[1916,]	8775	8787
##	[1917,]	8788	8790
##	[1918,]	8735	8791
##	[1919,]	8744	8791
##	[1920,]	8802	8803
##	[1921,]	8802	8804
##	[1922,]	8803	8804
##	[1923,]	8800	8806
##	[1924,]	8810	8811
##	[1925,]	8812	8813
##	[1926,]	8812	8814
##	[1927,]	8813	8814
##	[1928,]	8800	8817
##	[1929,]	8806	8817
##	[1930,]	8818	8819
##	[1931,]	8783	8820
##	[1932,]	8823	8824
##	[1933,]	8825	8826
##	[1934,]	8809	8828
##	[1935,]	8836	8837
##	[1936,]	8846	8847
##	[1937,]	8846	8848
##	[1938,]	8847	8848
##	[1939,]	8856	8857
##	[1940,]	8864	8865
##	[1941,]	8875	8876
##	[1942,]	8875	8877
##	[1943,]	8876	8877
##	[1944,]	8889	8891
##	[1945,]	8905	8906
##	[1946,]	8879	8907
##	[1947,]	8908	8909
##	[1948,]	8908	8910
##	[1949,]	8909	8910
##	[1950,]	8911	8912
##	[1951,]	8923	8924
##	[1952,]	8890	8925
##	[1953,]	8883	8926
##	[1954,]	8930	8931
##	[1955,]	8938	8939
##	[1956,]	8940	8941
##	[1957,]	8945	8946
##	[1958,]	8950	8951
##	[1959,]	8950	8952
##	[1960,]	8951	8952
##	[1961,]	8953	8954
##	[1962,]	8962	8973
##	[1963,]	8974	8975
##	[1964,]	8989	8990
##	[1965,]	8993	8995
##	[1966,]	9000	9001
##	[1967,]	9003	9004

##	[1968,]	9006	9011
##	[1969,]	9006	9012
##	[1970,]	9011	9012
##	[1971,]	9017	9018
##	[1972,]	9020	9025
##	[1973,]	9031	9032
##	[1974,]	9033	9034
##	[1975,]	9033	9035
##	[1976,]	9034	9035
##	[1977,]	9037	9038
##	[1978,]	9051	9052
##	[1979,]	9054	9055
##	[1980,]	9063	9064
##	[1981,]	9047	9065
##	[1982,]	9070	9071
##	[1983,]	9073	9074
##	[1984,]	9076	9077
##	[1985,]	9084	9085
##	[1986,]	9104	9105
##	[1987,]	9113	9114
##	[1988,]	9111	9119
##	[1989,]	9128	9129
##	[1990,]	9128	9130
##	[1991,]	9129	9130
##	[1992,]	9128	9131
##	[1993,]	9129	9131
##	[1994,]	9130	9131
##	[1995,]	9132	9133
##	[1996,]	9058	9134
##	[1997,]	9137	9138
##	[1998,]	9142	9144
##	[1999,]	9142	9145
##	[2000,]	9144	9145
##	[2001,]	9150	9151
##	[2002,]	9173	9174
##	[2003,]	9176	9183
##	[2004,]	9185	9186
##	[2005,]	9192	9193
##	[2006,]	9173	9194
##	[2007,]	9174	9194
##	[2008,]	9195	9196
##	[2009,]	9176	9197
##	[2010,]	9183	9197
##	[2011,]	9182	9198
##	[2012,]	9176	9211
##	[2013,]	9183	9211
##	[2014,]	9197	9211
##	[2015,]	9175	9212
##	[2016,]	9175	9219
##	[2017,]	9212	9219
##	[2018,]	9250	9251
##	[2019,]	9255	9256
##	[2020,]	9264	9266
##	[2021,]	9276	9277

##	[2022,]	9282	9283
##	[2023,]	9288	9289
##	[2024,]	9296	9297
##	[2025,]	9306	9307
##	[2026,]	9310	9311
##	[2027,]	9316	9317
##	[2028,]	9326	9327
##	[2029,]	9374	9375
##	[2030,]	9376	9377
##	[2031,]	9394	9396
##	[2032,]	9416	9428
##	[2033,]	9433	9434
##	[2034,]	9436	9438
##	[2035,]	9444	9445
##	[2036,]	9449	9450
##	[2037,]	9441	9471
##	[2038,]	9446	9472
##	[2039,]	9404	9483
##	[2040,]	9401	9484
##	[2041,]	9485	9486
##	[2042,]	9405	9487
##	[2043,]	9405	9488
##	[2044,]	9487	9488
##	[2045,]	9405	9489
##	[2046,]	9487	9489
##	[2047,]	9488	9489
##	[2048,]	9406	9491
##	[2049,]	9495	9496
##	[2050,]	9500	9501
##	[2051,]	9504	9505
##	[2052,]	9507	9516
##	[2053,]	9504	9518
##	[2054,]	9505	9518
##	[2055,]	9504	9519
##	[2056,]	9505	9519
##	[2057,]	9518	9519
##	[2058,]	9504	9520
##	[2059,]	9505	9520
##	[2060,]	9518	9520
##	[2061,]	9519	9520
##	[2062,]	9444	9526
##	[2063,]	9445	9526
##	[2064,]	9527	9528
##	[2065,]	9535	9541
##	[2066,]	9535	9542
##	[2067,]	9541	9542
##	[2068,]	9538	9548
##	[2069,]	9536	9549
##	[2070,]	9555	9556
##	[2071,]	9557	9558
##	[2072,]	9554	9559
##	[2073,]	9551	9560
##	[2074,]	9572	9574
##	[2075,]	9581	9582

##	[2076,]	9594	9595
##	[2077,]	9594	9596
##	[2078,]	9595	9596
##	[2079,]	9612	9613
##	[2080,]	9615	9616
##	[2081,]	9615	9617
##	[2082,]	9616	9617
##	[2083,]	9624	9625
##	[2084,]	9631	9632
##	[2085,]	9641	9642
##	[2086,]	9644	9645
##	[2087,]	9658	9659
##	[2088,]	9661	9662
##	[2089,]	9675	9676
##	[2090,]	9679	9680
##	[2091,]	9669	9685
##	[2092,]	9704	9705
##	[2093,]	9687	9706
##	[2094,]	9711	9712
##	[2095,]	9715	9720
##	[2096,]	9732	9733
##	[2097,]	9742	9743
##	[2098,]	9725	9745
##	[2099,]	9725	9746
##	[2100,]	9745	9746
##	[2101,]	9752	9753
##	[2102,]	9755	9756
##	[2103,]	9755	9757
##	[2104,]	9756	9757
##	[2105,]	9773	9774
##	[2106,]	9775	9776
##	[2107,]	9787	9788
##	[2108,]	9790	9791
##	[2109,]	9792	9794
##	[2110,]	9770	9803
##	[2111,]	9771	9805
##	[2112,]	9771	9806
##	[2113,]	9805	9806
##	[2114,]	9772	9808
##	[2115,]	9742	9809
##	[2116,]	9743	9809
##	[2117,]	9731	9812
##	[2118,]	9729	9813
##	[2119,]	9735	9815
##	[2120,]	9807	9816
##	[2121,]	9796	9820
##	[2122,]	9825	9826
##	[2123,]	9830	9831
##	[2124,]	9832	9833
##	[2125,]	9834	9835
##	[2126,]	9857	9858
##	[2127,]	9841	9861
##	[2128,]	9862	9863
##	[2129,]	9865	9866

```
## [2130,] 9867 9868
## [2131,] 9854 9869
## [2132,] 9844 9870
## [2133,] 9875 9876
## [2134,] 9850 9878
## [2135,] 9885 9886
## [2136,] 9896 9897
## [2137,] 9902 9903
## [2138,] 9935 9936
## [2139,] 9929 9938
## [2140,] 9929 9939
## [2141,] 9938 9939
## [2142,] 9920 9944
## [2143,] 9948 9949
## [2144,] 9927 9961
## [2145,] 9925 9965
## [2146,] 9966 9967
## [2147,] 9960 9975
## [2148,] 9976 9977
## [2149,] 9978 9986
## [2150,] 9997 9998
## [2151,] 9925 10007
## [2152,] 9965 10007
## [2153,] 10008 10009
## [2154,] 10011 10012
## [2155,] 10014 10020
## [2156,] 10028 10029
## [2157,] 10049 10050
## [2158,] 10055 10056
## [2159,] 10055 10057
## [2160,] 10056 10057
## [2161,] 10062 10063
## [2162,] 10064 10065
## [2163,] 10062 10068
## [2164,] 10063 10068
## [2165,] 10085 10090
## [2166,] 10104 10105
## [2167,] 10107 10108
## [2168,] 10098 10109
## [2169,] 10114 10127
```

```
dat_sp <- dat_sp[dat_sp$OCSKGM30 != 0,]
```

```
# Ejecutamos estimacion del COS segun ecuacion de RLM Multiple y el kriging
# de los residuos para la parte continental del Ecuador.
```

```
start <- Sys.time()
OCS.krige <- autoKrige(formula = as.formula(modelo.MLR.step$call$formula),
  input_data = dat_sp,
  new_data = COV.sp,
  verbose = TRUE,
  block = c(1000, 1000),
  model = c("Sph", "Exp"))
```

```
## Warning in autoKrige(formula = as.formula(modelo.MLR.step$call$formula), :
```

## Removed 2169 duplicate observation(s) in input\_data:

##	coordinates	ID1	ID
## 3	(753711.4, 10141590)	837	CG4-P158_1.28_-78.72
## 3.1	(753711.4, 10141590)	837	CG4-P158_1.28_-78.72
## 4	(753711.4, 10141590)	10089	PN2-P267_1.28_-78.72
## 2	(753723.5, 10127210)	39	CG1-P021_1.15_-78.72
## 11	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 11.1	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 11.2	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12.1	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 13	(725898.1, 10116130)	1840	C02-P016_1.05_-78.97
## 11.3	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12.2	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 13.1	(725898.1, 10116130)	1840	C02-P016_1.05_-78.97
## 14	(725898.1, 10116130)	2001	C09-P038_1.05_-78.97
## 11.4	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12.3	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 13.2	(725898.1, 10116130)	1840	C02-P016_1.05_-78.97
## 14.1	(725898.1, 10116130)	2001	C09-P038_1.05_-78.97
## 15	(725898.1, 10116130)	8657	PM1-P076_1.05_-78.97
## 17	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 11.5	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12.4	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 13.3	(725898.1, 10116130)	1840	C02-P016_1.05_-78.97
## 14.2	(725898.1, 10116130)	2001	C09-P038_1.05_-78.97
## 15.1	(725898.1, 10116130)	8657	PM1-P076_1.05_-78.97
## 16	(725898.1, 10116130)	8659	PM1-P077_1.05_-78.97
## 17.1	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 17.2	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.1	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 17.3	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.2	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.1	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 17.4	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.3	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.2	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.1	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 17.5	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.4	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.3	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.2	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.1	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 17.6	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.5	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.4	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.3	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.2	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07



## 24.1	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 17.7	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.6	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.5	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.4	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.3	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.2	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.1	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 17.8	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.7	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.6	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.5	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.4	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.3	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.2	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.1	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 17.9	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.8	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.7	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.6	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.5	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.4	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.3	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.2	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.1	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 17.10	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.9	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.8	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.7	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.6	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.5	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.4	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.3	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.2	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.1	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 17.11	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.10	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.9	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.8	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.7	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.6	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.5	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.4	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.3	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.2	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.1	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 17.12	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.11	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07

## 21.10	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.9	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.8	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.7	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.6	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.5	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.4	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.3	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.2	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.1	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 17.13	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.12	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.11	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.10	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.9	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.8	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.7	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.6	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.5	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.4	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.3	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.2	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.1	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 17.14	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.13	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.12	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.11	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.10	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.9	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.8	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.7	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.6	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.5	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.4	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.3	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.2	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.1	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 17.15	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.14	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.13	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.12	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.11	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.10	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.9	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.8	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.7	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.6	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.5	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.4	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.3	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.2	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07

## 33.1	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 17.16	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.15	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.14	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.13	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.12	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.11	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.10	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.9	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.8	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.7	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.6	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.5	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.4	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.3	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.2	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.1	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 17.17	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.16	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.15	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.14	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.13	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.12	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.11	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.10	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.9	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.8	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.7	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.6	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.5	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.4	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.3	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.2	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.1	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 36	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 17.18	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.17	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.16	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.15	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.14	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.13	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.12	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.11	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.10	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.9	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.8	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.7	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.6	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.5	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.4	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.3	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.2	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07

## 36.1	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 37	(714765.7, 10116120)	10050	PN2-P234_1.05_-79.07
## 17.19	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.18	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.17	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.16	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.15	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.14	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.13	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.12	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.11	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.10	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.9	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.8	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.7	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.6	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.5	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.4	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.3	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 36.2	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 37.1	(714765.7, 10116120)	10050	PN2-P234_1.05_-79.07
## 38	(714765.7, 10116120)	10051	PN2-P235_1.05_-79.07
## 17.20	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.19	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.18	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.17	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.16	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.15	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.14	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.13	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.12	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.11	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.10	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.9	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.8	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.7	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.6	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.5	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.4	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 36.3	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 37.2	(714765.7, 10116120)	10050	PN2-P234_1.05_-79.07
## 38.1	(714765.7, 10116120)	10051	PN2-P235_1.05_-79.07
## 39	(714765.7, 10116120)	10054	PN2-P236_1.05_-79.07
## 17.21	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.20	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.19	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.18	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.17	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.16	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.15	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.14	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.13	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.12	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.11	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07

## 30.10	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.9	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.8	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.7	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.6	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.5	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 36.4	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 37.3	(714765.7, 10116120)	10050	PN2-P234_1.05_-79.07
## 38.2	(714765.7, 10116120)	10051	PN2-P235_1.05_-79.07
## 39.1	(714765.7, 10116120)	10054	PN2-P236_1.05_-79.07
## 41	(714765.7, 10116120)	10090	PN2-P268_1.05_-79.07
## 10	(748159.1, 10123890)	31	CG1-P015_1.12_-78.77
## 50	(757068.2, 10121680)	10534	PN4-P234_1.1_-78.69
## 51	(755953.9, 10122790)	10536	PN4-P236_1.11_-78.7
## 58	(759292.5, 10125000)	10833	PN5-P272_1.13_-78.67
## 44	(733686.5, 10122770)	10268	PN3-P167_1.11_-78.9
## 49	(732577, 10117240)	10521	PN4-P226_1.06_-78.91
## 9	(702520.3, 10117220)	13	PN8-P268_1.06_-79.18
## 58.1	(759292.5, 10125000)	10833	PN5-P272_1.13_-78.67
## 59	(759292.5, 10125000)	11317	PN7-P272_1.13_-78.67
## 74	(701416.7, 10099530)	30	CG1-P015_0.9_-79.19
## 76	(723674.3, 10111700)	41	CG1-P022_1.01_-78.99
## 88	(731469.5, 10108390)	10299	PN3-P204_0.98_-78.92
## 83	(732582.1, 10109500)	10098	PN2-P274_0.99_-78.91
## 89	(716996.8, 10108380)	10300	PN3-P204_0.98_-79.05
## 79	(712544.5, 10107270)	10085	PN2-P263_0.97_-79.09
## 76.1	(723674.3, 10111700)	41	CG1-P022_1.01_-78.99
## 77	(723674.3, 10111700)	174	CG1-P147_1.01_-78.99
## 73	(737040.3, 10101760)	26	CG1-P013_0.92_-78.87
## 72	(734812.9, 10102860)	24	CG1-P012_0.93_-78.89
## 71	(733696.8, 10107290)	22	CG1-P011_0.97_-78.9
## 96	(741487.5, 10111720)	10538	PN4-P238_1.01_-78.83
## 74.1	(701416.7, 10099530)	30	CG1-P015_0.9_-79.19
## 75	(701416.7, 10099530)	38	CG1-P021_0.9_-79.19
## 104	(652440.5, 10105030)	10815	PN5-P258_0.95_-79.63
## 119	(619061, 10082910)	81	CG1-P056_0.75_-79.93
## 129	(841745.7, 10088550)	9235	PM3-P221_0.8_-77.93
## 128	(868490.8, 10088570)	9234	PM3-P220_0.8_-77.69
## 122	(856230.1, 10090780)	1103	CG5-P187_0.82_-77.8
## 142	(654669.3, 10097300)	9828	PN1-P263_0.88_-79.61
## 150	(680273.4, 10085140)	10262	PN3-P163_0.77_-79.38
## 121	(675818.1, 10092880)	721	CG4-P041_0.84_-79.42
## 167	(678046.4, 10087350)	10795	PN5-P242_0.79_-79.4
## 121.1	(675818.1, 10092880)	721	CG4-P041_0.84_-79.42
## 154	(675818.1, 10092880)	10267	PN3-P167_0.84_-79.42
## 142.1	(654669.3, 10097300)	9828	PN1-P263_0.88_-79.61
## 146	(654669.3, 10097300)	10084	PN2-P263_0.88_-79.61
## 119.1	(619061, 10082910)	81	CG1-P056_0.75_-79.93
## 120	(619061, 10082910)	158	CG1-P132_0.75_-79.93
## 177	(738158.1, 10094020)	11009	PN6-P176_0.85_-78.86
## 174	(655786.6, 10085130)	10814	PN5-P257_0.77_-79.6
## 175	(610158.1, 10084020)	10818	PN5-P261_0.76_-80.01
## 176	(630186.9, 10092860)	10823	PN5-P265_0.84_-79.83
## 135	(789385.4, 10090730)	9597	PM6-P031_0.82_-78.4

## 169	(683609.6, 10092880)	10797	PN5-P243_0.84_-79.35
## 196	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 196.1	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 197	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 196.2	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 197.1	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 198	(632416.1, 10080700)	259	CG2-P012_0.73_-79.81
## 196.3	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 197.2	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 198.1	(632416.1, 10080700)	259	CG2-P012_0.73_-79.81
## 199	(632416.1, 10080700)	262	CG2-P013_0.73_-79.81
## 196.4	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 197.3	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 198.2	(632416.1, 10080700)	259	CG2-P012_0.73_-79.81
## 199.1	(632416.1, 10080700)	262	CG2-P013_0.73_-79.81
## 200	(632416.1, 10080700)	263	CG2-P014_0.73_-79.81
## 195	(619061.6, 10080700)	79	CG1-P055_0.73_-79.93
## 206	(874077.3, 10069750)	7324	CSp-OII_C2-82-0003_0.63_-77.64
## 208	(868504.4, 10069750)	7332	CSp-OII_C2-85-0001_0.63_-77.69
## 213	(878536.5, 10068650)	7339	CSp-OII_C2-85-0008_0.62_-77.6
## 213.1	(878536.5, 10068650)	7339	CSp-OII_C2-85-0008_0.62_-77.6
## 214	(878536.5, 10068650)	7342	CSp-OII_C2-89-0003_0.62_-77.6
## 213.2	(878536.5, 10068650)	7339	CSp-OII_C2-85-0008_0.62_-77.6
## 214.1	(878536.5, 10068650)	7342	CSp-OII_C2-89-0003_0.62_-77.6
## 215	(878536.5, 10068650)	7343	CSp-OII_C2-89-0004_0.62_-77.6
## 217	(877421.9, 10068650)	7347	CSp-OII_C2-99-0001_0.62_-77.61
## 217.1	(877421.9, 10068650)	7347	CSp-OII_C2-99-0001_0.62_-77.61
## 218	(877421.9, 10068650)	7348	CSp-OII_C2-99-0002_0.62_-77.61
## 231	(835071.4, 10071940)	9228	PM3-P214_0.65_-77.99
## 242	(857351.2, 10081920)	9548	PM5-P074_0.74_-77.79
## 250	(868498.4, 10078610)	9808	PN1-P220_0.71_-77.69
## 223	(847329.2, 10070840)	8794	PM1-P214_0.64_-77.88
## 238	(603483.3, 10074060)	9317	PM4-P076_0.67_-80.07
## 246	(829501, 10070830)	9714	PN1-P097_0.64_-78.04
## 246.1	(829501, 10070830)	9714	PN1-P097_0.64_-78.04
## 260	(829501, 10070830)	10062	PN2-P245_0.64_-78.04
## 282	(869616.8, 10073070)	10481	PN4-P189_0.66_-77.68
## 284	(662468.4, 10072970)	10509	PN4-P216_0.66_-79.54
## 196.5	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 197.4	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 198.3	(632416.1, 10080700)	259	CG2-P012_0.73_-79.81
## 199.2	(632416.1, 10080700)	262	CG2-P013_0.73_-79.81
## 200.1	(632416.1, 10080700)	263	CG2-P014_0.73_-79.81
## 201	(632416.1, 10080700)	265	CG2-P015_0.73_-79.81
## 195.1	(619061.6, 10080700)	79	CG1-P055_0.73_-79.93
## 202	(619061.6, 10080700)	1161	CG6-P054_0.73_-79.93
## 238.1	(603483.3, 10074060)	9317	PM4-P076_0.67_-80.07
## 254	(603483.3, 10074060)	10015	PN2-P206_0.67_-80.07
## 296	(605709.3, 10071850)	10828	PN5-P269_0.65_-80.05
## 237	(601257.6, 10074060)	9310	PM4-P070_0.67_-80.09
## 296.1	(605709.3, 10071850)	10828	PN5-P269_0.65_-80.05
## 297	(605709.3, 10071850)	10830	PN5-P270_0.65_-80.05
## 275	(836182.2, 10077480)	10470	PN4-P177_0.7_-77.98
## 296.2	(605709.3, 10071850)	10828	PN5-P269_0.65_-80.05

## 297.1	(605709.3, 10071850)	10830	PN5-P270_0.65_-80.05
## 299	(605709.3, 10071850)	10884	PN6-P050_0.65_-80.05
## 237.1	(601257.6, 10074060)	9310	PM4-P070_0.67_-80.09
## 298	(601257.6, 10074060)	10832	PN5-P271_0.67_-80.09
## 292	(613499.7, 10069650)	10817	PN5-P260_0.63_-79.98
## 195.2	(619061.6, 10080700)	79	CG1-P055_0.73_-79.93
## 202.1	(619061.6, 10080700)	1161	CG6-P054_0.73_-79.93
## 293	(619061.6, 10080700)	10821	PN5-P264_0.73_-79.93
## 317	(683622.3, 10055290)	500	CG3-P034_0.5_-79.35
## 316	(660243.9, 10067440)	78	CG1-P055_0.61_-79.56
## 322	(819476.8, 10065300)	1434	CL5-P063_0.59_-78.13
## 324	(887459, 10060900)	7327	CSp-OII_C2-82-0006_0.55_-77.52
## 329	(833964.9, 10057560)	8785	PM1-P205_0.52_-78
## 337	(852906.2, 10061990)	9223	PM3-P209_0.56_-77.83
## 355	(858476.5, 10065320)	9802	PN1-P214_0.59_-77.78
## 322.1	(819476.8, 10065300)	1434	CL5-P063_0.59_-78.13
## 323	(819476.8, 10065300)	1482	CL6-P036_0.59_-78.13
## 320	(662473.2, 10054180)	1101	CG5-P185_0.49_-79.54
## 317.1	(683622.3, 10055290)	500	CG3-P034_0.5_-79.35
## 318	(683622.3, 10055290)	502	CG3-P036_0.5_-79.35
## 319	(672491.1, 10054180)	504	CG3-P037_0.49_-79.45
## 317.2	(683622.3, 10055290)	500	CG3-P034_0.5_-79.35
## 318.1	(683622.3, 10055290)	502	CG3-P036_0.5_-79.35
## 375	(683622.3, 10055290)	10500	PN4-P208_0.5_-79.35
## 393	(816137.8, 10058650)	11543	PN8-P202_0.53_-78.16
## 316.1	(660243.9, 10067440)	78	CG1-P055_0.61_-79.56
## 321	(660243.9, 10067440)	1160	CG6-P054_0.61_-79.56
## 381	(661359.9, 10055280)	10812	PN5-P255_0.5_-79.55
## 399	(616843.1, 10038690)	246	CG2-P003_0.35_-79.95
## 399.1	(616843.1, 10038690)	246	CG2-P003_0.35_-79.95
## 400	(616843.1, 10038690)	248	CG2-P004_0.35_-79.95
## 402	(849571.5, 10043170)	1106	CG5-P189_0.39_-77.86
## 408	(841772.5, 10038740)	7360	CSp-OII_C3-01-0006_0.35_-77.93
## 408.1	(841772.5, 10038740)	7360	CSp-OII_C3-01-0006_0.35_-77.93
## 409	(841772.5, 10038740)	7361	CSp-OII_C3-01-0008_0.35_-77.93
## 417	(840655.8, 10045380)	7370	CSp-OII_C3-01-0029_0.41_-77.94
## 411	(840656.2, 10044280)	7363	CSp-OII_C3-01-0022_0.4_-77.94
## 408.2	(841772.5, 10038740)	7360	CSp-OII_C3-01-0006_0.35_-77.93
## 409.1	(841772.5, 10038740)	7361	CSp-OII_C3-01-0008_0.35_-77.93
## 410	(841772.5, 10038740)	7362	CSp-OII_C3-01-0009_0.35_-77.93
## 431	(838428.4, 10042060)	7386	CSp-OII_C3-02-0024_0.38_-77.96
## 435	(840657.8, 10039850)	7390	CSp-OII_C3-02-0028_0.36_-77.94
## 433	(838428, 10043170)	7388	CSp-OII_C3-02-0026_0.39_-77.96
## 427	(837315.2, 10038740)	7382	CSp-OII_C3-02-0020_0.35_-77.97
## 447	(883004.8, 10052040)	7406	CSp-OII_C4-85-0010_0.47_-77.56
## 449	(885234.3, 10052040)	7408	CSp-OII_C4-85-0012_0.47_-77.54
## 465	(821714.2, 10044270)	9003	PM2-P198_0.4_-78.11
## 470	(849570.7, 10045390)	9216	PM3-P202_0.41_-77.86
## 460	(842884, 10046490)	8783	PM1-P203_0.42_-77.92
## 479	(840654.9, 10047600)	9534	PM5-P060_0.43_-77.94
## 402.1	(849571.5, 10043170)	1106	CG5-P189_0.39_-77.86
## 403	(849571.5, 10043170)	1159	CG6-P054_0.39_-77.86
## 502	(811688.4, 10040950)	10217	PN3-P117_0.37_-78.2
## 502.1	(811688.4, 10040950)	10217	PN3-P117_0.37_-78.2

## 503	(811688.4, 10040950)	10218	PN3-P118_0.37_-78.2
## 497	(696981.6, 10051970)	10047	PN2-P233_0.47_-79.23
## 514	(823944, 10039840)	10781	PN5-P229_0.36_-78.09
## 507	(695868.1, 10053080)	10496	PN4-P204_0.48_-79.24
## 399.2	(616843.1, 10038690)	246	CG2-P003_0.35_-79.95
## 400.1	(616843.1, 10038690)	248	CG2-P004_0.35_-79.95
## 401	(616843.1, 10038690)	250	CG2-P005_0.35_-79.95
## 497.1	(696981.6, 10051970)	10047	PN2-P233_0.47_-79.23
## 508	(696981.6, 10051970)	10497	PN4-P205_0.47_-79.23
## 495	(704774.8, 10050870)	10041	PN2-P230_0.46_-79.16
## 572	(893047.3, 10027690)	7457	CSp-OII_F1-82-0021_0.25_-77.47
## 574	(893047.6, 10026580)	7459	CSp-OII_F1-82-0023_0.24_-77.47
## 574.1	(893047.6, 10026580)	7459	CSp-OII_F1-82-0023_0.24_-77.47
## 575	(893047.6, 10026580)	7460	CSp-OII_F1-82-0024_0.24_-77.47
## 579	(893045.3, 10034330)	7470	CSp-OII_F1-86-0014_0.31_-77.47
## 579.1	(893045.3, 10034330)	7470	CSp-OII_F1-86-0014_0.31_-77.47
## 582	(893045.3, 10034330)	7474	CSp-OII_F1-99-0012_0.31_-77.47
## 586	(894161.6, 10029900)	7478	CSp-OII_F1-99-0019_0.27_-77.46
## 572.1	(893047.3, 10027690)	7457	CSp-OII_F1-82-0021_0.25_-77.47
## 573	(893047.3, 10027690)	7458	CSp-OII_F1-82-0022_0.25_-77.47
## 599	(1025812, 10028840)	8415	CSp-PII_F1-83-0016_0.26_-76.28
## 612	(806122.3, 10024340)	9010	PM2-P206_0.22_-78.25
## 617	(713685.3, 10033180)	9167	PM3-P150_0.3_-79.08
## 616	(822831.2, 10035420)	9014	PM2-P210_0.32_-78.1
## 641	(809462.4, 10033200)	9716	PN1-P114_0.3_-78.22
## 662	(809464.2, 10025450)	10778	PN5-P226_0.23_-78.22
## 668	(745976.8, 10027650)	11013	PN6-P182_0.25_-78.79
## 678	(720367, 10024330)	11494	PN8-P154_0.22_-79.02
## 677	(673607.8, 10035380)	11346	PN7-P292_0.32_-79.44
## 647	(669156.6, 10025430)	10060	PN2-P244_0.23_-79.48
## 700	(617957.8, 10017690)	687	CG4-P0016_0.16_-79.94
## 704	(908658.1, 10022150)	7461	CSp-OII_F1-82-0025_0.2_-77.33
## 709	(919809.4, 10021050)	7482	CSp-OII_F2-81-0033_0.19_-77.23
## 732	(926502.1, 10013290)	7556	CSp-OII_F4-83-0019_0.12_-77.17
## 806	(729275.2, 10018800)	9948	PN2-P141_0.17_-78.94
## 700.1	(617957.8, 10017690)	687	CG4-P0016_0.16_-79.94
## 701	(617957.8, 10017690)	697	CG4-P015_0.16_-79.94
## 851	(801667.2, 10017700)	11022	PN6-P191_0.16_-78.29
## 859	(665818.3, 10011060)	11303	PN7-P263_0.1_-79.51
## 887	(910890.4, 10006650)	7492	CSp-OII_F3-81-0022_0.06_-77.31
## 894	(909775.6, 10001110)	7503	CSp-OII_F3-82-0031_0.01_-77.32
## 896	(909775.5, 10004430)	7505	CSp-OII_F3-85-0016_0.04_-77.32
## 899	(916465.8, 10008860)	7515	CSp-OII_F3-85-0030_0.08_-77.26
## 901	(914235.9, 10002220)	7519	CSp-OII_F3-86-0015_0.02_-77.28
## 910	(913120.8, 10003320)	7531	CSp-OII_F3-89-0027_0.03_-77.29
## 894.1	(909775.6, 10001110)	7503	CSp-OII_F3-82-0031_0.01_-77.32
## 900	(909775.6, 10001110)	7518	CSp-OII_F3-85-0034_0.01_-77.32
## 917	(922042.1, 10002220)	7548	CSp-OII_F4-83-0010_0.02_-77.21
## 926	(918696.1, 10008860)	7570	CSp-OII_F4-95-0022_0.08_-77.24
## 892	(917581.2, 10005540)	7501	CSp-OII_F3-82-0029_0.05_-77.25
## 945	(906430.4, 9996677)	7620	CSp-OIII_B1-89-0001_-0.03_-77.35
## 937	(905315.3, 9994462)	7612	CSp-OIII_B1-83-0001_-0.05_-77.36
## 908	(904200.4, 1e+07)	7528	CSp-OII_F3-86-0030_0_-77.37
## 958	(926502.9, 9995569)	7644	CSp-OIII_B2-89-0013_-0.04_-77.17



## 971	(992327, 10005540)	8412	CSp-PII_E4-91-0031_0.05_-76.58
## 985	(750433.3, 10007740)	8734	PM1-P153_0.07_-78.75
## 1019	(777162.5, 9997787)	9387	PM4-P148_-0.02_-78.51
## 1039	(749319.8, 9996682)	9742	PN1-P150_-0.03_-78.76
## 1017	(776048.7, 10001110)	9385	PM4-P146_0.01_-78.52
## 1097	(711461.3, 10006640)	11202	PN7-P164_0.06_-79.1
## 1135	(728161.8, 9982304)	2009	CSp-?III_A1-84-0015_-0.16_-78.95
## 1135.1	(728161.8, 9982304)	2009	CSp-?III_A1-84-0015_-0.16_-78.95
## 1136	(728161.8, 9982304)	2010	CSp-?III_A1-84-0016_-0.16_-78.95
## 1139	(738183.5, 9984515)	2013	CSp-?III_A1-84-0024_-0.14_-78.86
## 1139.1	(738183.5, 9984515)	2013	CSp-?III_A1-84-0024_-0.14_-78.86
## 1140	(738183.5, 9984515)	2014	CSp-?III_A1-84-0025_-0.14_-78.86
## 1145	(723708.3, 9985622)	2021	CSp-?III_A1-89-0019_-0.13_-78.99
## 1143	(725935.3, 9986728)	2019	CSp-?III_A1-89-0017_-0.12_-78.97
## 1145.1	(723708.3, 9985622)	2021	CSp-?III_A1-89-0019_-0.13_-78.99
## 1146	(723708.3, 9985622)	2022	CSp-?III_A1-89-0020_-0.13_-78.99
## 1138	(724821.7, 9984516)	2012	CSp-?III_A1-84-0018_-0.14_-78.98
## 1167	(879672.8, 9988927)	7587	CSp-0III_A2-86-0015_-0.1_-77.59
## 1173	(897510, 9988925)	7623	CSp-0III_B1-89-0007_-0.1_-77.43
## 1175	(907545, 9990032)	7630	CSp-0III_B1-95-0001_-0.09_-77.34
## 1178	(905315.1, 9992247)	7635	CSp-0III_B1-95-0006_-0.07_-77.36
## 1217	(596812.9, 9991157)	9678	PN1-P058_-0.08_-80.13
## 1211	(631313.6, 9988945)	9240	PM3-P226_-0.1_-79.82
## 1131	(787186.5, 9986723)	1171	CG6-P064_-0.12_-78.42
## 1250	(591248.5, 9990051)	10160	PN3-P060_-0.09_-80.18
## 1253	(585684.1, 9984524)	10164	PN3-P064_-0.14_-80.23
## 1268	(793870.3, 9991148)	10426	PN4-P133_-0.08_-78.36
## 1248	(656913, 9981204)	10038	PN2-P227_-0.17_-79.59
## 1249	(663591.5, 9980098)	10040	PN2-P229_-0.18_-79.53
## 1216	(603490.1, 9986735)	9590	PM6-P025_-0.12_-80.07
## 1216.1	(603490.1, 9986735)	9590	PM6-P025_-0.12_-80.07
## 1280	(603490.1, 9986735)	11334	PN7-P283_-0.12_-80.07
## 1266	(802782.3, 9993361)	10422	PN4-P129_-0.06_-78.28
## 1293	(732613.2, 9965713)	2036	CSp-?III_A3-83-0051_-0.31_-78.91
## 1295	(747090.7, 9974559)	2038	CSp-?III_A3-83-0054_-0.23_-78.78
## 1295.1	(747090.7, 9974559)	2038	CSp-?III_A3-83-0054_-0.23_-78.78
## 1296	(747090.7, 9974559)	2039	CSp-?III_A3-83-0055_-0.23_-78.78
## 1305	(734841.4, 9972349)	2055	CSp-?III_A3-89-0023_-0.25_-78.89
## 1308	(747090.3, 9972347)	2058	CSp-?III_A3-89-0026_-0.25_-78.78
## 1308.1	(747090.3, 9972347)	2058	CSp-?III_A3-89-0026_-0.25_-78.78
## 1309	(747090.3, 9972347)	2059	CSp-?III_A3-89-0027_-0.25_-78.78
## 1311	(743749.6, 9972347)	2061	CSp-?III_A3-89-0029_-0.25_-78.81
## 1315	(745975.7, 9966816)	2068	CSp-?III_A3-89-0036_-0.3_-78.79
## 1315.1	(745975.7, 9966816)	2068	CSp-?III_A3-89-0036_-0.3_-78.79
## 1316	(745975.7, 9966816)	2069	CSp-?III_A3-89-0037_-0.3_-78.79
## 1318	(734841.7, 9974561)	2071	CSp-?III_A3-97-0025_-0.23_-78.89
## 1320	(733728.4, 9975667)	2073	CSp-?III_A3-97-0028_-0.22_-78.9
## 1315.2	(745975.7, 9966816)	2068	CSp-?III_A3-89-0036_-0.3_-78.79
## 1316.1	(745975.7, 9966816)	2069	CSp-?III_A3-89-0037_-0.3_-78.79
## 1317	(745975.7, 9966816)	2070	CSp-?III_A3-89-0038_-0.3_-78.79
## 1327	(744861.9, 9965710)	2082	CSp-?III_A3-97-0037_-0.31_-78.8
## 1341	(721480.1, 9973457)	2118	CSp-NIII_B4-83-0057_-0.24_-79.01
## 1345	(720366, 9969033)	2122	CSp-NIII_B4-83-0061_-0.28_-79.02
## 1350	(712572.1, 9967928)	2130	CSp-NIII_B4-84-0001_-0.29_-79.09

## 1408	(782729.8, 9976766)	9144	PM3-P123_-0.21_-78.46
## 1438	(582344.9, 9971260)	9690	PN1-P071_-0.26_-80.26
## 1443	(584570.6, 9971260)	9887	PN2-P059_-0.26_-80.24
## 1443.1	(584570.6, 9971260)	9887	PN2-P059_-0.26_-80.24
## 1444	(584570.6, 9971260)	9888	PN2-P060_-0.26_-80.24
## 1290	(591247.4, 9966838)	690	CG4-P005_-0.3_-80.18
## 1465	(627974, 9976784)	10784	PN5-P232_-0.21_-79.85
## 1474	(782729.4, 9974553)	10941	PN6-P109_-0.23_-78.46
## 1474.1	(782729.4, 9974553)	10941	PN6-P109_-0.23_-78.46
## 1475	(782729.4, 9974553)	10942	PN6-P110_-0.23_-78.46
## 1485	(801664.8, 9969017)	11172	PN7-P134_-0.28_-78.29
## 1503	(672496.3, 9977886)	11283	PN7-P244_-0.2_-79.45
## 1506	(652459.4, 9967937)	11286	PN7-P247_-0.29_-79.63
## 1509	(769363.7, 9973449)	11462	PN8-P121_-0.24_-78.58
## 1533	(723705.4, 9964608)	2047	CSp-?III_A3-84-0032_-0.32_-78.99
## 1533.1	(723705.4, 9964608)	2047	CSp-?III_A3-84-0032_-0.32_-78.99
## 1534	(723705.4, 9964608)	2067	CSp-?III_A3-89-0035_-0.32_-78.99
## 1533.2	(723705.4, 9964608)	2047	CSp-?III_A3-84-0032_-0.32_-78.99
## 1534.1	(723705.4, 9964608)	2067	CSp-?III_A3-89-0035_-0.32_-78.99
## 1537	(723705.4, 9964608)	2088	CSp-?III_A3-97-0043_-0.32_-78.99
## 1533.3	(723705.4, 9964608)	2047	CSp-?III_A3-84-0032_-0.32_-78.99
## 1534.2	(723705.4, 9964608)	2067	CSp-?III_A3-89-0035_-0.32_-78.99
## 1537.1	(723705.4, 9964608)	2088	CSp-?III_A3-97-0043_-0.32_-78.99
## 1539	(723705.4, 9964608)	2090	CSp-?III_A3-97-0047_-0.32_-78.99
## 1545	(720365.2, 9964609)	2147	CSp-NIII_B4-89-0041_-0.32_-79.02
## 1545.1	(720365.2, 9964609)	2147	CSp-NIII_B4-89-0041_-0.32_-79.02
## 1546	(720365.2, 9964609)	2148	CSp-NIII_B4-89-0043_-0.32_-79.02
## 1548	(721478.6, 9964609)	2150	CSp-NIII_B4-89-0045_-0.32_-79.01
## 1552	(728158, 9959078)	2165	CSp-?III_C1-83-0068_-0.37_-78.95
## 1552.1	(728158, 9959078)	2165	CSp-?III_C1-83-0068_-0.37_-78.95
## 1557	(728158, 9959078)	2170	CSp-?III_C1-84-0041_-0.37_-78.95
## 1571	(693643.7, 9955767)	2215	CSp-NIII_D1-82-0005_-0.4_-79.26
## 1580	(830626.9, 9953515)	2230	CSp-?III_D2-100-0026_-0.42_-78.03
## 1570	(694757.2, 9956873)	2214	CSp-NIII_D1-82-0004_-0.39_-79.25
## 1584	(828399.3, 9955729)	2234	CSp-?III_D2-100-0030_-0.4_-78.05
## 1584.1	(828399.3, 9955729)	2234	CSp-?III_D2-100-0030_-0.4_-78.05
## 1606	(828399.3, 9955729)	2269	CSp-?III_D2-93-0036_-0.4_-78.05
## 1609	(698097.4, 9959084)	2272	CSp-NIII_D2-97-0004_-0.37_-79.22
## 1612	(713682.2, 9952445)	2284	CSp-NIII_D2-97-0058_-0.43_-79.08
## 1624	(855141.5, 9951291)	7671	CSp-OIII_C1-86-0003_-0.44_-77.81
## 1629	(857371.8, 9954611)	7678	CSp-OIII_C1-92-0001_-0.41_-77.79
## 1631	(856257.3, 9954611)	7680	CSp-OIII_C1-92-0004_-0.41_-77.8
## 1642	(943221.5, 9953464)	7724	CSp-OIII_D2-93-0008_-0.42_-77.02
## 1663	(975578.1, 9960098)	8525	CSp-PIII_C2-83-0011_-0.36_-76.73
## 1702	(787179.1, 9952424)	9572	PM6-P007_-0.43_-78.42
## 1700	(787180.8, 9957956)	9566	PM6-P001_-0.38_-78.42
## 1719	(675834, 9963511)	9619	PM6-P053_-0.33_-79.42
## 1719.1	(675834, 9963511)	9619	PM6-P053_-0.33_-79.42
## 1720	(675834, 9963511)	9620	PM6-P054_-0.33_-79.42
## 1731	(627972.2, 9959096)	10254	PN3-P155_-0.37_-79.85
## 1742	(589020.8, 9956889)	10628	PN5-P078_-0.39_-80.2
## 1698	(660248.4, 9952457)	9564	PM5-P091_-0.43_-79.56
## 1749	(591247.2, 9964627)	10882	PN6-P049_-0.32_-80.18
## 1741	(589021.5, 9964627)	10626	PN5-P076_-0.32_-80.2

## 1768	(779384, 9957958)	10961	PN6-P129_-0.38_-78.49
## 1807	(571216.1, 9960207)	11679	PN9-P056_-0.36_-80.36
## 1771	(568990.7, 9963523)	11100	PN7-P061_-0.33_-80.38
## 1814	(731491.3, 9935850)	2190	CSp-?III_C3-100-0012_-0.58_-78.92
## 1830	(714794.4, 9948021)	2280	CSp-NIII_D2-97-0054_-0.47_-79.07
## 1848	(709226.2, 9942493)	2326	CSp-NIII_D4-90-0006_-0.52_-79.12
## 1853	(847339.6, 9949080)	7664	CSp-OIII_C1-83-0004_-0.46_-77.88
## 1863	(848448, 9936903)	7703	CSp-OIII_C3-86-0011_-0.57_-77.87
## 1862	(849561.8, 9935796)	7698	CSp-OIII_C3-83-0022_-0.58_-77.86
## 1862.1	(849561.8, 9935796)	7698	CSp-OIII_C3-83-0022_-0.58_-77.86
## 1867	(849561.8, 9935796)	7708	CSp-OIII_C3-86-0042_-0.58_-77.86
## 1865	(847334.2, 9938011)	7705	CSp-OIII_C3-86-0013_-0.56_-77.88
## 1862.2	(849561.8, 9935796)	7698	CSp-OIII_C3-83-0022_-0.58_-77.86
## 1867.1	(849561.8, 9935796)	7708	CSp-OIII_C3-86-0042_-0.58_-77.86
## 1868	(849561.8, 9935796)	7710	CSp-OIII_C3-86-0045_-0.58_-77.86
## 1862.3	(849561.8, 9935796)	7698	CSp-OIII_C3-83-0022_-0.58_-77.86
## 1867.2	(849561.8, 9935796)	7708	CSp-OIII_C3-86-0042_-0.58_-77.86
## 1868.1	(849561.8, 9935796)	7710	CSp-OIII_C3-86-0045_-0.58_-77.86
## 1872	(849561.8, 9935796)	7716	CSp-OIII_C3-92-0022_-0.58_-77.86
## 1879	(905295.5, 9936870)	7738	CSp-OIII_D3-100-0026_-0.57_-77.36
## 1911	(602374, 9948044)	9244	PM3-P230_-0.47_-80.08
## 1952	(572327.2, 9941415)	11410	PN8-P059_-0.53_-80.35
## 1954	(573439.7, 9939204)	11412	PN8-P061_-0.55_-80.34
## 1973	(767120.9, 9926986)	2204	CSp-?III_C4-100-0017_-0.66_-78.6
## 1989	(713676.9, 9934750)	2323	CSp-NIII_D4-88-0030_-0.59_-79.08
## 1994	(735940.1, 9923682)	2334	CSp-?III_E1-81-0004_-0.69_-78.88
## 1996	(735939.6, 9922576)	2336	CSp-?III_E1-81-0007_-0.7_-78.88
## 1998	(744847.8, 9923678)	2338	CSp-?III_E1-81-0011_-0.69_-78.8
## 1998.1	(744847.8, 9923678)	2338	CSp-?III_E1-81-0011_-0.69_-78.8
## 1999	(744847.8, 9923678)	2339	CSp-?III_E1-81-0014_-0.69_-78.8
## 2001	(735941.1, 9925894)	2342	CSp-?III_E1-81-0022_-0.67_-78.88
## 2021	(767119.9, 9924773)	2413	CSp-?III_E2-84-0054_-0.68_-78.6
## 2015	(764891.5, 9922562)	2403	CSp-?III_E2-84-0016_-0.7_-78.62
## 2029	(718125.6, 9922583)	2573	CSp-NIII_F2-87-0075_-0.7_-79.04
## 2034	(708105.9, 9922587)	2579	CSp-NIII_F2-87-0097_-0.7_-79.13
## 2039	(850675.5, 9934688)	7699	CSp-OIII_C3-83-0040_-0.59_-77.85
## 2045	(843986.9, 9930264)	7719	CSp-OIII_C3-93-0012_-0.63_-77.91
## 2064	(862927.4, 9923610)	7796	CSp-OIII_E2-92-0030_-0.69_-77.74
## 2062	(861811.4, 9921396)	7785	CSp-OIII_E2-83-0029_-0.71_-77.75
## 2069	(878529.7, 9921384)	7801	CSp-OIII_E2-92-0051_-0.71_-77.6
## 2064.1	(862927.4, 9923610)	7796	CSp-OIII_E2-92-0030_-0.69_-77.74
## 2070	(862927.4, 9923610)	7803	CSp-OIII_E2-92-0053_-0.69_-77.74
## 2101	(565648.7, 9923730)	8882	PM2-P074_-0.69_-80.41
## 2110	(570099.7, 9924835)	9318	PM4-P077_-0.68_-80.37
## 2113	(561198.6, 9931468)	9321	PM4-P080_-0.62_-80.45
## 2131	(671373.3, 9928129)	9982	PN2-P175_-0.65_-79.46
## 2131.1	(671373.3, 9928129)	9982	PN2-P175_-0.65_-79.46
## 2132	(671373.3, 9928129)	9983	PN2-P176_-0.65_-79.46
## 2135	(696973.2, 9921486)	10735	PN5-P185_-0.71_-79.23
## 2145	(600144.6, 9924830)	11039	PN6-P209_-0.68_-80.1
## 2153	(591243.8, 9934781)	11562	PN8-P221_-0.59_-80.18
## 2162	(737045.9, 9908196)	2356	CSp-?III_E1-81-0043_-0.83_-78.87
## 2162.1	(737045.9, 9908196)	2356	CSp-?III_E1-81-0043_-0.83_-78.87
## 2163	(737045.9, 9908196)	2357	CSp-?III_E1-81-0044_-0.83_-78.87

## 2168	(732595.2, 9913729)	2363	CSp-?III_E1-82-0018_-0.78_-78.91
## 2168.1	(732595.2, 9913729)	2363	CSp-?III_E1-82-0018_-0.78_-78.91
## 2169	(732595.2, 9913729)	2364	CSp-?III_E1-82-0019_-0.78_-78.91
## 2179	(737048.2, 9912620)	2378	CSp-?III_E1-83-0009_-0.79_-78.87
## 2178	(737049.4, 9914833)	2377	CSp-?III_E1-83-0008_-0.77_-78.87
## 2182	(738162.2, 9913726)	2381	CSp-?III_E1-83-0014_-0.78_-78.86
## 2162.2	(737045.9, 9908196)	2356	CSp-?III_E1-81-0043_-0.83_-78.87
## 2163.1	(737045.9, 9908196)	2357	CSp-?III_E1-81-0044_-0.83_-78.87
## 2164	(737045.9, 9908196)	2358	CSp-?III_E1-81-0045_-0.83_-78.87
## 2187	(738165, 9919256)	2386	CSp-?III_E1-83-0020_-0.73_-78.86
## 2162.3	(737045.9, 9908196)	2356	CSp-?III_E1-81-0043_-0.83_-78.87
## 2163.2	(737045.9, 9908196)	2357	CSp-?III_E1-81-0044_-0.83_-78.87
## 2164.1	(737045.9, 9908196)	2358	CSp-?III_E1-81-0045_-0.83_-78.87
## 2184	(737045.9, 9908196)	2383	CSp-?III_E1-83-0016_-0.83_-78.87
## 2174	(735938.1, 9919257)	2372	CSp-?III_E1-83-0002_-0.73_-78.88
## 2179.1	(737048.2, 9912620)	2378	CSp-?III_E1-83-0009_-0.79_-78.87
## 2180	(737048.2, 9912620)	2379	CSp-?III_E1-83-0010_-0.79_-78.87
## 2212	(759315.6, 9908184)	2426	CSp-?III_E2-85-0005_-0.83_-78.67
## 2229	(731478.4, 9907093)	2469	CSp-?III_E3-88-0015_-0.84_-78.92
## 2229.1	(731478.4, 9907093)	2469	CSp-?III_E3-88-0015_-0.84_-78.92
## 2230	(731478.4, 9907093)	2470	CSp-?III_E3-88-0016_-0.84_-78.92
## 2237	(770450.9, 9907071)	2543	CSp-?III_E4-99-0034_-0.84_-78.57
## 2247	(701421.4, 9910426)	2563	CSp-NIII_F2-82-0012_-0.81_-79.19
## 2252	(708104.6, 9919270)	2568	CSp-NIII_F2-82-0026_-0.73_-79.13
## 2275	(858466.5, 9919185)	7768	CSp-OIII_E1-83-0050_-0.73_-77.78
## 2282	(855115.7, 9909224)	7780	CSp-OIII_E1-93-0040_-0.82_-77.81
## 2273	(858459.8, 9910328)	7764	CSp-OIII_E1-83-0035_-0.81_-77.78
## 2273.1	(858459.8, 9910328)	7764	CSp-OIII_E1-83-0035_-0.81_-77.78
## 2285	(858459.8, 9910328)	7783	CSp-OIII_E1-93-0043_-0.81_-77.78
## 2287	(888560.2, 9919162)	7786	CSp-OIII_E2-83-0045_-0.73_-77.51
## 2292	(880752, 9912524)	7792	CSp-OIII_E2-86-0048_-0.79_-77.58
## 2297	(870726.7, 9920283)	7808	CSp-OIII_E2-93-0036_-0.72_-77.67
## 2300	(868496.8, 9919177)	7812	CSp-OIII_E2-93-0050_-0.73_-77.69
## 2302	(855113.9, 9907010)	7822	CSp-OIII_E3-83-0038_-0.84_-77.81
## 2308	(890788, 9916946)	7903	CSp-OIII_F1-100-0015_-0.75_-77.49
## 2308.1	(890788, 9916946)	7903	CSp-OIII_F1-100-0015_-0.75_-77.49
## 2309	(890788, 9916946)	7904	CSp-OIII_F1-100-0016_-0.75_-77.49
## 2323	(894126.7, 9910298)	7922	CSp-OIII_F1-94-0018_-0.81_-77.46
## 2339	(966620.1, 9915770)	8549	CSp-PIII_E1-87-0020_-0.76_-76.81
## 2357	(563422.2, 9915993)	9301	PM4-P063_-0.76_-80.43
## 2360	(570098.7, 9917097)	9306	PM4-P068_-0.75_-80.37
## 2349	(564535.1, 9917098)	8872	PM2-P064_-0.75_-80.42
## 2367	(675823.1, 9920388)	9430	PM4-P193_-0.72_-79.42
## 2366	(574549.9, 9919307)	9316	PM4-P076_-0.73_-80.33
## 2380	(594577.4, 9908250)	10181	PN3-P081_-0.83_-80.15
## 2418	(661343.5, 9893857)	106	CG1-P081_-0.96_-79.55
## 2433	(650215.1, 9896073)	349	CG2-P102_-0.94_-79.65
## 2442	(645762.2, 9892758)	783	CG4-P106_-0.97_-79.69
## 2450	(634633.2, 9891656)	984	CG5-P070_-0.98_-79.79
## 2463	(750398.5, 9893809)	2459	CSp-?III_E3-87-0026_-0.96_-78.75
## 2480	(759308.7, 9897121)	2489	CSp-?III_E4-88-0037_-0.93_-78.67
## 2493	(772676.1, 9903750)	2509	CSp-?III_E4-91-0032_-0.87_-78.55
## 2504	(770442.8, 9894901)	2529	CSp-?III_E4-99-0015_-0.95_-78.57
## 2508	(768220.8, 9902647)	2534	CSp-?III_E4-99-0023_-0.88_-78.59

##	2512	(765993.6, 9902648)	2538	CSp-?III_E4-99-0027_-0.88_-78.61
##	2525	(709211.3, 9904893)	2607	CSp-NIII_F4-87-0093_-0.86_-79.12
##	2533	(853985.9, 9891512)	7819	CSp-OIII_E3-83-0032_-0.98_-77.82
##	2541	(858448.4, 9897043)	7836	CSp-OIII_E3-86-0034_-0.93_-77.78
##	2548	(850646.1, 9894836)	7848	CSp-OIII_E3-92-0027_-0.95_-77.85
##	2556	(845071.7, 9891521)	7866	CSp-OIII_E3-93-0026_-0.98_-77.9
##	2568	(856215.6, 9892617)	7878	CSp-OIII_E3-93-0060_-0.97_-77.8
##	2574	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
##	2573	(887422.6, 9893694)	7887	CSp-OIII_E4-89-0025_-0.96_-77.52
##	2574.1	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
##	2575	(889650.8, 9892584)	7889	CSp-OIII_E4-89-0027_-0.97_-77.5
##	2585	(901914.3, 9893679)	7940	CSp-OIII_F3-100-0035_-0.96_-77.39
##	2574.2	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
##	2575.1	(889650.8, 9892584)	7889	CSp-OIII_E4-89-0027_-0.97_-77.5
##	2579	(889650.8, 9892584)	7895	CSp-OIII_E4-89-0041_-0.97_-77.5
##	2574.3	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
##	2575.2	(889650.8, 9892584)	7889	CSp-OIII_E4-89-0027_-0.97_-77.5
##	2579.1	(889650.8, 9892584)	7895	CSp-OIII_E4-89-0041_-0.97_-77.5
##	2591	(889650.8, 9892584)	7948	CSp-OIII_F3-85-0034_-0.97_-77.5
##	2574.4	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
##		OCSKGM30	DEM	Analytical Slope Aspect Crosssecti
##	3	8.2082329	98.83328	1.0300838 1.5696157 4.74190569 1.917163e+04
##	3.1	8.2082329	98.83328	1.0300838 1.5696157 4.74190569 1.917163e+04
##	4	7.8423567	98.83328	1.0300838 1.5696157 4.74190569 1.917163e+04
##	2	4.5810347	42.97224	1.3628571 1.5691561 0.48955569 -2.002160e+04
##	11	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	11.1	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	12	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	11.2	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	12.1	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	13	2.1147873	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	11.3	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	12.2	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	13.1	2.1147873	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	14	4.6297841	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	11.4	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	12.3	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	13.2	2.1147873	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	14.1	4.6297841	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	15	4.0245904	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	17	2.3533018	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
##	11.5	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	12.4	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	13.3	2.1147873	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	14.2	4.6297841	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	15.1	4.0245904	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	16	5.3661583	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
##	17.1	2.3533018	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
##	18	6.0021532	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
##	17.2	2.3533018	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
##	18.1	6.0021532	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
##	21	1.0827173	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
##	17.3	2.3533018	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
##	18.2	6.0021532	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04

##	21.1	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.4	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.3	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.2	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.1	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.5	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.4	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.3	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.2	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.1	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.6	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.5	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.4	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.3	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.2	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.1	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.7	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.6	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.5	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.4	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.3	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.2	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.1	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.8	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.7	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.6	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.5	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.4	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.3	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.2	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.1	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.9	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.8	6.0021532	35.61113	1.0092312	1.5698624	6.21	

##	26.3	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.2	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.1	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.11	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.10	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.9	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.8	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.7	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.6	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.5	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.4	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.3	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.2	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.1	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.12	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.11	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.10	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.9	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.8	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.7	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.6	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.5	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.4	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.3	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.2	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.1	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.13	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.12	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.11	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.10	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.9	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.8	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.7	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.6	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.5	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.4	8.6965040	35.61113	1.0092312			

##	30.3	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.2	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	32.1	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	33	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.15	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.14	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.13	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.12	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.11	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.10	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.9	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.8	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.7	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.6	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.5	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.4	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.3	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	32.2	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	33.1	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	34	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.16	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.15	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.14	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.13	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.12	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.11	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.10	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.9	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.8	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.7	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.6	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.5	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.4	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	32.3	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	33.2	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	34.1	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	35	4.7435598	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.17	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.16	6.0021532	35.61113				



##	36	5.2010922	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.18	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.17	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.16	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.15	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.14	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.13	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.12	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.11	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.10	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.9	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.8	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.7	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.6	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	32.5	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	33.4	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	34.3	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	35.2	4.7435598	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	36.1	5.2010922	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	37	2.9507708	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.19	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.18	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.17	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.16	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.15	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.14	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.13	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.12	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.11	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.10	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.9	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.8	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.7	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	32.6	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	33.5	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	34.4	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	35.3	4.7435598	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	36.2	5.2010922	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	37.1	2.9507708	35.61113				

## 33.6	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 34.5	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 35.4	4.7435598	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 36.3	5.2010922	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 37.2	2.9507708	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 38.1	2.0745659	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 39	5.7335492	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 17.21	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 18.20	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 21.19	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 22.18	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 23.17	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 24.16	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 25.15	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 26.14	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 27.13	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 28.12	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 29.11	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 30.10	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 31.9	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 32.8	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 33.7	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 34.6	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 35.5	4.7435598	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 36.4	5.2010922	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 37.3	2.9507708	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 38.2	2.0745659	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 39.1	5.7335492	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 41	3.0885256	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 10	3.9513387	19.69443	0.8907584	1.5651243	5.01969051	-2.805492e+04
## 50	2.9507708	136.47227	1.3227657	1.5691884	0.43126142	2.058091e+04
## 51	1.9358258	117.66673	1.0440954	1.5701784	6.27802229	4.469379e+04
## 58	3.6272471	97.49966	1.3672802	1.5706034	4.21681547	-7.681320e+03
## 44	6.7168964	19.44444	2.2328644	1.5673132	2.87126541	6.746060e+03
## 49	3.8573874	14.86113	1.2849993	1.5662940	0.37652797	-8.216009e+03
## 9	1.3502413	26.13886	1.3879594	1.5675535	4.18620586	-1.337144e+04
## 58.1	3.6272471	97.49966	1.3672802	1.5706034	4.21681547	-7.681320e+03
## 59	0.8219964	97.49966	1.3672802	1.5706034	4.21681547	-7.681320e+03
## 74	3.9513387	79.52788	1.7000700	1.5701430	0.96890146	-4.599760e+04
## 76	5.5157063	31.47228	1.4178247	1.5695195	0.56852955	2.811896e+04
## 88	2.8492144	85.80569	1.0699503	1.5705273	0.03900867	3.314464e+04
## 83	7.4705410	56.75003	1.0928071	1.5701865	0.07731570	8.450585e+03
## 89	2.8492144	49.66675	2.3250313	1.5703834	2.10437059	2.121559e+04
## 79	2.6587536	63.94434	1.9472758	1.5702595	3.38006020	9.935676e+04
## 76.1	5.5157063	31.47228	1.4178247	1.5695195	0.56852955	2.811896e+04
## 77	5.6327274	31.47228	1.4178247	1.5695195	0.56852955	2.811896e+04
## 73	5.7234450	68.50006	1.7986813	1.5698025	1.11085773	-8.477005e+04
## 72	3.9212346	103.11126	1.8704662	1.5703511	1.21619379	8.720246e+03
## 71	4.2093111	58.50012	1.6210510	1.5703014	0.85662299	4.501234e+04
## 96	1.8419688	28.69449	1.9967535	1.5690175	1.41001594	-6.036021e+04
## 74.1	3.9513387	79.52788	1.7000700	1.5701430	0.96890146	-4.599760e+04
## 75	4.5810347	79.52788	1.7000700	1.5701430	0.96890146	-4.599760e+04
## 104	1.5169744	25.88877	1.0471065	1.5703472	4.71238804	-2.027687e+05
## 119	2.6587536	79.77789	2.1204827	1.5699017	1.61703753	-3.675564e+04

## 129	17.8948933	4146.07624	2.2518082	1.5707542	2.82883286	2.416973e+05
## 128	3.7454118	2898.63897	1.2575283	1.5702420	0.33460614	-6.290164e+04
## 122	1.5802411	3014.26854	2.2213509	1.5699668	2.89816427	0.000000e+00
## 142	2.3172366	101.24975	1.0861249	1.5705844	4.64628553	-2.465313e+05
## 150	2.5073419	148.16669	0.9132605	1.5696124	4.97020435	-2.827596e+05
## 121	2.2164050	38.63891	0.5475404	0.1193639	6.28318548	-3.512160e+05
## 167	4.0742901	68.02764	1.0364175	0.0844847	1.57079637	-3.573310e+04
## 121.1	2.2164050	38.63891	0.5475404	0.1193639	6.28318548	-3.512160e+05
## 154	6.8618726	38.63891	0.5475404	0.1193639	6.28318548	-3.512160e+05
## 142.1	2.3172366	101.24975	1.0861249	1.5705844	4.64628553	-2.465313e+05
## 146	1.0466820	101.24975	1.0861249	1.5705844	4.64628553	-2.465313e+05
## 119.1	2.6587536	79.77789	2.1204827	1.5699017	1.61703753	-3.675564e+04
## 120	2.7447010	79.77789	2.1204827	1.5699017	1.61703753	-3.675564e+04
## 177	6.1246991	122.88882	0.9572333	1.5702722	4.87825632	-4.394385e+04
## 174	1.7647700	47.13912	1.4099593	1.5705874	0.55699104	-1.340494e+05
## 175	9.9884518	168.05562	2.3276453	1.5702330	2.11556458	1.930471e+05
## 176	1.2230575	45.69415	0.9358259	1.5706232	4.92207098	2.264985e+04
## 135	5.5774807	760.69436	0.8908767	1.5706608	5.97315311	-5.746823e+05
## 169	10.6602577	117.50006	0.9340921	1.5702140	6.07005835	7.440336e+04
## 196	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 196.1	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 197	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 196.2	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 197.1	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 198	2.3533018	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 196.3	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 197.2	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 198.1	2.3533018	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 199	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 196.4	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 197.3	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 198.2	2.3533018	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 199.1	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 200	4.3042484	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 195	4.4997601	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 206	11.3794370	3229.80630	1.1799679	1.5707525	0.21645732	-1.729882e+04
## 208	16.4301537	3345.22193	0.7855260	1.5707338	5.51472759	5.626323e+05
## 213	19.0533244	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 213.1	19.0533244	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 214	6.2885851	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 213.2	19.0533244	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 214.1	6.2885851	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 215	8.0826800	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 217	20.0709086	3265.27913	1.4469643	1.5707545	0.60983020	5.042083e+04
## 217.1	20.0709086	3265.27913	1.4469643	1.5707545	0.60983020	5.042083e+04
## 218	11.8684528	3265.27913	1.4469643	1.5707545	0.60983020	5.042083e+04
## 231	4.2663750	3242.25063	2.2174058	1.5707101	1.80531073	-4.323666e+05
## 242	17.5120349	3435.61128	1.2225982	1.5705965	0.28190726	2.127212e+05
## 250	19.5132316	3179.72182	1.1209161	1.5706112	4.58929491	-9.771188e+04
## 223	43.1785980	3400.66705	2.3197887	1.5706812	2.08320165	9.241041e+03
## 238	3.4235408	50.22233	2.3506060	1.5703522	2.25133228	-6.179515e+04
## 246	8.7562697	3065.91569	0.9124483	1.5707443	4.97257614	-6.423616e+05
## 246.1	8.7562697	3065.91569	0.9124483	1.5707443	4.97257614	-6.423616e+05
## 260	5.3330566	3065.91569	0.9124483	1.5707443	4.97257614	-6.423616e+05

## 282	42.5965680	3182.55531	0.8576176	1.5706602	5.10856008	-6.958640e+05
## 284	2.4568287	43.30560	2.1772721	1.5700613	1.72318447	-7.086454e+01
## 196.5	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 197.4	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 198.3	2.3533018	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 199.2	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 200.1	4.3042484	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 201	2.9826920	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 195.1	4.4997601	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 202	4.6785358	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 238.1	3.4235408	50.22233	2.3506060	1.5703522	2.25133228	-6.179515e+04
## 254	8.6965040	50.22233	2.3506060	1.5703522	2.25133228	-6.179515e+04
## 296	3.4055336	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 237	6.0903851	66.90264	1.3539499	1.5703228	4.23603773	-1.013005e+04
## 296.1	3.4055336	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 297	1.7301223	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 275	24.9009425	3546.11093	2.1847601	1.5707244	2.97467017	-2.778755e+03
## 296.2	3.4055336	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 297.1	1.7301223	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 299	5.0533965	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 237.1	6.0903851	66.90264	1.3539499	1.5703228	4.23603773	-1.013005e+04
## 298	1.2479898	66.90264	1.3539499	1.5703228	4.23603773	-1.013005e+04
## 292	5.7337867	17.11106	2.0100286	1.5700356	3.28151679	-1.904102e+04
## 195.2	4.4997601	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 202.1	4.6785358	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 293	2.0391111	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 317	2.9906306	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 316	4.4997601	69.36124	2.1190753	1.5705189	1.61429226	1.684060e+05
## 322	4.1073256	1424.27740	0.8584017	1.5706313	5.10633612	-2.212220e+06
## 324	7.3432778	2054.86202	2.3560278	1.5707525	2.33854866	-9.994126e+05
## 329	5.2406099	2465.08278	2.0242069	1.5707506	3.25890398	4.834001e+05
## 337	2.8779355	2775.30562	2.3542857	1.5704035	2.41640925	1.493164e+04
## 355	6.9923033	2759.00004	0.1874305	0.2319479	5.23153496	-3.808514e+04
## 322.1	4.1073256	1424.27740	0.8584017	1.5706313	5.10633612	-2.212220e+06
## 323	11.0125556	1424.27740	0.8584017	1.5706313	5.10633612	-2.212220e+06
## 320	2.8697527	217.61065	1.3968859	1.5706216	4.17416477	3.148788e+05
## 317.1	2.9906306	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 318	3.4235408	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 319	3.7214601	171.27792	1.2725991	1.5705488	0.35698211	-3.079148e+05
## 317.2	2.9906306	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 318.1	3.4235408	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 375	5.6040785	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 393	3.1841180	1802.88875	2.2575626	1.5707476	2.81477928	-2.521861e+05
## 316.1	4.4997601	69.36124	2.1190753	1.5705189	1.61429226	1.684060e+05
## 321	4.6785358	69.36124	2.1190753	1.5705189	1.61429226	1.684060e+05
## 381	6.0290485	181.61113	0.8093777	1.5703088	5.71908474	-2.829907e+05
## 399	5.2801879	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 399.1	5.2801879	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 400	5.9298829	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 402	1.5802411	2418.83255	1.4141546	1.5707303	4.14942408	-2.193650e+06
## 408	4.4696915	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 408.1	4.4696915	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 409	2.7712823	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 417	2.8656544	1837.55607	1.2350425	1.5707068	0.30070803	-9.824578e+05

## 411	2.6628716	1936.69515	1.3590424	1.5707275	0.48362365	-7.602645e+05
## 408.2	4.4696915	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 409.1	2.7712823	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 410	2.5490730	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 431	2.2871510	2457.74984	0.8649819	1.5707487	5.90727902	-1.817335e+05
## 435	2.5366510	2277.83476	2.0917511	1.5707507	1.56623960	-3.328573e+05
## 433	1.1939838	2257.24966	0.8389200	1.5707526	5.83080292	-3.333631e+05
## 427	3.3645585	2728.86102	0.9101852	1.5707114	6.01794720	2.555283e+05
## 447	11.2565541	2021.77876	2.1455488	1.5707366	1.66239154	-8.343934e+05
## 449	10.7886242	1815.36176	2.3552334	1.5707482	2.31261230	-7.944356e+05
## 465	3.0064590	2288.36006	1.1900200	1.5707455	4.48037291	4.612667e+05
## 470	13.1649706	2918.99894	1.7782747	1.5707487	3.63137388	-8.867491e+04
## 460	1.9497561	1961.22099	1.0320371	1.5707519	4.73886967	-4.729130e+05
## 479	2.4752950	1720.49958	1.1428678	1.5706127	4.55413437	-8.881061e+05
## 402.1	1.5802411	2418.83255	1.4141546	1.5707303	4.14942408	-2.193650e+06
## 403	4.6785358	2418.83255	1.4141546	1.5707303	4.14942408	-2.193650e+06
## 502	2.5231323	2154.47270	1.1296989	1.5707200	0.13719620	-2.895214e+05
## 502.1	2.5231323	2154.47270	1.1296989	1.5707200	0.13719620	-2.895214e+05
## 503	3.3892738	2154.47270	1.1296989	1.5707200	0.13719620	-2.895214e+05
## 497	11.0517780	181.61078	1.5640720	1.5705905	3.93644905	-2.567902e+05
## 514	3.9111807	2328.80468	0.8327015	1.5707527	5.18534184	3.695043e+05
## 507	4.4834973	183.05563	2.3352354	1.5705482	2.56205869	-3.260638e+05
## 399.2	5.2801879	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 400.1	5.9298829	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 401	6.6111852	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 497.1	11.0517780	181.61078	1.5640720	1.5705905	3.93644905	-2.567902e+05
## 508	7.7877633	181.61078	1.5640720	1.5705905	3.93644905	-2.567902e+05
## 495	16.0017025	281.47208	2.2275963	1.5707253	2.88478994	2.445289e+05
## 572	4.4070343	715.52783	1.0469432	1.5698675	6.28307295	-2.443114e+04
## 574	8.0020066	828.05548	0.8264450	1.5703969	5.78856039	-9.847287e+04
## 574.1	8.0020066	828.05548	0.8264450	1.5703969	5.78856039	-9.847287e+04
## 575	4.5880454	828.05548	0.8264450	1.5703969	5.78856039	-9.847287e+04
## 579	10.4300509	1001.22388	1.9419904	1.5707465	1.32406020	-9.937048e+05
## 579.1	10.4300509	1001.22388	1.9419904	1.5707465	1.32406020	-9.937048e+05
## 582	0.5639476	1001.22388	1.9419904	1.5707465	1.32406020	-9.937048e+05
## 586	10.9000363	750.61136	2.3304493	1.5706029	2.12755060	-1.761928e+05
## 572.1	4.4070343	715.52783	1.0469432	1.5698675	6.28307295	-2.443114e+04
## 573	8.4151903	715.52783	1.0469432	1.5698675	6.28307295	-2.443114e+04
## 599	1.0682878	271.41662	2.0534725	1.5699842	3.21067285	-3.101301e+04
## 612	3.6456713	2730.13879	1.4544024	1.5702138	4.09182501	-5.325033e+05
## 617	7.5910136	285.61099	0.8861677	1.5703441	5.03366518	-1.077546e+05
## 616	4.0591139	2388.55517	0.9704584	1.5707288	4.85245895	5.270497e+04
## 641	5.4464857	2545.61094	0.7989460	1.5707104	5.66326761	6.546308e+04
## 662	9.1982170	2756.13822	1.4486153	1.5707010	4.10019207	4.099913e+05
## 668	10.0588343	968.91615	2.0164940	1.5707244	3.27134919	-2.145948e+04
## 678	2.3533018	436.05566	1.4869481	1.5703336	0.66679567	-6.551176e+04
## 677	17.9450116	128.91664	0.9600664	1.5693042	4.87221766	2.036412e+04
## 647	1.1355989	116.19450	2.1063521	1.5695173	1.59211576	5.007341e+04
## 700	2.5705452	31.16660	0.7993127	1.5703784	5.32956886	-1.277997e+05
## 704	0.9525048	771.16684	2.1901844	1.5705465	1.74867368	5.132593e+05
## 709	3.9358003	420.66649	0.8055854	1.5704588	5.29508400	-1.567906e+05
## 732	4.3613730	393.38900	2.3561027	1.5705051	2.36237264	-1.670643e+03
## 806	9.8575126	554.11116	1.0838751	1.5703343	0.06244076	-9.335362e+04
## 700.1	2.5705452	31.16660	0.7993127	1.5703784	5.32956886	-1.277997e+05

## 701	5.0796001	31.16660	0.7993127	1.5703784	5.32956886	-1.277997e+05
## 851	11.9792946	3430.72185	0.7977933	1.5707445	5.65596867	1.012356e+06
## 859	1.8292145	141.08336	2.3275702	1.5594716	2.58558488	-2.008048e+04
## 887	2.7391874	550.83237	1.7482742	1.5707210	3.67462563	2.287786e+05
## 894	10.6371109	899.99950	0.8443977	1.5706989	5.14748859	8.206632e+05
## 896	11.6925408	684.49991	0.8621103	1.5707396	5.89946079	3.090758e+05
## 899	3.5220971	438.88867	1.7983178	1.5705086	3.60224581	-2.188060e+05
## 901	3.6657163	419.33348	2.3532915	1.5706201	2.28050304	-1.064914e+05
## 910	4.7520151	536.00029	2.3558602	1.5707031	2.33125544	1.872923e+05
## 894.1	10.6371109	899.99950	0.8443977	1.5706989	5.14748859	8.206632e+05
## 900	1.8671534	899.99950	0.8443977	1.5706989	5.14748859	8.206632e+05
## 917	4.0858610	384.41661	1.1814910	1.5686898	4.49295759	-7.506017e+03
## 926	2.4811119	430.55548	2.2117417	1.5705110	2.91910577	1.180633e+04
## 892	3.3419617	421.22249	1.7765845	1.5705478	1.07862282	-6.970697e+04
## 945	8.0238706	512.22226	2.3043008	1.5699198	2.68321872	-2.897576e+05
## 937	4.8280203	544.52821	1.8508220	1.5706381	1.18700767	-7.196969e+03
## 908	5.3340361	558.52787	2.3514409	1.5704240	2.25949597	-6.361582e+03
## 958	1.7501662	394.58335	1.5848658	1.5683085	0.80591810	3.004060e+04
## 971	2.9032447	277.24997	2.0105379	1.5693883	3.28049779	-4.846219e+04
## 985	10.3735722	1688.36130	0.9822158	1.5707036	6.16569185	1.823313e+05
## 1019	2.5558374	2952.97285	1.3490834	1.5707263	0.46918535	5.741410e+05
## 1039	8.0073379	1611.91613	1.6813487	1.5707102	3.77030253	8.857459e+04
## 1017	4.7400917	3029.69394	1.9434172	1.5707279	3.38613200	6.308663e+05
## 1097	12.6684112	547.36089	0.9141514	1.5705506	4.96869087	2.708062e+04
## 1135	6.7526023	760.33281	1.0542103	1.5706860	4.70025253	3.221200e+04
## 1135.1	6.7526023	760.33281	1.0542103	1.5706860	4.70025253	3.221200e+04
## 1136	1.5698335	760.33281	1.0542103	1.5706860	4.70025253	3.221200e+04
## 1139	4.7741738	1781.91650	1.3735085	1.5705544	4.20780706	6.656044e+05
## 1139.1	4.7741738	1781.91650	1.3735085	1.5705544	4.20780706	6.656044e+05
## 1140	8.4086830	1781.91650	1.3735085	1.5705544	4.20780706	6.656044e+05
## 1145	10.2543005	669.36068	1.2227006	1.5706290	4.43033552	-1.173372e+05
## 1143	7.4471780	722.94436	0.8122062	1.5705993	5.73161507	-7.780537e+04
## 1145.1	10.2543005	669.36068	1.2227006	1.5706290	4.43033552	-1.173372e+05
## 1146	8.5516091	669.36068	1.2227006	1.5706290	4.43033552	-1.173372e+05
## 1138	6.6899390	690.41618	1.5673950	1.5706695	3.93176937	8.383013e+04
## 1167	10.8929458	1448.22294	2.3559608	1.5707581	2.33502316	-4.640024e+05
## 1173	12.6745266	1126.66709	1.2704883	1.5706322	0.35382107	6.646714e+05
## 1175	11.7142073	548.11142	2.2255173	1.5706164	1.82305026	-1.423862e+05
## 1178	10.4865688	585.36161	1.9948016	1.5706300	1.40642357	9.931770e+04
## 1217	4.1139240	187.55534	0.8029230	1.5707130	5.68620586	2.760629e+04
## 1211	5.2027376	211.47222	2.3254337	1.5702524	2.60621643	-2.275655e+04
## 1131	4.1073256	2553.33355	2.3469450	1.5706677	2.22000146	5.466270e+04
## 1250	5.9298829	41.68052	0.7855887	1.5705593	5.52013969	-7.683655e+04
## 1253	4.6817863	41.18511	0.8414762	1.5705755	5.15649843	3.619558e+03
## 1268	3.5338794	2237.94452	0.7939363	1.5705152	5.62937164	-2.878964e+05
## 1248	8.2661149	180.63890	1.1079775	1.5685093	0.10276884	2.336541e+03
## 1249	3.4432791	207.72224	1.2427826	1.5684277	0.31300834	-1.982131e+04
## 1216	3.5303532	126.44433	1.0470759	1.5703511	4.71244240	-1.968583e+05
## 1216.1	3.5303532	126.44433	1.0470759	1.5703511	4.71244240	-1.968583e+05
## 1280	9.4971216	126.44433	1.0470759	1.5703511	4.71244240	-1.968583e+05
## 1266	7.0030301	2664.74949	0.8949482	1.5707090	5.01273918	5.772547e+04
## 1293	6.4443734	1171.66649	1.9804305	1.5706919	3.32865238	-1.118016e+05
## 1295	11.1390116	1890.91721	1.5393338	1.5706915	0.74092227	-7.687173e+05
## 1295.1	11.1390116	1890.91721	1.5393338	1.5706915	0.74092227	-7.687173e+05

## 1296	8.3279456	1890.91721	1.5393338	1.5706915	0.74092227	-7.687173e+05
## 1305	6.8196430	1090.66667	0.9495412	1.5706230	6.10172033	-7.918381e+05
## 1308	4.4524392	2068.13873	0.7902777	1.5706835	5.59702015	-1.000241e+05
## 1308.1	4.4524392	2068.13873	0.7902777	1.5706835	5.59702015	-1.000241e+05
## 1309	10.9213956	2068.13873	0.7902777	1.5706835	5.59702015	-1.000241e+05
## 1311	20.2840844	1969.55575	1.1237321	1.5706661	0.12761954	6.441633e+05
## 1315	15.2549160	1953.47198	2.1243472	1.5707427	3.08873010	-1.159900e+06
## 1315.1	15.2549160	1953.47198	2.1243472	1.5707427	3.08873010	-1.159900e+06
## 1316	14.0092500	1953.47198	2.1243472	1.5707427	3.08873010	-1.159900e+06
## 1318	1.3359939	1020.94397	0.8847912	1.5706836	5.03723431	-7.635997e+05
## 1320	5.6437078	938.83326	0.8297625	1.5705400	5.80026197	-4.938511e+05
## 1315.2	15.2549160	1953.47198	2.1243472	1.5707427	3.08873010	-1.159900e+06
## 1316.1	14.0092500	1953.47198	2.1243472	1.5707427	3.08873010	-1.159900e+06
## 1317	10.0524043	1953.47198	2.1243472	1.5707427	3.08873010	-1.159900e+06
## 1327	10.8946966	1677.30533	1.9253095	1.5706453	3.41380048	-8.920707e+05
## 1341	4.2023311	901.27751	0.9517945	1.5706305	4.88930559	8.577666e+04
## 1345	10.6317736	900.02740	1.2772003	1.5706302	4.34859705	3.106095e+05
## 1350	21.9970889	880.47270	1.1395508	1.5707318	0.15294042	2.489454e+05
## 1408	3.9796947	2681.77869	2.1575165	1.5707294	1.68482697	-3.004975e+05
## 1438	5.2504986	116.86124	1.2093282	1.5705993	0.26170188	-1.826952e+05
## 1443	2.7447010	134.05514	0.8749967	1.5706863	5.06186867	-3.925135e+05
## 1443.1	2.7447010	134.05514	0.8749967	1.5706863	5.06186867	-3.925135e+05
## 1444	2.7447010	134.05514	0.8749967	1.5706863	5.06186867	-3.925135e+05
## 1290	2.7447010	230.16645	1.8844084	1.5704668	3.47543907	-1.781208e+05
## 1465	10.8382012	255.30528	1.4470658	1.5705664	4.10236597	2.070236e+05
## 1474	2.3244676	2614.25117	2.2119360	1.5707481	1.79358518	1.589230e+05
## 1474.1	2.3244676	2614.25117	2.2119360	1.5707481	1.79358518	1.589230e+05
## 1475	4.4932554	2614.25117	2.2119360	1.5707481	1.79358518	1.589230e+05
## 1485	4.3988596	3419.13820	0.8037204	1.5707470	5.30512857	-2.667964e+04
## 1503	5.7537725	237.19439	1.3578441	1.5696124	4.23020887	-2.252564e+04
## 1506	2.1685532	216.08334	0.7876188	1.5674645	5.57598257	1.172505e+04
## 1509	12.4839900	3149.24969	1.8087415	1.5706873	3.58711910	5.964769e+05
## 1533	4.8714109	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1533.1	4.8714109	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1534	7.2109712	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1533.2	4.8714109	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1534.1	7.2109712	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1537	9.7746199	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1533.3	4.8714109	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1534.2	7.2109712	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1537.1	9.7746199	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1539	9.8439840	886.16629	0.9205795	1.5706445	4.95460653	-2.127678e+05
## 1545	8.5104321	837.55548	0.8343621	1.5705693	5.81598616	-3.781595e+05
## 1545.1	8.5104321	837.55548	0.8343621	1.5705693	5.81598616	-3.781595e+05
## 1546	6.8312645	837.55548	0.8343621	1.5705693	5.81598616	-3.781595e+05
## 1548	5.4221842	860.77787	0.9511679	1.5706203	6.10500956	-3.918424e+05
## 1552	8.9029797	1342.77821	1.8089261	1.5706794	1.12554109	6.464988e+05
## 1552.1	8.9029797	1342.77821	1.8089261	1.5706794	1.12554109	6.464988e+05
## 1557	4.7956727	1342.77821	1.8089261	1.5706794	1.12554109	6.464988e+05
## 1571	6.7028382	330.88882	1.0298382	1.5699371	4.74245691	-1.183959e+05
## 1580	4.1519931	2619.50145	1.5560995	1.5707538	0.76462358	-8.300134e+05
## 1570	3.0635251	337.58327	1.3133974	1.5699339	4.29503918	-1.653987e+05
## 1584	19.4797680	2773.94298	1.7900122	1.5707589	3.61437321	-1.217885e+06
## 1584.1	19.4797680	2773.94298	1.7900122	1.5707589	3.61437321	-1.217885e+06

## 1606	5.3042028	2773.94298	1.7900122	1.5707589	3.61437321	-1.217885e+06
## 1609	5.3357527	415.08299	0.9703603	1.5706309	4.85260868	-9.649234e+04
## 1612	3.4881111	1934.25004	0.9195719	1.5706176	6.03878355	1.251059e+06
## 1624	7.5970543	1900.35996	1.1651433	1.5707382	4.51903820	-4.051143e+05
## 1629	12.1295530	1885.38813	0.8406444	1.5707332	5.15924692	-2.132453e+05
## 1631	10.8366383	1813.33340	0.8353984	1.5707031	5.81933451	-1.365690e+05
## 1642	3.3883495	267.72218	1.2662928	1.5685217	4.36423016	7.473819e+03
## 1663	5.1781064	269.66667	2.2578094	1.5592278	1.90478587	-1.460910e+04
## 1702	11.6358568	2972.22244	1.2614082	1.5706061	0.34030014	-4.617413e+05
## 1700	8.2567727	2717.08331	0.8399568	1.5706266	5.83422041	-8.324143e+04
## 1719	10.6797950	230.80553	1.8994486	1.5690809	3.45249343	-3.241561e+04
## 1719.1	10.6797950	230.80553	1.8994486	1.5690809	3.45249343	-3.241561e+04
## 1720	5.4325023	230.80553	1.8994486	1.5690809	3.45249343	-3.241561e+04
## 1731	6.1780006	360.11111	0.8220407	1.5706229	5.77195454	1.431624e+05
## 1742	5.6360803	235.91705	1.5005826	1.5706736	0.68604988	-1.066215e+05
## 1698	5.9605191	163.02782	2.3489313	1.5700901	2.47553802	-2.345316e+04
## 1749	3.9212346	187.94442	2.0924127	1.5610880	3.14159274	2.475597e+04
## 1741	5.9298829	158.72193	1.4140309	0.1881363	2.67794514	-1.572079e+05
## 1768	4.3988596	2606.30557	0.9297808	1.5706476	6.06075287	-4.709083e+05
## 1807	1.7547826	172.83324	0.8183056	1.5704510	5.23810196	-1.160356e+05
## 1771	4.3988596	182.58329	1.0322675	1.5697675	4.73810577	2.009327e+05
## 1814	0.6639096	1808.38901	1.6916350	1.5705403	0.95677602	-1.874545e+06
## 1830	10.3617221	2117.94400	1.8917608	1.5707208	3.46450090	-9.611436e+03
## 1848	7.9608207	852.61091	2.1512048	1.5707105	3.03944063	-1.188819e+06
## 1853	7.4149437	1882.86134	1.1172553	1.5706871	0.11714973	-1.023270e+06
## 1863	3.3416831	1979.86100	0.9836474	1.5703875	4.82704020	-2.883605e+05
## 1862	9.1810918	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1862.1	9.1810918	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1867	5.1315388	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1865	8.2980062	1975.77825	1.9910572	1.5705929	1.40050769	-1.682645e+05
## 1862.2	9.1810918	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1867.1	5.1315388	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1868	13.8186330	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1862.3	9.1810918	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1867.2	5.1315388	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1868.1	13.8186330	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1872	13.0834609	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1879	3.2497910	580.11150	1.7666190	1.5706482	1.06420159	6.835240e+04
## 1911	3.5952590	205.66662	0.7970957	1.5702810	5.65217686	-7.576523e+04
## 1952	1.3838558	57.52783	1.0467355	1.5691062	6.28298283	-9.731697e+04
## 1954	3.9245837	140.72255	1.3327672	1.5706860	0.44546226	4.979077e+04
## 1973	6.2988724	3450.27783	2.3151295	1.5706748	2.64657855	4.508346e+04
## 1989	9.1264922	1736.00036	1.5553799	1.5706519	0.76363128	7.960582e+05
## 1994	2.9898360	2659.36202	1.8540676	1.5707277	1.19177842	-3.761834e+05
## 1996	1.1984197	2708.88970	1.8915608	1.5707172	1.24758911	-2.556638e+05
## 1998	4.2455078	3166.33260	0.9537874	1.5707247	4.88533974	-4.443075e+05
## 1998.1	4.2455078	3166.33260	0.9537874	1.5707247	4.88533974	-4.443075e+05
## 1999	4.2861116	3166.33260	0.9537874	1.5707247	4.88533974	-4.443075e+05
## 2001	4.9005182	2580.44540	1.7381324	1.5707290	1.02319586	-3.290922e+05
## 2021	2.6921920	3297.33330	2.2667124	1.5706946	2.79168820	-1.230372e+05
## 2015	2.4569255	3303.91658	2.2160685	1.5707121	2.90995741	3.216484e+04
## 2029	2.0863596	1216.08298	1.8026195	1.5706820	3.59603477	-1.334247e+06
## 2034	6.4312595	735.16721	1.6252646	1.5706667	0.86249876	9.769811e+03
## 2039	3.0762906	2159.94348	1.5479034	1.5707397	3.95935488	8.462716e+04



##	2045	6.5484870	2305.55615	2.2714555	1.5707221	1.93302703	-2.081695e+05
##	2064	4.7672087	1216.44507	2.2523651	1.5706947	1.88493478	-3.667875e+05
##	2062	7.9077863	1312.47254	2.3526821	1.5706899	2.27260160	6.093981e+04
##	2069	17.4298619	1144.13910	2.3512249	1.5705838	2.25686812	3.600700e+04
##	2064.1	4.7672087	1216.44507	2.2523651	1.5706947	1.88493478	-3.667875e+05
##	2070	9.9773244	1216.44507	2.2523651	1.5706947	1.88493478	-3.667875e+05
##	2101	6.7664017	170.55551	0.8185630	1.5706042	5.75835705	1.049293e+05
##	2110	3.8337562	101.91691	2.0232804	1.5705837	1.45203805	-2.107472e+03
##	2113	2.0626944	90.65722	0.8385783	1.5705208	5.16569471	-1.269438e+05
##	2131	3.7846031	140.13890	2.1936491	1.5684377	2.95576572	1.687939e+04
##	2131.1	3.7846031	140.13890	2.1936491	1.5684377	2.95576572	1.687939e+04
##	2132	4.3042484	140.13890	2.1936491	1.5684377	2.95576572	1.687939e+04
##	2135	5.8857123	307.11093	0.9099890	1.5705897	4.97800636	-7.154810e+04
##	2145	5.3462917	46.38867	1.0629681	1.5705200	4.68521833	5.036970e+04
##	2153	4.5696590	175.24997	1.9688087	1.5696445	3.34651899	7.200546e+04
##	2162	2.5460303	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2162.1	2.5460303	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2163	2.2097789	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2168	6.2383475	3027.05648	2.1462038	1.5707387	1.66360688	-5.947704e+04
##	2168.1	6.2383475	3027.05648	2.1462038	1.5707387	1.66360688	-5.947704e+04
##	2169	4.6646282	3027.05648	2.1462038	1.5707387	1.66360688	-5.947704e+04
##	2179	8.3549043	3183.11091	0.8196442	1.5706333	5.23294401	6.519390e+04
##	2178	2.5951484	3003.13891	0.8357726	1.5706975	5.82057857	1.115599e+05
##	2182	6.2878893	3153.19420	0.8016240	1.5707155	5.67901564	1.559389e+05
##	2162.2	2.5460303	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2163.1	2.2097789	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2164	1.3698956	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2187	3.2924341	2836.61020	0.8842696	1.5707443	5.03855419	-6.665527e+04
##	2162.3	2.5460303	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2163.2	2.2097789	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2164.1	1.3698956	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2184	2.7253062	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2174	2.5951484	2719.77817	2.2608261	1.5706613	1.90577781	-1.387827e+06
##	2179.1	8.3549043	3183.11091	0.8196442	1.5706333	5.23294401	6.519390e+04
##	2180	4.1294281	3183.11091	0.8196442	1.5706333	5.23294401	6.519390e+04
##	2212	1.6442954	2965.61128	2.3561101	1.5706247	2.34709454	-1.587860e+05
##	2229	3.4678792	3427.94456	0.9519956	1.5707265	6.10663176	-2.916803e+05
##	2229.1	3.4678792	3427.94456	0.9519956	1.5707265	6.10663176	-2.916803e+05
##	2230	1.7927316	3427.94456	0.9519956	1.5707265	6.10663176	-2.916803e+05
##	2237	3.3874430	3017.44431	1.4825840	1.5704702	4.05182266	1.166451e+05
##	2247	2.4637852	550.66655	1.4975234	1.5705123	4.03063631	1.407152e+05
##	2252	3.9499769	628.30542	2.1150143	1.5705832	3.10535455	-4.289225e+05
##	2275	11.4219630	1211.11089	1.7429892	1.5705271	3.68216944	-7.723630e+04
##	2282	9.2355532	857.88888	2.3159292	1.5706068	2.64360094	-3.965590e+05
##	2273	5.7666941	889.13909	2.3557696	1.5706228	2.38381577	-1.734972e+05
##	2273.1	5.7666941	889.13909	2.3557696	1.5706228	2.38381577	-1.734972e+05
##	2285	10.9774670	889.13909	2.3557696	1.5706228	2.38381577	-1.734972e+05
##	2287	3.4024361	840.19472	1.5779409	1.5706168	0.79554713	-1.199884e+05
##	2292	4.5239201	909.97217	1.9763823	1.5701960	3.33485055	-5.332801e+05
##	2297	18.9947938	1170.77724	1.8825083	1.5707183	3.47834849	1.033041e+05
##	2300	9.5084360	1062.97223	2.2164128	1.5705701	2.90914989	-3.125078e+05
##	2302	7.3050323	807.86138	2.1947088	1.5706301	1.75780916	-2.440173e+05
##	2308	6.8184635	642.55576	2.0486808	1.5705348	1.49359393	-3.057240e+04
##	2308.1	6.8184635	642.55576	2.0486808	1.5705348	1.49359393	-3.057240e+04

##	2309	6.0443751	642.55576	2.0486808	1.5705348	1.49359393	-3.057240e+04
##	2323	2.7931637	437.11129	2.0726807	1.5704596	1.53374994	3.376441e+04
##	2339	2.8090595	289.19441	0.7852103	1.5697278	5.51037931	-2.219012e+03
##	2357	5.3462917	216.33314	1.0450643	1.5704882	4.71597910	-6.297397e+04
##	2360	6.2487105	260.61173	1.8930212	1.5707029	1.24978352	1.481230e+05
##	2349	4.8232793	215.66640	1.1759437	1.5705956	4.50213814	5.602855e+04
##	2367	11.1793519	141.77776	1.5310082	1.5683118	3.98265243	5.154614e+04
##	2366	2.5412468	43.22221	0.8322735	1.5696884	5.80964088	-1.693566e+05
##	2380	3.6352726	68.72196	0.8405656	1.5706469	5.15943146	4.947637e+04
##	2418	7.2528667	80.69443	0.7953062	1.5692354	5.35380793	-9.493879e+03
##	2433	7.8888657	69.69443	1.7152404	1.5671048	3.72105002	2.355551e+02
##	2442	22.8178337	67.22227	2.2878182	1.5694660	1.97892225	2.356008e+03
##	2450	4.7760877	58.13889	2.0935555	1.5666833	3.14159274	-2.094010e+04
##	2463	1.6593836	3284.97260	2.2858016	1.5706674	1.97232127	-6.705125e+05
##	2480	1.1885302	2931.80569	2.1638448	1.5703672	1.69702184	-3.449672e+04
##	2493	0.9485520	3131.27727	0.9864300	1.5706929	4.82190371	3.642495e+03
##	2504	2.6988344	2895.69415	0.9043261	1.5706313	4.99087381	1.065888e+05
##	2508	1.1377477	2940.83325	1.5258253	1.5703621	3.99050212	5.718748e+04
##	2512	0.8785388	2838.02765	1.4880047	1.5704508	4.04412317	-4.436717e+03
##	2525	3.9246402	721.88852	1.2422625	1.5706373	4.40078354	-6.302729e+04
##	2533	2.4401428	540.47234	2.3050570	1.5670105	2.03394175	-1.649195e+05
##	2541	5.3799710	635.86100	1.3380251	1.5703143	4.25916910	-9.998797e+04
##	2548	4.1294281	670.19428	2.0331588	1.5705711	3.24429655	1.006853e+05
##	2556	8.4006454	760.44490	2.0080745	1.5706711	1.42754495	-9.219995e+04
##	2568	2.9411013	617.24952	1.1759460	1.5706412	4.50214815	-4.951706e+04
##	2574	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2573	2.3123747	416.27783	2.1062565	1.5698956	1.59181070	-1.004929e+05
##	2574.1	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2575	1.8786934	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2585	1.8141568	389.97218	0.8091750	1.5703580	5.71808100	8.153059e+04
##	2574.2	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2575.1	1.8786934	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2579	2.2791043	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2574.3	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2575.2	1.8786934	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2579.1	2.2791043	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2591	2.5475660	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2574.4	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##		Longitudin	Covergence	Closeddepr	Flowaccumu	Topographi	
##	3	-14454.3232	4.33616209	0.000000665	0.000138116	-11.6333342	
##	3.1	-14454.3232	4.33616209	0.000000665	0.000138116	-11.6333342	
##	4	-14454.3232	4.33616209	0.000000665	0.000138116	-11.6333342	
##	2	1891.6317	-15.24348927	-0.000000154	0.006457845	-6.5095105	
##	11	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	11.1	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	12	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	11.2	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	12.1	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	13	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	11.3	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	12.2	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	13.1	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	14	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	11.4	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	

[illegible]

[illegible]

[illegible]

[illegible]

## 35.3	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 36.2	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 37.1	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 38	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 17.20	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 18.19	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 21.18	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 22.17	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 23.16	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 24.15	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 25.14	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 26.13	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 27.12	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 28.11	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 29.10	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 30.9	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 31.8	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 32.7	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 33.6	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 34.5	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 35.4	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 36.3	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 37.2	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 38.1	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 39	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 17.21	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 18.20	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 21.19	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 22.18	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 23.17	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 24.16	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 25.15	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 26.14	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 27.13	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 28.12	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 29.11	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 30.10	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 31.9	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 32.8	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 33.7	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 34.6	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 35.5	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 36.4	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 37.3	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 38.2	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 39.1	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 41	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 10	-46595.4805	-23.94409752	1.644137621	0.042382132	-3.3873827
## 50	-21159.4512	4.74141884	0.000005960	0.000069400	-12.4482203
## 51	14451.5439	6.98467827	-0.000002810	0.000075800	-13.0286875
## 58	26027.3887	-0.82201898	-0.000003230	0.000152208	-13.0906181
## 44	-1288.8760	8.01227760	-0.000000266	0.000152960	-10.1924591
## 49	-36713.5977	-3.09176445	0.000000412	0.002017397	-7.3563995
## 9	-32889.9570	-2.73983502	0.000000047	0.000119885	-10.1610279

## 58.1	26027.3887	-0.82201898	-0.000003230	0.000152208	-13.0906181
## 59	26027.3887	-0.82201898	-0.000003230	0.000152208	-13.0906181
## 74	-28428.6230	-4.58445215	-0.000001880	0.000683689	-10.3687239
## 76	19825.3730	4.75739527	-0.000000580	0.003388412	-6.8701472
## 88	43051.8086	5.89955997	0.000001560	0.000087400	-13.5700083
## 83	64239.5781	-0.58942503	0.000001730	0.000130418	-12.3512850
## 89	-17749.6250	7.83231354	-0.000001600	0.000106549	-12.8747549
## 79	7015.9453	20.91967010	-0.000000690	0.000136570	-11.9436617
## 76.1	19825.3730	4.75739527	-0.000000580	0.003388412	-6.8701472
## 77	19825.3730	4.75739527	-0.000000580	0.003388412	-6.8701472
## 73	-89242.6250	-9.01214981	0.000002110	0.060678143	-4.7703028
## 72	15473.6260	0.25549564	-0.000003410	0.000113809	-12.5452776
## 71	8421.0967	5.91725111	-0.000000243	0.000247761	-11.6614838
## 96	-42235.0156	-10.35196209	0.000000534	0.029454067	-5.6040483
## 74.1	-28428.6230	-4.58445215	-0.000001880	0.000683689	-10.3687239
## 75	-28428.6230	-4.58445215	-0.000001880	0.000683689	-10.3687239
## 104	-392778.3125	-16.62639427	-0.000000087	0.000604940	-11.1227541
## 119	53886.4023	-8.84142494	5.835015774	0.000283659	-10.2410088
## 129	319248.8438	5.85145760	-0.000071300	0.000107036	-14.9637795
## 128	-333892.9063	-2.01896501	-0.000054000	0.000474915	-11.1544075
## 122	0.0000	-16.95399094	0.000009220	0.000141384	-11.4739199
## 142	-353059.6563	-16.74945641	0.000002750	0.000088600	-13.9438162
## 150	-99356.8047	-31.55293274	-0.000003980	0.000069400	-12.7543430
## 121	-193920.1094	-46.65623856	67.011619570	0.049198341	4.5895567
## 167	-159584.4844	-25.95189667	37.630142210	0.035772979	4.9654517
## 121.1	-193920.1094	-46.65623856	67.011619570	0.049198341	4.5895567
## 154	-193920.1094	-46.65623856	67.011619570	0.049198341	4.5895567
## 142.1	-353059.6563	-16.74945641	0.000002750	0.000088600	-13.9438162
## 146	-353059.6563	-16.74945641	0.000002750	0.000088600	-13.9438162
## 119.1	53886.4023	-8.84142494	5.835015774	0.000283659	-10.2410088
## 120	53886.4023	-8.84142494	5.835015774	0.000283659	-10.2410088
## 177	-68080.8828	-3.93105221	0.000000430	0.000160206	-12.2970314
## 174	-142675.7500	-4.29944849	-0.000000075	0.002140116	-10.1356468
## 175	148028.3281	19.59744835	0.000001350	0.000201617	-11.7380791
## 176	-206629.4219	2.99221897	0.000001170	0.000223050	-12.8166733
## 135	-1255682.2500	-13.35195160	-0.000024900	0.001185898	-11.0445490
## 169	-42126.4023	1.88681924	0.000001930	0.003815391	-8.0714083
## 196	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 196.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 196.2	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 198	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 196.3	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197.2	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 198.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 199	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 196.4	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197.3	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 198.2	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 199.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 200	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 195	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 206	-672825.3750	1.99243832	0.000097200	0.000353837	-13.7292814



## 208	71157.6094	5.79452038	-0.000007770	0.000277966	-13.6150074
## 213	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 213.1	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 214	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 213.2	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 214.1	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 215	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 217	-337366.1563	1.35973573	-0.000077900	0.000254045	-14.1079502
## 217.1	-337366.1563	1.35973573	-0.000077900	0.000254045	-14.1079502
## 218	-337366.1563	1.35973573	-0.000077900	0.000254045	-14.1079502
## 231	150975.9688	-7.17707062	0.000103078	0.000337585	-13.0991030
## 242	397577.2188	5.04462385	0.000044900	0.000078100	-14.2580070
## 250	-37147.4922	16.52621841	0.000106028	0.000166704	-12.8092108
## 223	352959.7500	-1.29230070	-0.000059400	0.000280245	-12.7646895
## 238	-164177.1406	-2.24383521	0.000000828	0.000176537	-12.1086817
## 246	-220140.7969	-7.37130690	0.000079300	0.000755966	-12.4515410
## 246.1	-220140.7969	-7.37130690	0.000079300	0.000755966	-12.4515410
## 260	-220140.7969	-7.37130690	0.000079300	0.000755966	-12.4515410
## 282	1078.0446	-12.70327950	0.000113507	0.000225279	-13.0476475
## 284	-427117.3438	8.70615768	2.334682465	1.637011290	-0.8955541
## 196.5	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197.4	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 198.3	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 199.2	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 200.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 201	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 195.1	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 202	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 238.1	-164177.1406	-2.24383521	0.000000828	0.000176537	-12.1086817
## 254	-164177.1406	-2.24383521	0.000000828	0.000176537	-12.1086817
## 296	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 237	-50077.0078	-12.76410961	0.000001250	0.000098100	-12.6324120
## 296.1	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 297	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 275	-137656.4063	-0.51997232	-0.000090900	0.000441148	-13.0128565
## 296.2	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 297.1	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 299	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 237.1	-50077.0078	-12.76410961	0.000001250	0.000098100	-12.6324120
## 298	-50077.0078	-12.76410961	0.000001250	0.000098100	-12.6324120
## 292	-46614.3750	-1.01335430	0.000000313	0.009930831	-6.8474779
## 195.2	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 202.1	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 293	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 317	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 316	62764.1094	7.85454893	-0.000002940	0.049880557	-5.3606892
## 322	-1380653.6250	-55.39665604	-0.000059000	0.072275929	-6.8517003
## 324	-2049527.2500	-4.30015135	0.000041900	0.000581511	-13.2324886
## 329	-9423.4951	5.32161379	-0.000020400	0.000150924	-14.7269640
## 337	-217192.5781	1.70000946	0.000043500	0.015390849	-7.0701747
## 355	-297980.5000	-6.11942768	26.118364330	0.000612668	-1.4698482
## 322.1	-1380653.6250	-55.39665604	-0.000059000	0.072275929	-6.8517003
## 323	-1380653.6250	-55.39665604	-0.000059000	0.072275929	-6.8517003
## 320	222584.2344	59.17531967	0.000004970	0.000136071	-13.0699186

## 317.1	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 318	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 319	250344.2656	-19.15022850	0.000004850	0.000342542	-11.7982397
## 317.2	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 318.1	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 375	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 393	-420722.0938	-3.19058800	0.000043000	0.006755780	-9.9810848
## 316.1	62764.1094	7.85454893	-0.000002940	0.049880557	-5.3606892
## 321	62764.1094	7.85454893	-0.000002940	0.049880557	-5.3606892
## 381	125529.3281	-18.40937805	0.000004690	0.000441273	-10.4061813
## 399	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 399.1	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 400	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 402	-1033525.1250	-22.40302658	-0.000029400	0.003022870	-10.4815922
## 408	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 408.1	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 409	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 417	-472244.5625	-18.68099022	-0.000044700	0.010335393	-9.6409569
## 411	-330447.6250	-12.25187206	0.000044100	0.001296534	-11.9788151
## 408.2	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 409.1	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 410	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 431	78613.1406	-2.90849566	-0.000088300	0.000099900	-14.9104881
## 435	-1742444.2500	-4.96019554	-0.000041100	0.000136737	-14.8969488
## 433	69452.2031	-4.23010302	0.000096100	0.000241874	-14.1124249
## 427	-193273.5938	4.23601675	0.000059600	0.000074400	-15.1621132
## 447	-615633.1250	-6.46836424	0.000052500	0.003049831	-10.5733414
## 449	-942247.9375	-9.46579647	0.000060100	0.000795006	-13.0145741
## 465	499905.2188	5.18971539	0.000051700	0.000137841	-14.5231752
## 470	201948.3594	-2.21289349	0.000083800	0.000182018	-14.3105516
## 460	-1125226.8750	-4.85250664	-0.000046400	0.000257150	-14.2918320
## 479	-998371.2500	-21.05027008	1.282643914	0.044499028	-6.2340851
## 402.1	-1033525.1250	-22.40302658	-0.000029400	0.003022870	-10.4815922
## 403	-1033525.1250	-22.40302658	-0.000029400	0.003022870	-10.4815922
## 502	-355061.4375	-3.04329419	-0.000044200	0.000399113	-13.0535011
## 502.1	-355061.4375	-3.04329419	-0.000044200	0.000399113	-13.0535011
## 503	-355061.4375	-3.04329419	-0.000044200	0.000399113	-13.0535011
## 497	-120758.9219	-6.76059294	0.000002850	0.000305220	-12.3302431
## 514	-42923.7891	2.01173878	0.000010400	0.000415191	-13.3427687
## 507	200186.3594	-11.72436428	0.000007600	0.001044622	-10.2197380
## 399.2	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 400.1	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 401	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 497.1	-120758.9219	-6.76059294	0.000002850	0.000305220	-12.3302431
## 508	-120758.9219	-6.76059294	0.000002850	0.000305220	-12.3302431
## 495	-326423.1250	5.66217423	-0.000006750	0.000135984	-14.2030392
## 572	-330244.4375	2.45884919	27.807435990	0.039935388	-4.7214327
## 574	262550.5938	7.88517761	-0.000002560	0.000080800	-13.4022741
## 574.1	262550.5938	7.88517761	-0.000002560	0.000080800	-13.4022741
## 575	262550.5938	7.88517761	-0.000002560	0.000080800	-13.4022741
## 579	-303237.4063	-15.10211372	-0.000001920	0.000194976	-14.1977224
## 579.1	-303237.4063	-15.10211372	-0.000001920	0.000194976	-14.1977224
## 582	-303237.4063	-15.10211372	-0.000001920	0.000194976	-14.1977224
## 586	-519864.0313	0.64954484	-0.000027300	0.038895547	-6.3168163

## 572.1	-330244.4375	2.45884919	27.807435990	0.039935388	-4.7214327
## 573	-330244.4375	2.45884919	27.807435990	0.039935388	-4.7214327
## 599	76634.3984	-5.76430321	0.000003110	0.000503479	-9.2291803
## 612	-204899.0938	-17.15538216	-0.000113173	0.000069400	-13.4635649
## 617	-49734.8984	-9.78854179	-0.000002460	0.579986036	-3.3002179
## 616	-1105880.7500	0.10947923	0.000002820	0.001572348	-11.5731001
## 641	-430827.9375	2.88754010	-0.000101030	0.000280273	-13.2893085
## 662	-1136059.2500	5.22174692	-0.000035200	0.000259387	-13.2627277
## 668	-1340936.6250	-0.69013280	-0.000015200	0.000256386	-13.8124352
## 678	-99176.8125	-4.79693508	0.000000396	0.001796776	-9.5153761
## 677	-32158.3828	6.05241966	0.000000455	0.000074600	-12.1635723
## 647	-16622.4551	36.09984970	-0.000000959	0.000383256	-9.5825891
## 700	-200252.7031	-2.01358724	0.000000943	0.000602274	-10.7102985
## 704	75841.7500	14.81197453	0.000025900	0.000385275	-11.5570612
## 709	-53993.0820	-13.47067738	0.000013300	0.000115511	-12.9954586
## 732	-8782.1895	2.38139367	0.000004200	0.000146764	-12.7155456
## 806	-54534.6641	-6.92371368	-0.000013500	0.021733603	-6.0281777
## 700.1	-200252.7031	-2.01358724	0.000000943	0.000602274	-10.7102985
## 701	-200252.7031	-2.01358724	0.000000943	0.000602274	-10.7102985
## 851	6437.0010	9.63549709	0.000069100	0.000483674	-13.2492905
## 859	-16332.6035	-5.03932953	0.000003650	0.022159085	-2.4630198
## 887	-705492.0625	20.24237633	0.000028800	0.000163981	-13.9571419
## 894	780628.4375	61.49076843	0.000014800	0.000069400	-15.2514105
## 896	-249928.9531	9.43860340	0.000029700	0.000097000	-14.9543238
## 899	-297690.3125	-5.35214138	0.000000822	0.000588747	-11.3383188
## 901	-516762.9688	-1.29091239	-0.000010800	0.000479406	-11.8017168
## 910	-377935.0313	4.01940203	0.000019300	0.000192286	-13.5848351
## 894.1	780628.4375	61.49076843	0.000014800	0.000069400	-15.2514105
## 900	780628.4375	61.49076843	0.000014800	0.000069400	-15.2514105
## 917	-17485.6836	-2.72950053	0.000011500	0.000075300	-11.9389715
## 926	-74455.6484	2.87475324	0.000000128	0.000299446	-12.0227032
## 892	-36551.0391	-4.96048451	0.000009550	0.000158264	-12.7985907
## 945	-117931.8203	-29.83846474	0.000026600	0.000235266	-11.1416712
## 937	-345436.0313	-0.44927871	-0.000012600	0.000363520	-12.4182177
## 908	-256814.5938	0.04112300	0.000027500	0.002704006	-9.5559616
## 958	57463.3047	5.51062250	-0.000010400	0.000243565	-9.3706207
## 971	-6301.5771	-14.99911118	-0.000001940	0.001020668	-8.5070028
## 985	707273.0625	5.12070417	0.000027900	0.000254554	-12.9628639
## 1019	-170434.7656	11.64429665	0.000047000	0.000335532	-12.6202364
## 1039	-98812.0859	1.63303125	0.000007070	0.000250155	-13.4002228
## 1017	876029.0000	11.21601868	-0.000090500	0.000081600	-15.0087032
## 1097	67377.1953	0.64926851	0.000006080	0.000659201	-11.3829222
## 1135	-382027.2500	2.07383943	0.000011000	0.000177334	-13.7535725
## 1135.1	-382027.2500	2.07383943	0.000011000	0.000177334	-13.7535725
## 1136	-382027.2500	2.07383943	0.000011000	0.000177334	-13.7535725
## 1139	1020102.5630	13.05125904	0.000001010	0.000069400	-14.3422136
## 1139.1	1020102.5630	13.05125904	0.000001010	0.000069400	-14.3422136
## 1140	1020102.5630	13.05125904	0.000001010	0.000069400	-14.3422136
## 1145	-70581.7188	-6.46780062	-0.000022700	0.000126602	-13.1852674
## 1143	-27436.6250	-3.55824971	-0.000029000	0.000116253	-13.3393126
## 1145.1	-70581.7188	-6.46780062	-0.000022700	0.000126602	-13.1852674
## 1146	-70581.7188	-6.46780062	-0.000022700	0.000126602	-13.1852674
## 1138	7838.0435	8.50407124	0.000019000	0.000152148	-13.5109024
## 1167	-1411499.1250	-5.28361130	-0.000039600	0.000373825	-13.9993448

## 1173	616810.8750	46.66891861	0.000021900	0.000073100	-14.5210304
## 1175	-132289.6250	-9.05194473	-0.000028800	0.000113711	-13.4519196
## 1178	-348702.0625	3.57890511	0.000023000	0.000203616	-13.2047472
## 1217	-151005.1719	1.45171773	-0.000000675	0.000197111	-13.6723089
## 1211	-93292.4766	-1.60528505	8.785606384	0.001371376	-9.6239119
## 1131	263937.3125	0.44499826	-0.000050400	0.000277849	-12.8946762
## 1250	-215752.4375	-22.07986259	0.000000707	0.000301431	-11.5083132
## 1253	-3619.5576	0.53996175	-0.000001150	0.000152816	-11.3770847
## 1268	-374299.6563	-6.53344059	0.000059900	0.000069400	-14.1919861
## 1248	7124.8848	-1.19340050	0.807552814	0.005475885	-6.3420811
## 1249	12096.1689	-7.61158037	0.000000386	0.000106685	-11.1952515
## 1216	-503438.4063	-55.77379990	27.283014300	0.007376084	-7.1458535
## 1216.1	-503438.4063	-55.77379990	27.283014300	0.007376084	-7.1458535
## 1280	-503438.4063	-55.77379990	27.283014300	0.007376084	-7.1458535
## 1266	-497030.9375	0.56007123	0.000024100	0.000494969	-12.7040644
## 1293	-179397.5781	-1.26669717	0.000010300	0.000621038	-12.0667973
## 1295	-303481.5938	-21.75428200	0.000026000	0.004786939	-9.0241051
## 1295.1	-303481.5938	-21.75428200	0.000026000	0.004786939	-9.0241051
## 1296	-303481.5938	-21.75428200	0.000026000	0.004786939	-9.0241051
## 1305	-398081.4063	-16.03876305	-0.000043500	0.002174671	-9.8456030
## 1308	-195956.3906	-3.33313537	-0.000062300	0.000335983	-12.8352308
## 1308.1	-195956.3906	-3.33313537	-0.000062300	0.000335983	-12.8352308
## 1309	-195956.3906	-3.33313537	-0.000062300	0.000335983	-12.8352308
## 1311	502419.1875	15.49443340	0.000040200	0.000691667	-11.2766056
## 1315	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1315.1	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1316	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1318	-529805.7500	-12.08076668	-0.000004770	0.001788831	-10.9319649
## 1320	-94420.2422	-11.25122547	-0.000007630	0.004364140	-8.7573624
## 1315.2	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1316.1	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1317	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1327	-379618.7500	-14.19174767	-0.000027800	0.002524939	-9.8339672
## 1341	-160316.7031	2.22009492	0.000017700	0.000333753	-12.4572878
## 1345	-136679.2188	7.47208357	0.000000435	0.000325264	-12.4808969
## 1350	-144807.3594	10.84206104	0.000017700	0.000094600	-14.9173593
## 1408	283629.5000	-4.99553728	0.000121696	0.003389980	-11.3026581
## 1438	-262914.4063	-5.99620199	0.000001980	0.000840533	-11.3610420
## 1443	-276279.2188	-5.38849735	0.000004090	0.000529067	-12.1747894
## 1443.1	-276279.2188	-5.38849735	0.000004090	0.000529067	-12.1747894
## 1444	-276279.2188	-5.38849735	0.000004090	0.000529067	-12.1747894
## 1290	-159192.8438	-14.25900841	-0.000007270	0.000097800	-13.2548838
## 1465	108422.0156	21.32862282	0.000005920	0.000191507	-12.6857138
## 1474	-41726.0742	1.97406042	0.000046900	0.000178703	-14.3164988
## 1474.1	-41726.0742	1.97406042	0.000046900	0.000178703	-14.3164988
## 1475	-41726.0742	1.97406042	0.000046900	0.000178703	-14.3164988
## 1485	244887.4531	-0.88826227	-0.000016900	0.000158183	-14.6046963
## 1503	-3598.5325	-5.89125776	-0.000006880	0.000973270	-9.4210615
## 1506	-16170.9951	4.72478104	-0.000000894	0.000113933	-10.1848612
## 1509	-1133425.3750	12.53791142	0.000070100	0.001049840	-11.4982214
## 1533	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1533.1	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1534	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1533.2	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005

## 1534.1	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1537	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1533.3	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1534.2	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1537.1	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1539	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1545	-332538.1563	-24.35781097	-0.000001820	0.033584241	-7.2992802
## 1545.1	-332538.1563	-24.35781097	-0.000001820	0.033584241	-7.2992802
## 1546	-332538.1563	-24.35781097	-0.000001820	0.033584241	-7.2992802
## 1548	-296464.2188	-18.53921318	0.000024200	0.000618839	-11.8621435
## 1552	264343.3750	14.05847645	-0.000016100	0.000384459	-11.9720211
## 1552.1	264343.3750	14.05847645	-0.000016100	0.000384459	-11.9720211
## 1557	264343.3750	14.05847645	-0.000016100	0.000384459	-11.9720211
## 1571	-162735.4375	-8.94692993	0.000000947	0.015232516	-6.6445465
## 1580	-1292861.5000	-13.47309971	0.000019000	0.000213030	-14.2670631
## 1570	-342876.3125	-7.04345226	0.000008180	0.022250712	-5.3804922
## 1584	-1517299.0000	-13.05653667	-0.000111221	0.000345783	-13.6791010
## 1584.1	-1517299.0000	-13.05653667	-0.000111221	0.000345783	-13.6791010
## 1606	-1517299.0000	-13.05653667	-0.000111221	0.000345783	-13.6791010
## 1609	-350899.0625	-2.02236056	-0.000011800	0.002325017	-10.5183659
## 1612	318685.4375	17.34628296	-0.000042200	0.000263789	-12.6170788
## 1624	-33786.8789	-5.71032810	0.000025600	0.000132238	-14.1989737
## 1629	-352826.5313	-0.51004791	0.000051400	0.000959457	-11.6735048
## 1631	-356086.0625	-0.40550131	-0.000028100	0.001124689	-11.5864897
## 1642	10847.8604	6.28349447	-0.000010000	0.181926832	-1.9628924
## 1663	-857.0179	-57.61546707	0.000014400	0.000069400	-10.4748630
## 1702	-148880.5625	-8.87737846	-0.000027900	0.010932861	-8.4840765
## 1700	-27205.4492	-2.14547038	-0.000056600	0.013983784	-8.4665155
## 1719	-34371.5938	-4.79172325	-0.000005410	0.000572221	-8.8882675
## 1719.1	-34371.5938	-4.79172325	-0.000005410	0.000572221	-8.8882675
## 1720	-34371.5938	-4.79172325	-0.000005410	0.000572221	-8.8882675
## 1731	-1110.9738	4.94336748	0.000007530	0.000095500	-14.0690584
## 1742	-96552.6719	-3.70900536	0.000003030	0.001486322	-11.0321188
## 1698	-27527.3535	-16.24205780	-0.000003810	0.000096500	-12.2487459
## 1749	5627.8193	0.97292262	16.756456380	0.001709752	-6.4068780
## 1741	-300253.6250	-31.71274376	45.981792450	0.000816281	-1.2816731
## 1768	-608212.8750	-11.52642345	0.000089700	0.000700067	-11.8250237
## 1807	-100159.1172	-5.42002487	-0.000002330	0.000408339	-11.5218020
## 1771	120621.7656	21.36502266	-0.000007580	0.000110617	-11.9929361
## 1814	-243822.9844	-45.94911575	3.445462465	0.068540350	-5.4699574
## 1830	649479.8125	0.34171569	0.000092900	0.000093000	-14.7779589
## 1848	-686820.0000	-12.17268467	-0.000006570	0.002056874	-10.9509459
## 1853	-768991.8750	-24.59495354	-0.000013800	0.000988578	-11.7882290
## 1863	-1230748.1250	-51.11015320	14.337605480	0.026983807	-5.9340558
## 1862	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
## 1862.1	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
## 1867	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
## 1865	-1483144.1250	-7.83096743	18.420358660	0.001100297	-10.3664436
## 1862.2	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
## 1867.1	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
## 1868	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
## 1862.3	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
## 1867.2	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
## 1868.1	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243

## 1872	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
## 1879	-110225.2500	1.43302798	0.000015600	0.000289554	-12.7118759
## 1911	-176536.6719	-1.67089903	-0.000006110	0.000403951	-10.9002237
## 1952	-394838.0313	2.59966064	3.167670012	0.021208528	-4.7556763
## 1954	-53880.1016	3.19369006	0.000000255	0.000148832	-13.6719046
## 1973	328964.9688	-3.21735024	0.000006700	0.000232209	-13.1303673
## 1989	497023.8750	6.09779835	0.000004170	0.000116173	-13.6503973
## 1994	-624272.1250	-5.28700590	0.000044200	0.000382498	-13.2030096
## 1996	-708468.2500	-3.60294223	-0.000054700	0.000340101	-13.1782332
## 1998	-385365.9063	-6.37694931	-0.000076900	0.000326995	-13.5741558
## 1998.1	-385365.9063	-6.37694931	-0.000076900	0.000326995	-13.5741558
## 1999	-385365.9063	-6.37694931	-0.000076900	0.000326995	-13.5741558
## 2001	-412767.9688	-9.83996010	-0.000089600	0.000307598	-13.4402342
## 2021	-60443.2656	-2.35914516	-0.000046400	0.000485304	-12.5709257
## 2015	-115914.0547	0.96256149	-0.000074400	0.000321042	-13.1731205
## 2029	-829497.6875	-12.78416538	0.000023400	0.005524948	-9.3295193
## 2034	-181661.0156	-2.61310482	0.000027300	0.000229883	-12.8438053
## 2039	-603399.8125	2.35208082	0.000119407	0.000267625	-13.7530727
## 2045	-618424.2500	-1.67891407	0.000003520	0.002733325	-11.1579723
## 2064	-202564.4219	-14.73294830	-0.000004530	0.004611271	-9.6274681
## 2062	-18625.7461	3.18887425	-0.000002870	0.000114212	-14.1611948
## 2069	-170883.9531	1.87987030	-0.000057900	0.005310018	-9.2099400
## 2064.1	-202564.4219	-14.73294830	-0.000004530	0.004611271	-9.6274681
## 2070	-202564.4219	-14.73294830	-0.000004530	0.004611271	-9.6274681
## 2101	24732.6172	6.58964157	-0.000000370	0.000145915	-13.3254004
## 2110	-84717.9219	1.17440748	-0.000002850	0.000169242	-13.2929335
## 2113	-187449.2656	-7.63731909	0.000003160	0.000114623	-12.3246946
## 2131	12220.3144	4.73195076	-0.000002500	0.000985521	-8.9762030
## 2131.1	12220.3144	4.73195076	-0.000002500	0.000985521	-8.9762030
## 2132	12220.3144	4.73195076	-0.000002500	0.000985521	-8.9762030
## 2135	-38440.8594	-2.70740724	0.000005740	0.000623964	-11.2645636
## 2145	33331.4570	12.19337273	-0.000001290	0.000100845	-13.4001970
## 2153	49869.8359	7.50048828	0.000000986	0.000075900	-12.4057875
## 2162	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2162.1	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2163	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2168	-380531.5625	0.08682215	-0.000084200	0.000260904	-13.4131508
## 2168.1	-380531.5625	0.08682215	-0.000084200	0.000260904	-13.4131508
## 2169	-380531.5625	0.08682215	-0.000084200	0.000260904	-13.4131508
## 2179	-184303.2813	0.54547661	-0.000072100	0.000132482	-13.8033838
## 2178	-203352.8906	2.44259739	0.000004340	0.001630949	-10.6953621
## 2182	-333049.0313	2.11630797	-0.000111950	0.001004151	-11.8426333
## 2162.2	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2163.1	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2164	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2187	-1763754.8750	1.93646193	-0.000093400	0.000394824	-13.4476709
## 2162.3	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2163.2	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2164.1	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2184	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2174	-367960.1250	-46.19875717	-0.000095900	0.000527096	-11.9734535
## 2179.1	-184303.2813	0.54547661	-0.000072100	0.000132482	-13.8033838
## 2180	-184303.2813	0.54547661	-0.000072100	0.000132482	-13.8033838
## 2212	-333148.3750	-2.07379913	0.000043400	0.001243250	-11.1075764

##	2229	-56507.2305	-3.19164967	0.000017600	0.000261245	-13.5670500
##	2229.1	-56507.2305	-3.19164967	0.000017600	0.000261245	-13.5670500
##	2230	-56507.2305	-3.19164967	0.000017600	0.000261245	-13.5670500
##	2237	30427.5098	3.40451789	0.000023800	0.013276516	-7.4041862
##	2247	335008.6250	6.47655344	0.000017400	0.000072100	-13.9863892
##	2252	9810.7695	-17.37998581	0.000002670	0.014286174	-7.7563615
##	2275	-117198.8594	-1.76848066	-0.000049500	0.000140495	-13.2429800
##	2282	-498640.4688	-2.91673064	-0.000023800	0.006262640	-9.1595211
##	2273	-22226.4668	-4.84087658	0.000008010	0.000328566	-12.6154957
##	2273.1	-22226.4668	-4.84087658	0.000008010	0.000328566	-12.6154957
##	2285	-22226.4668	-4.84087658	0.000008010	0.000328566	-12.6154957
##	2287	166413.9531	-2.88832140	-0.000014400	0.003250627	-10.1016321
##	2292	-26975.2441	-49.84119034	-0.000004290	0.002587592	-8.4292793
##	2297	-140369.3750	2.55377531	-0.000019100	0.000188386	-13.5505695
##	2300	-285946.5625	-10.13255978	0.000057800	0.000778675	-11.5561295
##	2302	-609854.1250	-1.81695843	0.000008370	0.001879398	-10.7261105
##	2308	-424409.2500	0.80984557	0.000024300	0.000652171	-11.5884647
##	2308.1	-424409.2500	0.80984557	0.000024300	0.000652171	-11.5884647
##	2309	-424409.2500	0.80984557	0.000024300	0.000652171	-11.5884647
##	2323	-689185.8750	2.00919437	0.000010100	0.000635098	-10.7587175
##	2339	1804.1683	-4.41420651	-0.000009440	0.000379446	-10.2334919
##	2357	-71839.2656	-3.13034630	0.000006020	0.000170348	-12.7669029
##	2360	199380.2500	4.03505993	-0.000000771	0.000129129	-13.9804516
##	2349	-61848.2266	3.27576804	0.000001950	0.000436495	-11.6511431
##	2367	91184.2812	8.06350136	0.000000553	0.000231385	-10.1164131
##	2366	-61540.0664	-22.31932068	0.000001520	0.004824794	-6.6586480
##	2380	-45146.2188	4.03650856	-0.000002340	0.000134919	-13.4667311
##	2418	-10370.5010	-5.07705498	0.000001870	0.000460462	-9.6610250
##	2433	-2195.2964	0.03099702	-0.000001180	0.002528172	-6.6361346
##	2442	6716.2822	0.03154106	0.000001150	0.003617719	-7.9915462
##	2450	-42914.8555	-3.10049844	9.557948112	0.007848868	-4.5137620
##	2463	93696.8906	-7.87081099	0.000056800	0.002965976	-9.8308678
##	2480	-181369.6875	-1.57449520	-0.000028200	0.000787703	-10.3009224
##	2493	-526584.6875	0.30205137	0.000077400	0.000418728	-12.7022123
##	2504	-358328.6250	2.28824401	-0.000060500	0.002093703	-10.2787504
##	2508	-48152.3242	2.93971872	0.000000179	0.000421248	-11.4497461
##	2512	-148485.9375	3.41075039	-0.000062700	0.003230575	-9.2207270
##	2525	-414739.1250	-0.76609331	-0.000029600	0.020909466	-8.0150108
##	2533	-24751.9609	-43.45345306	13.784435270	0.000131633	-10.2592907
##	2541	-71636.0547	-7.21492338	0.000024600	0.000114573	-12.6473236
##	2548	-9133.1846	4.83804321	-0.000004740	0.000113127	-13.4894371
##	2556	-642365.3125	1.64069212	-0.000019400	0.000343923	-12.3610640
##	2568	-11312.0410	-3.57965159	-0.000009250	0.000096700	-13.9505119
##	2574	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2573	-399668.9063	2.59922361	-0.000000964	0.000781423	-9.2208910
##	2574.1	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2575	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2585	-7738.5024	5.90000486	0.000014700	0.000261483	-11.7290812
##	2574.2	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2575.1	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2579	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2574.3	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2575.2	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2579.1	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131

## 2591	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
## 2574.4	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	LSFactor	Channelnet	VerticalDistanceToChannelNetwork	ValleyDepth	
## 3	3.5095797	58.749149		40.0841331	385.746094
## 3.1	3.5095797	58.749149		40.0841331	385.746094
## 4	3.5095797	58.749149		40.0841331	385.746094
## 2	9.1567621	42.972237		0.0000000	600.309082
## 11	4.3948388	13.396474		1.2146358	966.471191
## 11.1	4.3948388	13.396474		1.2146358	966.471191
## 12	4.3948388	13.396474		1.2146358	966.471191
## 11.2	4.3948388	13.396474		1.2146358	966.471191
## 12.1	4.3948388	13.396474		1.2146358	966.471191
## 13	4.3948388	13.396474		1.2146358	966.471191
## 11.3	4.3948388	13.396474		1.2146358	966.471191
## 12.2	4.3948388	13.396474		1.2146358	966.471191
## 13.1	4.3948388	13.396474		1.2146358	966.471191
## 14	4.3948388	13.396474		1.2146358	966.471191
## 11.4	4.3948388	13.396474		1.2146358	966.471191
## 12.3	4.3948388	13.396474		1.2146358	966.471191
## 13.2	4.3948388	13.396474		1.2146358	966.471191
## 14.1	4.3948388	13.396474		1.2146358	966.471191
## 15	4.3948388	13.396474		1.2146358	966.471191
## 17	3.6081157	14.076872		21.5342541	944.385254
## 11.5	4.3948388	13.396474		1.2146358	966.471191
## 12.4	4.3948388	13.396474		1.2146358	966.471191
## 13.3	4.3948388	13.396474		1.2146358	966.471191
## 14.2	4.3948388	13.396474		1.2146358	966.471191
## 15.1	4.3948388	13.396474		1.2146358	966.471191
## 16	4.3948388	13.396474		1.2146358	966.471191
## 17.1	3.6081157	14.076872		21.5342541	944.385254
## 18	3.6081157	14.076872		21.5342541	944.385254
## 17.2	3.6081157	14.076872		21.5342541	944.385254
## 18.1	3.6081157	14.076872		21.5342541	944.385254
## 21	3.6081157	14.076872		21.5342541	944.385254
## 17.3	3.6081157	14.076872		21.5342541	944.385254
## 18.2	3.6081157	14.076872		21.5342541	944.385254
## 21.1	3.6081157	14.076872		21.5342541	944.385254
## 22	3.6081157	14.076872		21.5342541	944.385254
## 17.4	3.6081157	14.076872		21.5342541	944.385254
## 18.3	3.6081157	14.076872		21.5342541	944.385254
## 21.2	3.6081157	14.076872		21.5342541	944.385254
## 22.1	3.6081157	14.076872		21.5342541	944.385254
## 23	3.6081157	14.076872		21.5342541	944.385254
## 17.5	3.6081157	14.076872		21.5342541	944.385254
## 18.4	3.6081157	14.076872		21.5342541	944.385254
## 21.3	3.6081157	14.076872		21.5342541	944.385254
## 22.2	3.6081157	14.076872		21.5342541	944.385254
## 23.1	3.6081157	14.076872		21.5342541	944.385254
## 24	3.6081157	14.076872		21.5342541	944.385254
## 17.6	3.6081157	14.076872		21.5342541	944.385254
## 18.5	3.6081157	14.076872		21.5342541	944.385254
## 21.4	3.6081157	14.076872		21.5342541	944.385254
## 22.3	3.6081157	14.076872		21.5342541	944.385254
## 23.2	3.6081157	14.076872		21.5342541	944.385254



113

114

115

[illegible]

## 30.10	3.6081157	14.076872	21.5342541	944.385254
## 31.9	3.6081157	14.076872	21.5342541	944.385254
## 32.8	3.6081157	14.076872	21.5342541	944.385254
## 33.7	3.6081157	14.076872	21.5342541	944.385254
## 34.6	3.6081157	14.076872	21.5342541	944.385254
## 35.5	3.6081157	14.076872	21.5342541	944.385254
## 36.4	3.6081157	14.076872	21.5342541	944.385254
## 37.3	3.6081157	14.076872	21.5342541	944.385254
## 38.2	3.6081157	14.076872	21.5342541	944.385254
## 39.1	3.6081157	14.076872	21.5342541	944.385254
## 41	3.6081157	14.076872	21.5342541	944.385254
## 10	13.3399019	21.338572	0.0000000	760.803223
## 50	2.8031087	70.817787	65.6544876	574.150391
## 51	3.0219593	63.222584	54.4441414	582.831055
## 58	3.7670958	77.322395	20.1772613	517.902344
## 44	3.7707832	12.244616	7.1998291	877.756348
## 49	6.3164306	14.669037	0.1920891	947.174316
## 9	3.8492124	14.977263	11.1616011	933.056152
## 58.1	3.7670958	77.322395	20.1772613	517.902344
## 59	3.7670958	77.322395	20.1772613	517.902344
## 74	5.0873408	45.219360	34.3085175	962.863281
## 76	8.9572792	20.440416	11.0318584	992.770019
## 88	3.2026157	31.627687	54.1780014	985.075684
## 83	3.4695573	30.790817	25.9592171	1003.427734
## 89	3.3781555	25.380423	24.2863293	996.455078
## 79	3.8614206	26.766226	37.1781158	976.761231
## 76.1	8.9572792	20.440416	11.0318584	992.770019
## 77	8.9572792	20.440416	11.0318584	992.770019
## 73	14.3328104	68.500061	0.0000000	1101.682617
## 72	3.5543027	51.975506	51.1357460	1048.321289
## 71	4.1526518	37.028900	21.4712181	1027.163574
## 96	10.7980995	27.734066	0.9604206	986.984375
## 74.1	5.0873408	45.219360	34.3085175	962.863281
## 75	5.0873408	45.219360	34.3085175	962.863281
## 104	4.7157321	10.659373	15.2293978	830.117676
## 119	4.9009938	29.610008	56.0028992	686.029785
## 129	3.5109534	1375.462402	2770.6137700	5.366821
## 128	4.4929304	1335.364990	1563.2739260	430.776611
## 122	3.8882666	1371.775635	1642.4929200	464.092285
## 142	3.1171672	29.242207	72.0075378	761.134277
## 150	2.8031108	102.129684	46.0370026	824.558106
## 121	0.9619693	105.650536	0.0000000	836.130371
## 167	0.6182029	105.657783	0.0000000	855.348144
## 121.1	0.9619693	105.650536	0.0000000	836.130371
## 154	0.9619693	105.650536	0.0000000	836.130371
## 142.1	3.1171672	29.242207	72.0075378	761.134277
## 146	3.1171672	29.242207	72.0075378	761.134277
## 119.1	4.9009938	29.610008	56.0028992	686.029785
## 120	4.9009938	29.610008	56.0028992	686.029785
## 177	3.6152833	84.910889	37.9779358	1165.734375
## 174	6.6952024	41.009056	6.1300659	818.617676
## 175	3.9849632	22.214806	145.8408203	590.382324
## 176	4.0663033	21.926952	23.7672005	755.234375
## 135	6.0873971	760.694336	0.0000000	1452.759521

## 169	8.2420053	79.460083	38.0399780	863.371582
## 196	5.3123331	63.293800	94.0949936	636.099121
## 196.1	5.3123331	63.293800	94.0949936	636.099121
## 197	5.3123331	63.293800	94.0949936	636.099121
## 196.2	5.3123331	63.293800	94.0949936	636.099121
## 197.1	5.3123331	63.293800	94.0949936	636.099121
## 198	5.3123331	63.293800	94.0949936	636.099121
## 196.3	5.3123331	63.293800	94.0949936	636.099121
## 197.2	5.3123331	63.293800	94.0949936	636.099121
## 198.1	5.3123331	63.293800	94.0949936	636.099121
## 199	5.3123331	63.293800	94.0949936	636.099121
## 196.4	5.3123331	63.293800	94.0949936	636.099121
## 197.3	5.3123331	63.293800	94.0949936	636.099121
## 198.2	5.3123331	63.293800	94.0949936	636.099121
## 199.1	5.3123331	63.293800	94.0949936	636.099121
## 200	5.3123331	63.293800	94.0949936	636.099121
## 195	3.8684175	30.673731	62.6875153	675.111328
## 206	4.4594350	1544.020996	1685.7854000	449.904175
## 208	4.2493000	1679.479614	1665.7423100	365.631592
## 213	4.7224898	1452.612671	1602.0548100	530.664551
## 213.1	4.7224898	1452.612671	1602.0548100	530.664551
## 214	4.7224898	1452.612671	1602.0548100	530.664551
## 213.2	4.7224898	1452.612671	1602.0548100	530.664551
## 214.1	4.7224898	1452.612671	1602.0548100	530.664551
## 215	4.7224898	1452.612671	1602.0548100	530.664551
## 217	4.1735091	1492.195679	1773.0833740	374.385620
## 217.1	4.1735091	1492.195679	1773.0833740	374.385620
## 218	4.1735091	1492.195679	1773.0833740	374.385620
## 231	4.4176950	1630.309692	1611.9410400	566.068115
## 242	2.9617653	1572.757202	1862.8541260	173.640869
## 250	4.0185127	1508.891113	1670.8308110	330.132080
## 223	4.4584489	1936.562622	1464.1043700	376.486450
## 238	3.8804867	14.449672	35.7726631	687.953613
## 246	5.5631733	1553.088257	1512.8275150	679.101440
## 246.1	5.5631733	1553.088257	1512.8275150	679.101440
## 260	5.5631733	1553.088257	1512.8275150	679.101440
## 282	4.0743976	1593.177979	1589.3774410	433.147461
## 284	33.0438385	45.640282	0.0000000	835.559082
## 196.5	5.3123331	63.293800	94.0949936	636.099121
## 197.4	5.3123331	63.293800	94.0949936	636.099121
## 198.3	5.3123331	63.293800	94.0949936	636.099121
## 199.2	5.3123331	63.293800	94.0949936	636.099121
## 200.1	5.3123331	63.293800	94.0949936	636.099121
## 201	5.3123331	63.293800	94.0949936	636.099121
## 195.1	3.8684175	30.673731	62.6875153	675.111328
## 202	3.8684175	30.673731	62.6875153	675.111328
## 238.1	3.8804867	14.449672	35.7726631	687.953613
## 254	3.8804867	14.449672	35.7726631	687.953613
## 296	3.6095810	11.458172	44.7639999	682.835449
## 237	3.4500062	15.006865	51.8957748	669.163574
## 296.1	3.6095810	11.458172	44.7639999	682.835449
## 297	3.6095810	11.458172	44.7639999	682.835449
## 275	4.6605382	1540.622681	2005.4881590	344.019653
## 296.2	3.6095810	11.458172	44.7639999	682.835449

## 297.1	3.6095810	11.458172	44.7639999	682.835449
## 299	3.6095810	11.458172	44.7639999	682.835449
## 237.1	3.4500062	15.006865	51.8957748	669.163574
## 298	3.4500062	15.006865	51.8957748	669.163574
## 292	9.9798069	14.717569	2.3934879	727.742188
## 195.2	3.8684175	30.673731	62.6875153	675.111328
## 202.1	3.8684175	30.673731	62.6875153	675.111328
## 293	3.8684175	30.673731	62.6875153	675.111328
## 317	4.9938359	106.812904	0.0000000	870.097656
## 316	16.4386654	69.361237	0.0000000	790.898438
## 322	13.5355205	1418.652588	5.6247559	2232.901611
## 324	4.9252777	1330.556519	724.3055420	1319.163818
## 329	3.6217792	1753.601807	711.4809570	1317.808594
## 337	10.8937559	2684.427734	90.8779297	963.953979
## 355	0.7710051	2196.795166	588.3232422	937.039185
## 322.1	13.5355205	1418.652588	5.6247559	2232.901611
## 323	13.5355205	1418.652588	5.6247559	2232.901611
## 320	3.8585956	89.535110	128.0755463	617.950195
## 317.1	4.9938359	106.812904	0.0000000	870.097656
## 318	4.9938359	106.812904	0.0000000	870.097656
## 319	4.6410789	91.151413	80.1265106	718.511231
## 317.2	4.9938359	106.812904	0.0000000	870.097656
## 318.1	4.9938359	106.812904	0.0000000	870.097656
## 375	4.9938359	106.812904	0.0000000	870.097656
## 393	9.2397509	1597.288818	205.5999756	1926.865356
## 316.1	16.4386654	69.361237	0.0000000	790.898438
## 321	16.4386654	69.361237	0.0000000	790.898438
## 381	5.3538556	87.861000	93.7501297	656.094238
## 399	4.7961726	32.938286	15.0616875	641.091797
## 399.1	4.7961726	32.938286	15.0616875	641.091797
## 400	4.7961726	32.938286	15.0616875	641.091797
## 402	7.8669987	2015.578613	403.2539063	1335.528442
## 408	13.4316235	2039.667358	0.0000000	1792.557373
## 408.1	13.4316235	2039.667358	0.0000000	1792.557373
## 409	13.4316235	2039.667358	0.0000000	1792.557373
## 417	8.7575893	1817.962891	19.5931397	1970.822021
## 411	5.7819715	1862.439819	74.2553711	1875.576904
## 408.2	13.4316235	2039.667358	0.0000000	1792.557373
## 409.1	13.4316235	2039.667358	0.0000000	1792.557373
## 410	13.4316235	2039.667358	0.0000000	1792.557373
## 431	3.4628382	1912.839111	544.9106445	1387.012939
## 435	3.5025470	2004.366821	273.4678955	1557.141968
## 433	4.1327300	1887.211914	370.0378418	1582.017944
## 427	2.9331574	1959.940918	768.9201660	1140.816040
## 447	7.8809819	1479.922363	541.8564453	1416.249023
## 449	5.0494504	1468.783325	346.5784912	1551.668701
## 465	3.6931343	1862.971313	425.3887939	1607.857544
## 470	3.9042895	2079.332520	839.6665039	832.405518
## 460	3.9741473	1889.592896	71.6280518	1832.635986
## 479	14.9915800	1721.782227	0.0000000	2079.415527
## 402.1	7.8669987	2015.578613	403.2539063	1335.528442
## 403	7.8669987	2015.578613	403.2539063	1335.528442
## 502	4.5681300	2104.619873	49.8527832	1812.846191
## 502.1	4.5681300	2104.619873	49.8527832	1812.846191

## 503	4.5681300	2104.619873	49.8527832	1812.846191
## 497	4.3295393	149.180038	32.4307404	914.197754
## 514	4.8230939	1948.570923	380.2337646	1604.439819
## 507	6.3608766	144.381119	38.6745148	904.876465
## 399.2	4.7961726	32.938286	15.0616875	641.091797
## 400.1	4.7961726	32.938286	15.0616875	641.091797
## 401	4.7961726	32.938286	15.0616875	641.091797
## 497.1	4.3295393	149.180038	32.4307404	914.197754
## 508	4.3295393	149.180038	32.4307404	914.197754
## 495	3.6831291	163.900787	117.5712891	910.107910
## 572	14.6706257	743.335266	0.0000000	2280.642090
## 574	3.0601373	679.558838	148.4966431	2183.432373
## 574.1	3.0601373	679.558838	148.4966431	2183.432373
## 575	3.0601373	679.558838	148.4966431	2183.432373
## 579	3.9583619	929.127625	72.0962524	2066.505859
## 579.1	3.9583619	929.127625	72.0962524	2066.505859
## 582	3.9583619	929.127625	72.0962524	2066.505859
## 586	14.5934267	750.611328	0.0000000	2268.301025
## 572.1	14.6706257	743.335266	0.0000000	2280.642090
## 573	14.6706257	743.335266	0.0000000	2280.642090
## 599	6.1174922	245.326553	26.0900726	1189.612305
## 612	2.8031127	2320.112793	410.0258789	1280.092285
## 617	22.5117168	285.610992	0.0000000	946.549805
## 616	6.2948580	2047.009277	341.5458984	1597.726563
## 641	4.2563319	2296.983398	248.6274414	1481.627075
## 662	4.1909161	2311.729736	444.4084473	1298.217041
## 668	3.9717832	741.943787	226.9723511	1241.527100
## 678	6.4650960	412.113586	23.9420776	789.310547
## 677	3.0120373	107.893517	21.0231247	663.795410
## 647	5.2050204	110.033295	6.1612015	571.786133
## 700	5.1955915	25.281536	5.8850689	605.083984
## 704	4.8615680	477.098938	294.0679321	1925.037598
## 709	3.4331629	382.586456	38.0800476	2073.481201
## 732	3.7397547	363.003632	30.3853760	1941.627930
## 806	12.9898338	554.111145	0.0000000	801.734375
## 700.1	5.1955915	25.281536	5.8850689	605.083984
## 701	5.1955915	25.281536	5.8850689	605.083984
## 851	4.7471142	2221.409180	1209.3127440	493.263061
## 859	13.9750853	141.083359	0.0000000	409.408691
## 887	3.8236496	491.806458	59.0259399	1988.955322
## 894	2.8031135	479.096680	420.9028320	1604.983154
## 896	3.3151453	489.501587	194.9983521	1846.677979
## 899	4.9374747	420.189392	18.6992798	2021.194580
## 901	4.9638295	419.038757	0.2947083	2013.012207
## 910	3.9473772	441.556885	94.4434204	1921.183105
## 894.1	2.8031135	479.096680	420.9028320	1604.983154
## 900	2.8031135	479.096680	420.9028320	1604.983154
## 917	2.9404607	376.756714	7.6599121	1924.747314
## 926	4.3130326	396.943237	33.6122437	1983.284668
## 892	3.7966070	399.659485	21.5630188	1983.156006
## 945	4.1098971	500.852814	11.3694763	1997.523193
## 937	4.4835777	533.260132	11.2680664	1980.872314
## 908	6.6976228	542.833740	15.6941528	2040.277832
## 958	4.7538595	365.926056	28.6572876	1776.454102



## 971	6.3314257	262.524048	14.7259216	1257.080566
## 985	4.4748454	1099.633179	588.7281494	333.002685
## 1019	5.0684118	1765.485474	1187.4874270	520.889648
## 1039	4.1606469	1228.303955	383.6121826	197.552246
## 1017	3.1586878	1689.599854	1340.0939940	327.048340
## 1097	5.0503640	442.959564	104.4013367	220.863281
## 1135	3.6894794	720.450562	39.8822632	724.706055
## 1135.1	3.6894794	720.450562	39.8822632	724.706055
## 1136	3.6894794	720.450562	39.8822632	724.706055
## 1139	2.8031132	1014.512512	767.4039917	86.253662
## 1139.1	2.8031132	1014.512512	767.4039917	86.253662
## 1140	2.8031132	1014.512512	767.4039917	86.253662
## 1145	3.8033345	639.365234	29.9954224	523.803223
## 1143	3.5694373	666.682678	56.2616577	527.416016
## 1145.1	3.8033345	639.365234	29.9954224	523.803223
## 1146	3.8033345	639.365234	29.9954224	523.803223
## 1138	3.7667999	653.255554	37.1606445	560.703125
## 1167	4.3421388	1256.931030	191.2918701	1569.187988
## 1173	2.9229994	804.948853	321.7182617	1486.761719
## 1175	3.5536926	514.235474	33.8759155	1873.526611
## 1178	3.7928793	554.088196	31.2734375	1910.007324
## 1217	3.9669940	70.366669	117.1886749	397.944824
## 1211	6.1250191	156.830887	63.4269409	325.142578
## 1131	4.2489433	2143.375977	409.9575195	1369.443359
## 1250	4.9609251	37.261658	4.4188614	544.536621
## 1253	5.1655202	33.727226	7.4578781	537.946289
## 1268	2.8031132	2155.558838	82.3857422	1697.003906
## 1248	8.8596087	179.331268	2.1151886	262.104004
## 1249	3.3329294	194.250244	13.4720001	203.884766
## 1216	10.4650764	128.388092	25.3392487	420.951660
## 1216.1	10.4650764	128.388092	25.3392487	420.951660
## 1280	10.4650764	128.388092	25.3392487	420.951660
## 1266	4.7690811	2384.735596	280.0139160	1385.268799
## 1293	5.2275701	1081.264893	90.4016113	1040.750244
## 1295	9.5981798	1392.301636	498.6156006	829.598144
## 1295.1	9.5981798	1392.301636	498.6156006	829.598144
## 1296	9.5981798	1392.301636	498.6156006	829.598144
## 1305	7.3655276	1038.017212	52.6494141	1017.920898
## 1308	4.4134951	1416.370850	651.7678223	708.480713
## 1308.1	4.4134951	1416.370850	651.7678223	708.480713
## 1309	4.4134951	1416.370850	651.7678223	708.480713
## 1311	5.8573966	1303.237671	666.3181152	597.810059
## 1315	3.7395265	1464.350830	489.1210938	932.103027
## 1315.1	3.7395265	1464.350830	489.1210938	932.103027
## 1316	3.7395265	1464.350830	489.1210938	932.103027
## 1318	6.4593692	999.700378	21.2435913	1027.642090
## 1320	8.4665184	938.833252	0.0000000	1028.854248
## 1315.2	3.7395265	1464.350830	489.1210938	932.103027
## 1316.1	3.7395265	1464.350830	489.1210938	932.103027
## 1317	3.7395265	1464.350830	489.1210938	932.103027
## 1327	7.5888391	1461.149414	216.1558838	1211.583740
## 1341	4.4076214	735.528625	165.7489014	365.025391
## 1345	4.3849678	780.528625	119.4987793	523.719727
## 1350	3.2540674	657.205078	223.2676392	95.475098

## 1408	6.6565018	2267.755371	414.0234375	1361.430298
## 1438	5.3018832	50.900997	65.9602508	440.154297
## 1443	5.0626559	58.625092	75.4300537	422.601562
## 1443.1	5.0626559	58.625092	75.4300537	422.601562
## 1444	5.0626559	58.625092	75.4300537	422.601562
## 1290	3.2752237	96.993759	133.1726837	320.841309
## 1465	3.9441731	184.897003	70.4082794	273.720703
## 1474	3.8899629	2318.796631	295.4545898	1442.437012
## 1474.1	3.8899629	2318.796631	295.4545898	1442.437012
## 1475	3.8899629	2318.796631	295.4545898	1442.437012
## 1485	3.6559660	2587.156006	831.9821777	800.671265
## 1503	5.4596581	226.493149	10.7012329	131.911621
## 1506	3.8102071	181.698624	34.3847199	236.086426
## 1509	5.8063178	2010.419434	1138.8303220	848.819214
## 1533	19.7392616	886.166321	0.0000000	930.060303
## 1533.1	19.7392616	886.166321	0.0000000	930.060303
## 1534	19.7392616	886.166321	0.0000000	930.060303
## 1533.2	19.7392616	886.166321	0.0000000	930.060303
## 1534.1	19.7392616	886.166321	0.0000000	930.060303
## 1537	19.7392616	886.166321	0.0000000	930.060303
## 1533.3	19.7392616	886.166321	0.0000000	930.060303
## 1534.2	19.7392616	886.166321	0.0000000	930.060303
## 1537.1	19.7392616	886.166321	0.0000000	930.060303
## 1539	19.7392616	886.166321	0.0000000	930.060303
## 1545	11.6119013	833.013123	4.5423584	786.327393
## 1545.1	11.6119013	833.013123	4.5423584	786.327393
## 1546	11.6119013	833.013123	4.5423584	786.327393
## 1548	4.9055281	848.869507	11.9083862	811.672852
## 1552	5.2082901	1094.914185	247.8640137	925.499756
## 1552.1	5.2082901	1094.914185	247.8640137	925.499756
## 1557	5.2082901	1094.914185	247.8640137	925.499756
## 1571	10.1432304	327.241882	3.6469421	568.887207
## 1580	4.0290933	2518.972900	100.5285645	1452.964233
## 1570	13.0510626	337.583282	0.0000000	592.571289
## 1584	4.6498294	2658.326660	115.6162109	1348.087646
## 1584.1	4.6498294	2658.326660	115.6162109	1348.087646
## 1606	4.6498294	2658.326660	115.6162109	1348.087646
## 1609	6.4983692	392.045258	23.0377197	539.750000
## 1612	4.2050433	878.940735	1055.3093260	17.118408
## 1624	3.8366055	1641.641479	258.7185059	1406.570801
## 1629	6.2536020	1577.534912	307.8532715	1362.462891
## 1631	5.8868470	1592.086182	221.2471924	1458.285645
## 1642	21.2940464	267.722168	0.0000000	1139.909668
## 1663	2.8028696	260.855957	8.8107300	923.984375
## 1702	9.4922447	2972.222412	0.0000000	1243.628540
## 1700	9.7454338	2717.083252	0.0000000	1466.243408
## 1719	5.6394539	224.572052	6.2334747	57.294434
## 1719.1	5.6394539	224.572052	6.2334747	57.294434
## 1720	5.6394539	224.572052	6.2334747	57.294434
## 1731	3.1644588	198.052612	162.0585022	176.415527
## 1742	6.2244191	103.964912	131.9521484	298.809082
## 1698	3.4389672	154.089188	8.9386292	324.069336
## 1749	6.5491085	103.446854	101.2540283	342.315430
## 1741	0.5864325	94.850517	109.8532028	341.714356

## 1768	5.1114855	2579.320557	26.9851074	1506.833130
## 1807	4.5890551	45.392975	127.4402618	365.084473
## 1771	3.3571515	42.250034	140.3332520	364.775391
## 1814	16.3443089	1811.834473	0.0000000	1318.423096
## 1830	3.2427108	996.675049	1121.2690430	62.676270
## 1848	6.7961617	755.209900	97.4010010	1175.378418
## 1853	5.4767303	1857.216431	25.6448975	1597.169189
## 1863	13.5643158	1746.322754	247.8758545	1411.580322
## 1862	7.4241080	1704.039185	306.6270752	1357.686279
## 1862.1	7.4241080	1704.039185	306.6270752	1357.686279
## 1867	7.4241080	1704.039185	306.6270752	1357.686279
## 1865	6.4272790	1789.064331	205.1342773	1448.729980
## 1862.2	7.4241080	1704.039185	306.6270752	1357.686279
## 1867.1	7.4241080	1704.039185	306.6270752	1357.686279
## 1868	7.4241080	1704.039185	306.6270752	1357.686279
## 1862.3	7.4241080	1704.039185	306.6270752	1357.686279
## 1867.2	7.4241080	1704.039185	306.6270752	1357.686279
## 1868.1	7.4241080	1704.039185	306.6270752	1357.686279
## 1872	7.4241080	1704.039185	306.6270752	1357.686279
## 1879	4.2841525	533.417969	46.6935425	589.049805
## 1911	4.7966924	164.859344	40.8072662	337.460938
## 1952	12.9264307	32.190334	28.5051651	416.706543
## 1954	3.7502370	30.485537	110.2370148	325.592773
## 1973	4.0991616	2721.025391	729.2524414	971.382446
## 1989	3.5689490	1074.579346	661.4210205	656.480713
## 1994	4.5294452	2527.895508	131.4665527	954.100098
## 1996	4.4242601	2561.926270	146.9633789	923.237427
## 1998	4.1697974	2552.760498	613.5720215	832.818359
## 1998.1	4.1697974	2552.760498	613.5720215	832.818359
## 1999	4.1697974	2552.760498	613.5720215	832.818359
## 2001	4.3362651	2466.033447	114.4118652	994.500732
## 2021	4.7503109	2728.411865	568.9213867	1134.236572
## 2015	4.3735237	2707.430664	596.4858398	1110.016968
## 2029	8.8754587	1216.083008	0.0000000	1625.564941
## 2034	4.2852659	666.163940	69.0032959	1658.591553
## 2039	4.2172041	1638.509277	521.4343262	1142.530273
## 2045	6.7120848	1742.807739	562.7484131	1183.356689
## 2064	8.5603056	1179.797729	36.6473389	1563.757080
## 2062	3.4254105	1137.381836	175.0906982	1456.139893
## 2069	8.0296278	935.378174	208.7608643	977.342529
## 2064.1	8.5603056	1179.797729	36.6473389	1563.757080
## 2070	8.5603056	1179.797729	36.6473389	1563.757080
## 2101	3.5974121	11.462659	159.0928497	325.059082
## 2110	3.5481532	9.029902	92.8870087	380.539551
## 2113	4.0886493	13.458984	77.1982346	411.427734
## 2131	5.1992207	113.507095	26.6318054	974.400879
## 2131.1	5.1992207	113.507095	26.6318054	974.400879
## 2132	5.1992207	113.507095	26.6318054	974.400879
## 2135	5.3536997	307.110931	0.0000000	1693.442139
## 2145	3.2956247	20.773750	25.6149178	511.938477
## 2153	3.0220423	48.013676	127.2362976	298.279785
## 2162	11.9711933	3159.388672	0.0000000	732.471069
## 2162.1	11.9711933	3159.388672	0.0000000	732.471069
## 2163	11.9711933	3159.388672	0.0000000	732.471069

## 2168	4.4969530	2734.564697	292.4916992	632.678101
## 2168.1	4.4969530	2734.564697	292.4916992	632.678101
## 2169	4.4969530	2734.564697	292.4916992	632.678101
## 2179	3.3785658	2895.898438	287.2124023	644.224487
## 2178	6.9536562	2828.080322	175.0585938	797.542236
## 2182	5.7548766	2855.941406	297.2526855	691.170654
## 2162.2	11.9711933	3159.388672	0.0000000	732.471069
## 2163.1	11.9711933	3159.388672	0.0000000	732.471069
## 2164	11.9711933	3159.388672	0.0000000	732.471069
## 2187	4.5582676	2698.598633	138.0114746	926.785034
## 2162.3	11.9711933	3159.388672	0.0000000	732.471069
## 2163.2	11.9711933	3159.388672	0.0000000	732.471069
## 2164.1	11.9711933	3159.388672	0.0000000	732.471069
## 2184	11.9711933	3159.388672	0.0000000	732.471069
## 2174	5.0588775	2664.779541	54.9985352	980.206787
## 2179.1	3.3785658	2895.898438	287.2124023	644.224487
## 2180	3.3785658	2895.898438	287.2124023	644.224487
## 2212	5.7336459	2801.572021	164.0393066	1311.462891
## 2229	4.1969023	2673.395752	754.5488281	325.472900
## 2229.1	4.1969023	2673.395752	754.5488281	325.472900
## 2230	4.1969023	2673.395752	754.5488281	325.472900
## 2237	10.5764999	2780.733398	236.7109375	1341.763916
## 2247	2.9148705	394.153046	156.5135193	1794.806641
## 2252	10.7326841	621.074097	7.2313232	1826.648682
## 2275	3.4184818	1134.073120	77.0377197	1653.470215
## 2282	8.2990370	857.888855	0.0000000	1996.900635
## 2273	4.2315030	856.065857	33.0732422	1859.064697
## 2273.1	4.2315030	856.065857	33.0732422	1859.064697
## 2285	4.2315030	856.065857	33.0732422	1859.064697
## 2287	6.9488444	717.762390	122.4323120	853.864990
## 2292	7.6261301	843.475220	66.4969482	1063.581787
## 2297	4.1179957	1044.987793	125.7894287	1287.484863
## 2300	4.9599566	1052.693726	10.2785644	1451.696045
## 2302	6.2276316	807.861389	0.0000000	2025.303223
## 2308	4.7871714	602.508057	40.0477295	950.950440
## 2308.1	4.7871714	602.508057	40.0477295	950.950440
## 2309	4.7871714	602.508057	40.0477295	950.950440
## 2323	5.3726706	437.111298	0.0000000	1116.262207
## 2339	4.7370286	278.721252	10.4731445	534.270019
## 2357	3.6599410	12.854765	203.4783783	291.098633
## 2360	3.6452212	12.560206	248.0515137	236.545410
## 2349	4.9844599	12.613543	203.0528564	288.696289
## 2367	4.0962296	113.921753	27.8560028	1227.545410
## 2366	9.6133051	10.370938	32.8512726	445.336426
## 2380	3.6773381	30.284960	38.4369965	504.495606
## 2418	4.9239569	65.714478	14.9799499	1178.098145
## 2433	7.5907145	69.694427	0.0000000	993.887207
## 2442	7.0991383	65.063004	2.1592636	932.527832
## 2450	11.3563023	65.791985	1.9048538	808.649902
## 2463	7.8371596	2778.539551	506.4331055	929.299438
## 2480	5.6091185	2781.945313	149.8603516	1317.311035
## 2493	4.6121736	2732.589844	398.6875000	1207.235718
## 2504	6.8203268	2704.990723	190.7033691	1379.520264
## 2508	4.4471068	2781.593506	159.2397461	1372.166870

##	2512	7.2699623	2817.960693		20.0668945	1461.245483	
##	2525	10.8066416	721.888489		0.0000000	1992.434326	
##	2533	3.6592178	554.256775		0.0000000	2138.479248	
##	2541	3.4275680	595.191162		40.6698608	1977.933350	
##	2548	3.3722513	603.504456		66.6898193	2140.596436	
##	2556	4.7524161	717.316467		43.1284180	2167.370850	
##	2568	3.3132119	560.981140		56.2683716	2005.865479	
##	2574	4.1633592	373.645264		14.3266602	1328.969727	
##	2573	6.0020857	406.369690		9.9081421	1364.113525	
##	2574.1	4.1633592	373.645264		14.3266602	1328.969727	
##	2575	4.1633592	373.645264		14.3266602	1328.969727	
##	2585	4.1976662	325.082062		64.8901367	1082.274414	
##	2574.2	4.1633592	373.645264		14.3266602	1328.969727	
##	2575.1	4.1633592	373.645264		14.3266602	1328.969727	
##	2579	4.1633592	373.645264		14.3266602	1328.969727	
##	2574.3	4.1633592	373.645264		14.3266602	1328.969727	
##	2575.2	4.1633592	373.645264		14.3266602	1328.969727	
##	2579.1	4.1633592	373.645264		14.3266602	1328.969727	
##	2591	4.1633592	373.645264		14.3266602	1328.969727	
##	2574.4	4.1633592	373.645264		14.3266602	1328.969727	
##		RelativeSlopePosition	DEMSRE3a	etmnts3a	evmmmod3a	evsmod3a	g01igb3a
##	3	0.094131723	100	12185	5741	1051	10
##	3.1	0.094131723	100	12185	5741	1051	10
##	4	0.094131723	100	12185	5741	1051	10
##	2	0.000000000	42	10094	5449	947	14
##	11	0.001255197	13	11948	5688	1030	2
##	11.1	0.001255197	13	11948	5688	1030	2
##	12	0.001255197	13	11948	5688	1030	2
##	11.2	0.001255197	13	11948	5688	1030	2
##	12.1	0.001255197	13	11948	5688	1030	2
##	13	0.001255197	13	11948	5688	1030	2
##	11.3	0.001255197	13	11948	5688	1030	2
##	12.2	0.001255197	13	11948	5688	1030	2
##	13.1	0.001255197	13	11948	5688	1030	2
##	14	0.001255197	13	11948	5688	1030	2
##	11.4	0.001255197	13	11948	5688	1030	2
##	12.3	0.001255197	13	11948	5688	1030	2
##	13.2	0.001255197	13	11948	5688	1030	2
##	14.1	0.001255197	13	11948	5688	1030	2
##	15	0.001255197	13	11948	5688	1030	2
##	17	0.022294046	41	13851	5432	1317	2
##	11.5	0.001255197	13	11948	5688	1030	2
##	12.4	0.001255197	13	11948	5688	1030	2
##	13.3	0.001255197	13	11948	5688	1030	2
##	14.2	0.001255197	13	11948	5688	1030	2
##	15.1	0.001255197	13	11948	5688	1030	2
##	16	0.001255197	13	11948	5688	1030	2
##	17.1	0.022294046	41	13851	5432	1317	2
##	18	0.022294046	41	13851	5432	1317	2
##	17.2	0.022294046	41	13851	5432	1317	2
##	18.1	0.022294046	41	13851	5432	1317	2
##	21	0.022294046	41	13851	5432	1317	2
##	17.3	0.022294046	41	13851	5432	1317	2
##	18.2	0.022294046	41	13851	5432	1317	2

126

## 26.3	0.022294046	41	13851	5432	1317	2
## 27.2	0.022294046	41	13851	5432	1317	2
## 28.1	0.022294046	41	13851	5432	1317	2
## 29	0.022294046	41	13851	5432	1317	2
## 17.11	0.022294046	41	13851	5432	1317	2
## 18.10	0.022294046	41	13851	5432	1317	2
## 21.9	0.022294046	41	13851	5432	1317	2
## 22.8	0.022294046	41	13851	5432	1317	2
## 23.7	0.022294046	41	13851	5432	1317	2
## 24.6	0.022294046	41	13851	5432	1317	2
## 25.5	0.022294046	41	13851	5432	1317	2
## 26.4	0.022294046	41	13851	5432	1317	2
## 27.3	0.022294046	41	13851	5432	1317	2
## 28.2	0.022294046	41	13851	5432	1317	2
## 29.1	0.022294046	41	13851	5432	1317	2
## 30	0.022294046	41	13851	5432	1317	2
## 17.12	0.022294046	41	13851	5432	1317	2
## 18.11	0.022294046	41	13851	5432	1317	2
## 21.10	0.022294046	41	13851	5432	1317	2
## 22.9	0.022294046	41	13851	5432	1317	2
## 23.8	0.022294046	41	13851	5432	1317	2
## 24.7	0.022294046	41	13851	5432	1317	2
## 25.6	0.022294046	41	13851	5432	1317	2
## 26.5	0.022294046	41	13851	5432	1317	2
## 27.4	0.022294046	41	13851	5432	1317	2
## 28.3	0.022294046	41	13851	5432	1317	2
## 29.2	0.022294046	41	13851	5432	1317	2
## 30.1	0.022294046	41	13851	5432	1317	2
## 31	0.022294046	41	13851	5432	1317	2
## 17.13	0.022294046	41	13851	5432	1317	2
## 18.12	0.022294046	41	13851	5432	1317	2
## 21.11	0.022294046	41	13851	5432	1317	2
## 22.10	0.022294046	41	13851	5432	1317	2
## 23.9	0.022294046	41	13851	5432	1317	2
## 24.8	0.022294046	41	13851	5432	1317	2
## 25.7	0.022294046	41	13851	5432	1317	2
## 26.6	0.022294046	41	13851	5432	1317	2
## 27.5	0.022294046	41	13851	5432	1317	2
## 28.4	0.022294046	41	13851	5432	1317	2
## 29.3	0.022294046	41	13851	5432	1317	2
## 30.2	0.022294046	41	13851	5432	1317	2
## 31.1	0.022294046	41	13851	5432	1317	2
## 32	0.022294046	41	13851	5432	1317	2
## 17.14	0.022294046	41	13851	5432	1317	2
## 18.13	0.022294046	41	13851	5432	1317	2
## 21.12	0.022294046	41	13851	5432	1317	2
## 22.11	0.022294046	41	13851	5432	1317	2
## 23.10	0.022294046	41	13851	5432	1317	2
## 24.9	0.022294046	41	13851	5432	1317	2
## 25.8	0.022294046	41	13851	5432	1317	2
## 26.7	0.022294046	41	13851	5432	1317	2
## 27.6	0.022294046	41	13851	5432	1317	2
## 28.5	0.022294046	41	13851	5432	1317	2
## 29.4	0.022294046	41	13851	5432	1317	2

## 30.3	0.022294046	41	13851	5432	1317	2
## 31.2	0.022294046	41	13851	5432	1317	2
## 32.1	0.022294046	41	13851	5432	1317	2
## 33	0.022294046	41	13851	5432	1317	2
## 17.15	0.022294046	41	13851	5432	1317	2
## 18.14	0.022294046	41	13851	5432	1317	2
## 21.13	0.022294046	41	13851	5432	1317	2
## 22.12	0.022294046	41	13851	5432	1317	2
## 23.11	0.022294046	41	13851	5432	1317	2
## 24.10	0.022294046	41	13851	5432	1317	2
## 25.9	0.022294046	41	13851	5432	1317	2
## 26.8	0.022294046	41	13851	5432	1317	2
## 27.7	0.022294046	41	13851	5432	1317	2
## 28.6	0.022294046	41	13851	5432	1317	2
## 29.5	0.022294046	41	13851	5432	1317	2
## 30.4	0.022294046	41	13851	5432	1317	2
## 31.3	0.022294046	41	13851	5432	1317	2
## 32.2	0.022294046	41	13851	5432	1317	2
## 33.1	0.022294046	41	13851	5432	1317	2
## 34	0.022294046	41	13851	5432	1317	2
## 17.16	0.022294046	41	13851	5432	1317	2
## 18.15	0.022294046	41	13851	5432	1317	2
## 21.14	0.022294046	41	13851	5432	1317	2
## 22.13	0.022294046	41	13851	5432	1317	2
## 23.12	0.022294046	41	13851	5432	1317	2
## 24.11	0.022294046	41	13851	5432	1317	2
## 25.10	0.022294046	41	13851	5432	1317	2
## 26.9	0.022294046	41	13851	5432	1317	2
## 27.8	0.022294046	41	13851	5432	1317	2
## 28.7	0.022294046	41	13851	5432	1317	2
## 29.6	0.022294046	41	13851	5432	1317	2
## 30.5	0.022294046	41	13851	5432	1317	2
## 31.4	0.022294046	41	13851	5432	1317	2
## 32.3	0.022294046	41	13851	5432	1317	2
## 33.2	0.022294046	41	13851	5432	1317	2
## 34.1	0.022294046	41	13851	5432	1317	2
## 35	0.022294046	41	13851	5432	1317	2
## 17.17	0.022294046	41	13851	5432	1317	2
## 18.16	0.022294046	41	13851	5432	1317	2
## 21.15	0.022294046	41	13851	5432	1317	2
## 22.14	0.022294046	41	13851	5432	1317	2
## 23.13	0.022294046	41	13851	5432	1317	2
## 24.12	0.022294046	41	13851	5432	1317	2
## 25.11	0.022294046	41	13851	5432	1317	2
## 26.10	0.022294046	41	13851	5432	1317	2
## 27.9	0.022294046	41	13851	5432	1317	2
## 28.8	0.022294046	41	13851	5432	1317	2
## 29.7	0.022294046	41	13851	5432	1317	2
## 30.6	0.022294046	41	13851	5432	1317	2
## 31.5	0.022294046	41	13851	5432	1317	2
## 32.4	0.022294046	41	13851	5432	1317	2
## 33.3	0.022294046	41	13851	5432	1317	2
## 34.2	0.022294046	41	13851	5432	1317	2
## 35.1	0.022294046	41	13851	5432	1317	2



## 36	0.022294046	41	13851	5432	1317	2
## 17.18	0.022294046	41	13851	5432	1317	2
## 18.17	0.022294046	41	13851	5432	1317	2
## 21.16	0.022294046	41	13851	5432	1317	2
## 22.15	0.022294046	41	13851	5432	1317	2
## 23.14	0.022294046	41	13851	5432	1317	2
## 24.13	0.022294046	41	13851	5432	1317	2
## 25.12	0.022294046	41	13851	5432	1317	2
## 26.11	0.022294046	41	13851	5432	1317	2
## 27.10	0.022294046	41	13851	5432	1317	2
## 28.9	0.022294046	41	13851	5432	1317	2
## 29.8	0.022294046	41	13851	5432	1317	2
## 30.7	0.022294046	41	13851	5432	1317	2
## 31.6	0.022294046	41	13851	5432	1317	2
## 32.5	0.022294046	41	13851	5432	1317	2
## 33.4	0.022294046	41	13851	5432	1317	2
## 34.3	0.022294046	41	13851	5432	1317	2
## 35.2	0.022294046	41	13851	5432	1317	2
## 36.1	0.022294046	41	13851	5432	1317	2
## 37	0.022294046	41	13851	5432	1317	2
## 17.19	0.022294046	41	13851	5432	1317	2
## 18.18	0.022294046	41	13851	5432	1317	2
## 21.17	0.022294046	41	13851	5432	1317	2
## 22.16	0.022294046	41	13851	5432	1317	2
## 23.15	0.022294046	41	13851	5432	1317	2
## 24.14	0.022294046	41	13851	5432	1317	2
## 25.13	0.022294046	41	13851	5432	1317	2
## 26.12	0.022294046	41	13851	5432	1317	2
## 27.11	0.022294046	41	13851	5432	1317	2
## 28.10	0.022294046	41	13851	5432	1317	2
## 29.9	0.022294046	41	13851	5432	1317	2
## 30.8	0.022294046	41	13851	5432	1317	2
## 31.7	0.022294046	41	13851	5432	1317	2
## 32.6	0.022294046	41	13851	5432	1317	2
## 33.5	0.022294046	41	13851	5432	1317	2
## 34.4	0.022294046	41	13851	5432	1317	2
## 35.3	0.022294046	41	13851	5432	1317	2
## 36.2	0.022294046	41	13851	5432	1317	2
## 37.1	0.022294046	41	13851	5432	1317	2
## 38	0.022294046	41	13851	5432	1317	2
## 17.20	0.022294046	41	13851	5432	1317	2
## 18.19	0.022294046	41	13851	5432	1317	2
## 21.18	0.022294046	41	13851	5432	1317	2
## 22.17	0.022294046	41	13851	5432	1317	2
## 23.16	0.022294046	41	13851	5432	1317	2
## 24.15	0.022294046	41	13851	5432	1317	2
## 25.14	0.022294046	41	13851	5432	1317	2
## 26.13	0.022294046	41	13851	5432	1317	2
## 27.12	0.022294046	41	13851	5432	1317	2
## 28.11	0.022294046	41	13851	5432	1317	2
## 29.10	0.022294046	41	13851	5432	1317	2
## 30.9	0.022294046	41	13851	5432	1317	2
## 31.8	0.022294046	41	13851	5432	1317	2
## 32.7	0.022294046	41	13851	5432	1317	2

## 33.6	0.022294046	41	13851	5432	1317	2
## 34.5	0.022294046	41	13851	5432	1317	2
## 35.4	0.022294046	41	13851	5432	1317	2
## 36.3	0.022294046	41	13851	5432	1317	2
## 37.2	0.022294046	41	13851	5432	1317	2
## 38.1	0.022294046	41	13851	5432	1317	2
## 39	0.022294046	41	13851	5432	1317	2
## 17.21	0.022294046	41	13851	5432	1317	2
## 18.20	0.022294046	41	13851	5432	1317	2
## 21.19	0.022294046	41	13851	5432	1317	2
## 22.18	0.022294046	41	13851	5432	1317	2
## 23.17	0.022294046	41	13851	5432	1317	2
## 24.16	0.022294046	41	13851	5432	1317	2
## 25.15	0.022294046	41	13851	5432	1317	2
## 26.14	0.022294046	41	13851	5432	1317	2
## 27.13	0.022294046	41	13851	5432	1317	2
## 28.12	0.022294046	41	13851	5432	1317	2
## 29.11	0.022294046	41	13851	5432	1317	2
## 30.10	0.022294046	41	13851	5432	1317	2
## 31.9	0.022294046	41	13851	5432	1317	2
## 32.8	0.022294046	41	13851	5432	1317	2
## 33.7	0.022294046	41	13851	5432	1317	2
## 34.6	0.022294046	41	13851	5432	1317	2
## 35.5	0.022294046	41	13851	5432	1317	2
## 36.4	0.022294046	41	13851	5432	1317	2
## 37.3	0.022294046	41	13851	5432	1317	2
## 38.2	0.022294046	41	13851	5432	1317	2
## 39.1	0.022294046	41	13851	5432	1317	2
## 41	0.022294046	41	13851	5432	1317	2
## 10	0.000000000	16	9390	5740	1078	2
## 50	0.102616422	162	11981	4870	1160	2
## 51	0.085432701	124	12383	4882	933	2
## 58	0.037498653	92	10516	4461	1009	2
## 44	0.008135803	20	12168	5211	1074	2
## 49	0.000202761	15	14638	5757	1106	13
## 9	0.011821004	24	14863	5254	1140	14
## 58.1	0.037498653	92	10516	4461	1009	2
## 59	0.037498653	92	10516	4461	1009	2
## 74	0.034405824	84	13263	5403	1007	2
## 76	0.010990076	28	11052	5672	1259	14
## 88	0.052131642	86	10883	5201	1136	2
## 83	0.025218133	56	12429	5241	1280	2
## 89	0.023792833	57	13666	5269	883	2
## 79	0.036667001	59	13157	5205	1090	2
## 76.1	0.010990076	28	11052	5672	1259	14
## 77	0.010990076	28	11052	5672	1259	14
## 73	0.000000000	69	12262	4966	1430	14
## 72	0.046510000	108	8586	4987	1218	2
## 71	0.020475401	60	11137	5085	912	14
## 96	0.000972140	29	13786	4956	909	2
## 74.1	0.034405824	84	13263	5403	1007	2
## 75	0.034405824	84	13263	5403	1007	2
## 104	0.018015556	36	10587	3438	810	14
## 119	0.075472280	72	6342	4189	1548	2

## 129	0.998066664	4165	8468	2335	651	10
## 128	0.783969045	2910	10727	4342	893	10
## 122	0.779694498	3018	8743	5055	1035	10
## 142	0.086428910	141	11614	5246	1266	14
## 150	0.052879922	197	8577	5694	1181	14
## 121	0.000000000	30	8269	5415	997	14
## 167	0.000000000	51	12349	5708	1050	9
## 121.1	0.000000000	30	8269	5415	997	14
## 154	0.000000000	30	8269	5415	997	14
## 142.1	0.086428910	141	11614	5246	1266	14
## 146	0.086428910	141	11614	5246	1266	14
## 119.1	0.075472280	72	6342	4189	1548	2
## 120	0.075472280	72	6342	4189	1548	2
## 177	0.031550676	120	11507	4139	1162	2
## 174	0.007432655	36	7816	5072	932	14
## 175	0.198093235	171	8737	4027	1511	9
## 176	0.030509824	30	7062	4394	1096	11
## 135	0.000000000	734	13243	5686	488	2
## 169	0.042200454	115	9946	5270	940	2
## 196	0.128862992	157	7360	4477	1512	2
## 196.1	0.128862992	157	7360	4477	1512	2
## 197	0.128862992	157	7360	4477	1512	2
## 196.2	0.128862992	157	7360	4477	1512	2
## 197.1	0.128862992	157	7360	4477	1512	2
## 198	0.128862992	157	7360	4477	1512	2
## 196.3	0.128862992	157	7360	4477	1512	2
## 197.2	0.128862992	157	7360	4477	1512	2
## 198.1	0.128862992	157	7360	4477	1512	2
## 199	0.128862992	157	7360	4477	1512	2
## 196.4	0.128862992	157	7360	4477	1512	2
## 197.3	0.128862992	157	7360	4477	1512	2
## 198.2	0.128862992	157	7360	4477	1512	2
## 199.1	0.128862992	157	7360	4477	1512	2
## 200	0.128862992	157	7360	4477	1512	2
## 195	0.084965594	87	8061	4293	1463	2
## 206	0.789340079	3228	10837	4468	861	13
## 208	0.820007741	3331	10063	4094	638	2
## 213	0.751179397	3030	11010	4620	650	2
## 213.1	0.751179397	3030	11010	4620	650	2
## 214	0.751179397	3030	11010	4620	650	2
## 213.2	0.751179397	3030	11010	4620	650	2
## 214.1	0.751179397	3030	11010	4620	650	2
## 215	0.751179397	3030	11010	4620	650	2
## 217	0.825661898	3305	11112	4024	835	2
## 217.1	0.825661898	3305	11112	4024	835	2
## 218	0.825661898	3305	11112	4024	835	2
## 231	0.740098357	3233	10478	4819	1169	10
## 242	0.914735436	3468	9882	3613	479	2
## 250	0.835013390	3153	10776	4955	693	10
## 223	0.795453489	3379	9140	4813	610	2
## 238	0.049428444	46	10276	4275	1942	2
## 246	0.690180898	3046	10879	4944	897	5
## 246.1	0.690180898	3046	10879	4944	897	5
## 260	0.690180898	3046	10879	4944	897	5

## 282	0.785838246	3195	9619	4922	744	10
## 284	0.000000000	36	9828	4636	962	2
## 196.5	0.128862992	157	7360	4477	1512	2
## 197.4	0.128862992	157	7360	4477	1512	2
## 198.3	0.128862992	157	7360	4477	1512	2
## 199.2	0.128862992	157	7360	4477	1512	2
## 200.1	0.128862992	157	7360	4477	1512	2
## 201	0.128862992	157	7360	4477	1512	2
## 195.1	0.084965594	87	8061	4293	1463	2
## 202	0.084965594	87	8061	4293	1463	2
## 238.1	0.049428444	46	10276	4275	1942	2
## 254	0.049428444	46	10276	4275	1942	2
## 296	0.061522860	56	14599	4708	1615	2
## 237	0.071971573	77	14717	6870	486	0
## 296.1	0.061522860	56	14599	4708	1615	2
## 297	0.061522860	56	14599	4708	1615	2
## 275	0.853577971	3545	9489	3476	419	10
## 296.2	0.061522860	56	14599	4708	1615	2
## 297.1	0.061522860	56	14599	4708	1615	2
## 299	0.061522860	56	14599	4708	1615	2
## 237.1	0.071971573	77	14717	6870	486	0
## 298	0.071971573	77	14717	6870	486	0
## 292	0.003278141	10	8460	3053	838	11
## 195.2	0.084965594	87	8061	4293	1463	2
## 202.1	0.084965594	87	8061	4293	1463	2
## 293	0.084965594	87	8061	4293	1463	2
## 317	0.000000000	96	13797	5285	1407	14
## 316	0.000000000	52	7804	5935	994	10
## 322	0.002512705	1435	10030	3632	576	14
## 324	0.354448944	2057	10970	5091	1128	8
## 329	0.350605935	2443	10232	3599	863	10
## 337	0.086153947	2769	9467	3701	658	14
## 355	0.385694057	2757	10132	5464	628	10
## 322.1	0.002512705	1435	10030	3632	576	14
## 323	0.002512705	1435	10030	3632	576	14
## 320	0.171677113	192	10129	5218	1266	2
## 317.1	0.000000000	96	13797	5285	1407	14
## 318	0.000000000	96	13797	5285	1407	14
## 319	0.100328982	164	10077	5361	1338	2
## 317.2	0.000000000	96	13797	5285	1407	14
## 318.1	0.000000000	96	13797	5285	1407	14
## 375	0.000000000	96	13797	5285	1407	14
## 393	0.096414216	1708	9495	2864	773	6
## 316.1	0.000000000	52	7804	5935	994	10
## 321	0.000000000	52	7804	5935	994	10
## 381	0.125026122	156	9430	5035	1266	2
## 399	0.022954518	49	14541	4659	1351	14
## 399.1	0.022954518	49	14541	4659	1351	14
## 400	0.022954518	49	14541	4659	1351	14
## 402	0.231917411	2326	10332	4027	840	10
## 408	0.000000000	1994	9486	3089	770	12
## 408.1	0.000000000	1994	9486	3089	770	12
## 409	0.000000000	1994	9486	3089	770	12
## 417	0.009843745	1838	9498	2351	679	7

## 411	0.038082954	1938	9465	2664	600	6
## 408.2	0.000000000	1994	9486	3089	770	12
## 409.1	0.000000000	1994	9486	3089	770	12
## 410	0.000000000	1994	9486	3089	770	12
## 431	0.282056004	2488	9795	2652	952	7
## 435	0.149386227	2383	9816	2914	961	10
## 433	0.189563155	2228	9582	2901	999	12
## 427	0.402631611	2809	9714	2828	855	7
## 447	0.276724845	1954	10506	5261	998	2
## 449	0.182578161	1855	11027	5223	1178	2
## 465	0.209216550	2310	9758	2305	731	10
## 470	0.502171278	2957	9883	4513	841	2
## 460	0.037614558	1951	9344	2909	543	12
## 479	0.000000000	1687	9254	2879	473	10
## 402.1	0.231917411	2326	10332	4027	840	10
## 403	0.231917411	2326	10332	4027	840	10
## 502	0.026763735	2147	10617	3745	739	9
## 502.1	0.026763735	2147	10617	3745	739	9
## 503	0.026763735	2147	10617	3745	739	9
## 497	0.034259208	165	9942	4344	1286	2
## 514	0.191585034	2294	10107	3415	688	8
## 507	0.040988263	146	8995	4982	1106	14
## 399.2	0.022954518	49	14541	4659	1351	14
## 400.1	0.022954518	49	14541	4659	1351	14
## 401	0.022954518	49	14541	4659	1351	14
## 497.1	0.034259208	165	9942	4344	1286	2
## 508	0.034259208	165	9942	4344	1286	2
## 495	0.114404656	291	8112	4220	1326	2
## 572	0.000000000	687	12169	4789	919	2
## 574	0.063679747	844	12159	5195	714	2
## 574.1	0.063679747	844	12159	5195	714	2
## 575	0.063679747	844	12159	5195	714	2
## 579	0.033711858	964	11922	5301	920	2
## 579.1	0.033711858	964	11922	5301	920	2
## 582	0.033711858	964	11922	5301	920	2
## 586	0.000000000	712	12037	5115	594	2
## 572.1	0.000000000	687	12169	4789	919	2
## 573	0.000000000	687	12169	4789	919	2
## 599	0.021460904	265	13897	5363	703	2
## 612	0.242601901	2760	10372	2946	589	14
## 617	0.000000000	268	5923	4462	1166	2
## 616	0.176120639	2383	10402	4018	803	14
## 641	0.143694147	2551	9507	3396	543	9
## 662	0.255022347	2754	9686	3104	568	10
## 668	0.154560730	1005	13123	5054	606	2
## 678	0.029439902	425	5672	5171	921	14
## 677	0.030698825	131	7263	5613	1015	14
## 647	0.010660489	111	10877	5422	996	14
## 700	0.009632352	26	7716	4444	1231	12
## 704	0.132516429	758	12273	4908	963	2
## 709	0.018034073	426	12550	5114	708	2
## 732	0.015408302	395	13276	5429	475	2
## 806	0.000000000	517	12124	5426	752	2
## 700.1	0.009632352	26	7716	4444	1231	12

## 701	0.009632352	26	7716	4444	1231	12
## 851	0.710284233	3412	10876	4312	663	14
## 859	0.000000000	140	6132	5102	1077	14
## 887	0.028821524	526	13346	4853	703	2
## 894	0.207762346	971	12235	4792	1073	2
## 896	0.095508948	714	13504	5001	582	2
## 899	0.009166790	432	13289	5027	487	2
## 901	0.000146380	401	13649	5842	838	2
## 910	0.046855614	539	13542	5195	586	2
## 894.1	0.207762346	971	12235	4792	1073	2
## 900	0.207762346	971	12235	4792	1073	2
## 917	0.003963922	385	13574	5503	547	2
## 926	0.016665326	433	13470	5326	508	2
## 892	0.010756130	421	13519	5676	587	2
## 945	0.005659574	518	13540	5679	514	2
## 937	0.005656261	544	13754	5664	668	2
## 908	0.007633447	560	13650	5366	794	2
## 958	0.015875634	390	13721	5697	512	2
## 971	0.011578744	275	14250	5228	737	2
## 985	0.638720274	1668	11951	4787	1210	2
## 1019	0.695096791	2899	8644	3233	869	12
## 1039	0.660075128	1619	11818	4484	727	2
## 1017	0.803826988	3043	10326	3679	690	8
## 1097	0.320973545	549	5996	5033	1049	2
## 1135	0.052161749	777	11891	4807	798	14
## 1135.1	0.052161749	777	11891	4807	798	14
## 1136	0.052161749	777	11891	4807	798	14
## 1139	0.898959875	1858	11327	4255	1099	2
## 1139.1	0.898959875	1858	11327	4255	1099	2
## 1140	0.898959875	1858	11327	4255	1099	2
## 1145	0.054163046	659	10198	4912	775	8
## 1143	0.096391656	698	11430	4974	766	8
## 1145.1	0.054163046	659	10198	4912	775	8
## 1146	0.054163046	659	10198	4912	775	8
## 1138	0.062155705	699	9389	4503	693	2
## 1167	0.108658940	1462	12555	5541	1002	2
## 1173	0.177894294	1179	12273	5188	1207	2
## 1175	0.017760234	550	13613	5712	527	2
## 1178	0.016109694	604	13495	5843	670	2
## 1217	0.227491856	165	10335	4231	1448	2
## 1211	0.163231894	194	5941	4360	1085	9
## 1131	0.230390757	2558	8726	2327	621	10
## 1250	0.008049580	24	11984	4031	1717	14
## 1253	0.013674039	29	11402	3333	1357	14
## 1268	0.046300001	2283	9160	2444	621	14
## 1248	0.008005431	179	4752	4705	1266	9
## 1249	0.061981048	211	5926	4893	1158	10
## 1216	0.056777425	98	8729	4827	1511	9
## 1216.1	0.056777425	98	8729	4827	1511	9
## 1280	0.056777425	98	8729	4827	1511	9
## 1266	0.168147981	2666	9607	3038	648	14
## 1293	0.079919957	1149	11155	4914	857	2
## 1295	0.375403136	1852	11829	5283	691	2
## 1295.1	0.375403136	1852	11829	5283	691	2

## 1296	0.375403136	1852	11829	5283	691	2
## 1305	0.049178846	1064	11694	4992	1099	2
## 1308	0.479153484	2064	11539	4304	1078	2
## 1308.1	0.479153484	2064	11539	4304	1078	2
## 1309	0.479153484	2064	11539	4304	1078	2
## 1311	0.527096987	1932	11588	4634	840	2
## 1315	0.344154805	1982	10726	4581	1048	2
## 1315.1	0.344154805	1982	10726	4581	1048	2
## 1316	0.344154805	1982	10726	4581	1048	2
## 1318	0.020253485	1011	11484	5118	739	2
## 1320	0.000000000	909	11742	5315	898	2
## 1315.2	0.344154805	1982	10726	4581	1048	2
## 1316.1	0.344154805	1982	10726	4581	1048	2
## 1317	0.344154805	1982	10726	4581	1048	2
## 1327	0.151397273	1647	11381	4534	787	2
## 1341	0.312277555	886	6884	4833	758	9
## 1345	0.185782552	902	11317	4578	1038	2
## 1350	0.700463474	888	8344	4713	1086	2
## 1408	0.233193025	2689	9827	3390	611	14
## 1438	0.130326718	100	10271	4927	1654	2
## 1443	0.151456356	137	12311	4282	1488	14
## 1443.1	0.151456356	137	12311	4282	1488	14
## 1444	0.151456356	137	12311	4282	1488	14
## 1290	0.293322861	243	7672	4501	1460	9
## 1465	0.204598516	237	6163	4525	1405	8
## 1474	0.170007497	2589	8882	3091	412	14
## 1474.1	0.170007497	2589	8882	3091	412	14
## 1475	0.170007497	2589	8882	3091	412	14
## 1485	0.509588957	3431	10477	4219	1013	14
## 1503	0.075036943	237	5171	4656	1094	9
## 1506	0.127128974	217	5957	4262	1178	12
## 1509	0.572953284	3153	10803	4938	753	14
## 1533	0.000000000	840	11501	4322	647	14
## 1533.1	0.000000000	840	11501	4322	647	14
## 1534	0.000000000	840	11501	4322	647	14
## 1533.2	0.000000000	840	11501	4322	647	14
## 1534.1	0.000000000	840	11501	4322	647	14
## 1537	0.000000000	840	11501	4322	647	14
## 1533.3	0.000000000	840	11501	4322	647	14
## 1534.2	0.000000000	840	11501	4322	647	14
## 1537.1	0.000000000	840	11501	4322	647	14
## 1539	0.000000000	840	11501	4322	647	14
## 1545	0.005743498	845	12598	4835	595	14
## 1545.1	0.005743498	845	12598	4835	595	14
## 1546	0.005743498	845	12598	4835	595	14
## 1548	0.014459274	856	11971	4723	797	8
## 1552	0.211242259	1305	11282	4806	929	2
## 1552.1	0.211242259	1305	11282	4806	929	2
## 1557	0.211242259	1305	11282	4806	929	2
## 1571	0.006369825	331	7031	5398	806	2
## 1580	0.064711317	2581	10524	5427	532	2
## 1570	0.000000000	331	10147	5061	594	2
## 1584	0.078988798	2730	10214	4808	896	2
## 1584.1	0.078988798	2730	10214	4808	896	2

## 1606	0.078988798	2730	10214	4808	896	2
## 1609	0.040935006	420	8965	5368	1031	14
## 1612	0.984037697	1936	12459	4875	1047	2
## 1624	0.155359492	1905	9382	4539	900	2
## 1629	0.184308380	1820	9421	4878	732	2
## 1631	0.131731391	1762	9542	5136	819	2
## 1642	0.000000000	263	13982	5734	452	14
## 1663	0.009445515	271	14398	5565	617	2
## 1702	0.000000000	2969	11188	5422	770	10
## 1700	0.000000000	2701	10754	4775	645	14
## 1719	0.098121829	227	6900	4623	1209	2
## 1719.1	0.098121829	227	6900	4623	1209	2
## 1720	0.098121829	227	6900	4623	1209	2
## 1731	0.478791535	386	7215	5019	1368	2
## 1742	0.306323171	207	4601	4472	1323	10
## 1698	0.026842088	168	6980	4587	1123	14
## 1749	0.228270963	184	8260	4360	1344	10
## 1741	0.243270800	157	7847	4161	1291	2
## 1768	0.017593419	2600	9965	3981	630	14
## 1807	0.258748949	170	7788	4321	1250	14
## 1771	0.277827859	180	9949	4785	1189	14
## 1814	0.000000000	1730	11187	5030	408	8
## 1830	0.947061539	2157	12620	4646	1421	2
## 1848	0.076526225	799	12567	5307	780	2
## 1853	0.015802734	1870	10121	5260	440	2
## 1863	0.149371743	1955	10491	5226	442	2
## 1862	0.184236377	1977	10279	4781	694	5
## 1862.1	0.184236377	1977	10279	4781	694	5
## 1867	0.184236377	1977	10279	4781	694	5
## 1865	0.124033324	1952	11146	5098	403	2
## 1862.2	0.184236377	1977	10279	4781	694	5
## 1867.1	0.184236377	1977	10279	4781	694	5
## 1868	0.184236377	1977	10279	4781	694	5
## 1862.3	0.184236377	1977	10279	4781	694	5
## 1867.2	0.184236377	1977	10279	4781	694	5
## 1868.1	0.184236377	1977	10279	4781	694	5
## 1872	0.184236377	1977	10279	4781	694	5
## 1879	0.073447160	571	14043	5519	472	2
## 1911	0.107879184	199	6820	4612	1060	12
## 1952	0.064026088	37	7505	4317	1447	12
## 1954	0.252935946	145	9427	4863	1848	10
## 1973	0.428811878	3446	9271	3646	402	10
## 1989	0.501874328	1729	12374	4804	1284	2
## 1994	0.121104084	2644	9715	3019	514	14
## 1996	0.137323186	2722	9828	3068	476	14
## 1998	0.424209148	3159	10703	4384	378	2
## 1998.1	0.424209148	3159	10703	4384	378	2
## 1999	0.424209148	3159	10703	4384	378	2
## 2001	0.103174828	2599	9866	3536	517	14
## 2021	0.334039122	3285	8669	3795	555	10
## 2015	0.349536985	3305	9133	3336	399	8
## 2029	0.000000000	1173	11391	4901	1026	14
## 2034	0.039941829	700	7809	5043	1525	2
## 2039	0.313368648	2144	9532	4626	1020	2



## 2045	0.322287828	2284	10807	5530	611	2
## 2064	0.022898799	1171	11040	5478	739	2
## 2062	0.107336573	1339	10882	5477	749	2
## 2069	0.176005617	1118	12844	5843	598	2
## 2064.1	0.022898799	1171	11040	5478	739	2
## 2070	0.022898799	1171	11040	5478	739	2
## 2101	0.328601092	172	6506	4077	1410	8
## 2110	0.196201518	117	6462	3792	1520	12
## 2113	0.157990441	79	11073	4025	1672	2
## 2131	0.026604332	144	6664	5125	1302	2
## 2131.1	0.026604332	144	6664	5125	1302	2
## 2132	0.026604332	144	6664	5125	1302	2
## 2135	0.000000000	291	6347	5409	1255	14
## 2145	0.047650926	42	8718	4505	1138	12
## 2153	0.299016416	178	6615	4177	1318	9
## 2162	0.000000000	3106	9946	2300	370	10
## 2162.1	0.000000000	3106	9946	2300	370	10
## 2163	0.000000000	3106	9946	2300	370	10
## 2168	0.316149205	3019	10256	3955	662	14
## 2168.1	0.316149205	3019	10256	3955	662	14
## 2169	0.316149205	3019	10256	3955	662	14
## 2179	0.308354110	3189	9100	4135	692	14
## 2178	0.179990172	2966	10152	3750	570	14
## 2182	0.300734192	3153	10212	3754	679	14
## 2162.2	0.000000000	3106	9946	2300	370	10
## 2163.1	0.000000000	3106	9946	2300	370	10
## 2164	0.000000000	3106	9946	2300	370	10
## 2187	0.129612997	2810	10223	3722	566	14
## 2162.3	0.000000000	3106	9946	2300	370	10
## 2163.2	0.000000000	3106	9946	2300	370	10
## 2164.1	0.000000000	3106	9946	2300	370	10
## 2184	0.000000000	3106	9946	2300	370	10
## 2174	0.053128142	2710	9233	3434	537	14
## 2179.1	0.308354110	3189	9100	4135	692	14
## 2180	0.308354110	3189	9100	4135	692	14
## 2212	0.111175239	2958	9775	2232	421	13
## 2229	0.698642254	3429	10508	3015	575	10
## 2229.1	0.698642254	3429	10508	3015	575	10
## 2230	0.698642254	3429	10508	3015	575	10
## 2237	0.149961799	2989	9748	2859	607	10
## 2247	0.080209039	576	5842	4144	1212	2
## 2252	0.003943183	607	12634	5366	1149	14
## 2275	0.044517402	1229	10999	5379	715	2
## 2282	0.000000000	860	11590	5853	553	14
## 2273	0.017479297	890	11530	5764	525	14
## 2273.1	0.017479297	890	11530	5764	525	14
## 2285	0.017479297	890	11530	5764	525	14
## 2287	0.125404745	821	13809	5224	656	2
## 2292	0.058842756	887	13343	5268	1029	2
## 2297	0.089005671	1169	10201	5146	777	2
## 2300	0.007030604	1072	11568	5603	634	2
## 2302	0.000000000	791	11611	5152	521	14
## 2308	0.040411506	637	14024	5909	802	2
## 2308.1	0.040411506	637	14024	5909	802	2

## 2309	0.040411506	637	14024	5909	802	2	
## 2323	0.000000000	444	14288	5263	639	2	
## 2339	0.019225840	287	14530	5381	580	2	
## 2357	0.411419004	227	7075	4086	1632	12	
## 2360	0.511871815	271	5571	4127	1680	12	
## 2349	0.412919581	212	6089	3855	1510	16	
## 2367	0.022188921	142	6812	4794	1100	2	
## 2366	0.068699539	32	4895	3693	1251	9	
## 2380	0.070795156	60	7826	4583	1204	12	
## 2418	0.012555717	83	6104	4823	1408	14	
## 2433	0.000000000	68	5629	4540	1363	9	
## 2442	0.002310146	67	6115	4400	1462	12	
## 2450	0.002350062	49	6610	3797	1145	14	
## 2463	0.352734983	3221	9577	2909	621	7	
## 2480	0.102142364	2937	9857	2211	460	13	
## 2493	0.248260617	3130	10070	2395	525	7	
## 2504	0.121449813	2881	9518	3380	474	14	
## 2508	0.103982665	2942	9954	2305	512	10	
## 2512	0.013546700	2834	9079	3640	480	14	
## 2525	0.000000000	685	8770	4444	1203	9	
## 2533	0.000000000	543	10373	5314	414	13	
## 2541	0.020147527	640	11998	6213	748	2	
## 2548	0.030213488	676	12056	5899	565	2	
## 2556	0.019510714	740	12007	5613	665	2	
## 2568	0.027286479	627	11988	6004	447	14	
## 2574	0.010665301	369	14522	5594	580	2	
## 2573	0.007211052	409	14368	5258	608	2	
## 2574.1	0.010665301	369	14522	5594	580	2	
## 2575	0.010665301	369	14522	5594	580	2	
## 2585	0.056565676	386	14764	5630	792	2	
## 2574.2	0.010665301	369	14522	5594	580	2	
## 2575.1	0.010665301	369	14522	5594	580	2	
## 2579	0.010665301	369	14522	5594	580	2	
## 2574.3	0.010665301	369	14522	5594	580	2	
## 2575.2	0.010665301	369	14522	5594	580	2	
## 2579.1	0.010665301	369	14522	5594	580	2	
## 2591	0.010665301	369	14522	5594	580	2	
## 2574.4	0.010665301	369	14522	5594	580	2	
##	g02esa3a	g02igb3a	g03esa3a	g04esa3a	g04igb3a	g05esa3a	g06esa3a
## 3	0	10	0	0	2	100	0
## 3.1	0	10	0	0	2	100	0
## 4	0	10	0	0	2	100	0
## 2	0	14	0	0	14	0	0
## 11	0	2	0	0	2	50	0
## 11.1	0	2	0	0	2	50	0
## 12	0	2	0	0	2	50	0
## 11.2	0	2	0	0	2	50	0
## 12.1	0	2	0	0	2	50	0
## 13	0	2	0	0	2	50	0
## 11.3	0	2	0	0	2	50	0
## 12.2	0	2	0	0	2	50	0
## 13.1	0	2	0	0	2	50	0
## 14	0	2	0	0	2	50	0
## 11.4	0	2	0	0	2	50	0

## 12.3	0	2	0	0	2	50	0
## 13.2	0	2	0	0	2	50	0
## 14.1	0	2	0	0	2	50	0
## 15	0	2	0	0	2	50	0
## 17	0	2	100	0	14	0	0
## 11.5	0	2	0	0	2	50	0
## 12.4	0	2	0	0	2	50	0
## 13.3	0	2	0	0	2	50	0
## 14.2	0	2	0	0	2	50	0
## 15.1	0	2	0	0	2	50	0
## 16	0	2	0	0	2	50	0
## 17.1	0	2	100	0	14	0	0
## 18	0	2	100	0	14	0	0
## 17.2	0	2	100	0	14	0	0
## 18.1	0	2	100	0	14	0	0
## 21	0	2	100	0	14	0	0
## 17.3	0	2	100	0	14	0	0
## 18.2	0	2	100	0	14	0	0
## 21.1	0	2	100	0	14	0	0
## 22	0	2	100	0	14	0	0
## 17.4	0	2	100	0	14	0	0
## 18.3	0	2	100	0	14	0	0
## 21.2	0	2	100	0	14	0	0
## 22.1	0	2	100	0	14	0	0
## 23	0	2	100	0	14	0	0
## 17.5	0	2	100	0	14	0	0
## 18.4	0	2	100	0	14	0	0
## 21.3	0	2	100	0	14	0	0
## 22.2	0	2	100	0	14	0	0
## 23.1	0	2	100	0	14	0	0
## 24	0	2	100	0	14	0	0
## 17.6	0	2	100	0	14	0	0
## 18.5	0	2	100	0	14	0	0
## 21.4	0	2	100	0	14	0	0
## 22.3	0	2	100	0	14	0	0
## 23.2	0	2	100	0	14	0	0
## 24.1	0	2	100	0	14	0	0
## 25	0	2	100	0	14	0	0
## 17.7	0	2	100	0	14	0	0
## 18.6	0	2	100	0	14	0	0
## 21.5	0	2	100	0	14	0	0
## 22.4	0	2	100	0	14	0	0
## 23.3	0	2	100	0	14	0	0
## 24.2	0	2	100	0	14	0	0
## 25.1	0	2	100	0	14	0	0
## 26	0	2	100	0	14	0	0
## 17.8	0	2	100	0	14	0	0
## 18.7	0	2	100	0	14	0	0
## 21.6	0	2	100	0	14	0	0
## 22.5	0	2	100	0	14	0	0
## 23.4	0	2	100	0	14	0	0
## 24.3	0	2	100	0	14	0	0
## 25.2	0	2	100	0	14	0	0
## 26.1	0	2	100	0	14	0	0

## 27	0	2	100	0	14	0	0
## 17.9	0	2	100	0	14	0	0
## 18.8	0	2	100	0	14	0	0
## 21.7	0	2	100	0	14	0	0
## 22.6	0	2	100	0	14	0	0
## 23.5	0	2	100	0	14	0	0
## 24.4	0	2	100	0	14	0	0
## 25.3	0	2	100	0	14	0	0
## 26.2	0	2	100	0	14	0	0
## 27.1	0	2	100	0	14	0	0
## 28	0	2	100	0	14	0	0
## 17.10	0	2	100	0	14	0	0
## 18.9	0	2	100	0	14	0	0
## 21.8	0	2	100	0	14	0	0
## 22.7	0	2	100	0	14	0	0
## 23.6	0	2	100	0	14	0	0
## 24.5	0	2	100	0	14	0	0
## 25.4	0	2	100	0	14	0	0
## 26.3	0	2	100	0	14	0	0
## 27.2	0	2	100	0	14	0	0
## 28.1	0	2	100	0	14	0	0
## 29	0	2	100	0	14	0	0
## 17.11	0	2	100	0	14	0	0
## 18.10	0	2	100	0	14	0	0
## 21.9	0	2	100	0	14	0	0
## 22.8	0	2	100	0	14	0	0
## 23.7	0	2	100	0	14	0	0
## 24.6	0	2	100	0	14	0	0
## 25.5	0	2	100	0	14	0	0
## 26.4	0	2	100	0	14	0	0
## 27.3	0	2	100	0	14	0	0
## 28.2	0	2	100	0	14	0	0
## 29.1	0	2	100	0	14	0	0
## 30	0	2	100	0	14	0	0
## 17.12	0	2	100	0	14	0	0
## 18.11	0	2	100	0	14	0	0
## 21.10	0	2	100	0	14	0	0
## 22.9	0	2	100	0	14	0	0
## 23.8	0	2	100	0	14	0	0
## 24.7	0	2	100	0	14	0	0
## 25.6	0	2	100	0	14	0	0
## 26.5	0	2	100	0	14	0	0
## 27.4	0	2	100	0	14	0	0
## 28.3	0	2	100	0	14	0	0
## 29.2	0	2	100	0	14	0	0
## 30.1	0	2	100	0	14	0	0
## 31	0	2	100	0	14	0	0
## 17.13	0	2	100	0	14	0	0
## 18.12	0	2	100	0	14	0	0
## 21.11	0	2	100	0	14	0	0
## 22.10	0	2	100	0	14	0	0
## 23.9	0	2	100	0	14	0	0
## 24.8	0	2	100	0	14	0	0
## 25.7	0	2	100	0	14	0	0

## 26.6	0	2	100	0	14	0	0
## 27.5	0	2	100	0	14	0	0
## 28.4	0	2	100	0	14	0	0
## 29.3	0	2	100	0	14	0	0
## 30.2	0	2	100	0	14	0	0
## 31.1	0	2	100	0	14	0	0
## 32	0	2	100	0	14	0	0
## 17.14	0	2	100	0	14	0	0
## 18.13	0	2	100	0	14	0	0
## 21.12	0	2	100	0	14	0	0
## 22.11	0	2	100	0	14	0	0
## 23.10	0	2	100	0	14	0	0
## 24.9	0	2	100	0	14	0	0
## 25.8	0	2	100	0	14	0	0
## 26.7	0	2	100	0	14	0	0
## 27.6	0	2	100	0	14	0	0
## 28.5	0	2	100	0	14	0	0
## 29.4	0	2	100	0	14	0	0
## 30.3	0	2	100	0	14	0	0
## 31.2	0	2	100	0	14	0	0
## 32.1	0	2	100	0	14	0	0
## 33	0	2	100	0	14	0	0
## 17.15	0	2	100	0	14	0	0
## 18.14	0	2	100	0	14	0	0
## 21.13	0	2	100	0	14	0	0
## 22.12	0	2	100	0	14	0	0
## 23.11	0	2	100	0	14	0	0
## 24.10	0	2	100	0	14	0	0
## 25.9	0	2	100	0	14	0	0
## 26.8	0	2	100	0	14	0	0
## 27.7	0	2	100	0	14	0	0
## 28.6	0	2	100	0	14	0	0
## 29.5	0	2	100	0	14	0	0
## 30.4	0	2	100	0	14	0	0
## 31.3	0	2	100	0	14	0	0
## 32.2	0	2	100	0	14	0	0
## 33.1	0	2	100	0	14	0	0
## 34	0	2	100	0	14	0	0
## 17.16	0	2	100	0	14	0	0
## 18.15	0	2	100	0	14	0	0
## 21.14	0	2	100	0	14	0	0
## 22.13	0	2	100	0	14	0	0
## 23.12	0	2	100	0	14	0	0
## 24.11	0	2	100	0	14	0	0
## 25.10	0	2	100	0	14	0	0
## 26.9	0	2	100	0	14	0	0
## 27.8	0	2	100	0	14	0	0
## 28.7	0	2	100	0	14	0	0
## 29.6	0	2	100	0	14	0	0
## 30.5	0	2	100	0	14	0	0
## 31.4	0	2	100	0	14	0	0
## 32.3	0	2	100	0	14	0	0
## 33.2	0	2	100	0	14	0	0
## 34.1	0	2	100	0	14	0	0

## 35	0	2	100	0	14	0	0
## 17.17	0	2	100	0	14	0	0
## 18.16	0	2	100	0	14	0	0
## 21.15	0	2	100	0	14	0	0
## 22.14	0	2	100	0	14	0	0
## 23.13	0	2	100	0	14	0	0
## 24.12	0	2	100	0	14	0	0
## 25.11	0	2	100	0	14	0	0
## 26.10	0	2	100	0	14	0	0
## 27.9	0	2	100	0	14	0	0
## 28.8	0	2	100	0	14	0	0
## 29.7	0	2	100	0	14	0	0
## 30.6	0	2	100	0	14	0	0
## 31.5	0	2	100	0	14	0	0
## 32.4	0	2	100	0	14	0	0
## 33.3	0	2	100	0	14	0	0
## 34.2	0	2	100	0	14	0	0
## 35.1	0	2	100	0	14	0	0
## 36	0	2	100	0	14	0	0
## 17.18	0	2	100	0	14	0	0
## 18.17	0	2	100	0	14	0	0
## 21.16	0	2	100	0	14	0	0
## 22.15	0	2	100	0	14	0	0
## 23.14	0	2	100	0	14	0	0
## 24.13	0	2	100	0	14	0	0
## 25.12	0	2	100	0	14	0	0
## 26.11	0	2	100	0	14	0	0
## 27.10	0	2	100	0	14	0	0
## 28.9	0	2	100	0	14	0	0
## 29.8	0	2	100	0	14	0	0
## 30.7	0	2	100	0	14	0	0
## 31.6	0	2	100	0	14	0	0
## 32.5	0	2	100	0	14	0	0
## 33.4	0	2	100	0	14	0	0
## 34.3	0	2	100	0	14	0	0
## 35.2	0	2	100	0	14	0	0
## 36.1	0	2	100	0	14	0	0
## 37	0	2	100	0	14	0	0
## 17.19	0	2	100	0	14	0	0
## 18.18	0	2	100	0	14	0	0
## 21.17	0	2	100	0	14	0	0
## 22.16	0	2	100	0	14	0	0
## 23.15	0	2	100	0	14	0	0
## 24.14	0	2	100	0	14	0	0
## 25.13	0	2	100	0	14	0	0
## 26.12	0	2	100	0	14	0	0
## 27.11	0	2	100	0	14	0	0
## 28.10	0	2	100	0	14	0	0
## 29.9	0	2	100	0	14	0	0
## 30.8	0	2	100	0	14	0	0
## 31.7	0	2	100	0	14	0	0
## 32.6	0	2	100	0	14	0	0
## 33.5	0	2	100	0	14	0	0
## 34.4	0	2	100	0	14	0	0

## 35.3	0	2	100	0	14	0	0
## 36.2	0	2	100	0	14	0	0
## 37.1	0	2	100	0	14	0	0
## 38	0	2	100	0	14	0	0
## 17.20	0	2	100	0	14	0	0
## 18.19	0	2	100	0	14	0	0
## 21.18	0	2	100	0	14	0	0
## 22.17	0	2	100	0	14	0	0
## 23.16	0	2	100	0	14	0	0
## 24.15	0	2	100	0	14	0	0
## 25.14	0	2	100	0	14	0	0
## 26.13	0	2	100	0	14	0	0
## 27.12	0	2	100	0	14	0	0
## 28.11	0	2	100	0	14	0	0
## 29.10	0	2	100	0	14	0	0
## 30.9	0	2	100	0	14	0	0
## 31.8	0	2	100	0	14	0	0
## 32.7	0	2	100	0	14	0	0
## 33.6	0	2	100	0	14	0	0
## 34.5	0	2	100	0	14	0	0
## 35.4	0	2	100	0	14	0	0
## 36.3	0	2	100	0	14	0	0
## 37.2	0	2	100	0	14	0	0
## 38.1	0	2	100	0	14	0	0
## 39	0	2	100	0	14	0	0
## 17.21	0	2	100	0	14	0	0
## 18.20	0	2	100	0	14	0	0
## 21.19	0	2	100	0	14	0	0
## 22.18	0	2	100	0	14	0	0
## 23.17	0	2	100	0	14	0	0
## 24.16	0	2	100	0	14	0	0
## 25.15	0	2	100	0	14	0	0
## 26.14	0	2	100	0	14	0	0
## 27.13	0	2	100	0	14	0	0
## 28.12	0	2	100	0	14	0	0
## 29.11	0	2	100	0	14	0	0
## 30.10	0	2	100	0	14	0	0
## 31.9	0	2	100	0	14	0	0
## 32.8	0	2	100	0	14	0	0
## 33.7	0	2	100	0	14	0	0
## 34.6	0	2	100	0	14	0	0
## 35.5	0	2	100	0	14	0	0
## 36.4	0	2	100	0	14	0	0
## 37.3	0	2	100	0	14	0	0
## 38.2	0	2	100	0	14	0	0
## 39.1	0	2	100	0	14	0	0
## 41	0	2	100	0	14	0	0
## 10	0	2	0	0	2	100	0
## 50	0	2	50	0	2	50	0
## 51	50	2	50	0	14	0	0
## 58	0	2	0	0	2	100	0
## 44	50	2	0	0	14	0	0
## 49	0	13	0	0	13	100	0
## 9	0	14	0	0	14	0	0

## 58.1	0	2	0	0	2	100	0
## 59	0	2	0	0	2	100	0
## 74	25	2	0	0	2	75	0
## 76	0	14	0	0	2	100	0
## 88	0	2	0	0	2	100	0
## 83	0	2	0	50	2	50	0
## 89	0	2	50	0	2	0	0
## 79	0	2	0	0	14	100	0
## 76.1	0	14	0	0	2	100	0
## 77	0	14	0	0	2	100	0
## 73	0	2	0	25	2	75	0
## 72	0	2	0	100	2	0	0
## 71	0	8	0	0	8	100	0
## 96	0	2	0	0	2	100	0
## 74.1	25	2	0	0	2	75	0
## 75	25	2	0	0	2	75	0
## 104	0	14	0	0	14	100	0
## 119	100	10	0	0	10	0	0
## 129	0	10	0	0	10	50	0
## 128	0	10	25	75	10	0	0
## 122	0	10	0	25	10	75	0
## 142	0	14	0	0	14	100	0
## 150	0	2	0	0	2	100	0
## 121	0	14	100	0	14	0	0
## 167	0	2	0	0	2	100	0
## 121.1	0	14	100	0	14	0	0
## 154	0	14	100	0	14	0	0
## 142.1	0	14	0	0	14	100	0
## 146	0	14	0	0	14	100	0
## 119.1	100	10	0	0	10	0	0
## 120	100	10	0	0	10	0	0
## 177	0	2	0	0	2	100	0
## 174	75	14	0	25	14	0	0
## 175	100	14	0	0	14	0	0
## 176	0	11	0	0	10	0	0
## 135	0	2	0	0	14	100	0
## 169	75	2	0	25	14	0	0
## 196	0	11	0	0	11	100	0
## 196.1	0	11	0	0	11	100	0
## 197	0	11	0	0	11	100	0
## 196.2	0	11	0	0	11	100	0
## 197.1	0	11	0	0	11	100	0
## 198	0	11	0	0	11	100	0
## 196.3	0	11	0	0	11	100	0
## 197.2	0	11	0	0	11	100	0
## 198.1	0	11	0	0	11	100	0
## 199	0	11	0	0	11	100	0
## 196.4	0	11	0	0	11	100	0
## 197.3	0	11	0	0	11	100	0
## 198.2	0	11	0	0	11	100	0
## 199.1	0	11	0	0	11	100	0
## 200	0	11	0	0	11	100	0
## 195	25	2	75	0	2	0	0
## 206	0	13	0	50	13	50	0



## 208	0	10	50	25	2	25	0
## 213	25	10	50	25	2	0	0
## 213.1	25	10	50	25	2	0	0
## 214	25	10	50	25	2	0	0
## 213.2	25	10	50	25	2	0	0
## 214.1	25	10	50	25	2	0	0
## 215	25	10	50	25	2	0	0
## 217	0	10	0	50	10	50	0
## 217.1	0	10	0	50	10	50	0
## 218	0	10	0	50	10	50	0
## 231	0	10	0	0	10	100	0
## 242	0	10	0	25	10	75	0
## 250	100	10	0	0	10	0	0
## 223	0	10	0	0	10	0	0
## 238	0	2	0	0	14	100	0
## 246	0	2	25	75	2	0	0
## 246.1	0	2	25	75	2	0	0
## 260	0	2	25	75	2	0	0
## 282	100	10	0	0	10	0	0
## 284	0	2	50	0	2	0	0
## 196.5	0	11	0	0	11	100	0
## 197.4	0	11	0	0	11	100	0
## 198.3	0	11	0	0	11	100	0
## 199.2	0	11	0	0	11	100	0
## 200.1	0	11	0	0	11	100	0
## 201	0	11	0	0	11	100	0
## 195.1	25	2	75	0	2	0	0
## 202	25	2	75	0	2	0	0
## 238.1	0	2	0	0	14	100	0
## 254	0	2	0	0	14	100	0
## 296	0	2	50	0	14	50	0
## 237	0	0	100	0	0	0	0
## 296.1	0	2	50	0	14	50	0
## 297	0	2	50	0	14	50	0
## 275	0	10	50	0	10	50	0
## 296.2	0	2	50	0	14	50	0
## 297.1	0	2	50	0	14	50	0
## 299	0	2	50	0	14	50	0
## 237.1	0	0	100	0	0	0	0
## 298	0	0	100	0	0	0	0
## 292	0	11	0	0	11	75	0
## 195.2	25	2	75	0	2	0	0
## 202.1	25	2	75	0	2	0	0
## 293	25	2	75	0	2	0	0
## 317	0	14	100	0	14	0	0
## 316	0	10	0	100	14	0	0
## 322	0	14	50	25	14	0	0
## 324	0	8	0	0	10	100	0
## 329	0	14	0	0	14	0	0
## 337	0	14	0	100	12	0	0
## 355	0	10	0	0	10	100	0
## 322.1	0	14	50	25	14	0	0
## 323	0	14	50	25	14	0	0
## 320	0	2	0	50	14	50	0

## 317.1	0	14	100	0	14	0	0
## 318	0	14	100	0	14	0	0
## 319	0	2	0	0	2	100	0
## 317.2	0	14	100	0	14	0	0
## 318.1	0	14	100	0	14	0	0
## 375	0	14	100	0	14	0	0
## 393	0	6	0	0	5	0	50
## 316.1	0	10	0	100	14	0	0
## 321	0	10	0	100	14	0	0
## 381	0	2	0	0	14	100	0
## 399	0	14	0	0	14	100	0
## 399.1	0	14	0	0	14	100	0
## 400	0	14	0	0	14	100	0
## 402	0	10	100	0	12	0	0
## 408	0	14	25	50	14	0	0
## 408.1	0	14	25	50	14	0	0
## 409	0	14	25	50	14	0	0
## 417	0	7	0	100	10	0	0
## 411	0	6	100	0	14	0	0
## 408.2	0	14	25	50	14	0	0
## 409.1	0	14	25	50	14	0	0
## 410	0	14	25	50	14	0	0
## 431	0	7	0	0	10	0	0
## 435	0	14	0	0	14	0	0
## 433	0	14	0	0	14	0	0
## 427	0	10	0	0	10	0	0
## 447	0	2	0	0	8	100	0
## 449	0	2	0	0	2	100	0
## 465	0	10	0	0	10	0	0
## 470	0	12	0	0	12	0	0
## 460	0	12	25	75	14	0	0
## 479	0	14	75	25	14	0	0
## 402.1	0	10	100	0	12	0	0
## 403	0	10	100	0	12	0	0
## 502	0	9	25	0	14	25	50
## 502.1	0	9	25	0	14	25	50
## 503	0	9	25	0	14	25	50
## 497	0	2	50	0	2	50	0
## 514	0	8	50	25	12	0	0
## 507	25	14	75	0	2	0	0
## 399.2	0	14	0	0	14	100	0
## 400.1	0	14	0	0	14	100	0
## 401	0	14	0	0	14	100	0
## 497.1	0	2	50	0	2	50	0
## 508	0	2	50	0	2	50	0
## 495	0	2	0	0	2	0	0
## 572	0	2	0	0	2	100	0
## 574	0	2	0	0	2	100	0
## 574.1	0	2	0	0	2	100	0
## 575	0	2	0	0	2	100	0
## 579	0	2	0	0	2	100	0
## 579.1	0	2	0	0	2	100	0
## 582	0	2	0	0	2	100	0
## 586	0	2	0	0	2	100	0

## 572.1	0	2	0	0	2	100	0
## 573	0	2	0	0	2	100	0
## 599	0	2	0	0	2	100	0
## 612	0	14	0	0	14	0	0
## 617	0	2	0	0	2	100	0
## 616	0	14	25	75	14	0	0
## 641	0	9	25	0	14	75	0
## 662	0	10	0	0	10	0	0
## 668	0	2	0	0	2	100	0
## 678	0	14	0	0	2	100	0
## 677	50	14	0	50	14	0	0
## 647	0	14	50	0	14	50	0
## 700	0	12	0	0	14	100	0
## 704	0	2	25	0	2	75	0
## 709	0	2	0	25	2	75	0
## 732	0	2	0	0	2	100	0
## 806	0	2	100	0	2	0	0
## 700.1	0	12	0	0	14	100	0
## 701	0	12	0	0	14	100	0
## 851	0	14	0	0	2	100	0
## 859	100	14	0	0	14	0	0
## 887	0	2	50	0	2	50	0
## 894	0	2	0	0	2	100	0
## 896	0	2	50	50	2	0	0
## 899	0	2	0	0	2	100	0
## 901	0	2	100	0	2	0	0
## 910	0	2	100	0	2	0	0
## 894.1	0	2	0	0	2	100	0
## 900	0	2	0	0	2	100	0
## 917	0	2	0	0	2	100	0
## 926	0	2	0	0	2	100	0
## 892	0	2	0	0	2	100	0
## 945	0	2	0	0	2	100	0
## 937	0	2	0	0	2	100	0
## 908	0	2	0	0	2	100	0
## 958	0	2	25	0	2	75	0
## 971	0	2	0	0	2	100	0
## 985	50	2	50	0	14	0	0
## 1019	0	12	0	50	10	0	0
## 1039	0	2	0	0	2	100	0
## 1017	0	8	0	0	10	75	0
## 1097	0	2	0	25	12	75	0
## 1135	0	14	100	0	2	0	0
## 1135.1	0	14	100	0	2	0	0
## 1136	0	14	100	0	2	0	0
## 1139	0	2	0	0	10	100	0
## 1139.1	0	2	0	0	10	100	0
## 1140	0	2	0	0	10	100	0
## 1145	0	2	0	0	2	100	0
## 1143	0	2	25	0	2	75	0
## 1145.1	0	2	0	0	2	100	0
## 1146	0	2	0	0	2	100	0
## 1138	0	2	0	0	2	100	0
## 1167	0	2	75	0	2	25	0

## 1173	0	2	0	0	2	100	0
## 1175	0	2	0	0	2	100	0
## 1178	0	2	0	0	2	100	0
## 1217	50	2	50	0	14	0	0
## 1211	50	14	50	0	14	0	0
## 1131	0	10	0	100	10	0	0
## 1250	0	14	50	0	14	0	0
## 1253	0	14	25	50	14	0	0
## 1268	0	14	0	25	14	0	0
## 1248	0	9	100	0	14	0	0
## 1249	50	10	50	0	14	0	0
## 1216	0	9	100	0	9	0	0
## 1216.1	0	9	100	0	9	0	0
## 1280	0	9	100	0	9	0	0
## 1266	0	14	0	0	14	0	0
## 1293	0	2	0	0	2	0	0
## 1295	0	2	0	0	2	100	0
## 1295.1	0	2	0	0	2	100	0
## 1296	0	2	0	0	2	100	0
## 1305	0	2	0	0	2	100	0
## 1308	0	2	0	0	2	100	0
## 1308.1	0	2	0	0	2	100	0
## 1309	0	2	0	0	2	100	0
## 1311	0	2	0	0	2	100	0
## 1315	0	2	0	0	2	100	0
## 1315.1	0	2	0	0	2	100	0
## 1316	0	2	0	0	2	100	0
## 1318	0	2	25	0	2	75	0
## 1320	0	2	50	0	14	50	0
## 1315.2	0	2	0	0	2	100	0
## 1316.1	0	2	0	0	2	100	0
## 1317	0	2	0	0	2	100	0
## 1327	0	2	0	0	2	100	0
## 1341	0	2	0	0	2	100	0
## 1345	0	2	0	0	2	100	0
## 1350	0	14	0	0	14	0	0
## 1408	0	14	0	0	14	0	0
## 1438	0	2	100	0	14	0	0
## 1443	0	14	100	0	14	0	0
## 1443.1	0	14	100	0	14	0	0
## 1444	0	14	100	0	14	0	0
## 1290	0	9	100	0	9	0	0
## 1465	0	8	0	0	8	100	0
## 1474	0	14	0	0	14	0	0
## 1474.1	0	14	0	0	14	0	0
## 1475	0	14	0	0	14	0	0
## 1485	0	10	50	50	10	0	0
## 1503	100	14	0	0	14	0	0
## 1506	0	12	50	0	14	0	0
## 1509	0	14	75	25	14	0	0
## 1533	0	14	0	0	2	100	0
## 1533.1	0	14	0	0	2	100	0
## 1534	0	14	0	0	2	100	0
## 1533.2	0	14	0	0	2	100	0

## 1534.1	0	14	0	0	2	100	0
## 1537	0	14	0	0	2	100	0
## 1533.3	0	14	0	0	2	100	0
## 1534.2	0	14	0	0	2	100	0
## 1537.1	0	14	0	0	2	100	0
## 1539	0	14	0	0	2	100	0
## 1545	0	14	25	0	14	75	0
## 1545.1	0	14	25	0	14	75	0
## 1546	0	14	25	0	14	75	0
## 1548	0	2	0	0	14	100	0
## 1552	0	2	0	0	9	100	0
## 1552.1	0	2	0	0	9	100	0
## 1557	0	2	0	0	9	100	0
## 1571	0	2	0	0	2	100	0
## 1580	0	2	0	0	8	100	0
## 1570	50	2	50	0	14	0	0
## 1584	0	2	0	0	2	100	0
## 1584.1	0	2	0	0	2	100	0
## 1606	0	2	0	0	2	100	0
## 1609	0	14	0	0	14	100	0
## 1612	0	2	0	0	14	0	0
## 1624	0	2	0	0	2	100	0
## 1629	0	11	0	0	11	100	0
## 1631	0	2	0	0	2	100	0
## 1642	0	14	0	0	14	100	0
## 1663	0	2	0	0	2	100	0
## 1702	0	10	25	75	10	0	0
## 1700	25	14	75	0	9	0	0
## 1719	0	2	100	0	14	0	0
## 1719.1	0	2	100	0	14	0	0
## 1720	0	2	100	0	14	0	0
## 1731	0	2	0	0	14	0	0
## 1742	0	11	0	0	12	100	0
## 1698	0	12	100	0	12	0	0
## 1749	50	9	50	0	14	0	0
## 1741	0	9	0	0	9	0	0
## 1768	0	14	25	50	12	25	0
## 1807	0	14	50	0	9	0	0
## 1771	0	14	100	0	14	0	0
## 1814	0	2	0	0	2	100	0
## 1830	0	2	0	0	2	100	0
## 1848	0	2	0	100	14	0	0
## 1853	0	2	50	0	2	50	0
## 1863	0	2	0	0	2	100	0
## 1862	0	2	25	0	2	75	0
## 1862.1	0	2	25	0	2	75	0
## 1867	0	2	25	0	2	75	0
## 1865	0	2	100	0	2	0	0
## 1862.2	0	2	25	0	2	75	0
## 1867.1	0	2	25	0	2	75	0
## 1868	0	2	25	0	2	75	0
## 1862.3	0	2	25	0	2	75	0
## 1867.2	0	2	25	0	2	75	0
## 1868.1	0	2	25	0	2	75	0

## 1872	0	2	25	0	2	75	0
## 1879	0	2	0	0	2	100	0
## 1911	0	12	100	0	14	0	0
## 1952	0	11	100	0	11	0	0
## 1954	100	10	0	0	10	0	0
## 1973	0	10	100	0	10	0	0
## 1989	0	2	0	0	8	100	0
## 1994	0	14	75	25	14	0	0
## 1996	0	14	75	25	14	0	0
## 1998	0	5	0	50	5	50	0
## 1998.1	0	5	0	50	5	50	0
## 1999	0	5	0	50	5	50	0
## 2001	0	14	0	25	10	0	0
## 2021	0	10	0	0	2	0	0
## 2015	0	10	0	0	14	0	0
## 2029	0	14	0	0	14	100	0
## 2034	0	2	50	0	2	50	0
## 2039	0	2	0	0	2	100	0
## 2045	0	2	0	0	2	100	0
## 2064	0	2	100	0	2	0	0
## 2062	0	2	0	0	2	100	0
## 2069	0	2	50	0	2	50	0
## 2064.1	0	2	100	0	2	0	0
## 2070	0	2	100	0	2	0	0
## 2101	0	9	50	0	9	0	0
## 2110	0	12	0	0	12	0	0
## 2113	0	2	0	0	8	100	0
## 2131	0	12	100	0	12	0	0
## 2131.1	0	12	100	0	12	0	0
## 2132	0	12	100	0	12	0	0
## 2135	50	14	0	0	14	0	0
## 2145	50	12	50	0	14	0	0
## 2153	25	12	50	0	12	0	0
## 2162	0	10	0	25	10	0	0
## 2162.1	0	10	0	25	10	0	0
## 2163	0	10	0	25	10	0	0
## 2168	0	10	25	75	10	0	0
## 2168.1	0	10	25	75	10	0	0
## 2169	0	10	25	75	10	0	0
## 2179	0	14	100	0	14	0	0
## 2178	0	14	50	50	14	0	0
## 2182	0	14	0	100	14	0	0
## 2162.2	0	10	0	25	10	0	0
## 2163.1	0	10	0	25	10	0	0
## 2164	0	10	0	25	10	0	0
## 2187	0	14	0	25	14	50	0
## 2162.3	0	10	0	25	10	0	0
## 2163.2	0	10	0	25	10	0	0
## 2164.1	0	10	0	25	10	0	0
## 2184	0	10	0	25	10	0	0
## 2174	0	14	25	25	14	0	0
## 2179.1	0	14	100	0	14	0	0
## 2180	0	14	100	0	14	0	0
## 2212	0	13	0	100	13	0	0

## 2229	0	10	0	0	10	0	0
## 2229.1	0	10	0	0	10	0	0
## 2230	0	10	0	0	10	0	0
## 2237	0	10	0	0	10	0	0
## 2247	100	2	0	0	2	0	0
## 2252	25	14	0	75	9	0	0
## 2275	0	2	100	0	2	0	0
## 2282	0	14	0	0	14	100	0
## 2273	0	14	0	0	14	100	0
## 2273.1	0	14	0	0	14	100	0
## 2285	0	14	0	0	14	100	0
## 2287	0	2	100	0	2	0	0
## 2292	0	2	0	0	2	100	0
## 2297	0	2	0	0	2	100	0
## 2300	0	2	0	0	2	100	0
## 2302	0	14	25	0	14	75	0
## 2308	0	2	0	0	14	100	0
## 2308.1	0	2	0	0	14	100	0
## 2309	0	2	0	0	14	100	0
## 2323	0	2	0	0	2	100	0
## 2339	0	2	0	0	2	100	0
## 2357	0	12	0	0	9	100	0
## 2360	0	12	75	25	12	0	0
## 2349	0	16	0	0	16	100	0
## 2367	100	9	0	0	12	0	0
## 2366	0	12	100	0	12	0	0
## 2380	0	12	100	0	14	0	0
## 2418	0	14	100	0	12	0	0
## 2433	50	12	50	0	12	0	0
## 2442	0	12	0	0	12	0	0
## 2450	0	14	100	0	14	0	0
## 2463	0	10	50	50	10	0	0
## 2480	0	13	0	0	13	0	0
## 2493	0	10	0	0	10	0	0
## 2504	0	14	25	50	10	0	0
## 2508	0	10	0	0	10	0	0
## 2512	0	14	50	0	14	0	0
## 2525	0	2	50	0	2	0	0
## 2533	0	13	25	0	13	75	0
## 2541	0	2	0	0	2	100	0
## 2548	0	2	0	0	2	100	0
## 2556	0	2	25	0	2	75	0
## 2568	0	2	0	0	2	100	0
## 2574	0	2	0	0	2	100	0
## 2573	0	2	0	0	2	50	0
## 2574.1	0	2	0	0	2	100	0
## 2575	0	2	0	0	2	100	0
## 2585	0	2	100	0	2	0	0
## 2574.2	0	2	0	0	2	100	0
## 2575.1	0	2	0	0	2	100	0
## 2579	0	2	0	0	2	100	0
## 2574.3	0	2	0	0	2	100	0
## 2575.2	0	2	0	0	2	100	0
## 2579.1	0	2	0	0	2	100	0

## 2591	0	2	0	0	2	100	0
## 2574.4	0	2	0	0	2	100	0
##	g10igb3a	g11esa3a	g11igb3a	g12igb3a	g13esa3a	g14esa3a	g18esa3a
## 3	14	0	14	14	0	0	0
## 3.1	14	0	14	14	0	0	0
## 4	14	0	14	14	0	0	0
## 2	14	100	2	2	0	0	0
## 11	2	0	2	2	0	50	0
## 11.1	2	0	2	2	0	50	0
## 12	2	0	2	2	0	50	0
## 11.2	2	0	2	2	0	50	0
## 12.1	2	0	2	2	0	50	0
## 13	2	0	2	2	0	50	0
## 11.3	2	0	2	2	0	50	0
## 12.2	2	0	2	2	0	50	0
## 13.1	2	0	2	2	0	50	0
## 14	2	0	2	2	0	50	0
## 11.4	2	0	2	2	0	50	0
## 12.3	2	0	2	2	0	50	0
## 13.2	2	0	2	2	0	50	0
## 14.1	2	0	2	2	0	50	0
## 15	2	0	2	2	0	50	0
## 17	2	0	2	2	0	0	0
## 11.5	2	0	2	2	0	50	0
## 12.4	2	0	2	2	0	50	0
## 13.3	2	0	2	2	0	50	0
## 14.2	2	0	2	2	0	50	0
## 15.1	2	0	2	2	0	50	0
## 16	2	0	2	2	0	50	0
## 17.1	2	0	2	2	0	0	0
## 18	2	0	2	2	0	0	0
## 17.2	2	0	2	2	0	0	0
## 18.1	2	0	2	2	0	0	0
## 21	2	0	2	2	0	0	0
## 17.3	2	0	2	2	0	0	0
## 18.2	2	0	2	2	0	0	0
## 21.1	2	0	2	2	0	0	0
## 22	2	0	2	2	0	0	0
## 17.4	2	0	2	2	0	0	0
## 18.3	2	0	2	2	0	0	0
## 21.2	2	0	2	2	0	0	0
## 22.1	2	0	2	2	0	0	0
## 23	2	0	2	2	0	0	0
## 17.5	2	0	2	2	0	0	0
## 18.4	2	0	2	2	0	0	0
## 21.3	2	0	2	2	0	0	0
## 22.2	2	0	2	2	0	0	0
## 23.1	2	0	2	2	0	0	0
## 24	2	0	2	2	0	0	0
## 17.6	2	0	2	2	0	0	0
## 18.5	2	0	2	2	0	0	0
## 21.4	2	0	2	2	0	0	0
## 22.3	2	0	2	2	0	0	0
## 23.2	2	0	2	2	0	0	0



## 24.1	2	0	2	2	0	0	0
## 25	2	0	2	2	0	0	0
## 17.7	2	0	2	2	0	0	0
## 18.6	2	0	2	2	0	0	0
## 21.5	2	0	2	2	0	0	0
## 22.4	2	0	2	2	0	0	0
## 23.3	2	0	2	2	0	0	0
## 24.2	2	0	2	2	0	0	0
## 25.1	2	0	2	2	0	0	0
## 26	2	0	2	2	0	0	0
## 17.8	2	0	2	2	0	0	0
## 18.7	2	0	2	2	0	0	0
## 21.6	2	0	2	2	0	0	0
## 22.5	2	0	2	2	0	0	0
## 23.4	2	0	2	2	0	0	0
## 24.3	2	0	2	2	0	0	0
## 25.2	2	0	2	2	0	0	0
## 26.1	2	0	2	2	0	0	0
## 27	2	0	2	2	0	0	0
## 17.9	2	0	2	2	0	0	0
## 18.8	2	0	2	2	0	0	0
## 21.7	2	0	2	2	0	0	0
## 22.6	2	0	2	2	0	0	0
## 23.5	2	0	2	2	0	0	0
## 24.4	2	0	2	2	0	0	0
## 25.3	2	0	2	2	0	0	0
## 26.2	2	0	2	2	0	0	0
## 27.1	2	0	2	2	0	0	0
## 28	2	0	2	2	0	0	0
## 17.10	2	0	2	2	0	0	0
## 18.9	2	0	2	2	0	0	0
## 21.8	2	0	2	2	0	0	0
## 22.7	2	0	2	2	0	0	0
## 23.6	2	0	2	2	0	0	0
## 24.5	2	0	2	2	0	0	0
## 25.4	2	0	2	2	0	0	0
## 26.3	2	0	2	2	0	0	0
## 27.2	2	0	2	2	0	0	0
## 28.1	2	0	2	2	0	0	0
## 29	2	0	2	2	0	0	0
## 17.11	2	0	2	2	0	0	0
## 18.10	2	0	2	2	0	0	0
## 21.9	2	0	2	2	0	0	0
## 22.8	2	0	2	2	0	0	0
## 23.7	2	0	2	2	0	0	0
## 24.6	2	0	2	2	0	0	0
## 25.5	2	0	2	2	0	0	0
## 26.4	2	0	2	2	0	0	0
## 27.3	2	0	2	2	0	0	0
## 28.2	2	0	2	2	0	0	0
## 29.1	2	0	2	2	0	0	0
## 30	2	0	2	2	0	0	0
## 17.12	2	0	2	2	0	0	0
## 18.11	2	0	2	2	0	0	0

## 21.10	2	0	2	2	0	0	0
## 22.9	2	0	2	2	0	0	0
## 23.8	2	0	2	2	0	0	0
## 24.7	2	0	2	2	0	0	0
## 25.6	2	0	2	2	0	0	0
## 26.5	2	0	2	2	0	0	0
## 27.4	2	0	2	2	0	0	0
## 28.3	2	0	2	2	0	0	0
## 29.2	2	0	2	2	0	0	0
## 30.1	2	0	2	2	0	0	0
## 31	2	0	2	2	0	0	0
## 17.13	2	0	2	2	0	0	0
## 18.12	2	0	2	2	0	0	0
## 21.11	2	0	2	2	0	0	0
## 22.10	2	0	2	2	0	0	0
## 23.9	2	0	2	2	0	0	0
## 24.8	2	0	2	2	0	0	0
## 25.7	2	0	2	2	0	0	0
## 26.6	2	0	2	2	0	0	0
## 27.5	2	0	2	2	0	0	0
## 28.4	2	0	2	2	0	0	0
## 29.3	2	0	2	2	0	0	0
## 30.2	2	0	2	2	0	0	0
## 31.1	2	0	2	2	0	0	0
## 32	2	0	2	2	0	0	0
## 17.14	2	0	2	2	0	0	0
## 18.13	2	0	2	2	0	0	0
## 21.12	2	0	2	2	0	0	0
## 22.11	2	0	2	2	0	0	0
## 23.10	2	0	2	2	0	0	0
## 24.9	2	0	2	2	0	0	0
## 25.8	2	0	2	2	0	0	0
## 26.7	2	0	2	2	0	0	0
## 27.6	2	0	2	2	0	0	0
## 28.5	2	0	2	2	0	0	0
## 29.4	2	0	2	2	0	0	0
## 30.3	2	0	2	2	0	0	0
## 31.2	2	0	2	2	0	0	0
## 32.1	2	0	2	2	0	0	0
## 33	2	0	2	2	0	0	0
## 17.15	2	0	2	2	0	0	0
## 18.14	2	0	2	2	0	0	0
## 21.13	2	0	2	2	0	0	0
## 22.12	2	0	2	2	0	0	0
## 23.11	2	0	2	2	0	0	0
## 24.10	2	0	2	2	0	0	0
## 25.9	2	0	2	2	0	0	0
## 26.8	2	0	2	2	0	0	0
## 27.7	2	0	2	2	0	0	0
## 28.6	2	0	2	2	0	0	0
## 29.5	2	0	2	2	0	0	0
## 30.4	2	0	2	2	0	0	0
## 31.3	2	0	2	2	0	0	0
## 32.2	2	0	2	2	0	0	0

## 33.1	2	0	2	2	0	0	0
## 34	2	0	2	2	0	0	0
## 17.16	2	0	2	2	0	0	0
## 18.15	2	0	2	2	0	0	0
## 21.14	2	0	2	2	0	0	0
## 22.13	2	0	2	2	0	0	0
## 23.12	2	0	2	2	0	0	0
## 24.11	2	0	2	2	0	0	0
## 25.10	2	0	2	2	0	0	0
## 26.9	2	0	2	2	0	0	0
## 27.8	2	0	2	2	0	0	0
## 28.7	2	0	2	2	0	0	0
## 29.6	2	0	2	2	0	0	0
## 30.5	2	0	2	2	0	0	0
## 31.4	2	0	2	2	0	0	0
## 32.3	2	0	2	2	0	0	0
## 33.2	2	0	2	2	0	0	0
## 34.1	2	0	2	2	0	0	0
## 35	2	0	2	2	0	0	0
## 17.17	2	0	2	2	0	0	0
## 18.16	2	0	2	2	0	0	0
## 21.15	2	0	2	2	0	0	0
## 22.14	2	0	2	2	0	0	0
## 23.13	2	0	2	2	0	0	0
## 24.12	2	0	2	2	0	0	0
## 25.11	2	0	2	2	0	0	0
## 26.10	2	0	2	2	0	0	0
## 27.9	2	0	2	2	0	0	0
## 28.8	2	0	2	2	0	0	0
## 29.7	2	0	2	2	0	0	0
## 30.6	2	0	2	2	0	0	0
## 31.5	2	0	2	2	0	0	0
## 32.4	2	0	2	2	0	0	0
## 33.3	2	0	2	2	0	0	0
## 34.2	2	0	2	2	0	0	0
## 35.1	2	0	2	2	0	0	0
## 36	2	0	2	2	0	0	0
## 17.18	2	0	2	2	0	0	0
## 18.17	2	0	2	2	0	0	0
## 21.16	2	0	2	2	0	0	0
## 22.15	2	0	2	2	0	0	0
## 23.14	2	0	2	2	0	0	0
## 24.13	2	0	2	2	0	0	0
## 25.12	2	0	2	2	0	0	0
## 26.11	2	0	2	2	0	0	0
## 27.10	2	0	2	2	0	0	0
## 28.9	2	0	2	2	0	0	0
## 29.8	2	0	2	2	0	0	0
## 30.7	2	0	2	2	0	0	0
## 31.6	2	0	2	2	0	0	0
## 32.5	2	0	2	2	0	0	0
## 33.4	2	0	2	2	0	0	0
## 34.3	2	0	2	2	0	0	0
## 35.2	2	0	2	2	0	0	0

## 36.1	2	0	2	2	0	0	0
## 37	2	0	2	2	0	0	0
## 17.19	2	0	2	2	0	0	0
## 18.18	2	0	2	2	0	0	0
## 21.17	2	0	2	2	0	0	0
## 22.16	2	0	2	2	0	0	0
## 23.15	2	0	2	2	0	0	0
## 24.14	2	0	2	2	0	0	0
## 25.13	2	0	2	2	0	0	0
## 26.12	2	0	2	2	0	0	0
## 27.11	2	0	2	2	0	0	0
## 28.10	2	0	2	2	0	0	0
## 29.9	2	0	2	2	0	0	0
## 30.8	2	0	2	2	0	0	0
## 31.7	2	0	2	2	0	0	0
## 32.6	2	0	2	2	0	0	0
## 33.5	2	0	2	2	0	0	0
## 34.4	2	0	2	2	0	0	0
## 35.3	2	0	2	2	0	0	0
## 36.2	2	0	2	2	0	0	0
## 37.1	2	0	2	2	0	0	0
## 38	2	0	2	2	0	0	0
## 17.20	2	0	2	2	0	0	0
## 18.19	2	0	2	2	0	0	0
## 21.18	2	0	2	2	0	0	0
## 22.17	2	0	2	2	0	0	0
## 23.16	2	0	2	2	0	0	0
## 24.15	2	0	2	2	0	0	0
## 25.14	2	0	2	2	0	0	0
## 26.13	2	0	2	2	0	0	0
## 27.12	2	0	2	2	0	0	0
## 28.11	2	0	2	2	0	0	0
## 29.10	2	0	2	2	0	0	0
## 30.9	2	0	2	2	0	0	0
## 31.8	2	0	2	2	0	0	0
## 32.7	2	0	2	2	0	0	0
## 33.6	2	0	2	2	0	0	0
## 34.5	2	0	2	2	0	0	0
## 35.4	2	0	2	2	0	0	0
## 36.3	2	0	2	2	0	0	0
## 37.2	2	0	2	2	0	0	0
## 38.1	2	0	2	2	0	0	0
## 39	2	0	2	2	0	0	0
## 17.21	2	0	2	2	0	0	0
## 18.20	2	0	2	2	0	0	0
## 21.19	2	0	2	2	0	0	0
## 22.18	2	0	2	2	0	0	0
## 23.17	2	0	2	2	0	0	0
## 24.16	2	0	2	2	0	0	0
## 25.15	2	0	2	2	0	0	0
## 26.14	2	0	2	2	0	0	0
## 27.13	2	0	2	2	0	0	0
## 28.12	2	0	2	2	0	0	0
## 29.11	2	0	2	2	0	0	0

## 30.10	2	0	2	2	0	0	0
## 31.9	2	0	2	2	0	0	0
## 32.8	2	0	2	2	0	0	0
## 33.7	2	0	2	2	0	0	0
## 34.6	2	0	2	2	0	0	0
## 35.5	2	0	2	2	0	0	0
## 36.4	2	0	2	2	0	0	0
## 37.3	2	0	2	2	0	0	0
## 38.2	2	0	2	2	0	0	0
## 39.1	2	0	2	2	0	0	0
## 41	2	0	2	2	0	0	0
## 10	2	0	2	2	0	0	0
## 50	2	0	11	11	0	0	0
## 51	2	0	2	2	0	0	0
## 58	2	0	11	2	0	0	0
## 44	14	0	14	14	50	0	0
## 49	13	0	13	13	0	0	0
## 9	14	0	14	14	100	0	0
## 58.1	2	0	11	2	0	0	0
## 59	2	0	11	2	0	0	0
## 74	2	0	2	2	0	0	0
## 76	14	0	2	14	0	0	0
## 88	2	0	2	2	0	0	0
## 83	2	0	2	2	0	0	0
## 89	2	0	2	2	0	50	0
## 79	2	0	2	2	0	0	0
## 76.1	14	0	2	14	0	0	0
## 77	14	0	2	14	0	0	0
## 73	14	0	14	14	0	0	0
## 72	14	0	14	2	0	0	0
## 71	2	0	14	14	0	0	0
## 96	2	0	14	2	0	0	0
## 74.1	2	0	2	2	0	0	0
## 75	2	0	2	2	0	0	0
## 104	11	0	11	11	0	0	0
## 119	8	0	12	12	0	0	0
## 129	10	50	10	10	0	0	0
## 128	14	0	14	14	0	0	0
## 122	10	0	14	10	0	0	0
## 142	2	0	2	2	0	0	0
## 150	14	0	2	2	0	0	0
## 121	2	0	14	14	0	0	0
## 167	14	0	2	14	0	0	0
## 121.1	2	0	14	14	0	0	0
## 154	2	0	14	14	0	0	0
## 142.1	2	0	2	2	0	0	0
## 146	2	0	2	2	0	0	0
## 119.1	8	0	12	12	0	0	0
## 120	8	0	12	12	0	0	0
## 177	2	0	2	2	0	0	0
## 174	14	0	14	14	0	0	0
## 175	14	0	2	2	0	0	0
## 176	14	0	14	14	100	0	0
## 135	14	0	14	14	0	0	0

## 169	14	0	14	2	0	0	0
## 196	12	0	12	12	0	0	0
## 196.1	12	0	12	12	0	0	0
## 197	12	0	12	12	0	0	0
## 196.2	12	0	12	12	0	0	0
## 197.1	12	0	12	12	0	0	0
## 198	12	0	12	12	0	0	0
## 196.3	12	0	12	12	0	0	0
## 197.2	12	0	12	12	0	0	0
## 198.1	12	0	12	12	0	0	0
## 199	12	0	12	12	0	0	0
## 196.4	12	0	12	12	0	0	0
## 197.3	12	0	12	12	0	0	0
## 198.2	12	0	12	12	0	0	0
## 199.1	12	0	12	12	0	0	0
## 200	12	0	12	12	0	0	0
## 195	9	0	14	14	0	0	0
## 206	13	0	13	13	0	0	0
## 208	2	0	5	2	0	0	0
## 213	2	0	2	10	0	0	0
## 213.1	2	0	2	10	0	0	0
## 214	2	0	2	10	0	0	0
## 213.2	2	0	2	10	0	0	0
## 214.1	2	0	2	10	0	0	0
## 215	2	0	2	10	0	0	0
## 217	2	0	2	2	0	0	0
## 217.1	2	0	2	2	0	0	0
## 218	2	0	2	2	0	0	0
## 231	2	0	10	10	0	0	0
## 242	14	0	14	14	0	0	0
## 250	12	0	14	10	0	0	0
## 223	10	0	10	10	100	0	0
## 238	14	0	14	14	0	0	0
## 246	2	0	2	2	0	0	0
## 246.1	2	0	2	2	0	0	0
## 260	2	0	2	2	0	0	0
## 282	9	0	10	10	0	0	0
## 284	11	0	2	11	0	0	0
## 196.5	12	0	12	12	0	0	0
## 197.4	12	0	12	12	0	0	0
## 198.3	12	0	12	12	0	0	0
## 199.2	12	0	12	12	0	0	0
## 200.1	12	0	12	12	0	0	0
## 201	12	0	12	12	0	0	0
## 195.1	9	0	14	14	0	0	0
## 202	9	0	14	14	0	0	0
## 238.1	14	0	14	14	0	0	0
## 254	14	0	14	14	0	0	0
## 296	14	0	14	8	0	0	0
## 237	0	0	0	0	0	0	0
## 296.1	14	0	14	8	0	0	0
## 297	14	0	14	8	0	0	0
## 275	10	0	10	10	0	0	0
## 296.2	14	0	14	8	0	0	0

## 297.1	14	0	14	8	0	0	0
## 299	14	0	14	8	0	0	0
## 237.1	0	0	0	0	0	0	0
## 298	0	0	0	0	0	0	0
## 292	2	0	2	2	0	0	0
## 195.2	9	0	14	14	0	0	0
## 202.1	9	0	14	14	0	0	0
## 293	9	0	14	14	0	0	0
## 317	2	0	2	2	0	0	0
## 316	14	0	14	12	0	0	0
## 322	14	0	14	12	0	25	0
## 324	2	0	2	2	0	0	0
## 329	9	0	14	14	100	0	0
## 337	12	0	12	14	0	0	0
## 355	2	0	2	2	0	0	0
## 322.1	14	0	14	12	0	25	0
## 323	14	0	14	12	0	25	0
## 320	14	0	14	2	0	0	0
## 317.1	2	0	2	2	0	0	0
## 318	2	0	2	2	0	0	0
## 319	14	0	14	14	0	0	0
## 317.2	2	0	2	2	0	0	0
## 318.1	2	0	2	2	0	0	0
## 375	2	0	2	2	0	0	0
## 393	12	0	8	8	0	50	0
## 316.1	14	0	14	12	0	0	0
## 321	14	0	14	12	0	0	0
## 381	14	0	14	14	0	0	0
## 399	14	0	14	14	0	0	0
## 399.1	14	0	14	14	0	0	0
## 400	14	0	14	14	0	0	0
## 402	14	0	14	14	0	0	0
## 408	12	25	12	12	0	0	0
## 408.1	12	25	12	12	0	0	0
## 409	12	25	12	12	0	0	0
## 417	14	0	14	7	0	0	0
## 411	14	0	14	14	0	0	0
## 408.2	12	25	12	12	0	0	0
## 409.1	12	25	12	12	0	0	0
## 410	12	25	12	12	0	0	0
## 431	14	25	12	8	0	75	0
## 435	9	25	12	12	0	75	0
## 433	14	0	9	2	0	100	0
## 427	12	100	10	10	0	0	0
## 447	2	0	2	2	0	0	0
## 449	2	0	10	2	0	0	0
## 465	14	75	10	10	0	25	0
## 470	2	0	2	10	100	0	0
## 460	14	0	14	14	0	0	0
## 479	14	0	14	14	0	0	0
## 402.1	14	0	14	14	0	0	0
## 403	14	0	14	14	0	0	0
## 502	14	0	8	2	0	0	0
## 502.1	14	0	8	2	0	0	0

## 503	14	0	8	2	0	0	0
## 497	2	0	2	2	0	0	0
## 514	14	25	14	14	0	0	0
## 507	2	0	2	2	0	0	0
## 399.2	14	0	14	14	0	0	0
## 400.1	14	0	14	14	0	0	0
## 401	14	0	14	14	0	0	0
## 497.1	2	0	2	2	0	0	0
## 508	2	0	2	2	0	0	0
## 495	2	0	2	2	100	0	0
## 572	2	0	2	2	0	0	0
## 574	2	0	2	2	0	0	0
## 574.1	2	0	2	2	0	0	0
## 575	2	0	2	2	0	0	0
## 579	2	0	2	2	0	0	0
## 579.1	2	0	2	2	0	0	0
## 582	2	0	2	2	0	0	0
## 586	2	0	2	2	0	0	0
## 572.1	2	0	2	2	0	0	0
## 573	2	0	2	2	0	0	0
## 599	2	0	2	2	0	0	0
## 612	10	0	12	12	0	100	0
## 617	2	0	2	2	0	0	0
## 616	14	0	9	14	0	0	0
## 641	9	0	9	14	0	0	0
## 662	14	50	14	14	0	50	0
## 668	2	0	2	2	0	0	0
## 678	2	0	2	2	0	0	0
## 677	14	0	14	14	0	0	0
## 647	14	0	9	2	0	0	0
## 700	14	0	2	2	0	0	0
## 704	2	0	2	2	0	0	0
## 709	2	0	2	2	0	0	0
## 732	2	0	2	2	0	0	0
## 806	14	0	14	2	0	0	0
## 700.1	14	0	2	2	0	0	0
## 701	14	0	2	2	0	0	0
## 851	2	0	2	2	0	0	0
## 859	12	0	12	12	0	0	0
## 887	2	0	2	2	0	0	0
## 894	2	0	2	2	0	0	0
## 896	2	0	2	2	0	0	0
## 899	2	0	2	2	0	0	0
## 901	2	0	2	2	0	0	0
## 910	2	0	2	2	0	0	0
## 894.1	2	0	2	2	0	0	0
## 900	2	0	2	2	0	0	0
## 917	2	0	2	2	0	0	0
## 926	2	0	2	2	0	0	0
## 892	2	0	2	2	0	0	0
## 945	2	0	2	2	0	0	0
## 937	2	0	2	2	0	0	0
## 908	2	0	2	2	0	0	0
## 958	2	0	2	2	0	0	0



## 971	2	0	2	2	0	0	0
## 985	2	0	14	14	0	0	0
## 1019	10	0	10	10	0	50	0
## 1039	2	0	2	2	0	0	0
## 1017	8	25	10	10	0	0	0
## 1097	12	0	2	2	0	0	0
## 1135	2	0	14	2	0	0	0
## 1135.1	2	0	14	2	0	0	0
## 1136	2	0	14	2	0	0	0
## 1139	2	0	2	2	0	0	0
## 1139.1	2	0	2	2	0	0	0
## 1140	2	0	2	2	0	0	0
## 1145	9	0	9	2	0	0	0
## 1143	2	0	2	2	0	0	0
## 1145.1	9	0	9	2	0	0	0
## 1146	9	0	9	2	0	0	0
## 1138	2	0	2	2	0	0	0
## 1167	2	0	2	2	0	0	0
## 1173	2	0	2	2	0	0	0
## 1175	2	0	2	2	0	0	0
## 1178	2	0	2	2	0	0	0
## 1217	14	0	14	8	0	0	0
## 1211	12	0	12	12	0	0	0
## 1131	14	0	12	10	0	0	0
## 1250	14	0	14	14	25	25	0
## 1253	14	0	14	14	0	0	0
## 1268	10	75	10	14	0	0	0
## 1248	14	0	2	2	0	0	0
## 1249	14	0	10	10	0	0	0
## 1216	14	0	14	9	0	0	0
## 1216.1	14	0	14	9	0	0	0
## 1280	14	0	14	9	0	0	0
## 1266	14	0	8	14	0	100	0
## 1293	2	0	2	2	100	0	0
## 1295	2	0	2	2	0	0	0
## 1295.1	2	0	2	2	0	0	0
## 1296	2	0	2	2	0	0	0
## 1305	2	0	2	2	0	0	0
## 1308	5	0	2	2	0	0	0
## 1308.1	5	0	2	2	0	0	0
## 1309	5	0	2	2	0	0	0
## 1311	2	0	2	2	0	0	0
## 1315	2	0	2	2	0	0	0
## 1315.1	2	0	2	2	0	0	0
## 1316	2	0	2	2	0	0	0
## 1318	2	0	2	2	0	0	0
## 1320	2	0	2	2	0	0	0
## 1315.2	2	0	2	2	0	0	0
## 1316.1	2	0	2	2	0	0	0
## 1317	2	0	2	2	0	0	0
## 1327	2	0	2	2	0	0	0
## 1341	10	0	10	2	0	0	0
## 1345	2	0	2	14	0	0	0
## 1350	14	0	2	2	100	0	0

## 1408	2	50	8	2	0	50	0
## 1438	9	0	9	14	0	0	0
## 1443	9	0	14	14	0	0	0
## 1443.1	9	0	14	14	0	0	0
## 1444	9	0	14	14	0	0	0
## 1290	9	0	14	8	0	0	0
## 1465	8	0	14	14	0	0	0
## 1474	8	25	8	14	0	75	0
## 1474.1	8	25	8	14	0	75	0
## 1475	8	25	8	14	0	75	0
## 1485	10	0	10	10	0	0	0
## 1503	12	0	9	9	0	0	0
## 1506	12	0	12	14	50	0	0
## 1509	14	0	14	14	0	0	0
## 1533	2	0	2	2	0	0	0
## 1533.1	2	0	2	2	0	0	0
## 1534	2	0	2	2	0	0	0
## 1533.2	2	0	2	2	0	0	0
## 1534.1	2	0	2	2	0	0	0
## 1537	2	0	2	2	0	0	0
## 1533.3	2	0	2	2	0	0	0
## 1534.2	2	0	2	2	0	0	0
## 1537.1	2	0	2	2	0	0	0
## 1539	2	0	2	2	0	0	0
## 1545	14	0	2	2	0	0	0
## 1545.1	14	0	2	2	0	0	0
## 1546	14	0	2	2	0	0	0
## 1548	2	0	2	14	0	0	0
## 1552	2	0	2	2	0	0	0
## 1552.1	2	0	2	2	0	0	0
## 1557	2	0	2	2	0	0	0
## 1571	14	0	14	2	0	0	0
## 1580	2	0	2	2	0	0	0
## 1570	14	0	14	14	0	0	0
## 1584	2	0	2	2	0	0	0
## 1584.1	2	0	2	2	0	0	0
## 1606	2	0	2	2	0	0	0
## 1609	14	0	14	14	0	0	0
## 1612	2	0	2	2	100	0	0
## 1624	2	0	2	2	0	0	0
## 1629	2	0	2	2	0	0	0
## 1631	2	0	2	2	0	0	0
## 1642	2	0	2	2	0	0	0
## 1663	2	0	14	14	0	0	0
## 1702	14	0	2	14	0	0	0
## 1700	14	0	14	14	0	0	0
## 1719	14	0	2	2	0	0	0
## 1719.1	14	0	2	2	0	0	0
## 1720	14	0	2	2	0	0	0
## 1731	14	0	14	14	100	0	0
## 1742	12	0	12	12	0	0	0
## 1698	14	0	9	9	0	0	0
## 1749	12	0	10	9	0	0	0
## 1741	2	0	2	9	100	0	0

## 1768	2	0	14	14	0	0	0
## 1807	14	0	14	14	50	0	0
## 1771	14	0	8	14	0	0	0
## 1814	2	0	2	2	0	0	0
## 1830	2	0	2	8	0	0	0
## 1848	2	0	2	14	0	0	0
## 1853	14	0	2	2	0	0	0
## 1863	2	0	2	2	0	0	0
## 1862	11	0	11	11	0	0	0
## 1862.1	11	0	11	11	0	0	0
## 1867	11	0	11	11	0	0	0
## 1865	2	0	2	2	0	0	0
## 1862.2	11	0	11	11	0	0	0
## 1867.1	11	0	11	11	0	0	0
## 1868	11	0	11	11	0	0	0
## 1862.3	11	0	11	11	0	0	0
## 1867.2	11	0	11	11	0	0	0
## 1868.1	11	0	11	11	0	0	0
## 1872	11	0	11	11	0	0	0
## 1879	2	0	2	2	0	0	0
## 1911	9	0	9	9	0	0	0
## 1952	12	0	12	12	0	0	0
## 1954	14	0	14	8	0	0	0
## 1973	12	0	10	10	0	0	0
## 1989	2	0	2	2	0	0	0
## 1994	14	0	14	14	0	0	0
## 1996	10	0	14	14	0	0	0
## 1998	2	0	2	2	0	0	0
## 1998.1	2	0	2	2	0	0	0
## 1999	2	0	2	2	0	0	0
## 2001	10	25	14	14	0	50	0
## 2021	10	75	2	2	0	25	0
## 2015	10	50	12	12	0	50	0
## 2029	14	0	14	10	0	0	0
## 2034	14	0	2	2	0	0	0
## 2039	2	0	2	2	0	0	0
## 2045	2	0	2	2	0	0	0
## 2064	2	0	2	2	0	0	0
## 2062	2	0	2	2	0	0	0
## 2069	2	0	2	2	0	0	0
## 2064.1	2	0	2	2	0	0	0
## 2070	2	0	2	2	0	0	0
## 2101	14	0	14	14	50	0	0
## 2110	14	0	14	9	50	50	0
## 2113	8	0	8	14	0	0	0
## 2131	12	0	12	2	0	0	0
## 2131.1	12	0	12	2	0	0	0
## 2132	12	0	12	2	0	0	0
## 2135	12	0	12	12	0	50	0
## 2145	9	0	9	14	0	0	0
## 2153	14	0	9	9	0	25	0
## 2162	10	50	10	10	0	25	0
## 2162.1	10	50	10	10	0	25	0
## 2163	10	50	10	10	0	25	0

## 2168	14	0	14	10	0	0	0
## 2168.1	14	0	14	10	0	0	0
## 2169	14	0	14	10	0	0	0
## 2179	14	0	14	14	0	0	0
## 2178	14	0	14	14	0	0	0
## 2182	12	0	14	14	0	0	0
## 2162.2	10	50	10	10	0	25	0
## 2163.1	10	50	10	10	0	25	0
## 2164	10	50	10	10	0	25	0
## 2187	14	25	14	14	0	0	0
## 2162.3	10	50	10	10	0	25	0
## 2163.2	10	50	10	10	0	25	0
## 2164.1	10	50	10	10	0	25	0
## 2184	10	50	10	10	0	25	0
## 2174	14	0	14	14	0	50	0
## 2179.1	14	0	14	14	0	0	0
## 2180	14	0	14	14	0	0	0
## 2212	13	0	13	13	0	0	0
## 2229	10	0	10	10	0	100	0
## 2229.1	10	0	10	10	0	100	0
## 2230	10	0	10	10	0	100	0
## 2237	12	0	14	14	0	100	0
## 2247	2	0	2	2	0	0	0
## 2252	10	0	14	14	0	0	0
## 2275	14	0	2	2	0	0	0
## 2282	2	0	2	2	0	0	0
## 2273	2	0	14	2	0	0	0
## 2273.1	2	0	14	2	0	0	0
## 2285	2	0	14	2	0	0	0
## 2287	2	0	2	2	0	0	0
## 2292	2	0	2	2	0	0	0
## 2297	2	0	2	2	0	0	0
## 2300	2	0	2	2	0	0	0
## 2302	14	0	14	14	0	0	0
## 2308	14	0	2	2	0	0	0
## 2308.1	14	0	2	2	0	0	0
## 2309	14	0	2	2	0	0	0
## 2323	2	0	2	2	0	0	0
## 2339	2	0	2	2	0	0	0
## 2357	9	0	9	14	0	0	0
## 2360	9	0	12	12	0	0	0
## 2349	14	0	14	14	0	0	0
## 2367	12	0	12	12	0	0	0
## 2366	12	0	12	12	0	0	0
## 2380	9	0	9	12	0	0	0
## 2418	12	0	14	14	0	0	0
## 2433	14	0	14	9	0	0	0
## 2442	12	0	12	12	100	0	0
## 2450	14	0	14	14	0	0	0
## 2463	14	0	10	10	0	0	0
## 2480	13	100	13	13	0	0	0
## 2493	10	0	10	10	0	100	0
## 2504	14	0	14	14	0	25	0
## 2508	10	75	12	12	0	25	0

## 2512	14	50	14	14	0	0	0
## 2525	14	0	9	2	0	50	0
## 2533	13	0	13	13	0	0	0
## 2541	2	0	2	2	0	0	0
## 2548	2	0	2	2	0	0	0
## 2556	2	0	2	2	0	0	0
## 2568	2	0	2	2	0	0	0
## 2574	2	0	2	2	0	0	0
## 2573	2	0	2	2	0	0	0
## 2574.1	2	0	2	2	0	0	0
## 2575	2	0	2	2	0	0	0
## 2585	2	0	2	2	0	0	0
## 2574.2	2	0	2	2	0	0	0
## 2575.1	2	0	2	2	0	0	0
## 2579	2	0	2	2	0	0	0
## 2574.3	2	0	2	2	0	0	0
## 2575.2	2	0	2	2	0	0	0
## 2579.1	2	0	2	2	0	0	0
## 2591	2	0	2	2	0	0	0
## 2574.4	2	0	2	2	0	0	0
##	gacgem3a	gachws3a	galhws3a	ganhws3a	garhws3a	gcmhws3a	geaisg3a
## 3	540	30	0	0	0	40	80
## 3.1	540	30	0	0	0	40	80
## 4	540	30	0	0	0	40	80
## 2	363	30	0	0	0	40	80
## 11	447	0	0	0	0	25	72
## 11.1	447	0	0	0	0	25	72
## 12	447	0	0	0	0	25	72
## 11.2	447	0	0	0	0	25	72
## 12.1	447	0	0	0	0	25	72
## 13	447	0	0	0	0	25	72
## 11.3	447	0	0	0	0	25	72
## 12.2	447	0	0	0	0	25	72
## 13.1	447	0	0	0	0	25	72
## 14	447	0	0	0	0	25	72
## 11.4	447	0	0	0	0	25	72
## 12.3	447	0	0	0	0	25	72
## 13.2	447	0	0	0	0	25	72
## 14.1	447	0	0	0	0	25	72
## 15	447	0	0	0	0	25	72
## 17	311	0	0	0	0	0	80
## 11.5	447	0	0	0	0	25	72
## 12.4	447	0	0	0	0	25	72
## 13.3	447	0	0	0	0	25	72
## 14.2	447	0	0	0	0	25	72
## 15.1	447	0	0	0	0	25	72
## 16	447	0	0	0	0	25	72
## 17.1	311	0	0	0	0	0	80
## 18	311	0	0	0	0	0	80
## 17.2	311	0	0	0	0	0	80
## 18.1	311	0	0	0	0	0	80
## 21	311	0	0	0	0	0	80
## 17.3	311	0	0	0	0	0	80
## 18.2	311	0	0	0	0	0	80

## 21.1	311	0	0	0	0	0	80
## 22	311	0	0	0	0	0	80
## 17.4	311	0	0	0	0	0	80
## 18.3	311	0	0	0	0	0	80
## 21.2	311	0	0	0	0	0	80
## 22.1	311	0	0	0	0	0	80
## 23	311	0	0	0	0	0	80
## 17.5	311	0	0	0	0	0	80
## 18.4	311	0	0	0	0	0	80
## 21.3	311	0	0	0	0	0	80
## 22.2	311	0	0	0	0	0	80
## 23.1	311	0	0	0	0	0	80
## 24	311	0	0	0	0	0	80
## 17.6	311	0	0	0	0	0	80
## 18.5	311	0	0	0	0	0	80
## 21.4	311	0	0	0	0	0	80
## 22.3	311	0	0	0	0	0	80
## 23.2	311	0	0	0	0	0	80
## 24.1	311	0	0	0	0	0	80
## 25	311	0	0	0	0	0	80
## 17.7	311	0	0	0	0	0	80
## 18.6	311	0	0	0	0	0	80
## 21.5	311	0	0	0	0	0	80
## 22.4	311	0	0	0	0	0	80
## 23.3	311	0	0	0	0	0	80
## 24.2	311	0	0	0	0	0	80
## 25.1	311	0	0	0	0	0	80
## 26	311	0	0	0	0	0	80
## 17.8	311	0	0	0	0	0	80
## 18.7	311	0	0	0	0	0	80
## 21.6	311	0	0	0	0	0	80
## 22.5	311	0	0	0	0	0	80
## 23.4	311	0	0	0	0	0	80
## 24.3	311	0	0	0	0	0	80
## 25.2	311	0	0	0	0	0	80
## 26.1	311	0	0	0	0	0	80
## 27	311	0	0	0	0	0	80
## 17.9	311	0	0	0	0	0	80
## 18.8	311	0	0	0	0	0	80
## 21.7	311	0	0	0	0	0	80
## 22.6	311	0	0	0	0	0	80
## 23.5	311	0	0	0	0	0	80
## 24.4	311	0	0	0	0	0	80
## 25.3	311	0	0	0	0	0	80
## 26.2	311	0	0	0	0	0	80
## 27.1	311	0	0	0	0	0	80
## 28	311	0	0	0	0	0	80
## 17.10	311	0	0	0	0	0	80
## 18.9	311	0	0	0	0	0	80
## 21.8	311	0	0	0	0	0	80
## 22.7	311	0	0	0	0	0	80
## 23.6	311	0	0	0	0	0	80
## 24.5	311	0	0	0	0	0	80
## 25.4	311	0	0	0	0	0	80

## 26.3	311	0	0	0	0	0	80
## 27.2	311	0	0	0	0	0	80
## 28.1	311	0	0	0	0	0	80
## 29	311	0	0	0	0	0	80
## 17.11	311	0	0	0	0	0	80
## 18.10	311	0	0	0	0	0	80
## 21.9	311	0	0	0	0	0	80
## 22.8	311	0	0	0	0	0	80
## 23.7	311	0	0	0	0	0	80
## 24.6	311	0	0	0	0	0	80
## 25.5	311	0	0	0	0	0	80
## 26.4	311	0	0	0	0	0	80
## 27.3	311	0	0	0	0	0	80
## 28.2	311	0	0	0	0	0	80
## 29.1	311	0	0	0	0	0	80
## 30	311	0	0	0	0	0	80
## 17.12	311	0	0	0	0	0	80
## 18.11	311	0	0	0	0	0	80
## 21.10	311	0	0	0	0	0	80
## 22.9	311	0	0	0	0	0	80
## 23.8	311	0	0	0	0	0	80
## 24.7	311	0	0	0	0	0	80
## 25.6	311	0	0	0	0	0	80
## 26.5	311	0	0	0	0	0	80
## 27.4	311	0	0	0	0	0	80
## 28.3	311	0	0	0	0	0	80
## 29.2	311	0	0	0	0	0	80
## 30.1	311	0	0	0	0	0	80
## 31	311	0	0	0	0	0	80
## 17.13	311	0	0	0	0	0	80
## 18.12	311	0	0	0	0	0	80
## 21.11	311	0	0	0	0	0	80
## 22.10	311	0	0	0	0	0	80
## 23.9	311	0	0	0	0	0	80
## 24.8	311	0	0	0	0	0	80
## 25.7	311	0	0	0	0	0	80
## 26.6	311	0	0	0	0	0	80
## 27.5	311	0	0	0	0	0	80
## 28.4	311	0	0	0	0	0	80
## 29.3	311	0	0	0	0	0	80
## 30.2	311	0	0	0	0	0	80
## 31.1	311	0	0	0	0	0	80
## 32	311	0	0	0	0	0	80
## 17.14	311	0	0	0	0	0	80
## 18.13	311	0	0	0	0	0	80
## 21.12	311	0	0	0	0	0	80
## 22.11	311	0	0	0	0	0	80
## 23.10	311	0	0	0	0	0	80
## 24.9	311	0	0	0	0	0	80
## 25.8	311	0	0	0	0	0	80
## 26.7	311	0	0	0	0	0	80
## 27.6	311	0	0	0	0	0	80
## 28.5	311	0	0	0	0	0	80
## 29.4	311	0	0	0	0	0	80

## 30.3	311	0	0	0	0	0	80
## 31.2	311	0	0	0	0	0	80
## 32.1	311	0	0	0	0	0	80
## 33	311	0	0	0	0	0	80
## 17.15	311	0	0	0	0	0	80
## 18.14	311	0	0	0	0	0	80
## 21.13	311	0	0	0	0	0	80
## 22.12	311	0	0	0	0	0	80
## 23.11	311	0	0	0	0	0	80
## 24.10	311	0	0	0	0	0	80
## 25.9	311	0	0	0	0	0	80
## 26.8	311	0	0	0	0	0	80
## 27.7	311	0	0	0	0	0	80
## 28.6	311	0	0	0	0	0	80
## 29.5	311	0	0	0	0	0	80
## 30.4	311	0	0	0	0	0	80
## 31.3	311	0	0	0	0	0	80
## 32.2	311	0	0	0	0	0	80
## 33.1	311	0	0	0	0	0	80
## 34	311	0	0	0	0	0	80
## 17.16	311	0	0	0	0	0	80
## 18.15	311	0	0	0	0	0	80
## 21.14	311	0	0	0	0	0	80
## 22.13	311	0	0	0	0	0	80
## 23.12	311	0	0	0	0	0	80
## 24.11	311	0	0	0	0	0	80
## 25.10	311	0	0	0	0	0	80
## 26.9	311	0	0	0	0	0	80
## 27.8	311	0	0	0	0	0	80
## 28.7	311	0	0	0	0	0	80
## 29.6	311	0	0	0	0	0	80
## 30.5	311	0	0	0	0	0	80
## 31.4	311	0	0	0	0	0	80
## 32.3	311	0	0	0	0	0	80
## 33.2	311	0	0	0	0	0	80
## 34.1	311	0	0	0	0	0	80
## 35	311	0	0	0	0	0	80
## 17.17	311	0	0	0	0	0	80
## 18.16	311	0	0	0	0	0	80
## 21.15	311	0	0	0	0	0	80
## 22.14	311	0	0	0	0	0	80
## 23.13	311	0	0	0	0	0	80
## 24.12	311	0	0	0	0	0	80
## 25.11	311	0	0	0	0	0	80
## 26.10	311	0	0	0	0	0	80
## 27.9	311	0	0	0	0	0	80
## 28.8	311	0	0	0	0	0	80
## 29.7	311	0	0	0	0	0	80
## 30.6	311	0	0	0	0	0	80
## 31.5	311	0	0	0	0	0	80
## 32.4	311	0	0	0	0	0	80
## 33.3	311	0	0	0	0	0	80
## 34.2	311	0	0	0	0	0	80
## 35.1	311	0	0	0	0	0	80



## 36	311	0	0	0	0	0	80
## 17.18	311	0	0	0	0	0	80
## 18.17	311	0	0	0	0	0	80
## 21.16	311	0	0	0	0	0	80
## 22.15	311	0	0	0	0	0	80
## 23.14	311	0	0	0	0	0	80
## 24.13	311	0	0	0	0	0	80
## 25.12	311	0	0	0	0	0	80
## 26.11	311	0	0	0	0	0	80
## 27.10	311	0	0	0	0	0	80
## 28.9	311	0	0	0	0	0	80
## 29.8	311	0	0	0	0	0	80
## 30.7	311	0	0	0	0	0	80
## 31.6	311	0	0	0	0	0	80
## 32.5	311	0	0	0	0	0	80
## 33.4	311	0	0	0	0	0	80
## 34.3	311	0	0	0	0	0	80
## 35.2	311	0	0	0	0	0	80
## 36.1	311	0	0	0	0	0	80
## 37	311	0	0	0	0	0	80
## 17.19	311	0	0	0	0	0	80
## 18.18	311	0	0	0	0	0	80
## 21.17	311	0	0	0	0	0	80
## 22.16	311	0	0	0	0	0	80
## 23.15	311	0	0	0	0	0	80
## 24.14	311	0	0	0	0	0	80
## 25.13	311	0	0	0	0	0	80
## 26.12	311	0	0	0	0	0	80
## 27.11	311	0	0	0	0	0	80
## 28.10	311	0	0	0	0	0	80
## 29.9	311	0	0	0	0	0	80
## 30.8	311	0	0	0	0	0	80
## 31.7	311	0	0	0	0	0	80
## 32.6	311	0	0	0	0	0	80
## 33.5	311	0	0	0	0	0	80
## 34.4	311	0	0	0	0	0	80
## 35.3	311	0	0	0	0	0	80
## 36.2	311	0	0	0	0	0	80
## 37.1	311	0	0	0	0	0	80
## 38	311	0	0	0	0	0	80
## 17.20	311	0	0	0	0	0	80
## 18.19	311	0	0	0	0	0	80
## 21.18	311	0	0	0	0	0	80
## 22.17	311	0	0	0	0	0	80
## 23.16	311	0	0	0	0	0	80
## 24.15	311	0	0	0	0	0	80
## 25.14	311	0	0	0	0	0	80
## 26.13	311	0	0	0	0	0	80
## 27.12	311	0	0	0	0	0	80
## 28.11	311	0	0	0	0	0	80
## 29.10	311	0	0	0	0	0	80
## 30.9	311	0	0	0	0	0	80
## 31.8	311	0	0	0	0	0	80
## 32.7	311	0	0	0	0	0	80

## 33.6	311	0	0	0	0	0	80
## 34.5	311	0	0	0	0	0	80
## 35.4	311	0	0	0	0	0	80
## 36.3	311	0	0	0	0	0	80
## 37.2	311	0	0	0	0	0	80
## 38.1	311	0	0	0	0	0	80
## 39	311	0	0	0	0	0	80
## 17.21	311	0	0	0	0	0	80
## 18.20	311	0	0	0	0	0	80
## 21.19	311	0	0	0	0	0	80
## 22.18	311	0	0	0	0	0	80
## 23.17	311	0	0	0	0	0	80
## 24.16	311	0	0	0	0	0	80
## 25.15	311	0	0	0	0	0	80
## 26.14	311	0	0	0	0	0	80
## 27.13	311	0	0	0	0	0	80
## 28.12	311	0	0	0	0	0	80
## 29.11	311	0	0	0	0	0	80
## 30.10	311	0	0	0	0	0	80
## 31.9	311	0	0	0	0	0	80
## 32.8	311	0	0	0	0	0	80
## 33.7	311	0	0	0	0	0	80
## 34.6	311	0	0	0	0	0	80
## 35.5	311	0	0	0	0	0	80
## 36.4	311	0	0	0	0	0	80
## 37.3	311	0	0	0	0	0	80
## 38.2	311	0	0	0	0	0	80
## 39.1	311	0	0	0	0	0	80
## 41	311	0	0	0	0	0	80
## 10	157	30	0	0	0	40	72
## 50	423	30	0	0	0	40	80
## 51	407	30	0	0	0	40	80
## 58	515	30	0	0	0	40	80
## 44	585	30	0	0	0	40	72
## 49	470	30	0	0	0	40	72
## 9	69	0	0	0	0	25	80
## 58.1	515	30	0	0	0	40	80
## 59	515	30	0	0	0	40	80
## 74	517	30	0	0	0	40	80
## 76	625	30	0	0	0	40	72
## 88	647	30	0	0	0	40	80
## 83	626	30	0	0	0	40	80
## 89	537	30	0	0	0	40	80
## 79	461	0	0	0	0	25	80
## 76.1	625	30	0	0	0	40	72
## 77	625	30	0	0	0	40	72
## 73	497	30	0	0	0	40	80
## 72	526	30	0	0	0	40	80
## 71	548	30	0	0	0	40	80
## 96	526	30	0	0	0	40	72
## 74.1	517	30	0	0	0	40	80
## 75	517	30	0	0	0	40	80
## 104	9	0	0	0	80	0	80
## 119	248	0	0	0	80	0	80

## 129	273	0	0	60	0	0	18
## 128	122	0	0	100	0	0	18
## 122	161	0	0	100	0	0	18
## 142	15	0	0	0	0	0	80
## 150	339	0	0	0	0	25	80
## 121	36	0	0	0	0	25	80
## 167	229	0	0	0	0	25	80
## 121.1	36	0	0	0	0	25	80
## 154	36	0	0	0	0	25	80
## 142.1	15	0	0	0	0	0	80
## 146	15	0	0	0	0	0	80
## 119.1	248	0	0	0	80	0	80
## 120	248	0	0	0	80	0	80
## 177	806	30	0	0	0	40	80
## 174	22	0	0	0	0	0	80
## 175	58	0	0	0	0	20	80
## 176	37	0	0	0	80	0	80
## 135	137	0	0	100	0	0	11
## 169	179	0	0	0	0	25	80
## 196	520	0	0	0	0	20	80
## 196.1	520	0	0	0	0	20	80
## 197	520	0	0	0	0	20	80
## 196.2	520	0	0	0	0	20	80
## 197.1	520	0	0	0	0	20	80
## 198	520	0	0	0	0	20	80
## 196.3	520	0	0	0	0	20	80
## 197.2	520	0	0	0	0	20	80
## 198.1	520	0	0	0	0	20	80
## 199	520	0	0	0	0	20	80
## 196.4	520	0	0	0	0	20	80
## 197.3	520	0	0	0	0	20	80
## 198.2	520	0	0	0	0	20	80
## 199.1	520	0	0	0	0	20	80
## 200	520	0	0	0	0	20	80
## 195	356	0	0	0	0	20	80
## 206	421	0	0	40	0	0	18
## 208	337	0	0	100	0	0	18
## 213	301	0	0	40	0	0	18
## 213.1	301	0	0	40	0	0	18
## 214	301	0	0	40	0	0	18
## 213.2	301	0	0	40	0	0	18
## 214.1	301	0	0	40	0	0	18
## 215	301	0	0	40	0	0	18
## 217	409	0	0	40	0	0	18
## 217.1	409	0	0	40	0	0	18
## 218	409	0	0	40	0	0	18
## 231	197	0	0	60	0	0	18
## 242	85	0	0	100	0	0	18
## 250	98	0	0	100	0	0	18
## 223	149	0	0	60	0	0	18
## 238	79	0	0	0	0	20	80
## 246	487	0	0	60	0	0	18
## 246.1	487	0	0	60	0	0	18
## 260	487	0	0	60	0	0	18

## 282	271	0	0	100	0	0	18
## 284	32	0	0	0	0	0	80
## 196.5	520	0	0	0	0	20	80
## 197.4	520	0	0	0	0	20	80
## 198.3	520	0	0	0	0	20	80
## 199.2	520	0	0	0	0	20	80
## 200.1	520	0	0	0	0	20	80
## 201	520	0	0	0	0	20	80
## 195.1	356	0	0	0	0	20	80
## 202	356	0	0	0	0	20	80
## 238.1	79	0	0	0	0	20	80
## 254	79	0	0	0	0	20	80
## 296	50	0	0	0	0	20	72
## 237	54	0	0	0	0	20	80
## 296.1	50	0	0	0	0	20	72
## 297	50	0	0	0	0	20	72
## 275	450	0	0	60	0	0	11
## 296.2	50	0	0	0	0	20	72
## 297.1	50	0	0	0	0	20	72
## 299	50	0	0	0	0	20	72
## 237.1	54	0	0	0	0	20	80
## 298	54	0	0	0	0	20	80
## 292	231	0	0	0	0	20	80
## 195.2	356	0	0	0	0	20	80
## 202.1	356	0	0	0	0	20	80
## 293	356	0	0	0	0	20	80
## 317	190	0	0	0	0	25	80
## 316	145	0	0	0	0	25	80
## 322	26	0	0	60	0	0	11
## 324	206	0	0	40	0	0	67
## 329	230	0	0	30	0	0	18
## 337	61	0	0	30	0	0	18
## 355	112	0	0	30	0	0	18
## 322.1	26	0	0	60	0	0	11
## 323	26	0	0	60	0	0	11
## 320	424	0	0	0	0	25	80
## 317.1	190	0	0	0	0	25	80
## 318	190	0	0	0	0	25	80
## 319	170	0	0	0	0	20	80
## 317.2	190	0	0	0	0	25	80
## 318.1	190	0	0	0	0	25	80
## 375	190	0	0	0	0	25	80
## 393	99	0	0	0	0	0	67
## 316.1	145	0	0	0	0	25	80
## 321	145	0	0	0	0	25	80
## 381	422	0	0	0	0	25	80
## 399	328	0	0	0	0	0	72
## 399.1	328	0	0	0	0	0	72
## 400	328	0	0	0	0	0	72
## 402	66	0	0	40	0	0	67
## 408	259	0	0	0	0	0	18
## 408.1	259	0	0	0	0	0	18
## 409	259	0	0	0	0	0	18
## 417	40	0	0	0	0	0	18

## 411	59	0	0	0	0	0	18
## 408.2	259	0	0	0	0	0	18
## 409.1	259	0	0	0	0	0	18
## 410	259	0	0	0	0	0	18
## 431	234	0	0	0	0	0	18
## 435	218	0	0	0	0	0	18
## 433	234	0	0	0	0	0	18
## 427	431	0	0	30	0	0	18
## 447	726	0	0	40	0	0	67
## 449	569	0	0	40	0	0	67
## 465	6	0	0	0	0	0	18
## 470	182	0	0	40	0	0	67
## 460	66	0	0	0	0	0	67
## 479	34	0	0	0	0	0	18
## 402.1	66	0	0	40	0	0	67
## 403	66	0	0	40	0	0	67
## 502	14	0	0	30	0	0	18
## 502.1	14	0	0	30	0	0	18
## 503	14	0	0	30	0	0	18
## 497	761	0	0	80	0	0	80
## 514	7	0	0	0	0	0	18
## 507	783	0	0	0	0	25	80
## 399.2	328	0	0	0	0	0	72
## 400.1	328	0	0	0	0	0	72
## 401	328	0	0	0	0	0	72
## 497.1	761	0	0	80	0	0	80
## 508	761	0	0	80	0	0	80
## 495	764	0	0	80	0	0	37
## 572	1736	0	0	80	0	0	38
## 574	1599	0	0	80	0	0	38
## 574.1	1599	0	0	80	0	0	38
## 575	1599	0	0	80	0	0	38
## 579	1819	0	0	80	0	0	38
## 579.1	1819	0	0	80	0	0	38
## 582	1819	0	0	80	0	0	38
## 586	1824	0	0	80	0	0	38
## 572.1	1736	0	0	80	0	0	38
## 573	1736	0	0	80	0	0	38
## 599	1123	45	0	0	0	0	80
## 612	21	0	0	30	0	0	18
## 617	108	0	0	80	0	0	72
## 616	10	0	0	30	0	0	18
## 641	12	0	0	30	0	0	18
## 662	24	0	0	30	0	0	18
## 668	498	0	0	100	0	0	37
## 678	261	0	0	80	0	0	37
## 677	79	0	0	0	0	20	80
## 647	243	0	0	0	0	20	80
## 700	394	0	0	0	0	25	80
## 704	1479	0	0	0	0	100	80
## 709	1527	60	0	20	0	20	80
## 732	1221	60	0	20	0	20	80
## 806	480	0	0	100	0	0	11
## 700.1	394	0	0	0	0	25	80

## 701	394	0	0	0	0	25	80
## 851	366	0	0	100	0	0	18
## 859	453	0	0	80	0	0	72
## 887	746	0	0	0	0	100	80
## 894	624	0	0	0	0	100	80
## 896	613	0	0	0	0	100	80
## 899	965	0	0	0	0	100	80
## 901	603	60	0	20	0	20	80
## 910	714	60	0	20	0	20	80
## 894.1	624	0	0	0	0	100	80
## 900	624	0	0	0	0	100	80
## 917	671	60	0	20	0	20	80
## 926	1001	60	0	20	0	20	80
## 892	869	60	0	20	0	20	80
## 945	358	0	0	0	0	100	80
## 937	411	0	0	0	0	100	11
## 908	193	0	0	0	0	100	11
## 958	463	100	0	0	0	0	80
## 971	634	40	0	0	0	60	80
## 985	71	0	0	100	0	0	37
## 1019	148	0	0	50	30	0	18
## 1039	62	0	0	100	0	0	37
## 1017	26	0	0	50	30	0	37
## 1097	642	0	0	80	0	0	37
## 1135	753	0	0	100	0	0	37
## 1135.1	753	0	0	100	0	0	37
## 1136	753	0	0	100	0	0	37
## 1139	602	0	0	100	0	0	37
## 1139.1	602	0	0	100	0	0	37
## 1140	602	0	0	100	0	0	37
## 1145	604	0	0	80	0	0	37
## 1143	740	0	0	80	0	0	37
## 1145.1	604	0	0	80	0	0	37
## 1146	604	0	0	80	0	0	37
## 1138	646	0	0	80	0	0	37
## 1167	199	0	0	0	0	100	18
## 1173	239	0	0	0	0	100	11
## 1175	212	0	0	0	0	100	11
## 1178	358	0	0	0	0	100	11
## 1217	256	0	0	0	0	0	37
## 1211	641	0	0	0	0	0	80
## 1131	6	0	0	50	30	0	18
## 1250	224	0	0	0	0	0	80
## 1253	230	0	0	0	80	0	80
## 1268	10	0	0	50	30	0	18
## 1248	278	0	0	0	0	20	72
## 1249	306	0	0	80	0	0	72
## 1216	672	0	0	0	0	0	37
## 1216.1	672	0	0	0	0	0	37
## 1280	672	0	0	0	0	0	37
## 1266	18	0	0	50	30	0	18
## 1293	25	0	0	100	0	0	37
## 1295	70	0	0	100	0	0	11
## 1295.1	70	0	0	100	0	0	11

## 1296	70	0	0	100	0	0	11
## 1305	258	0	0	100	0	0	37
## 1308	69	0	0	100	0	0	37
## 1308.1	69	0	0	100	0	0	37
## 1309	69	0	0	100	0	0	37
## 1311	34	0	0	100	0	0	37
## 1315	353	0	0	100	0	0	37
## 1315.1	353	0	0	100	0	0	37
## 1316	353	0	0	100	0	0	37
## 1318	302	0	0	100	0	0	37
## 1320	364	0	0	100	0	0	37
## 1315.2	353	0	0	100	0	0	37
## 1316.1	353	0	0	100	0	0	37
## 1317	353	0	0	100	0	0	37
## 1327	307	0	0	100	0	0	37
## 1341	263	0	0	80	0	0	37
## 1345	122	0	0	80	0	0	37
## 1350	10	0	0	80	0	0	37
## 1408	10	0	0	30	0	0	18
## 1438	329	0	0	0	80	0	80
## 1443	344	0	0	0	80	0	80
## 1443.1	344	0	0	0	80	0	80
## 1444	344	0	0	0	80	0	80
## 1290	378	0	0	0	0	0	37
## 1465	276	0	0	0	0	0	80
## 1474	11	0	0	30	0	0	18
## 1474.1	11	0	0	30	0	0	18
## 1475	11	0	0	30	0	0	18
## 1485	166	0	0	30	0	0	18
## 1503	156	0	0	80	0	0	80
## 1506	50	0	0	0	0	20	80
## 1509	12	0	0	30	0	0	18
## 1533	18	0	0	100	0	0	37
## 1533.1	18	0	0	100	0	0	37
## 1534	18	0	0	100	0	0	37
## 1533.2	18	0	0	100	0	0	37
## 1534.1	18	0	0	100	0	0	37
## 1537	18	0	0	100	0	0	37
## 1533.3	18	0	0	100	0	0	37
## 1534.2	18	0	0	100	0	0	37
## 1537.1	18	0	0	100	0	0	37
## 1539	18	0	0	100	0	0	37
## 1545	30	0	0	100	0	0	37
## 1545.1	30	0	0	100	0	0	37
## 1546	30	0	0	100	0	0	37
## 1548	38	0	0	100	0	0	37
## 1552	269	0	0	100	0	0	37
## 1552.1	269	0	0	100	0	0	37
## 1557	269	0	0	100	0	0	37
## 1571	48	0	0	80	0	0	72
## 1580	155	0	0	40	0	0	18
## 1570	25	0	0	80	0	0	72
## 1584	53	0	0	40	0	0	67
## 1584.1	53	0	0	40	0	0	67

## 1606	53	0	0	40	0	0	67
## 1609	52	0	0	80	0	0	72
## 1612	613	0	0	100	0	0	37
## 1624	307	0	0	80	0	0	67
## 1629	373	0	0	80	0	0	67
## 1631	289	0	0	80	0	0	67
## 1642	453	0	0	0	0	0	80
## 1663	586	100	0	0	0	0	80
## 1702	299	0	0	30	0	0	18
## 1700	35	0	0	30	0	0	18
## 1719	167	0	0	80	0	0	80
## 1719.1	167	0	0	80	0	0	80
## 1720	167	0	0	80	0	0	80
## 1731	217	0	0	0	0	20	80
## 1742	116	0	0	0	0	30	80
## 1698	360	0	0	80	0	0	80
## 1749	261	0	0	0	0	0	80
## 1741	264	0	0	0	0	0	37
## 1768	9	0	0	30	0	0	18
## 1807	252	0	0	0	80	0	80
## 1771	251	0	0	0	80	0	80
## 1814	550	0	0	100	0	0	38
## 1830	758	0	0	100	0	0	37
## 1848	952	0	0	100	0	0	37
## 1853	116	0	0	80	0	0	67
## 1863	117	0	0	80	0	0	67
## 1862	82	0	0	80	0	0	67
## 1862.1	82	0	0	80	0	0	67
## 1867	82	0	0	80	0	0	67
## 1865	112	0	0	80	0	0	67
## 1862.2	82	0	0	80	0	0	67
## 1867.1	82	0	0	80	0	0	67
## 1868	82	0	0	80	0	0	67
## 1862.3	82	0	0	80	0	0	67
## 1867.2	82	0	0	80	0	0	67
## 1868.1	82	0	0	80	0	0	67
## 1872	82	0	0	80	0	0	67
## 1879	784	100	0	0	0	0	80
## 1911	76	0	0	0	0	30	80
## 1952	264	0	0	0	80	0	80
## 1954	348	0	0	0	80	0	80
## 1973	62	0	0	100	0	0	18
## 1989	986	0	0	100	0	0	37
## 1994	107	0	0	100	0	0	37
## 1996	75	0	0	100	0	0	37
## 1998	538	0	0	100	0	0	37
## 1998.1	538	0	0	100	0	0	37
## 1999	538	0	0	100	0	0	37
## 2001	169	0	0	100	0	0	37
## 2021	65	0	0	50	30	0	18
## 2015	96	0	0	50	30	0	18
## 2029	747	0	0	100	0	0	37
## 2034	1076	0	0	100	0	0	37
## 2039	83	0	0	80	0	0	67



## 2045	514	0	0	80	0	0	67
## 2064	187	0	0	0	0	100	38
## 2062	139	0	0	0	0	100	38
## 2069	137	0	0	0	0	100	11
## 2064.1	187	0	0	0	0	100	38
## 2070	187	0	0	0	0	100	38
## 2101	49	0	0	0	0	50	80
## 2110	74	0	0	0	0	50	80
## 2113	58	0	0	0	0	50	80
## 2131	149	0	0	80	0	0	72
## 2131.1	149	0	0	80	0	0	72
## 2132	149	0	0	80	0	0	72
## 2135	704	0	0	100	0	0	72
## 2145	54	0	0	0	0	50	72
## 2153	418	0	0	0	0	50	80
## 2162	518	0	0	50	30	0	37
## 2162.1	518	0	0	50	30	0	37
## 2163	518	0	0	50	30	0	37
## 2168	414	0	0	50	30	0	37
## 2168.1	414	0	0	50	30	0	37
## 2169	414	0	0	50	30	0	37
## 2179	230	0	0	50	30	0	37
## 2178	174	0	0	50	30	0	37
## 2182	228	0	0	50	30	0	37
## 2162.2	518	0	0	50	30	0	37
## 2163.1	518	0	0	50	30	0	37
## 2164	518	0	0	50	30	0	37
## 2187	71	0	0	50	30	0	37
## 2162.3	518	0	0	50	30	0	37
## 2163.2	518	0	0	50	30	0	37
## 2164.1	518	0	0	50	30	0	37
## 2184	518	0	0	50	30	0	37
## 2174	98	0	0	50	30	0	37
## 2179.1	230	0	0	50	30	0	37
## 2180	230	0	0	50	30	0	37
## 2212	64	0	0	50	30	0	18
## 2229	653	0	0	50	30	0	37
## 2229.1	653	0	0	50	30	0	37
## 2230	653	0	0	50	30	0	37
## 2237	136	0	0	50	30	0	18
## 2247	737	0	0	100	0	0	72
## 2252	1106	0	0	100	0	0	37
## 2275	100	0	0	0	0	100	38
## 2282	253	0	0	0	0	100	38
## 2273	128	0	0	0	0	100	80
## 2273.1	128	0	0	0	0	100	80
## 2285	128	0	0	0	0	100	80
## 2287	125	0	0	0	0	100	11
## 2292	384	0	0	0	0	100	11
## 2297	110	0	0	0	0	100	11
## 2300	130	0	0	0	0	100	11
## 2302	220	0	0	0	0	100	38
## 2308	147	0	0	0	0	100	11
## 2308.1	147	0	0	0	0	100	11

## 2309	147	0	0	0	0	100	11
## 2323	402	100	0	0	0	0	80
## 2339	1798	0	0	0	0	0	80
## 2357	61	0	0	0	0	50	80
## 2360	195	0	0	0	0	50	80
## 2349	63	0	0	0	0	50	80
## 2367	179	0	0	40	0	0	72
## 2366	143	0	0	0	0	50	80
## 2380	37	0	0	0	0	50	72
## 2418	197	0	0	40	0	0	72
## 2433	200	0	0	40	0	0	80
## 2442	222	0	0	40	0	0	80
## 2450	90	0	0	0	0	20	80
## 2463	348	0	0	30	0	0	18
## 2480	38	0	0	50	30	0	18
## 2493	177	0	0	50	30	0	18
## 2504	33	0	0	30	0	0	18
## 2508	41	0	0	50	30	0	18
## 2512	36	0	0	50	30	0	18
## 2525	615	0	0	100	0	0	37
## 2533	125	0	0	0	0	100	80
## 2541	226	0	0	0	0	100	80
## 2548	157	0	0	0	0	100	38
## 2556	403	0	0	0	0	100	38
## 2568	124	0	0	0	0	100	80
## 2574	237	60	0	20	0	20	80
## 2573	402	60	0	20	0	20	11
## 2574.1	237	60	0	20	0	20	80
## 2575	237	60	0	20	0	20	80
## 2585	620	30	0	0	0	70	80
## 2574.2	237	60	0	20	0	20	80
## 2575.1	237	60	0	20	0	20	80
## 2579	237	60	0	20	0	20	80
## 2574.3	237	60	0	20	0	20	80
## 2575.2	237	60	0	20	0	20	80
## 2579.1	237	60	0	20	0	20	80
## 2591	237	60	0	20	0	20	80
## 2574.4	237	60	0	20	0	20	80
##	gflhws3a	gglhws3a	glcesa3a	glcjrc3a	glphws3a	glvhws3a	glwwwf3a
## 3	0	0	40	16	0	30	0
## 3.1	0	0	40	16	0	30	0
## 4	0	0	40	16	0	30	0
## 2	0	0	110	17	0	30	0
## 11	0	0	140	1	0	75	0
## 11.1	0	0	140	1	0	75	0
## 12	0	0	140	1	0	75	0
## 11.2	0	0	140	1	0	75	0
## 12.1	0	0	140	1	0	75	0
## 13	0	0	140	1	0	75	0
## 11.3	0	0	140	1	0	75	0
## 12.2	0	0	140	1	0	75	0
## 13.1	0	0	140	1	0	75	0
## 14	0	0	140	1	0	75	0
## 11.4	0	0	140	1	0	75	0

## 12.3	0	0	140	1	0	75	0
## 13.2	0	0	140	1	0	75	0
## 14.1	0	0	140	1	0	75	0
## 15	0	0	140	1	0	75	0
## 17	100	0	20	17	0	0	0
## 11.5	0	0	140	1	0	75	0
## 12.4	0	0	140	1	0	75	0
## 13.3	0	0	140	1	0	75	0
## 14.2	0	0	140	1	0	75	0
## 15.1	0	0	140	1	0	75	0
## 16	0	0	140	1	0	75	0
## 17.1	100	0	20	17	0	0	0
## 18	100	0	20	17	0	0	0
## 17.2	100	0	20	17	0	0	0
## 18.1	100	0	20	17	0	0	0
## 21	100	0	20	17	0	0	0
## 17.3	100	0	20	17	0	0	0
## 18.2	100	0	20	17	0	0	0
## 21.1	100	0	20	17	0	0	0
## 22	100	0	20	17	0	0	0
## 17.4	100	0	20	17	0	0	0
## 18.3	100	0	20	17	0	0	0
## 21.2	100	0	20	17	0	0	0
## 22.1	100	0	20	17	0	0	0
## 23	100	0	20	17	0	0	0
## 17.5	100	0	20	17	0	0	0
## 18.4	100	0	20	17	0	0	0
## 21.3	100	0	20	17	0	0	0
## 22.2	100	0	20	17	0	0	0
## 23.1	100	0	20	17	0	0	0
## 24	100	0	20	17	0	0	0
## 17.6	100	0	20	17	0	0	0
## 18.5	100	0	20	17	0	0	0
## 21.4	100	0	20	17	0	0	0
## 22.3	100	0	20	17	0	0	0
## 23.2	100	0	20	17	0	0	0
## 24.1	100	0	20	17	0	0	0
## 25	100	0	20	17	0	0	0
## 17.7	100	0	20	17	0	0	0
## 18.6	100	0	20	17	0	0	0
## 21.5	100	0	20	17	0	0	0
## 22.4	100	0	20	17	0	0	0
## 23.3	100	0	20	17	0	0	0
## 24.2	100	0	20	17	0	0	0
## 25.1	100	0	20	17	0	0	0
## 26	100	0	20	17	0	0	0
## 17.8	100	0	20	17	0	0	0
## 18.7	100	0	20	17	0	0	0
## 21.6	100	0	20	17	0	0	0
## 22.5	100	0	20	17	0	0	0
## 23.4	100	0	20	17	0	0	0
## 24.3	100	0	20	17	0	0	0
## 25.2	100	0	20	17	0	0	0
## 26.1	100	0	20	17	0	0	0

## 27	100	0	20	17	0	0	0
## 17.9	100	0	20	17	0	0	0
## 18.8	100	0	20	17	0	0	0
## 21.7	100	0	20	17	0	0	0
## 22.6	100	0	20	17	0	0	0
## 23.5	100	0	20	17	0	0	0
## 24.4	100	0	20	17	0	0	0
## 25.3	100	0	20	17	0	0	0
## 26.2	100	0	20	17	0	0	0
## 27.1	100	0	20	17	0	0	0
## 28	100	0	20	17	0	0	0
## 17.10	100	0	20	17	0	0	0
## 18.9	100	0	20	17	0	0	0
## 21.8	100	0	20	17	0	0	0
## 22.7	100	0	20	17	0	0	0
## 23.6	100	0	20	17	0	0	0
## 24.5	100	0	20	17	0	0	0
## 25.4	100	0	20	17	0	0	0
## 26.3	100	0	20	17	0	0	0
## 27.2	100	0	20	17	0	0	0
## 28.1	100	0	20	17	0	0	0
## 29	100	0	20	17	0	0	0
## 17.11	100	0	20	17	0	0	0
## 18.10	100	0	20	17	0	0	0
## 21.9	100	0	20	17	0	0	0
## 22.8	100	0	20	17	0	0	0
## 23.7	100	0	20	17	0	0	0
## 24.6	100	0	20	17	0	0	0
## 25.5	100	0	20	17	0	0	0
## 26.4	100	0	20	17	0	0	0
## 27.3	100	0	20	17	0	0	0
## 28.2	100	0	20	17	0	0	0
## 29.1	100	0	20	17	0	0	0
## 30	100	0	20	17	0	0	0
## 17.12	100	0	20	17	0	0	0
## 18.11	100	0	20	17	0	0	0
## 21.10	100	0	20	17	0	0	0
## 22.9	100	0	20	17	0	0	0
## 23.8	100	0	20	17	0	0	0
## 24.7	100	0	20	17	0	0	0
## 25.6	100	0	20	17	0	0	0
## 26.5	100	0	20	17	0	0	0
## 27.4	100	0	20	17	0	0	0
## 28.3	100	0	20	17	0	0	0
## 29.2	100	0	20	17	0	0	0
## 30.1	100	0	20	17	0	0	0
## 31	100	0	20	17	0	0	0
## 17.13	100	0	20	17	0	0	0
## 18.12	100	0	20	17	0	0	0
## 21.11	100	0	20	17	0	0	0
## 22.10	100	0	20	17	0	0	0
## 23.9	100	0	20	17	0	0	0
## 24.8	100	0	20	17	0	0	0
## 25.7	100	0	20	17	0	0	0

## 26.6	100	0	20	17	0	0	0
## 27.5	100	0	20	17	0	0	0
## 28.4	100	0	20	17	0	0	0
## 29.3	100	0	20	17	0	0	0
## 30.2	100	0	20	17	0	0	0
## 31.1	100	0	20	17	0	0	0
## 32	100	0	20	17	0	0	0
## 17.14	100	0	20	17	0	0	0
## 18.13	100	0	20	17	0	0	0
## 21.12	100	0	20	17	0	0	0
## 22.11	100	0	20	17	0	0	0
## 23.10	100	0	20	17	0	0	0
## 24.9	100	0	20	17	0	0	0
## 25.8	100	0	20	17	0	0	0
## 26.7	100	0	20	17	0	0	0
## 27.6	100	0	20	17	0	0	0
## 28.5	100	0	20	17	0	0	0
## 29.4	100	0	20	17	0	0	0
## 30.3	100	0	20	17	0	0	0
## 31.2	100	0	20	17	0	0	0
## 32.1	100	0	20	17	0	0	0
## 33	100	0	20	17	0	0	0
## 17.15	100	0	20	17	0	0	0
## 18.14	100	0	20	17	0	0	0
## 21.13	100	0	20	17	0	0	0
## 22.12	100	0	20	17	0	0	0
## 23.11	100	0	20	17	0	0	0
## 24.10	100	0	20	17	0	0	0
## 25.9	100	0	20	17	0	0	0
## 26.8	100	0	20	17	0	0	0
## 27.7	100	0	20	17	0	0	0
## 28.6	100	0	20	17	0	0	0
## 29.5	100	0	20	17	0	0	0
## 30.4	100	0	20	17	0	0	0
## 31.3	100	0	20	17	0	0	0
## 32.2	100	0	20	17	0	0	0
## 33.1	100	0	20	17	0	0	0
## 34	100	0	20	17	0	0	0
## 17.16	100	0	20	17	0	0	0
## 18.15	100	0	20	17	0	0	0
## 21.14	100	0	20	17	0	0	0
## 22.13	100	0	20	17	0	0	0
## 23.12	100	0	20	17	0	0	0
## 24.11	100	0	20	17	0	0	0
## 25.10	100	0	20	17	0	0	0
## 26.9	100	0	20	17	0	0	0
## 27.8	100	0	20	17	0	0	0
## 28.7	100	0	20	17	0	0	0
## 29.6	100	0	20	17	0	0	0
## 30.5	100	0	20	17	0	0	0
## 31.4	100	0	20	17	0	0	0
## 32.3	100	0	20	17	0	0	0
## 33.2	100	0	20	17	0	0	0
## 34.1	100	0	20	17	0	0	0

## 35	100	0	20	17	0	0	0
## 17.17	100	0	20	17	0	0	0
## 18.16	100	0	20	17	0	0	0
## 21.15	100	0	20	17	0	0	0
## 22.14	100	0	20	17	0	0	0
## 23.13	100	0	20	17	0	0	0
## 24.12	100	0	20	17	0	0	0
## 25.11	100	0	20	17	0	0	0
## 26.10	100	0	20	17	0	0	0
## 27.9	100	0	20	17	0	0	0
## 28.8	100	0	20	17	0	0	0
## 29.7	100	0	20	17	0	0	0
## 30.6	100	0	20	17	0	0	0
## 31.5	100	0	20	17	0	0	0
## 32.4	100	0	20	17	0	0	0
## 33.3	100	0	20	17	0	0	0
## 34.2	100	0	20	17	0	0	0
## 35.1	100	0	20	17	0	0	0
## 36	100	0	20	17	0	0	0
## 17.18	100	0	20	17	0	0	0
## 18.17	100	0	20	17	0	0	0
## 21.16	100	0	20	17	0	0	0
## 22.15	100	0	20	17	0	0	0
## 23.14	100	0	20	17	0	0	0
## 24.13	100	0	20	17	0	0	0
## 25.12	100	0	20	17	0	0	0
## 26.11	100	0	20	17	0	0	0
## 27.10	100	0	20	17	0	0	0
## 28.9	100	0	20	17	0	0	0
## 29.8	100	0	20	17	0	0	0
## 30.7	100	0	20	17	0	0	0
## 31.6	100	0	20	17	0	0	0
## 32.5	100	0	20	17	0	0	0
## 33.4	100	0	20	17	0	0	0
## 34.3	100	0	20	17	0	0	0
## 35.2	100	0	20	17	0	0	0
## 36.1	100	0	20	17	0	0	0
## 37	100	0	20	17	0	0	0
## 17.19	100	0	20	17	0	0	0
## 18.18	100	0	20	17	0	0	0
## 21.17	100	0	20	17	0	0	0
## 22.16	100	0	20	17	0	0	0
## 23.15	100	0	20	17	0	0	0
## 24.14	100	0	20	17	0	0	0
## 25.13	100	0	20	17	0	0	0
## 26.12	100	0	20	17	0	0	0
## 27.11	100	0	20	17	0	0	0
## 28.10	100	0	20	17	0	0	0
## 29.9	100	0	20	17	0	0	0
## 30.8	100	0	20	17	0	0	0
## 31.7	100	0	20	17	0	0	0
## 32.6	100	0	20	17	0	0	0
## 33.5	100	0	20	17	0	0	0
## 34.4	100	0	20	17	0	0	0

## 35.3	100	0	20	17	0	0	0
## 36.2	100	0	20	17	0	0	0
## 37.1	100	0	20	17	0	0	0
## 38	100	0	20	17	0	0	0
## 17.20	100	0	20	17	0	0	0
## 18.19	100	0	20	17	0	0	0
## 21.18	100	0	20	17	0	0	0
## 22.17	100	0	20	17	0	0	0
## 23.16	100	0	20	17	0	0	0
## 24.15	100	0	20	17	0	0	0
## 25.14	100	0	20	17	0	0	0
## 26.13	100	0	20	17	0	0	0
## 27.12	100	0	20	17	0	0	0
## 28.11	100	0	20	17	0	0	0
## 29.10	100	0	20	17	0	0	0
## 30.9	100	0	20	17	0	0	0
## 31.8	100	0	20	17	0	0	0
## 32.7	100	0	20	17	0	0	0
## 33.6	100	0	20	17	0	0	0
## 34.5	100	0	20	17	0	0	0
## 35.4	100	0	20	17	0	0	0
## 36.3	100	0	20	17	0	0	0
## 37.2	100	0	20	17	0	0	0
## 38.1	100	0	20	17	0	0	0
## 39	100	0	20	17	0	0	0
## 17.21	100	0	20	17	0	0	0
## 18.20	100	0	20	17	0	0	0
## 21.19	100	0	20	17	0	0	0
## 22.18	100	0	20	17	0	0	0
## 23.17	100	0	20	17	0	0	0
## 24.16	100	0	20	17	0	0	0
## 25.15	100	0	20	17	0	0	0
## 26.14	100	0	20	17	0	0	0
## 27.13	100	0	20	17	0	0	0
## 28.12	100	0	20	17	0	0	0
## 29.11	100	0	20	17	0	0	0
## 30.10	100	0	20	17	0	0	0
## 31.9	100	0	20	17	0	0	0
## 32.8	100	0	20	17	0	0	0
## 33.7	100	0	20	17	0	0	0
## 34.6	100	0	20	17	0	0	0
## 35.5	100	0	20	17	0	0	0
## 36.4	100	0	20	17	0	0	0
## 37.3	100	0	20	17	0	0	0
## 38.2	100	0	20	17	0	0	0
## 39.1	100	0	20	17	0	0	0
## 41	100	0	20	17	0	0	0
## 10	0	0	40	17	0	30	0
## 50	0	0	20	17	0	30	0
## 51	0	0	20	17	0	30	0
## 58	0	0	40	1	0	30	0
## 44	0	0	14	16	0	30	0
## 49	0	0	40	1	0	30	0
## 9	0	0	130	14	0	75	0

## 58.1	0	0	40	1	0	30	0
## 59	0	0	40	1	0	30	0
## 74	0	0	14	17	0	30	0
## 76	0	0	40	16	0	30	0
## 88	0	0	40	1	0	30	0
## 83	0	0	30	1	0	30	0
## 89	0	0	140	13	0	30	0
## 79	0	0	40	17	0	75	0
## 76.1	0	0	40	16	0	30	0
## 77	0	0	40	16	0	30	0
## 73	0	0	40	14	0	30	3
## 72	0	0	30	16	0	30	0
## 71	0	0	40	12	0	30	0
## 96	0	0	40	17	0	30	3
## 74.1	0	0	14	17	0	30	0
## 75	0	0	14	17	0	30	0
## 104	0	0	40	8	0	20	3
## 119	0	0	14	16	0	20	0
## 129	0	0	110	13	0	0	0
## 128	0	0	30	16	0	0	0
## 122	0	0	40	16	0	0	0
## 142	40	60	40	17	0	0	0
## 150	0	0	40	16	0	75	0
## 121	0	0	20	17	0	75	0
## 167	0	0	40	17	0	75	0
## 121.1	0	0	20	17	0	75	0
## 154	0	0	20	17	0	75	0
## 142.1	40	60	40	17	0	0	0
## 146	40	60	40	17	0	0	0
## 119.1	0	0	14	16	0	20	0
## 120	0	0	14	16	0	20	0
## 177	0	0	40	1	0	30	0
## 174	40	60	14	16	0	0	0
## 175	0	0	14	16	0	50	0
## 176	0	0	130	14	0	20	0
## 135	0	0	40	17	0	0	0
## 169	0	0	14	16	0	75	0
## 196	0	0	40	17	0	50	0
## 196.1	0	0	40	17	0	50	0
## 197	0	0	40	17	0	50	0
## 196.2	0	0	40	17	0	50	0
## 197.1	0	0	40	17	0	50	0
## 198	0	0	40	17	0	50	0
## 196.3	0	0	40	17	0	50	0
## 197.2	0	0	40	17	0	50	0
## 198.1	0	0	40	17	0	50	0
## 199	0	0	40	17	0	50	0
## 196.4	0	0	40	17	0	50	0
## 197.3	0	0	40	17	0	50	0
## 198.2	0	0	40	17	0	50	0
## 199.1	0	0	40	17	0	50	0
## 200	0	0	40	17	0	50	0
## 195	0	0	14	16	0	50	0
## 206	0	0	30	16	0	0	0



## 208	0	0	30	14	0	0	0
## 213	0	0	20	17	0	0	0
## 213.1	0	0	20	17	0	0	0
## 214	0	0	20	17	0	0	0
## 213.2	0	0	20	17	0	0	0
## 214.1	0	0	20	17	0	0	0
## 215	0	0	20	17	0	0	0
## 217	0	0	40	17	0	0	0
## 217.1	0	0	40	17	0	0	0
## 218	0	0	40	17	0	0	0
## 231	0	0	40	17	0	0	0
## 242	0	0	30	18	0	0	0
## 250	0	0	14	16	0	0	0
## 223	0	0	130	16	0	0	0
## 238	0	0	40	17	0	50	0
## 246	0	0	30	16	0	0	0
## 246.1	0	0	30	16	0	0	0
## 260	0	0	30	16	0	0	0
## 282	0	0	14	16	0	0	0
## 284	40	60	20	16	0	0	0
## 196.5	0	0	40	17	0	50	0
## 197.4	0	0	40	17	0	50	0
## 198.3	0	0	40	17	0	50	0
## 199.2	0	0	40	17	0	50	0
## 200.1	0	0	40	17	0	50	0
## 201	0	0	40	17	0	50	0
## 195.1	0	0	14	16	0	50	0
## 202	0	0	14	16	0	50	0
## 238.1	0	0	40	17	0	50	0
## 254	0	0	40	17	0	50	0
## 296	0	0	40	17	0	50	0
## 237	0	0	20	17	0	50	0
## 296.1	0	0	40	17	0	50	0
## 297	0	0	40	17	0	50	0
## 275	0	0	40	16	0	0	0
## 296.2	0	0	40	17	0	50	0
## 297.1	0	0	40	17	0	50	0
## 299	0	0	40	17	0	50	0
## 237.1	0	0	20	17	0	50	0
## 298	0	0	20	17	0	50	0
## 292	0	0	40	17	0	50	0
## 195.2	0	0	14	16	0	50	0
## 202.1	0	0	14	16	0	50	0
## 293	0	0	14	16	0	50	0
## 317	0	0	20	17	0	75	0
## 316	0	0	30	16	0	75	0
## 322	0	0	140	12	0	0	0
## 324	0	0	40	17	0	0	0
## 329	0	0	130	14	0	0	0
## 337	0	0	30	16	0	0	0
## 355	0	0	40	16	0	0	0
## 322.1	0	0	140	12	0	0	0
## 323	0	0	140	12	0	0	0
## 320	0	0	40	17	0	75	0

## 317.1	0	0	20	17	0	75	0
## 318	0	0	20	17	0	75	0
## 319	0	0	40	17	0	50	0
## 317.2	0	0	20	17	0	75	0
## 318.1	0	0	20	17	0	75	0
## 375	0	0	20	17	0	75	0
## 393	0	0	50	14	0	0	0
## 316.1	0	0	30	16	0	75	0
## 321	0	0	30	16	0	75	0
## 381	0	0	40	16	0	75	0
## 399	0	0	40	17	0	100	0
## 399.1	0	0	40	17	0	100	0
## 400	0	0	40	17	0	100	0
## 402	0	0	20	12	0	0	0
## 408	0	0	110	18	0	0	0
## 408.1	0	0	110	18	0	0	0
## 409	0	0	110	18	0	0	0
## 417	0	0	30	14	0	0	0
## 411	0	0	20	14	0	0	0
## 408.2	0	0	110	18	0	0	0
## 409.1	0	0	110	18	0	0	0
## 410	0	0	110	18	0	0	0
## 431	0	0	110	14	0	0	0
## 435	0	0	110	14	0	0	0
## 433	0	0	140	18	0	0	0
## 427	0	0	110	18	0	0	0
## 447	0	0	40	1	0	0	0
## 449	0	0	40	16	0	0	0
## 465	0	0	140	13	0	0	0
## 470	0	0	130	12	0	0	0
## 460	0	0	30	13	0	0	0
## 479	0	0	20	12	0	0	0
## 402.1	0	0	20	12	0	0	0
## 403	0	0	20	12	0	0	0
## 502	0	0	50	12	0	0	0
## 502.1	0	0	50	12	0	0	0
## 503	0	0	50	12	0	0	0
## 497	20	0	20	1	0	0	0
## 514	0	0	20	13	0	0	0
## 507	0	0	20	1	0	75	0
## 399.2	0	0	40	17	0	100	0
## 400.1	0	0	40	17	0	100	0
## 401	0	0	40	17	0	100	0
## 497.1	20	0	20	1	0	0	0
## 508	20	0	20	1	0	0	0
## 495	20	0	130	13	0	0	0
## 572	0	0	40	1	0	0	0
## 574	0	0	40	1	0	0	5
## 574.1	0	0	40	1	0	0	5
## 575	0	0	40	1	0	0	5
## 579	0	0	40	1	0	0	0
## 579.1	0	0	40	1	0	0	0
## 582	0	0	40	1	0	0	0
## 586	0	0	40	1	0	0	0

## 572.1	0	0	40	1	0	0	0
## 573	0	0	40	1	0	0	0
## 599	0	15	40	17	0	0	0
## 612	0	0	140	12	0	0	0
## 617	20	0	40	17	0	0	0
## 616	0	0	20	14	0	0	0
## 641	0	0	20	18	0	0	0
## 662	0	0	110	18	0	0	0
## 668	0	0	40	17	0	0	0
## 678	20	0	40	16	0	0	0
## 677	0	0	14	17	0	50	0
## 647	0	0	20	17	0	50	0
## 700	0	0	40	17	0	75	0
## 704	0	0	40	1	0	0	5
## 709	0	0	40	1	0	0	5
## 732	0	0	40	1	0	0	5
## 806	0	0	20	17	0	0	0
## 700.1	0	0	40	17	0	75	0
## 701	0	0	40	17	0	75	0
## 851	0	0	40	17	0	0	0
## 859	20	0	14	17	0	0	0
## 887	0	0	40	1	0	0	0
## 894	0	0	40	1	0	0	5
## 896	0	0	20	1	0	0	0
## 899	0	0	40	1	0	0	0
## 901	0	0	20	1	0	0	5
## 910	0	0	20	1	0	0	0
## 894.1	0	0	40	1	0	0	5
## 900	0	0	40	1	0	0	5
## 917	0	0	40	1	0	0	5
## 926	0	0	40	1	0	0	0
## 892	0	0	40	1	0	0	0
## 945	0	0	40	1	0	0	5
## 937	0	0	40	1	0	0	5
## 908	0	0	40	17	0	0	5
## 958	0	0	40	1	0	0	0
## 971	0	0	40	17	0	0	0
## 985	0	0	20	17	0	0	0
## 1019	0	0	30	18	0	0	0
## 1039	0	0	40	17	0	0	0
## 1017	0	0	40	12	0	0	0
## 1097	20	0	30	16	0	0	0
## 1135	0	0	20	1	0	0	0
## 1135.1	0	0	20	1	0	0	0
## 1136	0	0	20	1	0	0	0
## 1139	0	0	40	14	0	0	0
## 1139.1	0	0	40	14	0	0	0
## 1140	0	0	40	14	0	0	0
## 1145	20	0	40	1	0	0	0
## 1143	20	0	40	1	0	0	0
## 1145.1	20	0	40	1	0	0	0
## 1146	20	0	40	1	0	0	0
## 1138	20	0	40	1	0	0	0
## 1167	0	0	40	1	0	0	0

## 1173	0	0	40	1	0	0	5
## 1175	0	0	40	1	0	0	0
## 1178	0	0	40	1	0	0	5
## 1217	0	0	14	17	0	100	0
## 1211	0	0	14	16	0	100	0
## 1131	0	0	30	12	0	0	0
## 1250	0	0	20	14	0	100	0
## 1253	0	0	210	17	0	20	0
## 1268	0	0	110	12	0	0	0
## 1248	0	0	20	14	0	50	0
## 1249	20	0	14	17	0	0	0
## 1216	0	0	20	17	0	100	0
## 1216.1	0	0	20	17	0	100	0
## 1280	0	0	20	17	0	100	0
## 1266	0	0	140	12	0	0	0
## 1293	0	0	130	18	0	0	0
## 1295	0	0	40	1	0	0	0
## 1295.1	0	0	40	1	0	0	0
## 1296	0	0	40	1	0	0	0
## 1305	0	0	40	1	0	0	0
## 1308	0	0	40	1	0	0	0
## 1308.1	0	0	40	1	0	0	0
## 1309	0	0	40	1	0	0	0
## 1311	0	0	40	1	0	0	0
## 1315	0	0	40	1	0	0	0
## 1315.1	0	0	40	1	0	0	0
## 1316	0	0	40	1	0	0	0
## 1318	0	0	20	1	0	0	0
## 1320	0	0	40	17	0	0	0
## 1315.2	0	0	40	1	0	0	0
## 1316.1	0	0	40	1	0	0	0
## 1317	0	0	40	1	0	0	0
## 1327	0	0	40	1	0	0	0
## 1341	20	0	40	1	0	0	0
## 1345	20	0	40	14	0	0	5
## 1350	20	0	130	18	0	0	0
## 1408	0	0	110	14	0	0	0
## 1438	0	0	20	17	0	20	0
## 1443	0	0	20	17	0	20	0
## 1443.1	0	0	20	17	0	20	0
## 1444	0	0	20	17	0	20	0
## 1290	0	0	20	16	0	100	0
## 1465	0	0	40	17	0	100	0
## 1474	0	0	140	17	0	0	0
## 1474.1	0	0	140	17	0	0	0
## 1475	0	0	140	17	0	0	0
## 1485	0	0	20	16	0	0	0
## 1503	20	0	14	17	0	0	0
## 1506	0	0	130	14	0	50	0
## 1509	0	0	20	16	0	0	0
## 1533	0	0	40	17	0	0	0
## 1533.1	0	0	40	17	0	0	0
## 1534	0	0	40	17	0	0	0
## 1533.2	0	0	40	17	0	0	0

## 1534.1	0	0	40	17	0	0	0
## 1537	0	0	40	17	0	0	0
## 1533.3	0	0	40	17	0	0	0
## 1534.2	0	0	40	17	0	0	0
## 1537.1	0	0	40	17	0	0	0
## 1539	0	0	40	17	0	0	0
## 1545	0	0	40	13	0	0	0
## 1545.1	0	0	40	13	0	0	0
## 1546	0	0	40	13	0	0	0
## 1548	0	0	40	17	0	0	0
## 1552	0	0	40	17	0	0	0
## 1552.1	0	0	40	17	0	0	0
## 1557	0	0	40	17	0	0	0
## 1571	20	0	40	17	0	0	0
## 1580	0	0	40	1	0	0	0
## 1570	20	0	20	17	0	0	0
## 1584	0	0	40	1	0	0	0
## 1584.1	0	0	40	1	0	0	0
## 1606	0	0	40	1	0	0	0
## 1609	20	0	40	17	0	0	0
## 1612	0	0	130	14	0	0	0
## 1624	0	0	40	1	0	0	0
## 1629	0	0	40	1	0	0	0
## 1631	0	0	40	1	0	0	0
## 1642	30	70	40	17	0	0	0
## 1663	0	0	40	17	0	0	0
## 1702	0	0	30	16	0	0	0
## 1700	0	0	20	14	0	0	0
## 1719	20	0	20	17	0	0	0
## 1719.1	20	0	20	17	0	0	0
## 1720	20	0	20	17	0	0	0
## 1731	0	0	130	17	0	50	0
## 1742	0	0	40	17	0	0	0
## 1698	20	0	20	17	0	0	0
## 1749	0	0	14	17	0	100	0
## 1741	0	0	130	17	0	100	0
## 1768	0	0	30	17	0	0	0
## 1807	0	0	130	12	0	20	0
## 1771	0	0	20	17	0	20	0
## 1814	0	0	40	17	0	0	0
## 1830	0	0	40	17	0	0	0
## 1848	0	0	30	17	0	0	0
## 1853	0	0	40	17	0	0	0
## 1863	0	0	40	1	0	0	0
## 1862	0	0	20	17	0	0	0
## 1862.1	0	0	20	17	0	0	0
## 1867	0	0	20	17	0	0	0
## 1865	0	0	20	17	0	0	0
## 1862.2	0	0	20	17	0	0	0
## 1867.1	0	0	20	17	0	0	0
## 1868	0	0	20	17	0	0	0
## 1862.3	0	0	20	17	0	0	0
## 1867.2	0	0	20	17	0	0	0
## 1868.1	0	0	20	17	0	0	0

## 1872	0	0	20	17	0	0	0
## 1879	0	0	40	1	0	0	0
## 1911	0	0	20	17	0	0	0
## 1952	0	0	20	17	0	20	0
## 1954	0	0	14	16	0	20	0
## 1973	0	0	20	14	0	0	0
## 1989	0	0	40	13	0	0	0
## 1994	0	0	20	18	0	0	0
## 1996	0	0	20	18	0	0	0
## 1998	0	0	30	17	0	0	0
## 1998.1	0	0	30	17	0	0	0
## 1999	0	0	30	17	0	0	0
## 2001	0	0	110	18	0	0	0
## 2021	0	0	140	14	0	0	0
## 2015	0	0	110	14	0	0	0
## 2029	0	0	40	13	0	0	0
## 2034	0	0	40	1	0	0	0
## 2039	0	0	40	1	0	0	0
## 2045	0	0	40	17	0	0	0
## 2064	0	0	20	17	0	0	0
## 2062	0	0	40	16	0	0	0
## 2069	0	0	40	17	0	0	0
## 2064.1	0	0	20	17	0	0	0
## 2070	0	0	20	17	0	0	0
## 2101	0	30	130	12	0	20	0
## 2110	0	30	130	13	0	20	0
## 2113	0	30	40	13	0	20	0
## 2131	20	0	20	17	0	0	0
## 2131.1	20	0	20	17	0	0	0
## 2132	20	0	20	17	0	0	0
## 2135	0	0	14	16	0	0	0
## 2145	0	30	14	16	0	20	0
## 2153	0	30	14	17	0	20	0
## 2162	0	0	30	12	0	0	0
## 2162.1	0	0	30	12	0	0	0
## 2163	0	0	30	12	0	0	0
## 2168	0	0	30	18	0	0	0
## 2168.1	0	0	30	18	0	0	0
## 2169	0	0	30	18	0	0	0
## 2179	0	0	20	18	0	0	0
## 2178	0	0	20	18	0	0	0
## 2182	0	0	30	12	0	0	0
## 2162.2	0	0	30	12	0	0	0
## 2163.1	0	0	30	12	0	0	0
## 2164	0	0	30	12	0	0	0
## 2187	0	0	40	14	0	0	0
## 2162.3	0	0	30	12	0	0	0
## 2163.2	0	0	30	12	0	0	0
## 2164.1	0	0	30	12	0	0	0
## 2184	0	0	30	12	0	0	0
## 2174	0	0	140	18	0	0	0
## 2179.1	0	0	20	18	0	0	0
## 2180	0	0	20	18	0	0	0
## 2212	0	0	30	14	0	0	0

## 2229	0	0	140	18	0	0	0
## 2229.1	0	0	140	18	0	0	0
## 2230	0	0	140	18	0	0	0
## 2237	0	0	140	13	0	0	0
## 2247	0	0	14	16	0	0	0
## 2252	0	0	14	17	0	0	0
## 2275	0	0	20	17	0	0	0
## 2282	0	0	40	17	0	0	0
## 2273	0	0	40	17	0	0	0
## 2273.1	0	0	40	17	0	0	0
## 2285	0	0	40	17	0	0	0
## 2287	0	0	20	17	0	0	0
## 2292	0	0	40	17	0	0	0
## 2297	0	0	40	1	0	0	0
## 2300	0	0	40	1	0	0	0
## 2302	0	0	40	17	0	0	0
## 2308	0	0	40	17	0	0	0
## 2308.1	0	0	40	17	0	0	0
## 2309	0	0	40	17	0	0	0
## 2323	0	0	40	17	0	0	0
## 2339	30	70	40	1	0	0	0
## 2357	0	30	40	18	0	20	0
## 2360	0	30	20	16	0	20	0
## 2349	0	30	40	18	0	20	0
## 2367	20	0	14	16	0	40	0
## 2366	0	30	20	13	0	20	0
## 2380	0	30	20	17	0	20	0
## 2418	20	0	20	17	0	40	0
## 2433	20	0	20	17	0	40	0
## 2442	20	0	130	16	0	40	0
## 2450	0	0	20	17	0	50	0
## 2463	0	0	30	18	0	0	0
## 2480	0	0	110	14	0	0	0
## 2493	0	0	140	14	0	0	0
## 2504	0	0	140	13	0	0	0
## 2508	0	0	140	13	0	0	0
## 2512	0	0	20	14	0	0	0
## 2525	0	0	20	15	0	0	0
## 2533	0	0	40	17	0	0	0
## 2541	0	0	40	17	0	0	0
## 2548	0	0	40	17	0	0	0
## 2556	0	0	40	17	0	0	0
## 2568	0	0	40	18	0	0	0
## 2574	0	0	40	1	0	0	0
## 2573	0	0	160	17	0	0	0
## 2574.1	0	0	40	1	0	0	0
## 2575	0	0	40	1	0	0	0
## 2585	0	0	20	17	0	0	0
## 2574.2	0	0	40	1	0	0	0
## 2575.1	0	0	40	1	0	0	0
## 2579	0	0	40	1	0	0	0
## 2574.3	0	0	40	1	0	0	0
## 2575.2	0	0	40	1	0	0	0
## 2579.1	0	0	40	1	0	0	0

## 2591	0	0	40	1	0	0	0
## 2574.4	0	0	40	1	0	0	0
##	gphhws3a	gplhws3a	grghws3a	gumhws3a	gvrhws3a	inmsre3a	inssre3a
## 3	0	0	0	0	0	34	20.73390
## 3.1	0	0	0	0	0	34	20.73390
## 4	0	0	0	0	0	34	20.73390
## 2	0	0	0	0	0	33	20.78343
## 11	0	0	0	0	0	33	20.73904
## 11.1	0	0	0	0	0	33	20.73904
## 12	0	0	0	0	0	33	20.73904
## 11.2	0	0	0	0	0	33	20.73904
## 12.1	0	0	0	0	0	33	20.73904
## 13	0	0	0	0	0	33	20.73904
## 11.3	0	0	0	0	0	33	20.73904
## 12.2	0	0	0	0	0	33	20.73904
## 13.1	0	0	0	0	0	33	20.73904
## 14	0	0	0	0	0	33	20.73904
## 11.4	0	0	0	0	0	33	20.73904
## 12.3	0	0	0	0	0	33	20.73904
## 13.2	0	0	0	0	0	33	20.73904
## 14.1	0	0	0	0	0	33	20.73904
## 15	0	0	0	0	0	33	20.73904
## 17	0	0	0	0	0	33	20.78343
## 11.5	0	0	0	0	0	33	20.73904
## 12.4	0	0	0	0	0	33	20.73904
## 13.3	0	0	0	0	0	33	20.73904
## 14.2	0	0	0	0	0	33	20.73904
## 15.1	0	0	0	0	0	33	20.73904
## 16	0	0	0	0	0	33	20.73904
## 17.1	0	0	0	0	0	33	20.78343
## 18	0	0	0	0	0	33	20.78343
## 17.2	0	0	0	0	0	33	20.78343
## 18.1	0	0	0	0	0	33	20.78343
## 21	0	0	0	0	0	33	20.78343
## 17.3	0	0	0	0	0	33	20.78343
## 18.2	0	0	0	0	0	33	20.78343
## 21.1	0	0	0	0	0	33	20.78343
## 22	0	0	0	0	0	33	20.78343
## 17.4	0	0	0	0	0	33	20.78343
## 18.3	0	0	0	0	0	33	20.78343
## 21.2	0	0	0	0	0	33	20.78343
## 22.1	0	0	0	0	0	33	20.78343
## 23	0	0	0	0	0	33	20.78343
## 17.5	0	0	0	0	0	33	20.78343
## 18.4	0	0	0	0	0	33	20.78343
## 21.3	0	0	0	0	0	33	20.78343
## 22.2	0	0	0	0	0	33	20.78343
## 23.1	0	0	0	0	0	33	20.78343
## 24	0	0	0	0	0	33	20.78343
## 17.6	0	0	0	0	0	33	20.78343
## 18.5	0	0	0	0	0	33	20.78343
## 21.4	0	0	0	0	0	33	20.78343
## 22.3	0	0	0	0	0	33	20.78343
## 23.2	0	0	0	0	0	33	20.78343



## 24.1	0	0	0	0	0	33 20.78343
## 25	0	0	0	0	0	33 20.78343
## 17.7	0	0	0	0	0	33 20.78343
## 18.6	0	0	0	0	0	33 20.78343
## 21.5	0	0	0	0	0	33 20.78343
## 22.4	0	0	0	0	0	33 20.78343
## 23.3	0	0	0	0	0	33 20.78343
## 24.2	0	0	0	0	0	33 20.78343
## 25.1	0	0	0	0	0	33 20.78343
## 26	0	0	0	0	0	33 20.78343
## 17.8	0	0	0	0	0	33 20.78343
## 18.7	0	0	0	0	0	33 20.78343
## 21.6	0	0	0	0	0	33 20.78343
## 22.5	0	0	0	0	0	33 20.78343
## 23.4	0	0	0	0	0	33 20.78343
## 24.3	0	0	0	0	0	33 20.78343
## 25.2	0	0	0	0	0	33 20.78343
## 26.1	0	0	0	0	0	33 20.78343
## 27	0	0	0	0	0	33 20.78343
## 17.9	0	0	0	0	0	33 20.78343
## 18.8	0	0	0	0	0	33 20.78343
## 21.7	0	0	0	0	0	33 20.78343
## 22.6	0	0	0	0	0	33 20.78343
## 23.5	0	0	0	0	0	33 20.78343
## 24.4	0	0	0	0	0	33 20.78343
## 25.3	0	0	0	0	0	33 20.78343
## 26.2	0	0	0	0	0	33 20.78343
## 27.1	0	0	0	0	0	33 20.78343
## 28	0	0	0	0	0	33 20.78343
## 17.10	0	0	0	0	0	33 20.78343
## 18.9	0	0	0	0	0	33 20.78343
## 21.8	0	0	0	0	0	33 20.78343
## 22.7	0	0	0	0	0	33 20.78343
## 23.6	0	0	0	0	0	33 20.78343
## 24.5	0	0	0	0	0	33 20.78343
## 25.4	0	0	0	0	0	33 20.78343
## 26.3	0	0	0	0	0	33 20.78343
## 27.2	0	0	0	0	0	33 20.78343
## 28.1	0	0	0	0	0	33 20.78343
## 29	0	0	0	0	0	33 20.78343
## 17.11	0	0	0	0	0	33 20.78343
## 18.10	0	0	0	0	0	33 20.78343
## 21.9	0	0	0	0	0	33 20.78343
## 22.8	0	0	0	0	0	33 20.78343
## 23.7	0	0	0	0	0	33 20.78343
## 24.6	0	0	0	0	0	33 20.78343
## 25.5	0	0	0	0	0	33 20.78343
## 26.4	0	0	0	0	0	33 20.78343
## 27.3	0	0	0	0	0	33 20.78343
## 28.2	0	0	0	0	0	33 20.78343
## 29.1	0	0	0	0	0	33 20.78343
## 30	0	0	0	0	0	33 20.78343
## 17.12	0	0	0	0	0	33 20.78343
## 18.11	0	0	0	0	0	33 20.78343

## 21.10	0	0	0	0	0	33 20.78343
## 22.9	0	0	0	0	0	33 20.78343
## 23.8	0	0	0	0	0	33 20.78343
## 24.7	0	0	0	0	0	33 20.78343
## 25.6	0	0	0	0	0	33 20.78343
## 26.5	0	0	0	0	0	33 20.78343
## 27.4	0	0	0	0	0	33 20.78343
## 28.3	0	0	0	0	0	33 20.78343
## 29.2	0	0	0	0	0	33 20.78343
## 30.1	0	0	0	0	0	33 20.78343
## 31	0	0	0	0	0	33 20.78343
## 17.13	0	0	0	0	0	33 20.78343
## 18.12	0	0	0	0	0	33 20.78343
## 21.11	0	0	0	0	0	33 20.78343
## 22.10	0	0	0	0	0	33 20.78343
## 23.9	0	0	0	0	0	33 20.78343
## 24.8	0	0	0	0	0	33 20.78343
## 25.7	0	0	0	0	0	33 20.78343
## 26.6	0	0	0	0	0	33 20.78343
## 27.5	0	0	0	0	0	33 20.78343
## 28.4	0	0	0	0	0	33 20.78343
## 29.3	0	0	0	0	0	33 20.78343
## 30.2	0	0	0	0	0	33 20.78343
## 31.1	0	0	0	0	0	33 20.78343
## 32	0	0	0	0	0	33 20.78343
## 17.14	0	0	0	0	0	33 20.78343
## 18.13	0	0	0	0	0	33 20.78343
## 21.12	0	0	0	0	0	33 20.78343
## 22.11	0	0	0	0	0	33 20.78343
## 23.10	0	0	0	0	0	33 20.78343
## 24.9	0	0	0	0	0	33 20.78343
## 25.8	0	0	0	0	0	33 20.78343
## 26.7	0	0	0	0	0	33 20.78343
## 27.6	0	0	0	0	0	33 20.78343
## 28.5	0	0	0	0	0	33 20.78343
## 29.4	0	0	0	0	0	33 20.78343
## 30.3	0	0	0	0	0	33 20.78343
## 31.2	0	0	0	0	0	33 20.78343
## 32.1	0	0	0	0	0	33 20.78343
## 33	0	0	0	0	0	33 20.78343
## 17.15	0	0	0	0	0	33 20.78343
## 18.14	0	0	0	0	0	33 20.78343
## 21.13	0	0	0	0	0	33 20.78343
## 22.12	0	0	0	0	0	33 20.78343
## 23.11	0	0	0	0	0	33 20.78343
## 24.10	0	0	0	0	0	33 20.78343
## 25.9	0	0	0	0	0	33 20.78343
## 26.8	0	0	0	0	0	33 20.78343
## 27.7	0	0	0	0	0	33 20.78343
## 28.6	0	0	0	0	0	33 20.78343
## 29.5	0	0	0	0	0	33 20.78343
## 30.4	0	0	0	0	0	33 20.78343
## 31.3	0	0	0	0	0	33 20.78343
## 32.2	0	0	0	0	0	33 20.78343

## 33.1	0	0	0	0	0	33 20.78343
## 34	0	0	0	0	0	33 20.78343
## 17.16	0	0	0	0	0	33 20.78343
## 18.15	0	0	0	0	0	33 20.78343
## 21.14	0	0	0	0	0	33 20.78343
## 22.13	0	0	0	0	0	33 20.78343
## 23.12	0	0	0	0	0	33 20.78343
## 24.11	0	0	0	0	0	33 20.78343
## 25.10	0	0	0	0	0	33 20.78343
## 26.9	0	0	0	0	0	33 20.78343
## 27.8	0	0	0	0	0	33 20.78343
## 28.7	0	0	0	0	0	33 20.78343
## 29.6	0	0	0	0	0	33 20.78343
## 30.5	0	0	0	0	0	33 20.78343
## 31.4	0	0	0	0	0	33 20.78343
## 32.3	0	0	0	0	0	33 20.78343
## 33.2	0	0	0	0	0	33 20.78343
## 34.1	0	0	0	0	0	33 20.78343
## 35	0	0	0	0	0	33 20.78343
## 17.17	0	0	0	0	0	33 20.78343
## 18.16	0	0	0	0	0	33 20.78343
## 21.15	0	0	0	0	0	33 20.78343
## 22.14	0	0	0	0	0	33 20.78343
## 23.13	0	0	0	0	0	33 20.78343
## 24.12	0	0	0	0	0	33 20.78343
## 25.11	0	0	0	0	0	33 20.78343
## 26.10	0	0	0	0	0	33 20.78343
## 27.9	0	0	0	0	0	33 20.78343
## 28.8	0	0	0	0	0	33 20.78343
## 29.7	0	0	0	0	0	33 20.78343
## 30.6	0	0	0	0	0	33 20.78343
## 31.5	0	0	0	0	0	33 20.78343
## 32.4	0	0	0	0	0	33 20.78343
## 33.3	0	0	0	0	0	33 20.78343
## 34.2	0	0	0	0	0	33 20.78343
## 35.1	0	0	0	0	0	33 20.78343
## 36	0	0	0	0	0	33 20.78343
## 17.18	0	0	0	0	0	33 20.78343
## 18.17	0	0	0	0	0	33 20.78343
## 21.16	0	0	0	0	0	33 20.78343
## 22.15	0	0	0	0	0	33 20.78343
## 23.14	0	0	0	0	0	33 20.78343
## 24.13	0	0	0	0	0	33 20.78343
## 25.12	0	0	0	0	0	33 20.78343
## 26.11	0	0	0	0	0	33 20.78343
## 27.10	0	0	0	0	0	33 20.78343
## 28.9	0	0	0	0	0	33 20.78343
## 29.8	0	0	0	0	0	33 20.78343
## 30.7	0	0	0	0	0	33 20.78343
## 31.6	0	0	0	0	0	33 20.78343
## 32.5	0	0	0	0	0	33 20.78343
## 33.4	0	0	0	0	0	33 20.78343
## 34.3	0	0	0	0	0	33 20.78343
## 35.2	0	0	0	0	0	33 20.78343

## 36.1	0	0	0	0	0	33 20.78343
## 37	0	0	0	0	0	33 20.78343
## 17.19	0	0	0	0	0	33 20.78343
## 18.18	0	0	0	0	0	33 20.78343
## 21.17	0	0	0	0	0	33 20.78343
## 22.16	0	0	0	0	0	33 20.78343
## 23.15	0	0	0	0	0	33 20.78343
## 24.14	0	0	0	0	0	33 20.78343
## 25.13	0	0	0	0	0	33 20.78343
## 26.12	0	0	0	0	0	33 20.78343
## 27.11	0	0	0	0	0	33 20.78343
## 28.10	0	0	0	0	0	33 20.78343
## 29.9	0	0	0	0	0	33 20.78343
## 30.8	0	0	0	0	0	33 20.78343
## 31.7	0	0	0	0	0	33 20.78343
## 32.6	0	0	0	0	0	33 20.78343
## 33.5	0	0	0	0	0	33 20.78343
## 34.4	0	0	0	0	0	33 20.78343
## 35.3	0	0	0	0	0	33 20.78343
## 36.2	0	0	0	0	0	33 20.78343
## 37.1	0	0	0	0	0	33 20.78343
## 38	0	0	0	0	0	33 20.78343
## 17.20	0	0	0	0	0	33 20.78343
## 18.19	0	0	0	0	0	33 20.78343
## 21.18	0	0	0	0	0	33 20.78343
## 22.17	0	0	0	0	0	33 20.78343
## 23.16	0	0	0	0	0	33 20.78343
## 24.15	0	0	0	0	0	33 20.78343
## 25.14	0	0	0	0	0	33 20.78343
## 26.13	0	0	0	0	0	33 20.78343
## 27.12	0	0	0	0	0	33 20.78343
## 28.11	0	0	0	0	0	33 20.78343
## 29.10	0	0	0	0	0	33 20.78343
## 30.9	0	0	0	0	0	33 20.78343
## 31.8	0	0	0	0	0	33 20.78343
## 32.7	0	0	0	0	0	33 20.78343
## 33.6	0	0	0	0	0	33 20.78343
## 34.5	0	0	0	0	0	33 20.78343
## 35.4	0	0	0	0	0	33 20.78343
## 36.3	0	0	0	0	0	33 20.78343
## 37.2	0	0	0	0	0	33 20.78343
## 38.1	0	0	0	0	0	33 20.78343
## 39	0	0	0	0	0	33 20.78343
## 17.21	0	0	0	0	0	33 20.78343
## 18.20	0	0	0	0	0	33 20.78343
## 21.19	0	0	0	0	0	33 20.78343
## 22.18	0	0	0	0	0	33 20.78343
## 23.17	0	0	0	0	0	33 20.78343
## 24.16	0	0	0	0	0	33 20.78343
## 25.15	0	0	0	0	0	33 20.78343
## 26.14	0	0	0	0	0	33 20.78343
## 27.13	0	0	0	0	0	33 20.78343
## 28.12	0	0	0	0	0	33 20.78343
## 29.11	0	0	0	0	0	33 20.78343

## 30.10	0	0	0	0	0	33 20.78343
## 31.9	0	0	0	0	0	33 20.78343
## 32.8	0	0	0	0	0	33 20.78343
## 33.7	0	0	0	0	0	33 20.78343
## 34.6	0	0	0	0	0	33 20.78343
## 35.5	0	0	0	0	0	33 20.78343
## 36.4	0	0	0	0	0	33 20.78343
## 37.3	0	0	0	0	0	33 20.78343
## 38.2	0	0	0	0	0	33 20.78343
## 39.1	0	0	0	0	0	33 20.78343
## 41	0	0	0	0	0	33 20.78343
## 10	0	0	0	0	0	33 20.69725
## 50	0	0	0	0	0	33 20.94777
## 51	0	0	0	0	0	33 20.99442
## 58	0	0	0	0	0	34 20.68775
## 44	0	0	0	0	0	34 20.64686
## 49	0	0	0	0	0	33 20.72341
## 9	0	0	0	0	0	34 20.64686
## 58.1	0	0	0	0	0	34 20.68775
## 59	0	0	0	0	0	34 20.68775
## 74	0	0	0	0	0	34 20.64733
## 76	0	0	0	0	0	34 20.64686
## 88	0	0	0	0	0	32 20.93329
## 83	0	0	0	0	0	33 20.85552
## 89	0	0	0	0	0	34 20.61901
## 79	0	0	0	0	0	34 20.63551
## 76.1	0	0	0	0	0	34 20.64686
## 77	0	0	0	0	0	34 20.64686
## 73	0	0	0	0	0	34 20.70670
## 72	0	0	0	0	0	34 20.74036
## 71	0	0	0	0	0	33 20.70040
## 96	0	0	0	0	0	33 20.74101
## 74.1	0	0	0	0	0	34 20.64733
## 75	0	0	0	0	0	34 20.64733
## 104	0	0	0	0	0	34 20.67318
## 119	0	0	0	0	0	33 20.68053
## 129	0	0	0	40	0	54 24.29354
## 128	0	0	0	0	0	41 24.90626
## 122	0	0	0	0	0	43 24.64302
## 142	0	0	0	0	0	32 21.05911
## 150	0	0	0	0	0	34 20.85221
## 121	0	0	0	0	0	34 20.64686
## 167	0	0	0	0	0	34 20.62566
## 121.1	0	0	0	0	0	34 20.64686
## 154	0	0	0	0	0	34 20.64686
## 142.1	0	0	0	0	0	32 21.05911
## 146	0	0	0	0	0	32 21.05911
## 119.1	0	0	0	0	0	33 20.68053
## 120	0	0	0	0	0	33 20.68053
## 177	0	0	0	0	0	33 20.79888
## 174	0	0	0	0	0	32 20.86210
## 175	30	0	0	0	0	34 20.84542
## 176	0	0	0	0	0	33 20.83643
## 135	0	0	0	0	0	34 21.63091

## 169	0	0	0	0	0	33 20.93771
## 196	30	0	0	0	0	33 20.96542
## 196.1	30	0	0	0	0	33 20.96542
## 197	30	0	0	0	0	33 20.96542
## 196.2	30	0	0	0	0	33 20.96542
## 197.1	30	0	0	0	0	33 20.96542
## 198	30	0	0	0	0	33 20.96542
## 196.3	30	0	0	0	0	33 20.96542
## 197.2	30	0	0	0	0	33 20.96542
## 198.1	30	0	0	0	0	33 20.96542
## 199	30	0	0	0	0	33 20.96542
## 196.4	30	0	0	0	0	33 20.96542
## 197.3	30	0	0	0	0	33 20.96542
## 198.2	30	0	0	0	0	33 20.96542
## 199.1	30	0	0	0	0	33 20.96542
## 200	30	0	0	0	0	33 20.96542
## 195	30	0	0	0	0	33 20.93415
## 206	0	0	0	60	0	36 26.46374
## 208	0	0	0	0	0	41 25.91345
## 213	0	0	0	60	0	38 25.39052
## 213.1	0	0	0	60	0	38 25.39052
## 214	0	0	0	60	0	38 25.39052
## 213.2	0	0	0	60	0	38 25.39052
## 214.1	0	0	0	60	0	38 25.39052
## 215	0	0	0	60	0	38 25.39052
## 217	0	0	0	60	0	38 26.11256
## 217.1	0	0	0	60	0	38 26.11256
## 218	0	0	0	60	0	38 26.11256
## 231	0	0	0	40	0	44 25.00714
## 242	0	0	0	0	0	43 26.01175
## 250	0	0	0	0	0	43 24.92197
## 223	0	0	0	40	0	45 25.22046
## 238	30	0	0	0	0	34 20.63836
## 246	0	0	0	40	0	40 25.10802
## 246.1	0	0	0	40	0	40 25.10802
## 260	0	0	0	40	0	40 25.10802
## 282	0	0	0	0	0	42 25.38341
## 284	0	0	0	0	0	34 20.63519
## 196.5	30	0	0	0	0	33 20.96542
## 197.4	30	0	0	0	0	33 20.96542
## 198.3	30	0	0	0	0	33 20.96542
## 199.2	30	0	0	0	0	33 20.96542
## 200.1	30	0	0	0	0	33 20.96542
## 201	30	0	0	0	0	33 20.96542
## 195.1	30	0	0	0	0	33 20.93415
## 202	30	0	0	0	0	33 20.93415
## 238.1	30	0	0	0	0	34 20.63836
## 254	30	0	0	0	0	34 20.63836
## 296	30	0	0	0	0	34 20.54445
## 237	30	0	0	0	0	34 20.69402
## 296.1	30	0	0	0	0	34 20.54445
## 297	30	0	0	0	0	34 20.54445
## 275	0	0	0	40	0	48 24.70629
## 296.2	30	0	0	0	0	34 20.54445

## 297.1	30	0	0	0	0	34 20.54445
## 299	30	0	0	0	0	34 20.54445
## 237.1	30	0	0	0	0	34 20.69402
## 298	30	0	0	0	0	34 20.69402
## 292	30	0	0	0	0	34 20.58668
## 195.2	30	0	0	0	0	33 20.93415
## 202.1	30	0	0	0	0	33 20.93415
## 293	30	0	0	0	0	33 20.93415
## 317	0	0	0	0	0	33 20.85552
## 316	0	0	0	0	0	33 20.63528
## 322	0	0	0	40	0	36 22.13634
## 324	0	0	0	60	0	41 21.72814
## 329	50	0	20	0	0	45 21.80166
## 337	50	0	20	0	0	42 24.31897
## 355	50	0	20	0	0	41 24.31702
## 322.1	0	0	0	40	0	36 22.13634
## 323	0	0	0	40	0	36 22.13634
## 320	0	0	0	0	0	35 20.63579
## 317.1	0	0	0	0	0	33 20.85552
## 318	0	0	0	0	0	33 20.85552
## 319	30	0	0	0	0	33 21.00204
## 317.2	0	0	0	0	0	33 20.85552
## 318.1	0	0	0	0	0	33 20.85552
## 375	0	0	0	0	0	33 20.85552
## 393	30	0	70	0	0	42 21.09665
## 316.1	0	0	0	0	0	33 20.63528
## 321	0	0	0	0	0	33 20.63528
## 381	0	0	0	0	0	34 20.79967
## 399	0	0	0	0	0	34 20.63836
## 399.1	0	0	0	0	0	34 20.63836
## 400	0	0	0	0	0	34 20.63836
## 402	0	0	0	60	0	40 23.78229
## 408	30	0	70	0	0	37 22.87924
## 408.1	30	0	70	0	0	37 22.87924
## 409	30	0	70	0	0	37 22.87924
## 417	30	0	70	0	0	35 23.26413
## 411	30	0	70	0	0	35 23.64098
## 408.2	30	0	70	0	0	37 22.87924
## 409.1	30	0	70	0	0	37 22.87924
## 410	30	0	70	0	0	37 22.87924
## 431	30	0	70	0	0	33 24.79882
## 435	30	0	70	0	0	37 23.63474
## 433	30	0	70	0	0	33 24.24876
## 427	50	0	20	0	0	38 25.08037
## 447	0	0	0	60	0	39 22.45428
## 449	0	0	0	60	0	43 20.32766
## 465	30	0	70	0	0	41 23.01027
## 470	0	0	0	60	0	46 22.96825
## 460	30	0	70	0	0	37 22.01168
## 479	30	0	70	0	0	37 22.57418
## 402.1	0	0	0	60	0	40 23.78229
## 403	0	0	0	60	0	40 23.78229
## 502	50	0	20	0	0	36 24.46135
## 502.1	50	0	20	0	0	36 24.46135

## 503	50	0	20	0	0	36 24.46135
## 497	0	0	0	0	0	34 20.71342
## 514	30	0	70	0	0	37 23.06989
## 507	0	0	0	0	0	35 20.40800
## 399.2	0	0	0	0	0	34 20.63836
## 400.1	0	0	0	0	0	34 20.63836
## 401	0	0	0	0	0	34 20.63836
## 497.1	0	0	0	0	0	34 20.71342
## 508	0	0	0	0	0	34 20.71342
## 495	0	0	0	0	0	37 20.12123
## 572	0	0	0	20	0	36 21.12150
## 574	0	0	0	20	0	35 21.73953
## 574.1	0	0	0	20	0	35 21.73953
## 575	0	0	0	20	0	35 21.73953
## 579	0	0	0	20	0	33 21.22803
## 579.1	0	0	0	20	0	33 21.22803
## 582	0	0	0	20	0	33 21.22803
## 586	0	0	0	20	0	37 21.09539
## 572.1	0	0	0	20	0	36 21.12150
## 573	0	0	0	20	0	36 21.12150
## 599	0	0	0	0	0	34 20.86368
## 612	50	0	20	0	0	42 24.02444
## 617	0	0	0	0	0	34 20.97254
## 616	50	0	20	0	0	37 21.41371
## 641	50	0	20	0	0	37 24.69746
## 662	50	0	20	0	0	39 21.32333
## 668	0	0	0	0	0	39 20.76236
## 678	0	0	0	0	0	34 21.12919
## 677	30	0	0	0	0	34 20.73390
## 647	30	0	0	0	0	34 20.73390
## 700	0	0	0	0	0	33 20.73904
## 704	0	0	0	0	0	36 21.36859
## 709	0	0	0	0	0	34 21.09423
## 732	0	0	0	0	0	35 21.05633
## 806	0	0	0	0	0	34 21.40099
## 700.1	0	0	0	0	0	33 20.73904
## 701	0	0	0	0	0	33 20.73904
## 851	0	0	0	0	0	37 26.69194
## 859	0	0	0	0	0	34 20.74921
## 887	0	0	0	0	0	38 20.55101
## 894	0	0	0	0	0	34 22.13010
## 896	0	0	0	0	0	30 22.00336
## 899	0	0	0	0	0	35 21.03827
## 901	0	0	0	0	0	35 21.05633
## 910	0	0	0	0	0	37 20.74004
## 894.1	0	0	0	0	0	34 22.13010
## 900	0	0	0	0	0	34 22.13010
## 917	0	0	0	0	0	34 21.05318
## 926	0	0	0	0	0	35 20.98056
## 892	0	0	0	0	0	34 21.11626
## 945	0	0	0	0	0	35 21.19084
## 937	0	0	0	0	0	34 21.32161
## 908	0	0	0	0	0	35 21.09897
## 958	0	0	0	0	0	34 21.06266



## 971	0	0	0	0	0	34 20.93012
## 985	0	0	0	0	0	35 23.09196
## 1019	0	0	20	0	0	38 25.56404
## 1039	0	0	0	0	0	40 21.96041
## 1017	0	0	20	0	0	46 23.44241
## 1097	0	0	0	0	0	34 21.36594
## 1135	0	0	0	0	0	35 21.49266
## 1135.1	0	0	0	0	0	35 21.49266
## 1136	0	0	0	0	0	35 21.49266
## 1139	0	0	0	0	0	39 22.83904
## 1139.1	0	0	0	0	0	39 22.83904
## 1140	0	0	0	0	0	39 22.83904
## 1145	0	0	0	0	0	36 21.18267
## 1143	0	0	0	0	0	34 21.55842
## 1145.1	0	0	0	0	0	36 21.18267
## 1146	0	0	0	0	0	36 21.18267
## 1138	0	0	0	0	0	37 20.94281
## 1167	0	0	0	0	0	41 20.80479
## 1173	0	0	0	0	0	34 22.32905
## 1175	0	0	0	0	0	35 21.16959
## 1178	0	0	0	0	0	35 21.28008
## 1217	0	0	0	0	0	31 21.08235
## 1211	0	0	0	0	0	35 20.75395
## 1131	0	0	20	0	0	42 23.65786
## 1250	0	0	0	0	0	33 20.78702
## 1253	0	0	0	0	0	33 20.78870
## 1268	0	0	20	0	0	39 23.63642
## 1248	30	0	0	0	0	34 20.83377
## 1249	0	0	0	0	0	34 20.91435
## 1216	0	0	0	0	0	33 20.98159
## 1216.1	0	0	0	0	0	33 20.98159
## 1280	0	0	0	0	0	33 20.98159
## 1266	0	0	20	0	0	40 24.34258
## 1293	0	0	0	0	0	38 21.53355
## 1295	0	0	0	0	0	36 23.21698
## 1295.1	0	0	0	0	0	36 23.21698
## 1296	0	0	0	0	0	36 23.21698
## 1305	0	0	0	0	0	35 22.11522
## 1308	0	0	0	0	0	37 23.47589
## 1308.1	0	0	0	0	0	37 23.47589
## 1309	0	0	0	0	0	37 23.47589
## 1311	0	0	0	0	0	36 23.53777
## 1315	0	0	0	0	0	43 21.54317
## 1315.1	0	0	0	0	0	43 21.54317
## 1316	0	0	0	0	0	43 21.54317
## 1318	0	0	0	0	0	35 21.84816
## 1320	0	0	0	0	0	35 21.77051
## 1315.2	0	0	0	0	0	43 21.54317
## 1316.1	0	0	0	0	0	43 21.54317
## 1317	0	0	0	0	0	43 21.54317
## 1327	0	0	0	0	0	39 22.26601
## 1341	0	0	0	0	0	35 21.74297
## 1345	0	0	0	0	0	36 21.52355
## 1350	0	0	0	0	0	31 22.19910

## 1408	50	0	20	0	0	42 23.42580
## 1438	0	0	0	0	0	32 20.99551
## 1443	0	0	0	0	0	33 20.89976
## 1443.1	0	0	0	0	0	33 20.89976
## 1444	0	0	0	0	0	33 20.89976
## 1290	0	0	0	0	0	34 20.94841
## 1465	0	0	0	0	0	35 20.71082
## 1474	50	0	20	0	0	41 23.29518
## 1474.1	50	0	20	0	0	41 23.29518
## 1475	50	0	20	0	0	41 23.29518
## 1485	50	0	20	0	0	41 26.03502
## 1503	0	0	0	0	0	34 20.92530
## 1506	30	0	0	0	0	34 20.90893
## 1509	50	0	20	0	0	45 24.22844
## 1533	0	0	0	0	0	35 21.64734
## 1533.1	0	0	0	0	0	35 21.64734
## 1534	0	0	0	0	0	35 21.64734
## 1533.2	0	0	0	0	0	35 21.64734
## 1534.1	0	0	0	0	0	35 21.64734
## 1537	0	0	0	0	0	35 21.64734
## 1533.3	0	0	0	0	0	35 21.64734
## 1534.2	0	0	0	0	0	35 21.64734
## 1537.1	0	0	0	0	0	35 21.64734
## 1539	0	0	0	0	0	35 21.64734
## 1545	0	0	0	0	0	33 21.87337
## 1545.1	0	0	0	0	0	33 21.87337
## 1546	0	0	0	0	0	33 21.87337
## 1548	0	0	0	0	0	33 21.87337
## 1552	0	0	0	0	0	35 22.54331
## 1552.1	0	0	0	0	0	35 22.54331
## 1557	0	0	0	0	0	35 22.54331
## 1571	0	0	0	0	0	34 21.01679
## 1580	0	0	0	60	0	34 24.63883
## 1570	0	0	0	0	0	34 21.01822
## 1584	0	0	0	60	0	46 21.86979
## 1584.1	0	0	0	60	0	46 21.86979
## 1606	0	0	0	60	0	46 21.86979
## 1609	0	0	0	0	0	34 21.10721
## 1612	0	0	0	0	0	37 23.25067
## 1624	0	0	0	20	0	41 21.84302
## 1629	0	0	0	20	0	36 22.85667
## 1631	0	0	0	20	0	34 23.22427
## 1642	0	0	0	0	0	34 20.95689
## 1663	0	0	0	0	0	34 20.95689
## 1702	50	0	20	0	0	41 24.98347
## 1700	50	0	20	0	0	39 24.62817
## 1719	0	0	0	0	0	34 20.95689
## 1719.1	0	0	0	0	0	34 20.95689
## 1720	0	0	0	0	0	34 20.95689
## 1731	30	0	0	0	0	32 21.32307
## 1742	70	0	0	0	0	32 21.13871
## 1698	0	0	0	0	0	34 20.88370
## 1749	0	0	0	0	0	34 20.77684
## 1741	0	0	0	0	0	34 20.73714

## 1768	50	0	20	0	0	39 24.35838
## 1807	0	0	0	0	0	33 20.97407
## 1771	0	0	0	0	0	34 20.85520
## 1814	0	0	0	0	0	36 21.65437
## 1830	0	0	0	0	0	36 24.03369
## 1848	0	0	0	0	0	37 20.96826
## 1853	0	0	0	20	0	37 23.25726
## 1863	0	0	0	20	0	38 23.17208
## 1862	0	0	0	20	0	39 22.93095
## 1862.1	0	0	0	20	0	39 22.93095
## 1867	0	0	0	20	0	39 22.93095
## 1865	0	0	0	20	0	37 23.22431
## 1862.2	0	0	0	20	0	39 22.93095
## 1867.1	0	0	0	20	0	39 22.93095
## 1868	0	0	0	20	0	39 22.93095
## 1862.3	0	0	0	20	0	39 22.93095
## 1867.2	0	0	0	20	0	39 22.93095
## 1868.1	0	0	0	20	0	39 22.93095
## 1872	0	0	0	20	0	39 22.93095
## 1879	0	0	0	0	0	34 21.40420
## 1911	70	0	0	0	0	34 20.85629
## 1952	0	0	0	0	0	33 20.68053
## 1954	0	0	0	0	0	32 21.06534
## 1973	0	0	0	0	0	46 25.12223
## 1989	0	0	0	0	0	34 21.83484
## 1994	0	0	0	0	0	39 24.31286
## 1996	0	0	0	0	0	39 24.54867
## 1998	0	0	0	0	0	40 25.52578
## 1998.1	0	0	0	0	0	40 25.52578
## 1999	0	0	0	0	0	40 25.52578
## 2001	0	0	0	0	0	38 24.32962
## 2021	0	0	20	0	0	46 24.37534
## 2015	0	0	20	0	0	46 24.24697
## 2029	0	0	0	0	0	39 21.15329
## 2034	0	0	0	0	0	33 21.56505
## 2039	0	0	0	20	0	43 22.29689
## 2045	0	0	0	20	0	41 22.97681
## 2064	0	0	0	0	0	39 21.35249
## 2062	0	0	0	0	0	38 21.80166
## 2069	0	0	0	0	0	36 21.88555
## 2064.1	0	0	0	0	0	39 21.35249
## 2070	0	0	0	0	0	39 21.35249
## 2101	0	0	0	0	0	32 20.98984
## 2110	0	0	0	0	0	34 20.71254
## 2113	0	0	0	0	0	32 20.86277
## 2131	0	0	0	0	0	34 20.76350
## 2131.1	0	0	0	0	0	34 20.76350
## 2132	0	0	0	0	0	34 20.76350
## 2135	0	0	0	0	0	34 21.03617
## 2145	0	0	0	0	0	34 20.60082
## 2153	0	0	0	0	0	34 20.79567
## 2162	0	0	20	0	0	42 24.82216
## 2162.1	0	0	20	0	0	42 24.82216
## 2163	0	0	20	0	0	42 24.82216

## 2168	0	0	20	0	0	42 24.48607
## 2168.1	0	0	20	0	0	42 24.48607
## 2169	0	0	20	0	0	42 24.48607
## 2179	0	0	20	0	0	43 25.05597
## 2178	0	0	20	0	0	40 25.05997
## 2182	0	0	20	0	0	39 25.67011
## 2162.2	0	0	20	0	0	42 24.82216
## 2163.1	0	0	20	0	0	42 24.82216
## 2164	0	0	20	0	0	42 24.82216
## 2187	0	0	20	0	0	40 24.26816
## 2162.3	0	0	20	0	0	42 24.82216
## 2163.2	0	0	20	0	0	42 24.82216
## 2164.1	0	0	20	0	0	42 24.82216
## 2184	0	0	20	0	0	42 24.82216
## 2174	0	0	20	0	0	43 23.57020
## 2179.1	0	0	20	0	0	43 25.05597
## 2180	0	0	20	0	0	43 25.05597
## 2212	0	0	20	0	0	43 24.26361
## 2229	0	0	20	0	0	41 26.26371
## 2229.1	0	0	20	0	0	41 26.26371
## 2230	0	0	20	0	0	41 26.26371
## 2237	0	0	20	0	0	43 24.51522
## 2247	0	0	0	0	0	35 21.16753
## 2252	0	0	0	0	0	36 21.16392
## 2275	0	0	0	0	0	37 21.91185
## 2282	0	0	0	0	0	36 21.52065
## 2273	0	0	0	0	0	36 21.49859
## 2273.1	0	0	0	0	0	36 21.49859
## 2285	0	0	0	0	0	36 21.49859
## 2287	0	0	0	0	0	33 21.82513
## 2292	0	0	0	0	0	36 21.66928
## 2297	0	0	0	0	0	39 21.26195
## 2300	0	0	0	0	0	38 21.47858
## 2302	0	0	0	0	0	35 21.44783
## 2308	0	0	0	0	0	34 21.39847
## 2308.1	0	0	0	0	0	34 21.39847
## 2309	0	0	0	0	0	34 21.39847
## 2323	0	0	0	0	0	34 21.11594
## 2339	0	0	0	0	0	34 21.03683
## 2357	0	0	0	0	0	34 20.94502
## 2360	0	0	0	0	0	33 20.99271
## 2349	0	0	0	0	0	34 20.86490
## 2367	0	0	0	0	0	34 20.80094
## 2366	0	0	0	0	0	33 20.85552
## 2380	0	0	0	0	0	33 20.74137
## 2418	0	0	0	0	0	33 20.74101
## 2433	0	0	0	0	0	34 20.70670
## 2442	0	0	0	0	0	34 20.70670
## 2450	30	0	0	0	0	34 20.67314
## 2463	50	0	20	0	0	43 25.12396
## 2480	0	0	20	0	0	42 24.59956
## 2493	0	0	20	0	0	42 25.01532
## 2504	50	0	20	0	0	42 24.51904
## 2508	0	0	20	0	0	42 24.58849

## 2512	0	0	20	0	0	42	24.38279
## 2525	0	0	0	0	0	36	21.01705
## 2533	0	0	0	0	0	35	21.09897
## 2541	0	0	0	0	0	35	21.25968
## 2548	0	0	0	0	0	36	21.17883
## 2556	0	0	0	0	0	34	21.57792
## 2568	0	0	0	0	0	35	21.31096
## 2574	0	0	0	0	0	35	20.92515
## 2573	0	0	0	0	0	34	21.13474
## 2574.1	0	0	0	0	0	35	20.92515
## 2575	0	0	0	0	0	35	20.92515
## 2585	0	0	0	0	0	34	21.10780
## 2574.2	0	0	0	0	0	35	20.92515
## 2575.1	0	0	0	0	0	35	20.92515
## 2579	0	0	0	0	0	35	20.92515
## 2574.3	0	0	0	0	0	35	20.92515
## 2575.2	0	0	0	0	0	35	20.92515
## 2579.1	0	0	0	0	0	35	20.92515
## 2591	0	0	0	0	0	35	20.92515
## 2574.4	0	0	0	0	0	35	20.92515
##	102igb3a	104igb3a	105igb3a	106igb3a	107igb3a	108igb3a	109igb3a
## 3	20	0	0	0	0	0	0
## 3.1	20	0	0	0	0	0	0
## 4	20	0	0	0	0	0	0
## 2	20	0	0	0	0	0	0
## 11	100	0	0	0	0	0	0
## 11.1	100	0	0	0	0	0	0
## 12	100	0	0	0	0	0	0
## 11.2	100	0	0	0	0	0	0
## 12.1	100	0	0	0	0	0	0
## 13	100	0	0	0	0	0	0
## 11.3	100	0	0	0	0	0	0
## 12.2	100	0	0	0	0	0	0
## 13.1	100	0	0	0	0	0	0
## 14	100	0	0	0	0	0	0
## 11.4	100	0	0	0	0	0	0
## 12.3	100	0	0	0	0	0	0
## 13.2	100	0	0	0	0	0	0
## 14.1	100	0	0	0	0	0	0
## 15	100	0	0	0	0	0	0
## 17	80	0	0	0	0	0	0
## 11.5	100	0	0	0	0	0	0
## 12.4	100	0	0	0	0	0	0
## 13.3	100	0	0	0	0	0	0
## 14.2	100	0	0	0	0	0	0
## 15.1	100	0	0	0	0	0	0
## 16	100	0	0	0	0	0	0
## 17.1	80	0	0	0	0	0	0
## 18	80	0	0	0	0	0	0
## 17.2	80	0	0	0	0	0	0
## 18.1	80	0	0	0	0	0	0
## 21	80	0	0	0	0	0	0
## 17.3	80	0	0	0	0	0	0
## 18.2	80	0	0	0	0	0	0

## 21.1	80	0	0	0	0	0	0
## 22	80	0	0	0	0	0	0
## 17.4	80	0	0	0	0	0	0
## 18.3	80	0	0	0	0	0	0
## 21.2	80	0	0	0	0	0	0
## 22.1	80	0	0	0	0	0	0
## 23	80	0	0	0	0	0	0
## 17.5	80	0	0	0	0	0	0
## 18.4	80	0	0	0	0	0	0
## 21.3	80	0	0	0	0	0	0
## 22.2	80	0	0	0	0	0	0
## 23.1	80	0	0	0	0	0	0
## 24	80	0	0	0	0	0	0
## 17.6	80	0	0	0	0	0	0
## 18.5	80	0	0	0	0	0	0
## 21.4	80	0	0	0	0	0	0
## 22.3	80	0	0	0	0	0	0
## 23.2	80	0	0	0	0	0	0
## 24.1	80	0	0	0	0	0	0
## 25	80	0	0	0	0	0	0
## 17.7	80	0	0	0	0	0	0
## 18.6	80	0	0	0	0	0	0
## 21.5	80	0	0	0	0	0	0
## 22.4	80	0	0	0	0	0	0
## 23.3	80	0	0	0	0	0	0
## 24.2	80	0	0	0	0	0	0
## 25.1	80	0	0	0	0	0	0
## 26	80	0	0	0	0	0	0
## 17.8	80	0	0	0	0	0	0
## 18.7	80	0	0	0	0	0	0
## 21.6	80	0	0	0	0	0	0
## 22.5	80	0	0	0	0	0	0
## 23.4	80	0	0	0	0	0	0
## 24.3	80	0	0	0	0	0	0
## 25.2	80	0	0	0	0	0	0
## 26.1	80	0	0	0	0	0	0
## 27	80	0	0	0	0	0	0
## 17.9	80	0	0	0	0	0	0
## 18.8	80	0	0	0	0	0	0
## 21.7	80	0	0	0	0	0	0
## 22.6	80	0	0	0	0	0	0
## 23.5	80	0	0	0	0	0	0
## 24.4	80	0	0	0	0	0	0
## 25.3	80	0	0	0	0	0	0
## 26.2	80	0	0	0	0	0	0
## 27.1	80	0	0	0	0	0	0
## 28	80	0	0	0	0	0	0
## 17.10	80	0	0	0	0	0	0
## 18.9	80	0	0	0	0	0	0
## 21.8	80	0	0	0	0	0	0
## 22.7	80	0	0	0	0	0	0
## 23.6	80	0	0	0	0	0	0
## 24.5	80	0	0	0	0	0	0
## 25.4	80	0	0	0	0	0	0

## 26.3	80	0	0	0	0	0	0
## 27.2	80	0	0	0	0	0	0
## 28.1	80	0	0	0	0	0	0
## 29	80	0	0	0	0	0	0
## 17.11	80	0	0	0	0	0	0
## 18.10	80	0	0	0	0	0	0
## 21.9	80	0	0	0	0	0	0
## 22.8	80	0	0	0	0	0	0
## 23.7	80	0	0	0	0	0	0
## 24.6	80	0	0	0	0	0	0
## 25.5	80	0	0	0	0	0	0
## 26.4	80	0	0	0	0	0	0
## 27.3	80	0	0	0	0	0	0
## 28.2	80	0	0	0	0	0	0
## 29.1	80	0	0	0	0	0	0
## 30	80	0	0	0	0	0	0
## 17.12	80	0	0	0	0	0	0
## 18.11	80	0	0	0	0	0	0
## 21.10	80	0	0	0	0	0	0
## 22.9	80	0	0	0	0	0	0
## 23.8	80	0	0	0	0	0	0
## 24.7	80	0	0	0	0	0	0
## 25.6	80	0	0	0	0	0	0
## 26.5	80	0	0	0	0	0	0
## 27.4	80	0	0	0	0	0	0
## 28.3	80	0	0	0	0	0	0
## 29.2	80	0	0	0	0	0	0
## 30.1	80	0	0	0	0	0	0
## 31	80	0	0	0	0	0	0
## 17.13	80	0	0	0	0	0	0
## 18.12	80	0	0	0	0	0	0
## 21.11	80	0	0	0	0	0	0
## 22.10	80	0	0	0	0	0	0
## 23.9	80	0	0	0	0	0	0
## 24.8	80	0	0	0	0	0	0
## 25.7	80	0	0	0	0	0	0
## 26.6	80	0	0	0	0	0	0
## 27.5	80	0	0	0	0	0	0
## 28.4	80	0	0	0	0	0	0
## 29.3	80	0	0	0	0	0	0
## 30.2	80	0	0	0	0	0	0
## 31.1	80	0	0	0	0	0	0
## 32	80	0	0	0	0	0	0
## 17.14	80	0	0	0	0	0	0
## 18.13	80	0	0	0	0	0	0
## 21.12	80	0	0	0	0	0	0
## 22.11	80	0	0	0	0	0	0
## 23.10	80	0	0	0	0	0	0
## 24.9	80	0	0	0	0	0	0
## 25.8	80	0	0	0	0	0	0
## 26.7	80	0	0	0	0	0	0
## 27.6	80	0	0	0	0	0	0
## 28.5	80	0	0	0	0	0	0
## 29.4	80	0	0	0	0	0	0

## 30.3	80	0	0	0	0	0	0
## 31.2	80	0	0	0	0	0	0
## 32.1	80	0	0	0	0	0	0
## 33	80	0	0	0	0	0	0
## 17.15	80	0	0	0	0	0	0
## 18.14	80	0	0	0	0	0	0
## 21.13	80	0	0	0	0	0	0
## 22.12	80	0	0	0	0	0	0
## 23.11	80	0	0	0	0	0	0
## 24.10	80	0	0	0	0	0	0
## 25.9	80	0	0	0	0	0	0
## 26.8	80	0	0	0	0	0	0
## 27.7	80	0	0	0	0	0	0
## 28.6	80	0	0	0	0	0	0
## 29.5	80	0	0	0	0	0	0
## 30.4	80	0	0	0	0	0	0
## 31.3	80	0	0	0	0	0	0
## 32.2	80	0	0	0	0	0	0
## 33.1	80	0	0	0	0	0	0
## 34	80	0	0	0	0	0	0
## 17.16	80	0	0	0	0	0	0
## 18.15	80	0	0	0	0	0	0
## 21.14	80	0	0	0	0	0	0
## 22.13	80	0	0	0	0	0	0
## 23.12	80	0	0	0	0	0	0
## 24.11	80	0	0	0	0	0	0
## 25.10	80	0	0	0	0	0	0
## 26.9	80	0	0	0	0	0	0
## 27.8	80	0	0	0	0	0	0
## 28.7	80	0	0	0	0	0	0
## 29.6	80	0	0	0	0	0	0
## 30.5	80	0	0	0	0	0	0
## 31.4	80	0	0	0	0	0	0
## 32.3	80	0	0	0	0	0	0
## 33.2	80	0	0	0	0	0	0
## 34.1	80	0	0	0	0	0	0
## 35	80	0	0	0	0	0	0
## 17.17	80	0	0	0	0	0	0
## 18.16	80	0	0	0	0	0	0
## 21.15	80	0	0	0	0	0	0
## 22.14	80	0	0	0	0	0	0
## 23.13	80	0	0	0	0	0	0
## 24.12	80	0	0	0	0	0	0
## 25.11	80	0	0	0	0	0	0
## 26.10	80	0	0	0	0	0	0
## 27.9	80	0	0	0	0	0	0
## 28.8	80	0	0	0	0	0	0
## 29.7	80	0	0	0	0	0	0
## 30.6	80	0	0	0	0	0	0
## 31.5	80	0	0	0	0	0	0
## 32.4	80	0	0	0	0	0	0
## 33.3	80	0	0	0	0	0	0
## 34.2	80	0	0	0	0	0	0
## 35.1	80	0	0	0	0	0	0



## 36	80	0	0	0	0	0	0
## 17.18	80	0	0	0	0	0	0
## 18.17	80	0	0	0	0	0	0
## 21.16	80	0	0	0	0	0	0
## 22.15	80	0	0	0	0	0	0
## 23.14	80	0	0	0	0	0	0
## 24.13	80	0	0	0	0	0	0
## 25.12	80	0	0	0	0	0	0
## 26.11	80	0	0	0	0	0	0
## 27.10	80	0	0	0	0	0	0
## 28.9	80	0	0	0	0	0	0
## 29.8	80	0	0	0	0	0	0
## 30.7	80	0	0	0	0	0	0
## 31.6	80	0	0	0	0	0	0
## 32.5	80	0	0	0	0	0	0
## 33.4	80	0	0	0	0	0	0
## 34.3	80	0	0	0	0	0	0
## 35.2	80	0	0	0	0	0	0
## 36.1	80	0	0	0	0	0	0
## 37	80	0	0	0	0	0	0
## 17.19	80	0	0	0	0	0	0
## 18.18	80	0	0	0	0	0	0
## 21.17	80	0	0	0	0	0	0
## 22.16	80	0	0	0	0	0	0
## 23.15	80	0	0	0	0	0	0
## 24.14	80	0	0	0	0	0	0
## 25.13	80	0	0	0	0	0	0
## 26.12	80	0	0	0	0	0	0
## 27.11	80	0	0	0	0	0	0
## 28.10	80	0	0	0	0	0	0
## 29.9	80	0	0	0	0	0	0
## 30.8	80	0	0	0	0	0	0
## 31.7	80	0	0	0	0	0	0
## 32.6	80	0	0	0	0	0	0
## 33.5	80	0	0	0	0	0	0
## 34.4	80	0	0	0	0	0	0
## 35.3	80	0	0	0	0	0	0
## 36.2	80	0	0	0	0	0	0
## 37.1	80	0	0	0	0	0	0
## 38	80	0	0	0	0	0	0
## 17.20	80	0	0	0	0	0	0
## 18.19	80	0	0	0	0	0	0
## 21.18	80	0	0	0	0	0	0
## 22.17	80	0	0	0	0	0	0
## 23.16	80	0	0	0	0	0	0
## 24.15	80	0	0	0	0	0	0
## 25.14	80	0	0	0	0	0	0
## 26.13	80	0	0	0	0	0	0
## 27.12	80	0	0	0	0	0	0
## 28.11	80	0	0	0	0	0	0
## 29.10	80	0	0	0	0	0	0
## 30.9	80	0	0	0	0	0	0
## 31.8	80	0	0	0	0	0	0
## 32.7	80	0	0	0	0	0	0

## 33.6	80	0	0	0	0	0	0
## 34.5	80	0	0	0	0	0	0
## 35.4	80	0	0	0	0	0	0
## 36.3	80	0	0	0	0	0	0
## 37.2	80	0	0	0	0	0	0
## 38.1	80	0	0	0	0	0	0
## 39	80	0	0	0	0	0	0
## 17.21	80	0	0	0	0	0	0
## 18.20	80	0	0	0	0	0	0
## 21.19	80	0	0	0	0	0	0
## 22.18	80	0	0	0	0	0	0
## 23.17	80	0	0	0	0	0	0
## 24.16	80	0	0	0	0	0	0
## 25.15	80	0	0	0	0	0	0
## 26.14	80	0	0	0	0	0	0
## 27.13	80	0	0	0	0	0	0
## 28.12	80	0	0	0	0	0	0
## 29.11	80	0	0	0	0	0	0
## 30.10	80	0	0	0	0	0	0
## 31.9	80	0	0	0	0	0	0
## 32.8	80	0	0	0	0	0	0
## 33.7	80	0	0	0	0	0	0
## 34.6	80	0	0	0	0	0	0
## 35.5	80	0	0	0	0	0	0
## 36.4	80	0	0	0	0	0	0
## 37.3	80	0	0	0	0	0	0
## 38.2	80	0	0	0	0	0	0
## 39.1	80	0	0	0	0	0	0
## 41	80	0	0	0	0	0	0
## 10	100	0	0	0	0	0	0
## 50	80	0	0	0	0	0	0
## 51	80	0	0	0	0	0	0
## 58	80	0	0	0	0	0	0
## 44	40	0	0	0	0	0	0
## 49	0	0	0	0	0	0	0
## 9	0	0	0	0	0	0	0
## 58.1	80	0	0	0	0	0	0
## 59	80	0	0	0	0	0	0
## 74	100	0	0	0	0	0	0
## 76	40	0	0	0	0	0	0
## 88	100	0	0	0	0	0	0
## 83	100	0	0	0	0	0	0
## 89	100	0	0	0	0	0	0
## 79	80	0	0	0	0	0	0
## 76.1	40	0	0	0	0	0	0
## 77	40	0	0	0	0	0	0
## 73	40	0	0	0	0	0	0
## 72	60	0	0	0	0	0	0
## 71	20	0	0	0	0	40	0
## 96	80	0	0	0	0	0	0
## 74.1	100	0	0	0	0	0	0
## 75	100	0	0	0	0	0	0
## 104	0	0	0	0	0	0	0
## 119	20	0	0	0	0	20	0

## 129	0	0	0	0	0	0	0
## 128	0	0	0	0	0	0	0
## 122	0	0	0	0	0	0	0
## 142	40	0	0	0	0	0	0
## 150	60	0	0	0	0	0	0
## 121	20	0	0	0	0	0	0
## 167	60	0	0	0	0	0	20
## 121.1	20	0	0	0	0	0	0
## 154	20	0	0	0	0	0	0
## 142.1	40	0	0	0	0	0	0
## 146	40	0	0	0	0	0	0
## 119.1	20	0	0	0	0	20	0
## 120	20	0	0	0	0	20	0
## 177	100	0	0	0	0	0	0
## 174	0	0	0	0	0	0	0
## 175	20	0	0	0	0	0	20
## 176	0	0	0	0	0	0	0
## 135	40	0	0	0	0	0	0
## 169	40	0	0	0	0	0	0
## 196	20	0	0	0	0	0	0
## 196.1	20	0	0	0	0	0	0
## 197	20	0	0	0	0	0	0
## 196.2	20	0	0	0	0	0	0
## 197.1	20	0	0	0	0	0	0
## 198	20	0	0	0	0	0	0
## 196.3	20	0	0	0	0	0	0
## 197.2	20	0	0	0	0	0	0
## 198.1	20	0	0	0	0	0	0
## 199	20	0	0	0	0	0	0
## 196.4	20	0	0	0	0	0	0
## 197.3	20	0	0	0	0	0	0
## 198.2	20	0	0	0	0	0	0
## 199.1	20	0	0	0	0	0	0
## 200	20	0	0	0	0	0	0
## 195	60	0	0	0	0	0	20
## 206	0	0	0	0	0	0	0
## 208	60	0	20	0	0	0	0
## 213	80	0	0	0	0	0	0
## 213.1	80	0	0	0	0	0	0
## 214	80	0	0	0	0	0	0
## 213.2	80	0	0	0	0	0	0
## 214.1	80	0	0	0	0	0	0
## 215	80	0	0	0	0	0	0
## 217	60	0	0	0	0	0	0
## 217.1	60	0	0	0	0	0	0
## 218	60	0	0	0	0	0	0
## 231	20	0	0	0	0	0	0
## 242	20	0	0	0	0	0	0
## 250	0	0	0	0	0	0	0
## 223	20	0	0	0	0	0	0
## 238	40	0	0	0	0	0	0
## 246	80	0	20	0	0	0	0
## 246.1	80	0	20	0	0	0	0
## 260	80	0	20	0	0	0	0

## 282	0	0	0	0	0	0	20
## 284	80	0	0	0	0	0	0
## 196.5	20	0	0	0	0	0	0
## 197.4	20	0	0	0	0	0	0
## 198.3	20	0	0	0	0	0	0
## 199.2	20	0	0	0	0	0	0
## 200.1	20	0	0	0	0	0	0
## 201	20	0	0	0	0	0	0
## 195.1	60	0	0	0	0	0	20
## 202	60	0	0	0	0	0	20
## 238.1	40	0	0	0	0	0	0
## 254	40	0	0	0	0	0	0
## 296	40	0	0	0	0	0	0
## 237	0	0	0	0	0	0	0
## 296.1	40	0	0	0	0	0	0
## 297	40	0	0	0	0	0	0
## 275	0	0	0	0	0	0	0
## 296.2	40	0	0	0	0	0	0
## 297.1	40	0	0	0	0	0	0
## 299	40	0	0	0	0	0	0
## 237.1	0	0	0	0	0	0	0
## 298	0	0	0	0	0	0	0
## 292	40	0	0	0	0	0	0
## 195.2	60	0	0	0	0	0	20
## 202.1	60	0	0	0	0	0	20
## 293	60	0	0	0	0	0	20
## 317	40	0	0	0	0	0	0
## 316	0	0	0	0	0	0	0
## 322	0	0	0	0	0	0	0
## 324	40	0	0	0	0	40	0
## 329	0	0	0	0	0	0	20
## 337	0	0	0	0	0	0	0
## 355	40	0	0	0	0	0	0
## 322.1	0	0	0	0	0	0	0
## 323	0	0	0	0	0	0	0
## 320	40	0	0	0	0	0	0
## 317.1	40	0	0	0	0	0	0
## 318	40	0	0	0	0	0	0
## 319	60	0	0	0	0	0	0
## 317.2	40	0	0	0	0	0	0
## 318.1	40	0	0	0	0	0	0
## 375	40	0	0	0	0	0	0
## 393	0	0	20	40	0	20	0
## 316.1	0	0	0	0	0	0	0
## 321	0	0	0	0	0	0	0
## 381	40	0	0	0	0	0	0
## 399	0	0	0	0	0	0	0
## 399.1	0	0	0	0	0	0	0
## 400	0	0	0	0	0	0	0
## 402	0	0	0	0	0	0	0
## 408	0	0	0	0	0	0	0
## 408.1	0	0	0	0	0	0	0
## 409	0	0	0	0	0	0	0
## 417	0	0	0	0	40	0	0

## 411	0	0	0	40	0	0	0
## 408.2	0	0	0	0	0	0	0
## 409.1	0	0	0	0	0	0	0
## 410	0	0	0	0	0	0	0
## 431	0	0	0	0	40	0	0
## 435	0	0	0	0	0	0	20
## 433	0	0	0	0	0	0	20
## 427	0	0	0	0	20	0	0
## 447	80	0	0	0	0	20	0
## 449	80	0	0	0	0	0	0
## 465	0	0	0	0	0	0	0
## 470	60	0	0	0	0	0	0
## 460	0	0	0	0	0	0	0
## 479	0	0	0	0	0	0	0
## 402.1	0	0	0	0	0	0	0
## 403	0	0	0	0	0	0	0
## 502	0	0	0	0	0	20	40
## 502.1	0	0	0	0	0	20	40
## 503	0	0	0	0	0	20	40
## 497	100	0	0	0	0	0	0
## 514	0	0	0	0	0	40	0
## 507	60	0	0	0	0	0	0
## 399.2	0	0	0	0	0	0	0
## 400.1	0	0	0	0	0	0	0
## 401	0	0	0	0	0	0	0
## 497.1	100	0	0	0	0	0	0
## 508	100	0	0	0	0	0	0
## 495	100	0	0	0	0	0	0
## 572	100	0	0	0	0	0	0
## 574	100	0	0	0	0	0	0
## 574.1	100	0	0	0	0	0	0
## 575	100	0	0	0	0	0	0
## 579	100	0	0	0	0	0	0
## 579.1	100	0	0	0	0	0	0
## 582	100	0	0	0	0	0	0
## 586	100	0	0	0	0	0	0
## 572.1	100	0	0	0	0	0	0
## 573	100	0	0	0	0	0	0
## 599	100	0	0	0	0	0	0
## 612	0	0	0	0	0	0	0
## 617	100	0	0	0	0	0	0
## 616	0	0	0	0	0	0	20
## 641	0	0	0	0	0	0	80
## 662	0	0	0	0	0	0	0
## 668	100	0	0	0	0	0	0
## 678	60	0	0	0	0	0	0
## 677	0	0	0	0	0	0	0
## 647	0	0	0	0	0	0	20
## 700	20	0	0	0	0	0	0
## 704	100	0	0	0	0	0	0
## 709	100	0	0	0	0	0	0
## 732	100	0	0	0	0	0	0
## 806	60	0	0	0	0	0	0
## 700.1	20	0	0	0	0	0	0

## 701	20	0	0	0	0	0	0
## 851	60	0	0	0	0	0	0
## 859	0	0	0	0	0	0	0
## 887	100	0	0	0	0	0	0
## 894	100	0	0	0	0	0	0
## 896	100	0	0	0	0	0	0
## 899	100	0	0	0	0	0	0
## 901	100	0	0	0	0	0	0
## 910	100	0	0	0	0	0	0
## 894.1	100	0	0	0	0	0	0
## 900	100	0	0	0	0	0	0
## 917	100	0	0	0	0	0	0
## 926	100	0	0	0	0	0	0
## 892	100	0	0	0	0	0	0
## 945	100	0	0	0	0	0	0
## 937	100	0	0	0	0	0	0
## 908	100	0	0	0	0	0	0
## 958	100	0	0	0	0	0	0
## 971	100	0	0	0	0	0	0
## 985	60	0	0	0	0	0	0
## 1019	0	0	0	0	0	0	0
## 1039	100	0	0	0	0	0	0
## 1017	0	0	0	0	0	60	0
## 1097	60	0	0	0	0	0	0
## 1135	40	0	0	0	0	0	0
## 1135.1	40	0	0	0	0	0	0
## 1136	40	0	0	0	0	0	0
## 1139	80	0	0	0	0	0	0
## 1139.1	80	0	0	0	0	0	0
## 1140	80	0	0	0	0	0	0
## 1145	40	0	0	0	0	20	40
## 1143	80	0	0	0	0	20	0
## 1145.1	40	0	0	0	0	20	40
## 1146	40	0	0	0	0	20	40
## 1138	100	0	0	0	0	0	0
## 1167	100	0	0	0	0	0	0
## 1173	100	0	0	0	0	0	0
## 1175	100	0	0	0	0	0	0
## 1178	100	0	0	0	0	0	0
## 1217	40	0	0	0	0	0	0
## 1211	0	0	0	0	0	0	20
## 1131	0	0	0	0	0	0	0
## 1250	0	0	0	0	0	0	0
## 1253	0	0	0	0	0	0	0
## 1268	0	0	0	0	0	0	0
## 1248	20	0	0	0	0	0	40
## 1249	0	0	0	0	0	0	0
## 1216	0	0	0	0	0	0	60
## 1216.1	0	0	0	0	0	0	60
## 1280	0	0	0	0	0	0	60
## 1266	0	0	0	0	0	20	0
## 1293	100	0	0	0	0	0	0
## 1295	100	0	0	0	0	0	0
## 1295.1	100	0	0	0	0	0	0

## 1296	100	0	0	0	0	0	0
## 1305	100	0	0	0	0	0	0
## 1308	80	0	20	0	0	0	0
## 1308.1	80	0	20	0	0	0	0
## 1309	80	0	20	0	0	0	0
## 1311	100	0	0	0	0	0	0
## 1315	100	0	0	0	0	0	0
## 1315.1	100	0	0	0	0	0	0
## 1316	100	0	0	0	0	0	0
## 1318	100	0	0	0	0	0	0
## 1320	80	0	0	0	0	0	0
## 1315.2	100	0	0	0	0	0	0
## 1316.1	100	0	0	0	0	0	0
## 1317	100	0	0	0	0	0	0
## 1327	100	0	0	0	0	0	0
## 1341	40	0	0	0	0	0	20
## 1345	100	0	0	0	0	0	0
## 1350	40	0	0	0	0	0	0
## 1408	20	0	0	0	0	20	0
## 1438	40	0	0	0	0	0	40
## 1443	0	0	0	0	0	0	20
## 1443.1	0	0	0	0	0	0	20
## 1444	0	0	0	0	0	0	20
## 1290	0	0	0	0	0	0	80
## 1465	0	0	0	0	0	80	0
## 1474	0	0	0	0	0	40	0
## 1474.1	0	0	0	0	0	40	0
## 1475	0	0	0	0	0	40	0
## 1485	0	0	0	0	0	0	0
## 1503	0	0	0	0	0	0	40
## 1506	0	0	0	0	0	0	0
## 1509	0	0	0	0	0	0	0
## 1533	60	0	0	0	0	0	0
## 1533.1	60	0	0	0	0	0	0
## 1534	60	0	0	0	0	0	0
## 1533.2	60	0	0	0	0	0	0
## 1534.1	60	0	0	0	0	0	0
## 1537	60	0	0	0	0	0	0
## 1533.3	60	0	0	0	0	0	0
## 1534.2	60	0	0	0	0	0	0
## 1537.1	60	0	0	0	0	0	0
## 1539	60	0	0	0	0	0	0
## 1545	20	0	0	0	0	0	0
## 1545.1	20	0	0	0	0	0	0
## 1546	20	0	0	0	0	0	0
## 1548	60	0	0	0	0	20	0
## 1552	80	0	0	0	0	0	20
## 1552.1	80	0	0	0	0	0	20
## 1557	80	0	0	0	0	0	20
## 1571	60	0	0	0	0	0	0
## 1580	80	0	0	0	0	20	0
## 1570	40	0	0	0	0	0	0
## 1584	100	0	0	0	0	0	0
## 1584.1	100	0	0	0	0	0	0

## 1606	100	0	0	0	0	0	0
## 1609	0	0	0	0	0	0	0
## 1612	80	0	0	0	0	0	0
## 1624	100	0	0	0	0	0	0
## 1629	60	0	0	0	0	0	0
## 1631	100	0	0	0	0	0	0
## 1642	40	0	0	0	0	0	0
## 1663	80	0	0	0	0	0	0
## 1702	20	0	0	0	0	0	0
## 1700	0	0	0	0	0	0	20
## 1719	60	0	0	0	0	0	0
## 1719.1	60	0	0	0	0	0	0
## 1720	60	0	0	0	0	0	0
## 1731	40	0	0	0	0	0	0
## 1742	0	0	0	0	0	0	0
## 1698	0	0	0	0	0	0	20
## 1749	0	0	0	0	0	0	20
## 1741	60	0	0	0	0	0	40
## 1768	20	0	0	0	0	0	0
## 1807	0	0	0	0	0	0	20
## 1771	0	0	0	0	0	20	0
## 1814	80	0	0	0	0	20	0
## 1830	100	0	0	0	0	0	0
## 1848	80	0	0	0	0	0	0
## 1853	80	0	0	0	0	0	0
## 1863	100	0	0	0	0	0	0
## 1862	40	0	20	0	0	0	0
## 1862.1	40	0	20	0	0	0	0
## 1867	40	0	20	0	0	0	0
## 1865	100	0	0	0	0	0	0
## 1862.2	40	0	20	0	0	0	0
## 1867.1	40	0	20	0	0	0	0
## 1868	40	0	20	0	0	0	0
## 1862.3	40	0	20	0	0	0	0
## 1867.2	40	0	20	0	0	0	0
## 1868.1	40	0	20	0	0	0	0
## 1872	40	0	20	0	0	0	0
## 1879	100	0	0	0	0	0	0
## 1911	0	0	0	0	0	0	40
## 1952	0	0	0	0	0	0	0
## 1954	0	0	0	0	0	0	0
## 1973	0	0	0	0	0	0	0
## 1989	80	0	0	0	0	20	0
## 1994	0	0	0	0	0	0	0
## 1996	0	0	0	0	0	0	0
## 1998	60	0	40	0	0	0	0
## 1998.1	60	0	40	0	0	0	0
## 1999	60	0	40	0	0	0	0
## 2001	0	0	0	0	0	0	0
## 2021	40	0	0	0	0	0	0
## 2015	0	0	0	0	0	20	0
## 2029	0	0	0	0	0	0	0
## 2034	80	0	0	0	0	0	0
## 2039	100	0	0	0	0	0	0



## 2045	100	0	0	0	0	0	0
## 2064	100	0	0	0	0	0	0
## 2062	100	0	0	0	0	0	0
## 2069	100	0	0	0	0	0	0
## 2064.1	100	0	0	0	0	0	0
## 2070	100	0	0	0	0	0	0
## 2101	0	0	0	0	0	20	40
## 2110	0	0	0	0	0	0	0
## 2113	40	0	0	0	0	60	0
## 2131	20	0	0	0	0	0	0
## 2131.1	20	0	0	0	0	0	0
## 2132	20	0	0	0	0	0	0
## 2135	0	0	0	0	0	0	0
## 2145	0	0	0	0	0	0	40
## 2153	0	0	0	0	0	0	40
## 2162	0	0	0	0	0	0	0
## 2162.1	0	0	0	0	0	0	0
## 2163	0	0	0	0	0	0	0
## 2168	0	0	0	0	0	0	0
## 2168.1	0	0	0	0	0	0	0
## 2169	0	0	0	0	0	0	0
## 2179	0	0	0	0	0	0	0
## 2178	0	0	0	0	0	0	0
## 2182	0	0	0	0	0	0	0
## 2162.2	0	0	0	0	0	0	0
## 2163.1	0	0	0	0	0	0	0
## 2164	0	0	0	0	0	0	0
## 2187	0	0	0	0	0	0	0
## 2162.3	0	0	0	0	0	0	0
## 2163.2	0	0	0	0	0	0	0
## 2164.1	0	0	0	0	0	0	0
## 2184	0	0	0	0	0	0	0
## 2174	0	0	0	0	0	0	0
## 2179.1	0	0	0	0	0	0	0
## 2180	0	0	0	0	0	0	0
## 2212	0	0	0	0	0	0	0
## 2229	0	0	0	0	0	0	0
## 2229.1	0	0	0	0	0	0	0
## 2230	0	0	0	0	0	0	0
## 2237	0	0	0	0	0	0	0
## 2247	100	0	0	0	0	0	0
## 2252	0	0	0	0	0	0	20
## 2275	80	0	0	0	0	0	0
## 2282	40	0	0	0	0	0	0
## 2273	20	0	0	0	0	0	0
## 2273.1	20	0	0	0	0	0	0
## 2285	20	0	0	0	0	0	0
## 2287	100	0	0	0	0	0	0
## 2292	100	0	0	0	0	0	0
## 2297	100	0	0	0	0	0	0
## 2300	100	0	0	0	0	0	0
## 2302	0	0	0	0	0	0	0
## 2308	60	0	0	0	0	0	0
## 2308.1	60	0	0	0	0	0	0

## 2309	60	0	0	0	0	0	0
## 2323	100	0	0	0	0	0	0
## 2339	100	0	0	0	0	0	0
## 2357	0	0	0	0	0	0	60
## 2360	0	0	0	0	0	0	20
## 2349	0	0	0	0	0	0	0
## 2367	20	0	0	0	0	0	20
## 2366	0	0	0	0	0	0	20
## 2380	0	0	0	0	0	0	40
## 2418	0	0	0	0	0	0	0
## 2433	0	0	0	0	0	0	20
## 2442	0	0	0	0	0	0	0
## 2450	0	0	0	0	0	0	0
## 2463	0	0	0	0	20	0	0
## 2480	0	0	0	0	0	0	0
## 2493	0	0	0	0	20	0	0
## 2504	0	0	0	0	0	0	0
## 2508	0	0	0	0	0	0	0
## 2512	0	0	0	0	0	0	0
## 2525	40	0	0	0	0	0	40
## 2533	0	0	0	0	0	0	0
## 2541	100	0	0	0	0	0	0
## 2548	100	0	0	0	0	0	0
## 2556	100	0	0	0	0	0	0
## 2568	80	0	0	0	0	0	0
## 2574	100	0	0	0	0	0	0
## 2573	100	0	0	0	0	0	0
## 2574.1	100	0	0	0	0	0	0
## 2575	100	0	0	0	0	0	0
## 2585	100	0	0	0	0	0	0
## 2574.2	100	0	0	0	0	0	0
## 2575.1	100	0	0	0	0	0	0
## 2579	100	0	0	0	0	0	0
## 2574.3	100	0	0	0	0	0	0
## 2575.2	100	0	0	0	0	0	0
## 2579.1	100	0	0	0	0	0	0
## 2591	100	0	0	0	0	0	0
## 2574.4	100	0	0	0	0	0	0
##	l10igb3a	l11igb3a	l12igb3a	l13igb3a	l14igb3a	l3pobi3b	lammod3a
## 3	40	0	0	0	40	7	14
## 3.1	40	0	0	0	40	7	14
## 4	40	0	0	0	40	7	14
## 2	0	0	0	0	80	7	9
## 11	0	0	0	0	0	7	24
## 11.1	0	0	0	0	0	7	24
## 12	0	0	0	0	0	7	24
## 11.2	0	0	0	0	0	7	24
## 12.1	0	0	0	0	0	7	24
## 13	0	0	0	0	0	7	24
## 11.3	0	0	0	0	0	7	24
## 12.2	0	0	0	0	0	7	24
## 13.1	0	0	0	0	0	7	24
## 14	0	0	0	0	0	7	24
## 11.4	0	0	0	0	0	7	24

## 12.3	0	0	0	0	0	7	24
## 13.2	0	0	0	0	0	7	24
## 14.1	0	0	0	0	0	7	24
## 15	0	0	0	0	0	7	24
## 17	0	0	0	0	20	7	22
## 11.5	0	0	0	0	0	7	24
## 12.4	0	0	0	0	0	7	24
## 13.3	0	0	0	0	0	7	24
## 14.2	0	0	0	0	0	7	24
## 15.1	0	0	0	0	0	7	24
## 16	0	0	0	0	0	7	24
## 17.1	0	0	0	0	20	7	22
## 18	0	0	0	0	20	7	22
## 17.2	0	0	0	0	20	7	22
## 18.1	0	0	0	0	20	7	22
## 21	0	0	0	0	20	7	22
## 17.3	0	0	0	0	20	7	22
## 18.2	0	0	0	0	20	7	22
## 21.1	0	0	0	0	20	7	22
## 22	0	0	0	0	20	7	22
## 17.4	0	0	0	0	20	7	22
## 18.3	0	0	0	0	20	7	22
## 21.2	0	0	0	0	20	7	22
## 22.1	0	0	0	0	20	7	22
## 23	0	0	0	0	20	7	22
## 17.5	0	0	0	0	20	7	22
## 18.4	0	0	0	0	20	7	22
## 21.3	0	0	0	0	20	7	22
## 22.2	0	0	0	0	20	7	22
## 23.1	0	0	0	0	20	7	22
## 24	0	0	0	0	20	7	22
## 17.6	0	0	0	0	20	7	22
## 18.5	0	0	0	0	20	7	22
## 21.4	0	0	0	0	20	7	22
## 22.3	0	0	0	0	20	7	22
## 23.2	0	0	0	0	20	7	22
## 24.1	0	0	0	0	20	7	22
## 25	0	0	0	0	20	7	22
## 17.7	0	0	0	0	20	7	22
## 18.6	0	0	0	0	20	7	22
## 21.5	0	0	0	0	20	7	22
## 22.4	0	0	0	0	20	7	22
## 23.3	0	0	0	0	20	7	22
## 24.2	0	0	0	0	20	7	22
## 25.1	0	0	0	0	20	7	22
## 26	0	0	0	0	20	7	22
## 17.8	0	0	0	0	20	7	22
## 18.7	0	0	0	0	20	7	22
## 21.6	0	0	0	0	20	7	22
## 22.5	0	0	0	0	20	7	22
## 23.4	0	0	0	0	20	7	22
## 24.3	0	0	0	0	20	7	22
## 25.2	0	0	0	0	20	7	22
## 26.1	0	0	0	0	20	7	22

## 27	0	0	0	0	20	7	22
## 17.9	0	0	0	0	20	7	22
## 18.8	0	0	0	0	20	7	22
## 21.7	0	0	0	0	20	7	22
## 22.6	0	0	0	0	20	7	22
## 23.5	0	0	0	0	20	7	22
## 24.4	0	0	0	0	20	7	22
## 25.3	0	0	0	0	20	7	22
## 26.2	0	0	0	0	20	7	22
## 27.1	0	0	0	0	20	7	22
## 28	0	0	0	0	20	7	22
## 17.10	0	0	0	0	20	7	22
## 18.9	0	0	0	0	20	7	22
## 21.8	0	0	0	0	20	7	22
## 22.7	0	0	0	0	20	7	22
## 23.6	0	0	0	0	20	7	22
## 24.5	0	0	0	0	20	7	22
## 25.4	0	0	0	0	20	7	22
## 26.3	0	0	0	0	20	7	22
## 27.2	0	0	0	0	20	7	22
## 28.1	0	0	0	0	20	7	22
## 29	0	0	0	0	20	7	22
## 17.11	0	0	0	0	20	7	22
## 18.10	0	0	0	0	20	7	22
## 21.9	0	0	0	0	20	7	22
## 22.8	0	0	0	0	20	7	22
## 23.7	0	0	0	0	20	7	22
## 24.6	0	0	0	0	20	7	22
## 25.5	0	0	0	0	20	7	22
## 26.4	0	0	0	0	20	7	22
## 27.3	0	0	0	0	20	7	22
## 28.2	0	0	0	0	20	7	22
## 29.1	0	0	0	0	20	7	22
## 30	0	0	0	0	20	7	22
## 17.12	0	0	0	0	20	7	22
## 18.11	0	0	0	0	20	7	22
## 21.10	0	0	0	0	20	7	22
## 22.9	0	0	0	0	20	7	22
## 23.8	0	0	0	0	20	7	22
## 24.7	0	0	0	0	20	7	22
## 25.6	0	0	0	0	20	7	22
## 26.5	0	0	0	0	20	7	22
## 27.4	0	0	0	0	20	7	22
## 28.3	0	0	0	0	20	7	22
## 29.2	0	0	0	0	20	7	22
## 30.1	0	0	0	0	20	7	22
## 31	0	0	0	0	20	7	22
## 17.13	0	0	0	0	20	7	22
## 18.12	0	0	0	0	20	7	22
## 21.11	0	0	0	0	20	7	22
## 22.10	0	0	0	0	20	7	22
## 23.9	0	0	0	0	20	7	22
## 24.8	0	0	0	0	20	7	22
## 25.7	0	0	0	0	20	7	22

## 26.6	0	0	0	0	20	7	22
## 27.5	0	0	0	0	20	7	22
## 28.4	0	0	0	0	20	7	22
## 29.3	0	0	0	0	20	7	22
## 30.2	0	0	0	0	20	7	22
## 31.1	0	0	0	0	20	7	22
## 32	0	0	0	0	20	7	22
## 17.14	0	0	0	0	20	7	22
## 18.13	0	0	0	0	20	7	22
## 21.12	0	0	0	0	20	7	22
## 22.11	0	0	0	0	20	7	22
## 23.10	0	0	0	0	20	7	22
## 24.9	0	0	0	0	20	7	22
## 25.8	0	0	0	0	20	7	22
## 26.7	0	0	0	0	20	7	22
## 27.6	0	0	0	0	20	7	22
## 28.5	0	0	0	0	20	7	22
## 29.4	0	0	0	0	20	7	22
## 30.3	0	0	0	0	20	7	22
## 31.2	0	0	0	0	20	7	22
## 32.1	0	0	0	0	20	7	22
## 33	0	0	0	0	20	7	22
## 17.15	0	0	0	0	20	7	22
## 18.14	0	0	0	0	20	7	22
## 21.13	0	0	0	0	20	7	22
## 22.12	0	0	0	0	20	7	22
## 23.11	0	0	0	0	20	7	22
## 24.10	0	0	0	0	20	7	22
## 25.9	0	0	0	0	20	7	22
## 26.8	0	0	0	0	20	7	22
## 27.7	0	0	0	0	20	7	22
## 28.6	0	0	0	0	20	7	22
## 29.5	0	0	0	0	20	7	22
## 30.4	0	0	0	0	20	7	22
## 31.3	0	0	0	0	20	7	22
## 32.2	0	0	0	0	20	7	22
## 33.1	0	0	0	0	20	7	22
## 34	0	0	0	0	20	7	22
## 17.16	0	0	0	0	20	7	22
## 18.15	0	0	0	0	20	7	22
## 21.14	0	0	0	0	20	7	22
## 22.13	0	0	0	0	20	7	22
## 23.12	0	0	0	0	20	7	22
## 24.11	0	0	0	0	20	7	22
## 25.10	0	0	0	0	20	7	22
## 26.9	0	0	0	0	20	7	22
## 27.8	0	0	0	0	20	7	22
## 28.7	0	0	0	0	20	7	22
## 29.6	0	0	0	0	20	7	22
## 30.5	0	0	0	0	20	7	22
## 31.4	0	0	0	0	20	7	22
## 32.3	0	0	0	0	20	7	22
## 33.2	0	0	0	0	20	7	22
## 34.1	0	0	0	0	20	7	22

## 35	0	0	0	0	20	7	22
## 17.17	0	0	0	0	20	7	22
## 18.16	0	0	0	0	20	7	22
## 21.15	0	0	0	0	20	7	22
## 22.14	0	0	0	0	20	7	22
## 23.13	0	0	0	0	20	7	22
## 24.12	0	0	0	0	20	7	22
## 25.11	0	0	0	0	20	7	22
## 26.10	0	0	0	0	20	7	22
## 27.9	0	0	0	0	20	7	22
## 28.8	0	0	0	0	20	7	22
## 29.7	0	0	0	0	20	7	22
## 30.6	0	0	0	0	20	7	22
## 31.5	0	0	0	0	20	7	22
## 32.4	0	0	0	0	20	7	22
## 33.3	0	0	0	0	20	7	22
## 34.2	0	0	0	0	20	7	22
## 35.1	0	0	0	0	20	7	22
## 36	0	0	0	0	20	7	22
## 17.18	0	0	0	0	20	7	22
## 18.17	0	0	0	0	20	7	22
## 21.16	0	0	0	0	20	7	22
## 22.15	0	0	0	0	20	7	22
## 23.14	0	0	0	0	20	7	22
## 24.13	0	0	0	0	20	7	22
## 25.12	0	0	0	0	20	7	22
## 26.11	0	0	0	0	20	7	22
## 27.10	0	0	0	0	20	7	22
## 28.9	0	0	0	0	20	7	22
## 29.8	0	0	0	0	20	7	22
## 30.7	0	0	0	0	20	7	22
## 31.6	0	0	0	0	20	7	22
## 32.5	0	0	0	0	20	7	22
## 33.4	0	0	0	0	20	7	22
## 34.3	0	0	0	0	20	7	22
## 35.2	0	0	0	0	20	7	22
## 36.1	0	0	0	0	20	7	22
## 37	0	0	0	0	20	7	22
## 17.19	0	0	0	0	20	7	22
## 18.18	0	0	0	0	20	7	22
## 21.17	0	0	0	0	20	7	22
## 22.16	0	0	0	0	20	7	22
## 23.15	0	0	0	0	20	7	22
## 24.14	0	0	0	0	20	7	22
## 25.13	0	0	0	0	20	7	22
## 26.12	0	0	0	0	20	7	22
## 27.11	0	0	0	0	20	7	22
## 28.10	0	0	0	0	20	7	22
## 29.9	0	0	0	0	20	7	22
## 30.8	0	0	0	0	20	7	22
## 31.7	0	0	0	0	20	7	22
## 32.6	0	0	0	0	20	7	22
## 33.5	0	0	0	0	20	7	22
## 34.4	0	0	0	0	20	7	22

## 35.3	0	0	0	0	20	7	22
## 36.2	0	0	0	0	20	7	22
## 37.1	0	0	0	0	20	7	22
## 38	0	0	0	0	20	7	22
## 17.20	0	0	0	0	20	7	22
## 18.19	0	0	0	0	20	7	22
## 21.18	0	0	0	0	20	7	22
## 22.17	0	0	0	0	20	7	22
## 23.16	0	0	0	0	20	7	22
## 24.15	0	0	0	0	20	7	22
## 25.14	0	0	0	0	20	7	22
## 26.13	0	0	0	0	20	7	22
## 27.12	0	0	0	0	20	7	22
## 28.11	0	0	0	0	20	7	22
## 29.10	0	0	0	0	20	7	22
## 30.9	0	0	0	0	20	7	22
## 31.8	0	0	0	0	20	7	22
## 32.7	0	0	0	0	20	7	22
## 33.6	0	0	0	0	20	7	22
## 34.5	0	0	0	0	20	7	22
## 35.4	0	0	0	0	20	7	22
## 36.3	0	0	0	0	20	7	22
## 37.2	0	0	0	0	20	7	22
## 38.1	0	0	0	0	20	7	22
## 39	0	0	0	0	20	7	22
## 17.21	0	0	0	0	20	7	22
## 18.20	0	0	0	0	20	7	22
## 21.19	0	0	0	0	20	7	22
## 22.18	0	0	0	0	20	7	22
## 23.17	0	0	0	0	20	7	22
## 24.16	0	0	0	0	20	7	22
## 25.15	0	0	0	0	20	7	22
## 26.14	0	0	0	0	20	7	22
## 27.13	0	0	0	0	20	7	22
## 28.12	0	0	0	0	20	7	22
## 29.11	0	0	0	0	20	7	22
## 30.10	0	0	0	0	20	7	22
## 31.9	0	0	0	0	20	7	22
## 32.8	0	0	0	0	20	7	22
## 33.7	0	0	0	0	20	7	22
## 34.6	0	0	0	0	20	7	22
## 35.5	0	0	0	0	20	7	22
## 36.4	0	0	0	0	20	7	22
## 37.3	0	0	0	0	20	7	22
## 38.2	0	0	0	0	20	7	22
## 39.1	0	0	0	0	20	7	22
## 41	0	0	0	0	20	7	22
## 10	0	0	0	0	0	7	13
## 50	0	20	0	0	0	7	18
## 51	0	0	0	0	20	7	18
## 58	0	20	0	0	0	7	17
## 44	0	0	0	0	60	7	19
## 49	0	0	0	100	0	7	22
## 9	0	0	0	0	100	7	28

## 58.1	0	20	0	0	0	7	17
## 59	0	20	0	0	0	7	17
## 74	0	0	0	0	0	7	22
## 76	0	0	0	0	60	7	13
## 88	0	0	0	0	0	7	18
## 83	0	0	0	0	0	7	21
## 89	0	0	0	0	0	7	20
## 79	0	0	0	0	20	7	24
## 76.1	0	0	0	0	60	7	13
## 77	0	0	0	0	60	7	13
## 73	0	0	0	0	60	7	19
## 72	0	0	0	0	40	7	7
## 71	0	0	0	0	40	7	18
## 96	0	0	0	0	20	7	23
## 74.1	0	0	0	0	0	7	22
## 75	0	0	0	0	0	7	22
## 104	0	40	0	0	60	7	5
## 119	40	0	20	0	0	7	6
## 129	100	0	0	0	0	3	2
## 128	60	0	0	0	40	3	12
## 122	80	0	0	0	20	3	9
## 142	0	0	0	0	60	7	27
## 150	0	0	0	0	40	7	10
## 121	0	0	0	0	80	7	10
## 167	0	0	0	0	20	7	23
## 121.1	0	0	0	0	80	7	10
## 154	0	0	0	0	80	7	10
## 142.1	0	0	0	0	60	7	27
## 146	0	0	0	0	60	7	27
## 119.1	40	0	20	0	0	7	6
## 120	40	0	20	0	0	7	6
## 177	0	0	0	0	0	7	19
## 174	0	0	0	0	100	7	8
## 175	0	0	0	0	60	7	5
## 176	20	40	0	0	40	7	6
## 135	0	0	0	0	60	3	48
## 169	0	0	0	0	60	7	24
## 196	0	40	40	0	0	7	6
## 196.1	0	40	40	0	0	7	6
## 197	0	40	40	0	0	7	6
## 196.2	0	40	40	0	0	7	6
## 197.1	0	40	40	0	0	7	6
## 198	0	40	40	0	0	7	6
## 196.3	0	40	40	0	0	7	6
## 197.2	0	40	40	0	0	7	6
## 198.1	0	40	40	0	0	7	6
## 199	0	40	40	0	0	7	6
## 196.4	0	40	40	0	0	7	6
## 197.3	0	40	40	0	0	7	6
## 198.2	0	40	40	0	0	7	6
## 199.1	0	40	40	0	0	7	6
## 200	0	40	40	0	0	7	6
## 195	0	0	0	0	20	7	5
## 206	0	0	0	100	0	3	23



## 208	20	0	0	0	0	3	19
## 213	20	0	0	0	0	3	20
## 213.1	20	0	0	0	0	3	20
## 214	20	0	0	0	0	3	20
## 213.2	20	0	0	0	0	3	20
## 214.1	20	0	0	0	0	3	20
## 215	20	0	0	0	0	3	20
## 217	40	0	0	0	0	3	17
## 217.1	40	0	0	0	0	3	17
## 218	40	0	0	0	0	3	17
## 231	80	0	0	0	0	3	12
## 242	40	0	0	0	40	3	6
## 250	60	0	20	0	20	3	25
## 223	80	0	0	0	0	3	10
## 238	0	0	0	0	60	7	6
## 246	0	0	0	0	0	3	16
## 246.1	0	0	0	0	0	3	16
## 260	0	0	0	0	0	3	16
## 282	80	0	0	0	0	3	10
## 284	0	20	0	0	0	7	7
## 196.5	0	40	40	0	0	7	6
## 197.4	0	40	40	0	0	7	6
## 198.3	0	40	40	0	0	7	6
## 199.2	0	40	40	0	0	7	6
## 200.1	0	40	40	0	0	7	6
## 201	0	40	40	0	0	7	6
## 195.1	0	0	0	0	20	7	5
## 202	0	0	0	0	20	7	5
## 238.1	0	0	0	0	60	7	6
## 254	0	0	0	0	60	7	6
## 296	0	0	0	0	60	7	16
## 237	0	0	0	0	0	7	19
## 296.1	0	0	0	0	60	7	16
## 297	0	0	0	0	60	7	16
## 275	100	0	0	0	0	3	8
## 296.2	0	0	0	0	60	7	16
## 297.1	0	0	0	0	60	7	16
## 299	0	0	0	0	60	7	16
## 237.1	0	0	0	0	0	7	19
## 298	0	0	0	0	0	7	19
## 292	0	60	0	0	0	7	4
## 195.2	0	0	0	0	20	7	5
## 202.1	0	0	0	0	20	7	5
## 293	0	0	0	0	20	7	5
## 317	0	0	0	0	60	7	18
## 316	40	0	0	0	60	7	10
## 322	0	0	0	0	100	3	16
## 324	20	0	0	0	0	3	20
## 329	20	0	0	0	60	3	13
## 337	0	0	60	0	40	3	9
## 355	60	0	0	0	0	3	18
## 322.1	0	0	0	0	100	3	16
## 323	0	0	0	0	100	3	16
## 320	0	0	0	0	60	6	20

## 317.1	0	0	0	0	60	7	18
## 318	0	0	0	0	60	7	18
## 319	0	0	0	0	40	6	18
## 317.2	0	0	0	0	60	7	18
## 318.1	0	0	0	0	60	7	18
## 375	0	0	0	0	60	7	18
## 393	0	0	20	0	0	3	9
## 316.1	40	0	0	0	60	7	10
## 321	40	0	0	0	60	7	10
## 381	0	0	0	0	60	6	18
## 399	0	0	0	0	100	7	18
## 399.1	0	0	0	0	100	7	18
## 400	0	0	0	0	100	7	18
## 402	40	0	20	0	40	3	12
## 408	0	0	60	0	40	3	7
## 408.1	0	0	60	0	40	3	7
## 409	0	0	60	0	40	3	7
## 417	20	0	0	0	40	3	5
## 411	0	0	0	0	60	3	6
## 408.2	0	0	60	0	40	3	7
## 409.1	0	0	60	0	40	3	7
## 410	0	0	60	0	40	3	7
## 431	20	0	20	0	20	3	6
## 435	20	0	20	0	40	3	7
## 433	0	0	20	0	60	3	8
## 427	60	0	20	0	0	3	6
## 447	0	0	0	0	0	3	21
## 449	20	0	0	0	0	3	21
## 465	80	0	0	0	20	3	5
## 470	0	0	40	0	0	3	20
## 460	0	0	40	0	60	3	7
## 479	20	0	0	0	80	3	7
## 402.1	40	0	20	0	40	3	12
## 403	40	0	20	0	40	3	12
## 502	0	0	0	0	40	3	17
## 502.1	0	0	0	0	40	3	17
## 503	0	0	0	0	40	3	17
## 497	0	0	0	0	0	6	16
## 514	0	0	20	0	40	3	11
## 507	0	0	0	0	40	6	6
## 399.2	0	0	0	0	100	7	18
## 400.1	0	0	0	0	100	7	18
## 401	0	0	0	0	100	7	18
## 497.1	0	0	0	0	0	6	16
## 508	0	0	0	0	0	6	16
## 495	0	0	0	0	0	6	6
## 572	0	0	0	0	0	5	31
## 574	0	0	0	0	0	5	27
## 574.1	0	0	0	0	0	5	27
## 575	0	0	0	0	0	5	27
## 579	0	0	0	0	0	5	19
## 579.1	0	0	0	0	0	5	19
## 582	0	0	0	0	0	5	19
## 586	0	0	0	0	0	5	28

## 572.1	0	0	0	0	0	5	31
## 573	0	0	0	0	0	5	31
## 599	0	0	0	0	0	7	36
## 612	20	0	20	0	60	3	11
## 617	0	0	0	0	0	6	7
## 616	0	0	0	0	80	3	13
## 641	0	0	0	0	20	3	10
## 662	60	0	0	0	40	3	8
## 668	0	0	0	0	0	3	42
## 678	0	0	0	0	40	6	17
## 677	0	0	0	0	100	7	7
## 647	0	0	0	0	80	7	17
## 700	0	0	40	0	40	7	8
## 704	0	0	0	0	0	5	28
## 709	0	0	0	0	0	7	37
## 732	0	0	0	0	0	7	40
## 806	0	0	0	0	40	5	27
## 700.1	0	0	40	0	40	7	8
## 701	0	0	40	0	40	7	8
## 851	0	0	0	0	40	3	27
## 859	0	0	40	0	60	7	7
## 887	0	0	0	0	0	5	35
## 894	0	0	0	0	0	5	22
## 896	0	0	0	0	0	5	32
## 899	0	0	0	0	0	7	35
## 901	0	0	0	0	0	7	39
## 910	0	0	0	0	0	7	37
## 894.1	0	0	0	0	0	5	22
## 900	0	0	0	0	0	5	22
## 917	0	0	0	0	0	7	43
## 926	0	0	0	0	0	7	37
## 892	0	0	0	0	0	7	44
## 945	0	0	0	0	0	5	43
## 937	0	0	0	0	0	5	39
## 908	0	0	0	0	0	5	41
## 958	0	0	0	0	0	7	43
## 971	0	0	0	0	0	7	35
## 985	0	0	0	0	40	3	22
## 1019	60	0	40	0	0	3	8
## 1039	0	0	0	0	0	3	29
## 1017	40	0	0	0	0	3	15
## 1097	0	0	40	0	0	6	10
## 1135	0	0	0	0	60	5	28
## 1135.1	0	0	0	0	60	5	28
## 1136	0	0	0	0	60	5	28
## 1139	20	0	0	0	0	3	16
## 1139.1	20	0	0	0	0	3	16
## 1140	20	0	0	0	0	3	16
## 1145	0	0	0	0	0	5	25
## 1143	0	0	0	0	0	5	28
## 1145.1	0	0	0	0	0	5	25
## 1146	0	0	0	0	0	5	25
## 1138	0	0	0	0	0	5	26
## 1167	0	0	0	0	0	3	29

## 1173	0	0	0	0	0	3	22
## 1175	0	0	0	0	0	5	40
## 1178	0	0	0	0	0	5	38
## 1217	0	0	0	0	60	7	17
## 1211	0	0	40	0	40	6	6
## 1131	60	0	20	0	20	3	6
## 1250	0	0	0	0	100	7	17
## 1253	0	0	0	0	100	7	16
## 1268	40	0	0	0	60	3	7
## 1248	0	0	0	0	40	7	7
## 1249	60	0	0	0	40	6	7
## 1216	0	0	0	0	40	7	7
## 1216.1	0	0	0	0	40	7	7
## 1280	0	0	0	0	40	7	7
## 1266	0	0	0	0	80	3	8
## 1293	0	0	0	0	0	5	28
## 1295	0	0	0	0	0	3	35
## 1295.1	0	0	0	0	0	3	35
## 1296	0	0	0	0	0	3	35
## 1305	0	0	0	0	0	5	33
## 1308	0	0	0	0	0	3	23
## 1308.1	0	0	0	0	0	3	23
## 1309	0	0	0	0	0	3	23
## 1311	0	0	0	0	0	3	24
## 1315	0	0	0	0	0	3	21
## 1315.1	0	0	0	0	0	3	21
## 1316	0	0	0	0	0	3	21
## 1318	0	0	0	0	0	5	31
## 1320	0	0	0	0	20	5	32
## 1315.2	0	0	0	0	0	3	21
## 1316.1	0	0	0	0	0	3	21
## 1317	0	0	0	0	0	3	21
## 1327	0	0	0	0	0	3	29
## 1341	40	0	0	0	0	5	19
## 1345	0	0	0	0	0	5	22
## 1350	0	0	0	0	60	5	12
## 1408	0	0	0	0	60	3	15
## 1438	0	0	0	0	20	7	8
## 1443	0	0	0	0	80	7	10
## 1443.1	0	0	0	0	80	7	10
## 1444	0	0	0	0	80	7	10
## 1290	0	0	0	0	20	6	6
## 1465	0	0	0	0	20	6	7
## 1474	0	0	0	0	60	3	10
## 1474.1	0	0	0	0	60	3	10
## 1475	0	0	0	0	60	3	10
## 1485	80	0	0	0	20	3	13
## 1503	0	0	20	0	40	6	6
## 1506	0	0	80	0	20	6	6
## 1509	0	0	0	0	100	3	18
## 1533	0	0	0	0	40	5	31
## 1533.1	0	0	0	0	40	5	31
## 1534	0	0	0	0	40	5	31
## 1533.2	0	0	0	0	40	5	31

## 1534.1	0	0	0	0	40	5	31
## 1537	0	0	0	0	40	5	31
## 1533.3	0	0	0	0	40	5	31
## 1534.2	0	0	0	0	40	5	31
## 1537.1	0	0	0	0	40	5	31
## 1539	0	0	0	0	40	5	31
## 1545	0	0	0	0	80	5	16
## 1545.1	0	0	0	0	80	5	16
## 1546	0	0	0	0	80	5	16
## 1548	0	0	0	0	20	5	32
## 1552	0	0	0	0	0	3	30
## 1552.1	0	0	0	0	0	3	30
## 1557	0	0	0	0	0	3	30
## 1571	0	0	0	0	40	6	21
## 1580	0	0	0	0	0	3	30
## 1570	0	0	0	0	60	6	22
## 1584	0	0	0	0	0	3	29
## 1584.1	0	0	0	0	0	3	29
## 1606	0	0	0	0	0	3	29
## 1609	0	0	0	0	100	6	20
## 1612	0	0	0	0	20	3	21
## 1624	0	0	0	0	0	3	23
## 1629	0	40	0	0	0	3	22
## 1631	0	0	0	0	0	3	27
## 1642	0	0	0	0	60	7	38
## 1663	0	0	0	0	20	7	35
## 1702	60	0	0	0	20	3	21
## 1700	0	0	0	0	80	3	21
## 1719	0	0	0	0	40	6	18
## 1719.1	0	0	0	0	40	6	18
## 1720	0	0	0	0	40	6	18
## 1731	0	0	0	0	60	6	7
## 1742	20	20	60	0	0	6	7
## 1698	0	0	40	0	40	7	7
## 1749	40	0	20	0	20	7	7
## 1741	0	0	0	0	0	6	6
## 1768	0	0	20	0	60	3	19
## 1807	0	0	0	0	80	7	7
## 1771	0	0	0	0	80	7	7
## 1814	0	0	0	0	0	3	42
## 1830	0	0	0	0	0	3	27
## 1848	0	0	0	0	20	5	20
## 1853	0	0	0	0	20	3	29
## 1863	0	0	0	0	0	3	29
## 1862	0	40	0	0	0	3	24
## 1862.1	0	40	0	0	0	3	24
## 1867	0	40	0	0	0	3	24
## 1865	0	0	0	0	0	3	14
## 1862.2	0	40	0	0	0	3	24
## 1867.1	0	40	0	0	0	3	24
## 1868	0	40	0	0	0	3	24
## 1862.3	0	40	0	0	0	3	24
## 1867.2	0	40	0	0	0	3	24
## 1868.1	0	40	0	0	0	3	24

## 1872	0	40	0	0	0	3	24
## 1879	0	0	0	0	0	5	41
## 1911	0	0	40	0	20	7	7
## 1952	0	40	60	0	0	7	7
## 1954	60	0	0	0	40	7	7
## 1973	80	0	20	0	0	3	9
## 1989	0	0	0	0	0	3	26
## 1994	0	0	0	0	100	3	12
## 1996	20	0	0	0	80	3	12
## 1998	0	0	0	0	0	3	39
## 1998.1	0	0	0	0	0	3	39
## 1999	0	0	0	0	0	3	39
## 2001	40	0	0	0	60	3	15
## 2021	60	0	0	0	0	3	16
## 2015	40	0	20	0	20	3	16
## 2029	0	0	0	0	100	5	25
## 2034	0	0	0	0	20	5	15
## 2039	0	0	0	0	0	3	21
## 2045	0	0	0	0	0	3	12
## 2064	0	0	0	0	0	3	30
## 2062	0	0	0	0	0	3	26
## 2069	0	0	0	0	0	3	29
## 2064.1	0	0	0	0	0	3	30
## 2070	0	0	0	0	0	3	30
## 2101	0	0	0	0	40	7	5
## 2110	0	0	60	0	40	7	6
## 2113	0	0	0	0	0	7	23
## 2131	0	0	80	0	0	7	16
## 2131.1	0	0	80	0	0	7	16
## 2132	0	0	80	0	0	7	16
## 2135	0	0	40	0	60	6	13
## 2145	0	0	40	0	20	7	8
## 2153	0	0	40	0	20	7	6
## 2162	100	0	0	0	0	3	5
## 2162.1	100	0	0	0	0	3	5
## 2163	100	0	0	0	0	3	5
## 2168	40	0	0	0	60	3	14
## 2168.1	40	0	0	0	60	3	14
## 2169	40	0	0	0	60	3	14
## 2179	0	0	0	0	100	3	9
## 2178	0	0	0	0	100	3	14
## 2182	0	0	20	0	80	3	14
## 2162.2	100	0	0	0	0	3	5
## 2163.1	100	0	0	0	0	3	5
## 2164	100	0	0	0	0	3	5
## 2187	0	0	0	0	100	3	15
## 2162.3	100	0	0	0	0	3	5
## 2163.2	100	0	0	0	0	3	5
## 2164.1	100	0	0	0	0	3	5
## 2184	100	0	0	0	0	3	5
## 2174	0	0	0	0	100	3	8
## 2179.1	0	0	0	0	100	3	9
## 2180	0	0	0	0	100	3	9
## 2212	0	0	0	100	0	3	5

## 2229	100	0	0	0	0	3	11
## 2229.1	100	0	0	0	0	3	11
## 2230	100	0	0	0	0	3	11
## 2237	60	0	20	0	20	3	5
## 2247	0	0	0	0	0	6	8
## 2252	20	0	0	0	60	5	21
## 2275	0	0	0	0	20	3	32
## 2282	0	0	0	0	60	5	39
## 2273	0	0	0	0	80	5	38
## 2273.1	0	0	0	0	80	5	38
## 2285	0	0	0	0	80	5	38
## 2287	0	0	0	0	0	5	28
## 2292	0	0	0	0	0	3	32
## 2297	0	0	0	0	0	3	25
## 2300	0	0	0	0	0	3	29
## 2302	0	0	0	0	100	5	34
## 2308	0	0	0	0	40	5	32
## 2308.1	0	0	0	0	40	5	32
## 2309	0	0	0	0	40	5	32
## 2323	0	0	0	0	0	7	37
## 2339	0	0	0	0	0	7	30
## 2357	0	0	40	0	0	7	6
## 2360	0	0	80	0	0	7	6
## 2349	0	0	0	0	40	7	6
## 2367	0	0	60	0	0	7	9
## 2366	0	0	80	0	0	7	5
## 2380	0	0	40	0	20	7	8
## 2418	0	0	40	0	60	7	7
## 2433	0	0	40	0	40	7	7
## 2442	0	0	100	0	0	7	6
## 2450	0	0	0	0	100	7	6
## 2463	60	0	0	0	20	3	8
## 2480	0	0	0	100	0	3	5
## 2493	80	0	0	0	0	3	5
## 2504	20	0	0	0	80	3	7
## 2508	80	0	20	0	0	3	5
## 2512	0	0	0	0	100	3	7
## 2525	0	0	0	0	20	5	14
## 2533	0	0	0	100	0	5	14
## 2541	0	0	0	0	0	5	45
## 2548	0	0	0	0	0	5	42
## 2556	0	0	0	0	0	5	32
## 2568	0	0	0	0	20	5	45
## 2574	0	0	0	0	0	7	40
## 2573	0	0	0	0	0	7	37
## 2574.1	0	0	0	0	0	7	40
## 2575	0	0	0	0	0	7	40
## 2585	0	0	0	0	0	7	39
## 2574.2	0	0	0	0	0	7	40
## 2575.1	0	0	0	0	0	7	40
## 2579	0	0	0	0	0	7	40
## 2574.3	0	0	0	0	0	7	40
## 2575.2	0	0	0	0	0	7	40
## 2579.1	0	0	0	0	0	7	40

## 2591	0	0	0	0	0	7	40
## 2574.4	0	0	0	0	0	7	40
##	lasmod3a	opisre3a	px1wcl3a	px2wcl3a	px3wcl3a	px4wcl3a	slpsrt3a
## 3	11	1570	192	299	294	156	2
## 3.1	11	1570	192	299	294	156	2
## 4	11	1570	192	299	294	156	2
## 2	7	1560	171	264	259	149	2
## 11	23	1566	163	266	219	131	1
## 11.1	23	1566	163	266	219	131	1
## 12	23	1566	163	266	219	131	1
## 11.2	23	1566	163	266	219	131	1
## 12.1	23	1566	163	266	219	131	1
## 13	23	1566	163	266	219	131	1
## 11.3	23	1566	163	266	219	131	1
## 12.2	23	1566	163	266	219	131	1
## 13.1	23	1566	163	266	219	131	1
## 14	23	1566	163	266	219	131	1
## 11.4	23	1566	163	266	219	131	1
## 12.3	23	1566	163	266	219	131	1
## 13.2	23	1566	163	266	219	131	1
## 14.1	23	1566	163	266	219	131	1
## 15	23	1566	163	266	219	131	1
## 17	23	1566	170	274	223	129	2
## 11.5	23	1566	163	266	219	131	1
## 12.4	23	1566	163	266	219	131	1
## 13.3	23	1566	163	266	219	131	1
## 14.2	23	1566	163	266	219	131	1
## 15.1	23	1566	163	266	219	131	1
## 16	23	1566	163	266	219	131	1
## 17.1	23	1566	170	274	223	129	2
## 18	23	1566	170	274	223	129	2
## 17.2	23	1566	170	274	223	129	2
## 18.1	23	1566	170	274	223	129	2
## 21	23	1566	170	274	223	129	2
## 17.3	23	1566	170	274	223	129	2
## 18.2	23	1566	170	274	223	129	2
## 21.1	23	1566	170	274	223	129	2
## 22	23	1566	170	274	223	129	2
## 17.4	23	1566	170	274	223	129	2
## 18.3	23	1566	170	274	223	129	2
## 21.2	23	1566	170	274	223	129	2
## 22.1	23	1566	170	274	223	129	2
## 23	23	1566	170	274	223	129	2
## 17.5	23	1566	170	274	223	129	2
## 18.4	23	1566	170	274	223	129	2
## 21.3	23	1566	170	274	223	129	2
## 22.2	23	1566	170	274	223	129	2
## 23.1	23	1566	170	274	223	129	2
## 24	23	1566	170	274	223	129	2
## 17.6	23	1566	170	274	223	129	2
## 18.5	23	1566	170	274	223	129	2
## 21.4	23	1566	170	274	223	129	2
## 22.3	23	1566	170	274	223	129	2
## 23.2	23	1566	170	274	223	129	2



## 24.1	23	1566	170	274	223	129	2
## 25	23	1566	170	274	223	129	2
## 17.7	23	1566	170	274	223	129	2
## 18.6	23	1566	170	274	223	129	2
## 21.5	23	1566	170	274	223	129	2
## 22.4	23	1566	170	274	223	129	2
## 23.3	23	1566	170	274	223	129	2
## 24.2	23	1566	170	274	223	129	2
## 25.1	23	1566	170	274	223	129	2
## 26	23	1566	170	274	223	129	2
## 17.8	23	1566	170	274	223	129	2
## 18.7	23	1566	170	274	223	129	2
## 21.6	23	1566	170	274	223	129	2
## 22.5	23	1566	170	274	223	129	2
## 23.4	23	1566	170	274	223	129	2
## 24.3	23	1566	170	274	223	129	2
## 25.2	23	1566	170	274	223	129	2
## 26.1	23	1566	170	274	223	129	2
## 27	23	1566	170	274	223	129	2
## 17.9	23	1566	170	274	223	129	2
## 18.8	23	1566	170	274	223	129	2
## 21.7	23	1566	170	274	223	129	2
## 22.6	23	1566	170	274	223	129	2
## 23.5	23	1566	170	274	223	129	2
## 24.4	23	1566	170	274	223	129	2
## 25.3	23	1566	170	274	223	129	2
## 26.2	23	1566	170	274	223	129	2
## 27.1	23	1566	170	274	223	129	2
## 28	23	1566	170	274	223	129	2
## 17.10	23	1566	170	274	223	129	2
## 18.9	23	1566	170	274	223	129	2
## 21.8	23	1566	170	274	223	129	2
## 22.7	23	1566	170	274	223	129	2
## 23.6	23	1566	170	274	223	129	2
## 24.5	23	1566	170	274	223	129	2
## 25.4	23	1566	170	274	223	129	2
## 26.3	23	1566	170	274	223	129	2
## 27.2	23	1566	170	274	223	129	2
## 28.1	23	1566	170	274	223	129	2
## 29	23	1566	170	274	223	129	2
## 17.11	23	1566	170	274	223	129	2
## 18.10	23	1566	170	274	223	129	2
## 21.9	23	1566	170	274	223	129	2
## 22.8	23	1566	170	274	223	129	2
## 23.7	23	1566	170	274	223	129	2
## 24.6	23	1566	170	274	223	129	2
## 25.5	23	1566	170	274	223	129	2
## 26.4	23	1566	170	274	223	129	2
## 27.3	23	1566	170	274	223	129	2
## 28.2	23	1566	170	274	223	129	2
## 29.1	23	1566	170	274	223	129	2
## 30	23	1566	170	274	223	129	2
## 17.12	23	1566	170	274	223	129	2
## 18.11	23	1566	170	274	223	129	2

## 21.10	23	1566	170	274	223	129	2
## 22.9	23	1566	170	274	223	129	2
## 23.8	23	1566	170	274	223	129	2
## 24.7	23	1566	170	274	223	129	2
## 25.6	23	1566	170	274	223	129	2
## 26.5	23	1566	170	274	223	129	2
## 27.4	23	1566	170	274	223	129	2
## 28.3	23	1566	170	274	223	129	2
## 29.2	23	1566	170	274	223	129	2
## 30.1	23	1566	170	274	223	129	2
## 31	23	1566	170	274	223	129	2
## 17.13	23	1566	170	274	223	129	2
## 18.12	23	1566	170	274	223	129	2
## 21.11	23	1566	170	274	223	129	2
## 22.10	23	1566	170	274	223	129	2
## 23.9	23	1566	170	274	223	129	2
## 24.8	23	1566	170	274	223	129	2
## 25.7	23	1566	170	274	223	129	2
## 26.6	23	1566	170	274	223	129	2
## 27.5	23	1566	170	274	223	129	2
## 28.4	23	1566	170	274	223	129	2
## 29.3	23	1566	170	274	223	129	2
## 30.2	23	1566	170	274	223	129	2
## 31.1	23	1566	170	274	223	129	2
## 32	23	1566	170	274	223	129	2
## 17.14	23	1566	170	274	223	129	2
## 18.13	23	1566	170	274	223	129	2
## 21.12	23	1566	170	274	223	129	2
## 22.11	23	1566	170	274	223	129	2
## 23.10	23	1566	170	274	223	129	2
## 24.9	23	1566	170	274	223	129	2
## 25.8	23	1566	170	274	223	129	2
## 26.7	23	1566	170	274	223	129	2
## 27.6	23	1566	170	274	223	129	2
## 28.5	23	1566	170	274	223	129	2
## 29.4	23	1566	170	274	223	129	2
## 30.3	23	1566	170	274	223	129	2
## 31.2	23	1566	170	274	223	129	2
## 32.1	23	1566	170	274	223	129	2
## 33	23	1566	170	274	223	129	2
## 17.15	23	1566	170	274	223	129	2
## 18.14	23	1566	170	274	223	129	2
## 21.13	23	1566	170	274	223	129	2
## 22.12	23	1566	170	274	223	129	2
## 23.11	23	1566	170	274	223	129	2
## 24.10	23	1566	170	274	223	129	2
## 25.9	23	1566	170	274	223	129	2
## 26.8	23	1566	170	274	223	129	2
## 27.7	23	1566	170	274	223	129	2
## 28.6	23	1566	170	274	223	129	2
## 29.5	23	1566	170	274	223	129	2
## 30.4	23	1566	170	274	223	129	2
## 31.3	23	1566	170	274	223	129	2
## 32.2	23	1566	170	274	223	129	2

## 33.1	23	1566	170	274	223	129	2
## 34	23	1566	170	274	223	129	2
## 17.16	23	1566	170	274	223	129	2
## 18.15	23	1566	170	274	223	129	2
## 21.14	23	1566	170	274	223	129	2
## 22.13	23	1566	170	274	223	129	2
## 23.12	23	1566	170	274	223	129	2
## 24.11	23	1566	170	274	223	129	2
## 25.10	23	1566	170	274	223	129	2
## 26.9	23	1566	170	274	223	129	2
## 27.8	23	1566	170	274	223	129	2
## 28.7	23	1566	170	274	223	129	2
## 29.6	23	1566	170	274	223	129	2
## 30.5	23	1566	170	274	223	129	2
## 31.4	23	1566	170	274	223	129	2
## 32.3	23	1566	170	274	223	129	2
## 33.2	23	1566	170	274	223	129	2
## 34.1	23	1566	170	274	223	129	2
## 35	23	1566	170	274	223	129	2
## 17.17	23	1566	170	274	223	129	2
## 18.16	23	1566	170	274	223	129	2
## 21.15	23	1566	170	274	223	129	2
## 22.14	23	1566	170	274	223	129	2
## 23.13	23	1566	170	274	223	129	2
## 24.12	23	1566	170	274	223	129	2
## 25.11	23	1566	170	274	223	129	2
## 26.10	23	1566	170	274	223	129	2
## 27.9	23	1566	170	274	223	129	2
## 28.8	23	1566	170	274	223	129	2
## 29.7	23	1566	170	274	223	129	2
## 30.6	23	1566	170	274	223	129	2
## 31.5	23	1566	170	274	223	129	2
## 32.4	23	1566	170	274	223	129	2
## 33.3	23	1566	170	274	223	129	2
## 34.2	23	1566	170	274	223	129	2
## 35.1	23	1566	170	274	223	129	2
## 36	23	1566	170	274	223	129	2
## 17.18	23	1566	170	274	223	129	2
## 18.17	23	1566	170	274	223	129	2
## 21.16	23	1566	170	274	223	129	2
## 22.15	23	1566	170	274	223	129	2
## 23.14	23	1566	170	274	223	129	2
## 24.13	23	1566	170	274	223	129	2
## 25.12	23	1566	170	274	223	129	2
## 26.11	23	1566	170	274	223	129	2
## 27.10	23	1566	170	274	223	129	2
## 28.9	23	1566	170	274	223	129	2
## 29.8	23	1566	170	274	223	129	2
## 30.7	23	1566	170	274	223	129	2
## 31.6	23	1566	170	274	223	129	2
## 32.5	23	1566	170	274	223	129	2
## 33.4	23	1566	170	274	223	129	2
## 34.3	23	1566	170	274	223	129	2
## 35.2	23	1566	170	274	223	129	2

## 36.1	23	1566	170	274	223	129	2
## 37	23	1566	170	274	223	129	2
## 17.19	23	1566	170	274	223	129	2
## 18.18	23	1566	170	274	223	129	2
## 21.17	23	1566	170	274	223	129	2
## 22.16	23	1566	170	274	223	129	2
## 23.15	23	1566	170	274	223	129	2
## 24.14	23	1566	170	274	223	129	2
## 25.13	23	1566	170	274	223	129	2
## 26.12	23	1566	170	274	223	129	2
## 27.11	23	1566	170	274	223	129	2
## 28.10	23	1566	170	274	223	129	2
## 29.9	23	1566	170	274	223	129	2
## 30.8	23	1566	170	274	223	129	2
## 31.7	23	1566	170	274	223	129	2
## 32.6	23	1566	170	274	223	129	2
## 33.5	23	1566	170	274	223	129	2
## 34.4	23	1566	170	274	223	129	2
## 35.3	23	1566	170	274	223	129	2
## 36.2	23	1566	170	274	223	129	2
## 37.1	23	1566	170	274	223	129	2
## 38	23	1566	170	274	223	129	2
## 17.20	23	1566	170	274	223	129	2
## 18.19	23	1566	170	274	223	129	2
## 21.18	23	1566	170	274	223	129	2
## 22.17	23	1566	170	274	223	129	2
## 23.16	23	1566	170	274	223	129	2
## 24.15	23	1566	170	274	223	129	2
## 25.14	23	1566	170	274	223	129	2
## 26.13	23	1566	170	274	223	129	2
## 27.12	23	1566	170	274	223	129	2
## 28.11	23	1566	170	274	223	129	2
## 29.10	23	1566	170	274	223	129	2
## 30.9	23	1566	170	274	223	129	2
## 31.8	23	1566	170	274	223	129	2
## 32.7	23	1566	170	274	223	129	2
## 33.6	23	1566	170	274	223	129	2
## 34.5	23	1566	170	274	223	129	2
## 35.4	23	1566	170	274	223	129	2
## 36.3	23	1566	170	274	223	129	2
## 37.2	23	1566	170	274	223	129	2
## 38.1	23	1566	170	274	223	129	2
## 39	23	1566	170	274	223	129	2
## 17.21	23	1566	170	274	223	129	2
## 18.20	23	1566	170	274	223	129	2
## 21.19	23	1566	170	274	223	129	2
## 22.18	23	1566	170	274	223	129	2
## 23.17	23	1566	170	274	223	129	2
## 24.16	23	1566	170	274	223	129	2
## 25.15	23	1566	170	274	223	129	2
## 26.14	23	1566	170	274	223	129	2
## 27.13	23	1566	170	274	223	129	2
## 28.12	23	1566	170	274	223	129	2
## 29.11	23	1566	170	274	223	129	2

## 30.10	23	1566	170	274	223	129	2
## 31.9	23	1566	170	274	223	129	2
## 32.8	23	1566	170	274	223	129	2
## 33.7	23	1566	170	274	223	129	2
## 34.6	23	1566	170	274	223	129	2
## 35.5	23	1566	170	274	223	129	2
## 36.4	23	1566	170	274	223	129	2
## 37.3	23	1566	170	274	223	129	2
## 38.2	23	1566	170	274	223	129	2
## 39.1	23	1566	170	274	223	129	2
## 41	23	1566	170	274	223	129	2
## 10	14	1563	165	264	248	143	1
## 50	21	1565	203	286	266	174	2
## 51	20	1566	193	279	264	168	5
## 58	21	1552	186	271	262	164	14
## 44	23	1569	160	272	232	128	1
## 49	23	1567	165	269	228	136	1
## 9	24	1567	151	243	186	96	1
## 58.1	21	1552	186	271	262	164	14
## 59	21	1552	186	271	262	164	14
## 74	23	1561	182	276	208	122	5
## 76	11	1564	183	290	246	156	2
## 88	21	1565	201	306	265	176	10
## 83	23	1563	193	297	257	169	4
## 89	21	1565	207	318	272	177	6
## 79	23	1564	196	303	252	159	5
## 76.1	11	1564	183	290	246	156	2
## 77	11	1564	183	290	246	156	2
## 73	21	1557	203	304	262	180	3
## 72	6	1564	213	314	268	185	6
## 71	21	1562	195	298	259	173	4
## 96	23	1563	176	273	242	154	2
## 74.1	23	1561	182	276	208	122	5
## 75	23	1561	182	276	208	122	5
## 104	3	1552	67	125	51	19	5
## 119	6	1552	105	212	118	49	6
## 129	2	1551	133	153	137	113	60
## 128	9	1543	97	95	62	69	4
## 122	6	1537	99	97	59	68	10
## 142	26	1541	86	145	64	21	12
## 150	8	1550	159	244	135	63	1
## 121	6	1532	123	198	119	57	1
## 167	24	1538	136	222	137	69	7
## 121.1	6	1532	123	198	119	57	1
## 154	6	1532	123	198	119	57	1
## 142.1	26	1541	86	145	64	21	12
## 146	26	1541	86	145	64	21	12
## 119.1	6	1552	105	212	118	49	6
## 120	6	1552	105	212	118	49	6
## 177	22	1562	214	313	258	183	5
## 174	6	1525	101	189	104	45	11
## 175	7	1562	106	208	107	43	4
## 176	5	1550	83	172	88	35	15
## 135	23	1476	285	300	212	215	17

## 169	24	1546	149	224	139	69	5
## 196	7	1537	102	205	103	39	10
## 196.1	7	1537	102	205	103	39	10
## 197	7	1537	102	205	103	39	10
## 196.2	7	1537	102	205	103	39	10
## 197.1	7	1537	102	205	103	39	10
## 198	7	1537	102	205	103	39	10
## 196.3	7	1537	102	205	103	39	10
## 197.2	7	1537	102	205	103	39	10
## 198.1	7	1537	102	205	103	39	10
## 199	7	1537	102	205	103	39	10
## 196.4	7	1537	102	205	103	39	10
## 197.3	7	1537	102	205	103	39	10
## 198.2	7	1537	102	205	103	39	10
## 199.1	7	1537	102	205	103	39	10
## 200	7	1537	102	205	103	39	10
## 195	6	1558	109	220	120	49	6
## 206	23	1474	93	108	96	81	53
## 208	20	1517	92	106	93	78	36
## 213	22	1484	95	114	103	89	39
## 213.1	22	1484	95	114	103	89	39
## 214	22	1484	95	114	103	89	39
## 213.2	22	1484	95	114	103	89	39
## 214.1	22	1484	95	114	103	89	39
## 215	22	1484	95	114	103	89	39
## 217	20	1496	94	111	106	86	60
## 217.1	20	1496	94	111	106	86	60
## 218	20	1496	94	111	106	86	60
## 231	10	1504	95	103	51	57	30
## 242	4	1567	104	115	88	78	10
## 250	22	1532	95	103	77	74	14
## 223	8	1552	82	91	63	57	21
## 238	8	1557	120	242	143	64	7
## 246	10	1479	101	106	45	57	47
## 246.1	10	1479	101	106	45	57	47
## 260	10	1479	101	106	45	57	47
## 282	5	1531	94	105	85	77	16
## 284	5	1537	134	237	142	71	4
## 196.5	7	1537	102	205	103	39	10
## 197.4	7	1537	102	205	103	39	10
## 198.3	7	1537	102	205	103	39	10
## 199.2	7	1537	102	205	103	39	10
## 200.1	7	1537	102	205	103	39	10
## 201	7	1537	102	205	103	39	10
## 195.1	6	1558	109	220	120	49	6
## 202	6	1558	109	220	120	49	6
## 238.1	8	1557	120	242	143	64	7
## 254	8	1557	120	242	143	64	7
## 296	23	1563	124	250	145	64	11
## 237	25	1569	118	236	136	60	7
## 296.1	23	1563	124	250	145	64	11
## 297	23	1563	124	250	145	64	11
## 275	6	1523	105	118	79	72	36
## 296.2	23	1563	124	250	145	64	11

## 297.1	23	1563	124	250	145	64	11
## 299	23	1563	124	250	145	64	11
## 237.1	25	1569	118	236	136	60	7
## 298	25	1569	118	236	136	60	7
## 292	5	1561	132	265	158	71	3
## 195.2	6	1558	109	220	120	49	6
## 202.1	6	1558	109	220	120	49	6
## 293	6	1558	109	220	120	49	6
## 317	22	1509	181	347	178	81	7
## 316	7	1518	139	254	146	69	4
## 322	5	1420	106	112	55	68	20
## 324	24	1386	84	100	115	93	59
## 329	6	1492	68	74	38	47	49
## 337	4	1528	89	95	53	60	6
## 355	13	1515	94	103	64	66	3
## 322.1	5	1420	106	112	55	68	20
## 323	5	1420	106	112	55	68	20
## 320	23	1548	162	322	152	59	17
## 317.1	22	1509	181	347	178	81	7
## 318	22	1509	181	347	178	81	7
## 319	22	1541	178	351	164	66	9
## 317.2	22	1509	181	347	178	81	7
## 318.1	22	1509	181	347	178	81	7
## 375	22	1509	181	347	178	81	7
## 393	4	1439	71	81	34	44	47
## 316.1	7	1518	139	254	146	69	4
## 321	7	1518	139	254	146	69	4
## 381	21	1546	160	315	149	59	7
## 399	24	1565	116	248	113	42	2
## 399.1	24	1565	116	248	113	42	2
## 400	24	1565	116	248	113	42	2
## 402	7	1417	60	74	59	55	34
## 408	4	1418	48	60	39	43	23
## 408.1	4	1418	48	60	39	43	23
## 409	4	1418	48	60	39	43	23
## 417	3	1464	47	60	35	44	24
## 411	3	1470	46	58	35	43	36
## 408.2	4	1418	48	60	39	43	23
## 409.1	4	1418	48	60	39	43	23
## 410	4	1418	48	60	39	43	23
## 431	4	1503	61	73	48	49	52
## 435	5	1460	63	76	53	53	56
## 433	5	1477	53	66	42	45	59
## 427	4	1522	93	101	51	57	29
## 447	25	1422	92	110	120	102	42
## 449	23	1397	92	111	126	104	59
## 465	3	1501	59	74	37	42	43
## 470	20	1488	93	103	59	62	56
## 460	4	1453	49	59	37	42	49
## 479	3	1448	58	71	44	52	17
## 402.1	7	1417	60	74	59	55	34
## 403	7	1417	60	74	59	55	34
## 502	7	1500	67	85	39	44	38
## 502.1	7	1500	67	85	39	44	38

## 503	7	1500	67	85	39	44	38
## 497	22	1528	201	385	191	93	15
## 514	6	1437	58	72	38	43	48
## 507	6	1519	198	379	190	93	9
## 399.2	24	1565	116	248	113	42	2
## 400.1	24	1565	116	248	113	42	2
## 401	24	1565	116	248	113	42	2
## 497.1	22	1528	201	385	191	93	15
## 508	22	1528	201	385	191	93	15
## 495	7	1535	222	418	195	100	38
## 572	26	1501	172	203	277	217	5
## 574	26	1536	196	229	309	242	6
## 574.1	26	1536	196	229	309	242	6
## 575	26	1536	196	229	309	242	6
## 579	24	1440	216	246	302	245	56
## 579.1	24	1440	216	246	302	245	56
## 582	24	1440	216	246	302	245	56
## 586	26	1499	174	205	278	219	16
## 572.1	26	1501	172	203	277	217	5
## 573	26	1501	172	203	277	217	5
## 599	27	1564	245	309	355	271	3
## 612	4	1510	92	111	54	63	5
## 617	6	1548	224	447	191	98	7
## 616	8	1416	61	75	39	44	19
## 641	5	1514	88	107	45	55	28
## 662	4	1475	92	111	53	63	27
## 668	24	1499	237	320	128	104	32
## 678	22	1545	250	483	190	109	6
## 677	6	1568	185	399	160	54	2
## 647	20	1566	181	399	140	44	2
## 700	9	1542	94	224	79	24	4
## 704	25	1559	204	242	335	255	9
## 709	25	1549	208	248	298	231	8
## 732	25	1561	222	265	311	240	9
## 806	26	1522	233	429	160	100	5
## 700.1	9	1542	94	224	79	24	4
## 701	9	1542	94	224	79	24	4
## 851	24	1538	108	159	68	73	42
## 859	6	1567	184	418	116	31	1
## 887	25	1517	207	248	296	226	40
## 894	24	1569	269	317	413	310	32
## 896	25	1534	219	262	354	264	45
## 899	24	1533	213	254	302	231	11
## 901	26	1526	216	258	301	230	13
## 910	26	1537	216	258	316	239	26
## 894.1	24	1569	269	317	413	310	32
## 900	24	1569	269	317	413	310	32
## 917	25	1560	226	270	312	239	2
## 926	26	1550	216	259	305	234	9
## 892	24	1552	218	260	308	235	10
## 945	25	1542	215	258	318	239	5
## 937	24	1539	215	258	318	238	16
## 908	25	1544	208	250	319	239	7
## 958	25	1568	239	285	327	248	1



## 971	26	1566	254	309	342	274	2
## 985	24	1526	192	329	139	96	26
## 1019	4	1497	91	138	53	58	29
## 1039	25	1526	200	356	151	99	26
## 1017	7	1555	99	150	49	56	39
## 1097	11	1564	328	666	258	147	9
## 1135	25	1527	236	460	156	82	22
## 1135.1	25	1527	236	460	156	82	22
## 1136	25	1527	236	460	156	82	22
## 1139	22	1587	207	377	142	106	6
## 1139.1	22	1587	207	377	142	106	6
## 1140	22	1587	207	377	142	106	6
## 1145	25	1543	245	490	172	89	15
## 1143	26	1543	243	482	169	89	16
## 1145.1	25	1543	245	490	172	89	15
## 1146	25	1543	245	490	172	89	15
## 1138	24	1538	243	483	168	87	21
## 1167	27	1461	212	272	327	245	62
## 1173	23	1560	291	347	426	320	18
## 1175	26	1544	224	268	330	246	13
## 1178	26	1541	222	266	338	251	18
## 1217	22	1541	70	177	45	13	31
## 1211	5	1552	134	306	78	22	5
## 1131	3	1547	72	116	43	57	17
## 1250	22	1553	52	147	37	11	15
## 1253	20	1554	48	138	32	10	15
## 1268	3	1524	55	89	35	47	10
## 1248	5	1566	202	447	115	30	1
## 1249	6	1568	215	476	127	36	1
## 1216	7	1522	69	179	44	13	9
## 1216.1	7	1522	69	179	44	13	9
## 1280	7	1522	69	179	44	13	9
## 1266	4	1521	66	102	39	52	26
## 1293	27	1520	211	377	122	66	23
## 1295	26	1467	192	349	129	96	25
## 1295.1	26	1467	192	349	129	96	25
## 1296	26	1467	192	349	129	96	25
## 1305	26	1477	215	395	128	69	16
## 1308	26	1515	159	279	96	89	16
## 1308.1	26	1515	159	279	96	89	16
## 1309	26	1515	159	279	96	89	16
## 1311	25	1515	184	332	118	96	16
## 1315	24	1490	181	324	115	94	45
## 1315.1	24	1490	181	324	115	94	45
## 1316	24	1490	181	324	115	94	45
## 1318	25	1486	218	404	131	70	24
## 1320	26	1484	219	418	135	71	10
## 1315.2	24	1490	181	324	115	94	45
## 1316.1	24	1490	181	324	115	94	45
## 1317	24	1490	181	324	115	94	45
## 1327	26	1475	207	365	137	92	17
## 1341	23	1541	230	446	139	68	13
## 1345	24	1542	218	423	126	61	14
## 1350	12	1544	231	455	142	65	39

## 1408	5	1523	101	147	57	75	40
## 1438	8	1541	46	131	24	7	13
## 1443	10	1522	50	136	26	8	20
## 1443.1	10	1522	50	136	26	8	20
## 1444	10	1522	50	136	26	8	20
## 1290	6	1545	60	154	30	8	11
## 1465	6	1552	140	309	80	28	12
## 1474	3	1504	108	161	61	85	54
## 1474.1	3	1504	108	161	61	85	54
## 1475	3	1504	108	161	61	85	54
## 1485	8	1526	90	125	103	90	46
## 1503	6	1568	229	505	148	50	2
## 1506	5	1565	197	435	120	38	2
## 1509	9	1501	114	166	67	77	18
## 1533	24	1502	216	434	140	67	17
## 1533.1	24	1502	216	434	140	67	17
## 1534	24	1502	216	434	140	67	17
## 1533.2	24	1502	216	434	140	67	17
## 1534.1	24	1502	216	434	140	67	17
## 1537	24	1502	216	434	140	67	17
## 1533.3	24	1502	216	434	140	67	17
## 1534.2	24	1502	216	434	140	67	17
## 1537.1	24	1502	216	434	140	67	17
## 1539	24	1502	216	434	140	67	17
## 1545	11	1509	216	427	131	62	19
## 1545.1	11	1509	216	427	131	62	19
## 1546	11	1509	216	427	131	62	19
## 1548	24	1512	214	423	130	61	17
## 1552	26	1528	217	371	123	72	17
## 1552.1	26	1528	217	371	123	72	17
## 1557	26	1528	217	371	123	72	17
## 1571	24	1549	214	493	154	64	4
## 1580	27	1401	98	134	111	109	68
## 1570	25	1540	212	493	155	65	2
## 1584	24	1390	98	121	103	101	65
## 1584.1	24	1390	98	121	103	101	65
## 1606	24	1390	98	121	103	101	65
## 1609	24	1543	204	491	154	63	15
## 1612	24	1566	209	383	118	85	14
## 1624	24	1475	147	223	260	187	34
## 1629	24	1460	157	240	289	203	34
## 1631	27	1463	164	249	301	211	28
## 1642	25	1567	273	299	297	249	2
## 1663	26	1569	260	296	310	260	0
## 1702	11	1520	115	133	51	77	12
## 1700	8	1534	135	171	70	92	13
## 1719	23	1567	220	490	145	57	1
## 1719.1	23	1567	220	490	145	57	1
## 1720	23	1567	220	490	145	57	1
## 1731	8	1561	151	339	87	34	14
## 1742	6	1534	56	147	25	7	19
## 1698	7	1565	182	437	112	42	3
## 1749	6	1545	57	147	26	8	8
## 1741	6	1534	54	143	26	8	11

## 1768	6	1512	141	187	74	97	17
## 1807	6	1557	40	118	18	5	8
## 1771	7	1569	40	116	18	5	2
## 1814	23	1399	190	341	113	78	5
## 1830	26	1558	187	340	98	80	33
## 1848	24	1430	209	432	128	55	26
## 1853	25	1460	147	216	239	172	25
## 1863	26	1482	173	242	284	200	7
## 1862	24	1483	164	234	278	199	16
## 1862.1	24	1483	164	234	278	199	16
## 1867	24	1483	164	234	278	199	16
## 1865	11	1477	163	231	267	191	19
## 1862.2	24	1483	164	234	278	199	16
## 1867.1	24	1483	164	234	278	199	16
## 1868	24	1483	164	234	278	199	16
## 1862.3	24	1483	164	234	278	199	16
## 1867.2	24	1483	164	234	278	199	16
## 1868.1	24	1483	164	234	278	199	16
## 1872	24	1483	164	234	278	199	16
## 1879	26	1549	256	292	368	263	14
## 1911	6	1545	82	203	40	15	5
## 1952	6	1534	38	128	15	5	3
## 1954	8	1540	41	130	15	5	20
## 1973	4	1539	82	114	67	65	19
## 1989	26	1490	208	381	112	70	16
## 1994	4	1474	102	175	51	59	37
## 1996	4	1475	93	159	47	55	35
## 1998	23	1502	77	115	43	52	33
## 1998.1	23	1502	77	115	43	52	33
## 1999	23	1502	77	115	43	52	33
## 2001	5	1475	110	187	55	62	39
## 2021	12	1524	76	104	53	61	22
## 2015	14	1531	74	102	51	58	28
## 2029	25	1428	210	389	115	56	24
## 2034	22	1504	207	442	130	55	21
## 2039	23	1485	144	222	274	201	41
## 2045	13	1495	125	188	226	175	28
## 2064	26	1501	263	336	435	303	25
## 2062	24	1551	260	335	446	309	18
## 2069	26	1545	277	342	474	330	12
## 2064.1	26	1501	263	336	435	303	25
## 2070	26	1501	263	336	435	303	25
## 2101	5	1555	37	114	9	4	11
## 2110	5	1552	37	122	10	3	11
## 2113	23	1560	31	106	7	3	13
## 2131	22	1568	213	482	116	41	1
## 2131.1	22	1568	213	482	116	41	1
## 2132	22	1568	213	482	116	41	1
## 2135	14	1543	224	495	128	52	10
## 2145	6	1559	79	226	38	9	10
## 2153	5	1569	66	184	29	9	3
## 2162	2	1469	67	108	31	40	13
## 2162.1	2	1469	67	108	31	40	13
## 2163	2	1469	67	108	31	40	13

## 2168	6	1468	73	122	35	43	44
## 2168.1	6	1468	73	122	35	43	44
## 2169	6	1468	73	122	35	43	44
## 2179	4	1503	71	111	35	42	13
## 2178	5	1478	69	117	36	44	23
## 2182	6	1483	70	111	35	43	36
## 2162.2	2	1469	67	108	31	40	13
## 2163.1	2	1469	67	108	31	40	13
## 2164	2	1469	67	108	31	40	13
## 2187	7	1459	79	134	41	49	47
## 2162.3	2	1469	67	108	31	40	13
## 2163.2	2	1469	67	108	31	40	13
## 2164.1	2	1469	67	108	31	40	13
## 2184	2	1469	67	108	31	40	13
## 2174	3	1460	75	130	41	48	22
## 2179.1	4	1503	71	111	35	42	13
## 2180	4	1503	71	111	35	42	13
## 2212	2	1537	53	74	29	41	14
## 2229	5	1508	78	112	39	41	35
## 2229.1	5	1508	78	112	39	41	35
## 2230	5	1508	78	112	39	41	35
## 2237	2	1546	53	68	34	45	7
## 2247	10	1559	207	455	128	50	4
## 2252	23	1493	209	453	133	56	11
## 2275	26	1541	260	334	432	301	9
## 2282	25	1513	264	337	421	287	11
## 2273	26	1539	266	336	426	292	14
## 2273.1	26	1539	266	336	426	292	14
## 2285	26	1539	266	336	426	292	14
## 2287	25	1533	277	329	455	316	13
## 2292	26	1535	275	328	450	311	3
## 2297	25	1535	271	339	458	319	29
## 2300	25	1524	270	337	445	309	13
## 2302	24	1525	265	339	422	286	11
## 2308	27	1535	260	299	398	275	7
## 2308.1	27	1535	260	299	398	275	7
## 2309	27	1535	260	299	398	275	7
## 2323	26	1527	245	276	354	249	6
## 2339	25	1564	250	272	304	250	2
## 2357	6	1561	37	112	9	4	9
## 2360	6	1554	45	134	14	5	28
## 2349	5	1556	37	113	9	4	12
## 2367	12	1569	217	474	104	36	1
## 2366	4	1551	41	128	13	3	2
## 2380	5	1554	74	207	28	6	17
## 2418	6	1569	186	430	74	17	1
## 2433	6	1567	165	414	66	14	1
## 2442	5	1568	154	408	63	13	2
## 2450	5	1562	133	370	54	10	1
## 2463	4	1475	52	82	29	37	19
## 2480	3	1541	49	66	26	36	6
## 2493	3	1538	57	75	41	50	22
## 2504	4	1510	45	59	33	40	14
## 2508	3	1544	49	63	31	42	4

## 2512	3	1540	47	64	30	38	6
## 2525	20	1500	203	434	126	52	17
## 2533	7	1545	298	362	458	329	11
## 2541	24	1547	274	343	444	299	5
## 2548	24	1536	271	349	436	300	10
## 2556	24	1517	271	353	429	301	17
## 2568	24	1548	271	342	442	304	18
## 2574	25	1539	248	277	355	255	12
## 2573	26	1536	251	281	364	260	2
## 2574.1	25	1539	248	277	355	255	12
## 2575	25	1539	248	277	355	255	12
## 2585	24	1563	240	263	338	243	5
## 2574.2	25	1539	248	277	355	255	12
## 2575.1	25	1539	248	277	355	255	12
## 2579	25	1539	248	277	355	255	12
## 2574.3	25	1539	248	277	355	255	12
## 2575.2	25	1539	248	277	355	255	12
## 2579.1	25	1539	248	277	355	255	12
## 2591	25	1539	248	277	355	255	12
## 2574.4	25	1539	248	277	355	255	12
##	tdhmod3a	tdlmod3a	tdmmod3a	tdsmod3a	tnhmod3a	tnlmod3a	tnmmod3a
## 3	29	23	27	2	20	11	16
## 3.1	29	23	27	2	20	11	16
## 4	29	23	27	2	20	11	16
## 2	28	21	26	2	22	19	20
## 11	29	16	24	3	21	18	19
## 11.1	29	16	24	3	21	18	19
## 12	29	16	24	3	21	18	19
## 11.2	29	16	24	3	21	18	19
## 12.1	29	16	24	3	21	18	19
## 13	29	16	24	3	21	18	19
## 11.3	29	16	24	3	21	18	19
## 12.2	29	16	24	3	21	18	19
## 13.1	29	16	24	3	21	18	19
## 14	29	16	24	3	21	18	19
## 11.4	29	16	24	3	21	18	19
## 12.3	29	16	24	3	21	18	19
## 13.2	29	16	24	3	21	18	19
## 14.1	29	16	24	3	21	18	19
## 15	29	16	24	3	21	18	19
## 17	31	22	26	2	22	14	18
## 11.5	29	16	24	3	21	18	19
## 12.4	29	16	24	3	21	18	19
## 13.3	29	16	24	3	21	18	19
## 14.2	29	16	24	3	21	18	19
## 15.1	29	16	24	3	21	18	19
## 16	29	16	24	3	21	18	19
## 17.1	31	22	26	2	22	14	18
## 18	31	22	26	2	22	14	18
## 17.2	31	22	26	2	22	14	18
## 18.1	31	22	26	2	22	14	18
## 21	31	22	26	2	22	14	18
## 17.3	31	22	26	2	22	14	18
## 18.2	31	22	26	2	22	14	18

## 21.1	31	22	26	2	22	14	18
## 22	31	22	26	2	22	14	18
## 17.4	31	22	26	2	22	14	18
## 18.3	31	22	26	2	22	14	18
## 21.2	31	22	26	2	22	14	18
## 22.1	31	22	26	2	22	14	18
## 23	31	22	26	2	22	14	18
## 17.5	31	22	26	2	22	14	18
## 18.4	31	22	26	2	22	14	18
## 21.3	31	22	26	2	22	14	18
## 22.2	31	22	26	2	22	14	18
## 23.1	31	22	26	2	22	14	18
## 24	31	22	26	2	22	14	18
## 17.6	31	22	26	2	22	14	18
## 18.5	31	22	26	2	22	14	18
## 21.4	31	22	26	2	22	14	18
## 22.3	31	22	26	2	22	14	18
## 23.2	31	22	26	2	22	14	18
## 24.1	31	22	26	2	22	14	18
## 25	31	22	26	2	22	14	18
## 17.7	31	22	26	2	22	14	18
## 18.6	31	22	26	2	22	14	18
## 21.5	31	22	26	2	22	14	18
## 22.4	31	22	26	2	22	14	18
## 23.3	31	22	26	2	22	14	18
## 24.2	31	22	26	2	22	14	18
## 25.1	31	22	26	2	22	14	18
## 26	31	22	26	2	22	14	18
## 17.8	31	22	26	2	22	14	18
## 18.7	31	22	26	2	22	14	18
## 21.6	31	22	26	2	22	14	18
## 22.5	31	22	26	2	22	14	18
## 23.4	31	22	26	2	22	14	18
## 24.3	31	22	26	2	22	14	18
## 25.2	31	22	26	2	22	14	18
## 26.1	31	22	26	2	22	14	18
## 27	31	22	26	2	22	14	18
## 17.9	31	22	26	2	22	14	18
## 18.8	31	22	26	2	22	14	18
## 21.7	31	22	26	2	22	14	18
## 22.6	31	22	26	2	22	14	18
## 23.5	31	22	26	2	22	14	18
## 24.4	31	22	26	2	22	14	18
## 25.3	31	22	26	2	22	14	18
## 26.2	31	22	26	2	22	14	18
## 27.1	31	22	26	2	22	14	18
## 28	31	22	26	2	22	14	18
## 17.10	31	22	26	2	22	14	18
## 18.9	31	22	26	2	22	14	18
## 21.8	31	22	26	2	22	14	18
## 22.7	31	22	26	2	22	14	18
## 23.6	31	22	26	2	22	14	18
## 24.5	31	22	26	2	22	14	18
## 25.4	31	22	26	2	22	14	18

## 26.3	31	22	26	2	22	14	18
## 27.2	31	22	26	2	22	14	18
## 28.1	31	22	26	2	22	14	18
## 29	31	22	26	2	22	14	18
## 17.11	31	22	26	2	22	14	18
## 18.10	31	22	26	2	22	14	18
## 21.9	31	22	26	2	22	14	18
## 22.8	31	22	26	2	22	14	18
## 23.7	31	22	26	2	22	14	18
## 24.6	31	22	26	2	22	14	18
## 25.5	31	22	26	2	22	14	18
## 26.4	31	22	26	2	22	14	18
## 27.3	31	22	26	2	22	14	18
## 28.2	31	22	26	2	22	14	18
## 29.1	31	22	26	2	22	14	18
## 30	31	22	26	2	22	14	18
## 17.12	31	22	26	2	22	14	18
## 18.11	31	22	26	2	22	14	18
## 21.10	31	22	26	2	22	14	18
## 22.9	31	22	26	2	22	14	18
## 23.8	31	22	26	2	22	14	18
## 24.7	31	22	26	2	22	14	18
## 25.6	31	22	26	2	22	14	18
## 26.5	31	22	26	2	22	14	18
## 27.4	31	22	26	2	22	14	18
## 28.3	31	22	26	2	22	14	18
## 29.2	31	22	26	2	22	14	18
## 30.1	31	22	26	2	22	14	18
## 31	31	22	26	2	22	14	18
## 17.13	31	22	26	2	22	14	18
## 18.12	31	22	26	2	22	14	18
## 21.11	31	22	26	2	22	14	18
## 22.10	31	22	26	2	22	14	18
## 23.9	31	22	26	2	22	14	18
## 24.8	31	22	26	2	22	14	18
## 25.7	31	22	26	2	22	14	18
## 26.6	31	22	26	2	22	14	18
## 27.5	31	22	26	2	22	14	18
## 28.4	31	22	26	2	22	14	18
## 29.3	31	22	26	2	22	14	18
## 30.2	31	22	26	2	22	14	18
## 31.1	31	22	26	2	22	14	18
## 32	31	22	26	2	22	14	18
## 17.14	31	22	26	2	22	14	18
## 18.13	31	22	26	2	22	14	18
## 21.12	31	22	26	2	22	14	18
## 22.11	31	22	26	2	22	14	18
## 23.10	31	22	26	2	22	14	18
## 24.9	31	22	26	2	22	14	18
## 25.8	31	22	26	2	22	14	18
## 26.7	31	22	26	2	22	14	18
## 27.6	31	22	26	2	22	14	18
## 28.5	31	22	26	2	22	14	18
## 29.4	31	22	26	2	22	14	18

## 30.3	31	22	26	2	22	14	18
## 31.2	31	22	26	2	22	14	18
## 32.1	31	22	26	2	22	14	18
## 33	31	22	26	2	22	14	18
## 17.15	31	22	26	2	22	14	18
## 18.14	31	22	26	2	22	14	18
## 21.13	31	22	26	2	22	14	18
## 22.12	31	22	26	2	22	14	18
## 23.11	31	22	26	2	22	14	18
## 24.10	31	22	26	2	22	14	18
## 25.9	31	22	26	2	22	14	18
## 26.8	31	22	26	2	22	14	18
## 27.7	31	22	26	2	22	14	18
## 28.6	31	22	26	2	22	14	18
## 29.5	31	22	26	2	22	14	18
## 30.4	31	22	26	2	22	14	18
## 31.3	31	22	26	2	22	14	18
## 32.2	31	22	26	2	22	14	18
## 33.1	31	22	26	2	22	14	18
## 34	31	22	26	2	22	14	18
## 17.16	31	22	26	2	22	14	18
## 18.15	31	22	26	2	22	14	18
## 21.14	31	22	26	2	22	14	18
## 22.13	31	22	26	2	22	14	18
## 23.12	31	22	26	2	22	14	18
## 24.11	31	22	26	2	22	14	18
## 25.10	31	22	26	2	22	14	18
## 26.9	31	22	26	2	22	14	18
## 27.8	31	22	26	2	22	14	18
## 28.7	31	22	26	2	22	14	18
## 29.6	31	22	26	2	22	14	18
## 30.5	31	22	26	2	22	14	18
## 31.4	31	22	26	2	22	14	18
## 32.3	31	22	26	2	22	14	18
## 33.2	31	22	26	2	22	14	18
## 34.1	31	22	26	2	22	14	18
## 35	31	22	26	2	22	14	18
## 17.17	31	22	26	2	22	14	18
## 18.16	31	22	26	2	22	14	18
## 21.15	31	22	26	2	22	14	18
## 22.14	31	22	26	2	22	14	18
## 23.13	31	22	26	2	22	14	18
## 24.12	31	22	26	2	22	14	18
## 25.11	31	22	26	2	22	14	18
## 26.10	31	22	26	2	22	14	18
## 27.9	31	22	26	2	22	14	18
## 28.8	31	22	26	2	22	14	18
## 29.7	31	22	26	2	22	14	18
## 30.6	31	22	26	2	22	14	18
## 31.5	31	22	26	2	22	14	18
## 32.4	31	22	26	2	22	14	18
## 33.3	31	22	26	2	22	14	18
## 34.2	31	22	26	2	22	14	18
## 35.1	31	22	26	2	22	14	18



## 36	31	22	26	2	22	14	18
## 17.18	31	22	26	2	22	14	18
## 18.17	31	22	26	2	22	14	18
## 21.16	31	22	26	2	22	14	18
## 22.15	31	22	26	2	22	14	18
## 23.14	31	22	26	2	22	14	18
## 24.13	31	22	26	2	22	14	18
## 25.12	31	22	26	2	22	14	18
## 26.11	31	22	26	2	22	14	18
## 27.10	31	22	26	2	22	14	18
## 28.9	31	22	26	2	22	14	18
## 29.8	31	22	26	2	22	14	18
## 30.7	31	22	26	2	22	14	18
## 31.6	31	22	26	2	22	14	18
## 32.5	31	22	26	2	22	14	18
## 33.4	31	22	26	2	22	14	18
## 34.3	31	22	26	2	22	14	18
## 35.2	31	22	26	2	22	14	18
## 36.1	31	22	26	2	22	14	18
## 37	31	22	26	2	22	14	18
## 17.19	31	22	26	2	22	14	18
## 18.18	31	22	26	2	22	14	18
## 21.17	31	22	26	2	22	14	18
## 22.16	31	22	26	2	22	14	18
## 23.15	31	22	26	2	22	14	18
## 24.14	31	22	26	2	22	14	18
## 25.13	31	22	26	2	22	14	18
## 26.12	31	22	26	2	22	14	18
## 27.11	31	22	26	2	22	14	18
## 28.10	31	22	26	2	22	14	18
## 29.9	31	22	26	2	22	14	18
## 30.8	31	22	26	2	22	14	18
## 31.7	31	22	26	2	22	14	18
## 32.6	31	22	26	2	22	14	18
## 33.5	31	22	26	2	22	14	18
## 34.4	31	22	26	2	22	14	18
## 35.3	31	22	26	2	22	14	18
## 36.2	31	22	26	2	22	14	18
## 37.1	31	22	26	2	22	14	18
## 38	31	22	26	2	22	14	18
## 17.20	31	22	26	2	22	14	18
## 18.19	31	22	26	2	22	14	18
## 21.18	31	22	26	2	22	14	18
## 22.17	31	22	26	2	22	14	18
## 23.16	31	22	26	2	22	14	18
## 24.15	31	22	26	2	22	14	18
## 25.14	31	22	26	2	22	14	18
## 26.13	31	22	26	2	22	14	18
## 27.12	31	22	26	2	22	14	18
## 28.11	31	22	26	2	22	14	18
## 29.10	31	22	26	2	22	14	18
## 30.9	31	22	26	2	22	14	18
## 31.8	31	22	26	2	22	14	18
## 32.7	31	22	26	2	22	14	18

## 33.6	31	22	26	2	22	14	18
## 34.5	31	22	26	2	22	14	18
## 35.4	31	22	26	2	22	14	18
## 36.3	31	22	26	2	22	14	18
## 37.2	31	22	26	2	22	14	18
## 38.1	31	22	26	2	22	14	18
## 39	31	22	26	2	22	14	18
## 17.21	31	22	26	2	22	14	18
## 18.20	31	22	26	2	22	14	18
## 21.19	31	22	26	2	22	14	18
## 22.18	31	22	26	2	22	14	18
## 23.17	31	22	26	2	22	14	18
## 24.16	31	22	26	2	22	14	18
## 25.15	31	22	26	2	22	14	18
## 26.14	31	22	26	2	22	14	18
## 27.13	31	22	26	2	22	14	18
## 28.12	31	22	26	2	22	14	18
## 29.11	31	22	26	2	22	14	18
## 30.10	31	22	26	2	22	14	18
## 31.9	31	22	26	2	22	14	18
## 32.8	31	22	26	2	22	14	18
## 33.7	31	22	26	2	22	14	18
## 34.6	31	22	26	2	22	14	18
## 35.5	31	22	26	2	22	14	18
## 36.4	31	22	26	2	22	14	18
## 37.3	31	22	26	2	22	14	18
## 38.2	31	22	26	2	22	14	18
## 39.1	31	22	26	2	22	14	18
## 41	31	22	26	2	22	14	18
## 10	30	21	25	2	22	13	18
## 50	29	21	25	2	20	5	13
## 51	29	20	25	2	14	5	10
## 58	27	21	25	2	22	11	15
## 44	30	20	25	3	21	15	18
## 49	29	17	24	3	22	14	19
## 9	32	16	23	4	22	15	20
## 58.1	27	21	25	2	22	11	15
## 59	27	21	25	2	22	11	15
## 74	29	21	25	2	21	16	19
## 76	29	22	25	2	21	17	19
## 88	28	20	24	2	21	17	19
## 83	28	21	25	2	21	17	19
## 89	30	21	25	2	22	17	20
## 79	29	22	25	2	22	16	20
## 76.1	29	22	25	2	21	17	19
## 77	29	22	25	2	21	17	19
## 73	28	16	24	3	21	17	20
## 72	28	17	23	3	21	17	19
## 71	28	21	25	2	20	12	17
## 96	28	18	24	2	20	15	18
## 74.1	29	21	25	2	21	16	19
## 75	29	21	25	2	21	16	19
## 104	34	20	27	3	23	12	20
## 119	32	20	27	3	22	16	19

## 129	21	0	9	6	3	-13	-2
## 128	28	13	21	4	7	-16	1
## 122	26	10	20	4	7	-10	0
## 142	32	18	26	3	22	17	20
## 150	28	21	25	2	21	14	19
## 121	33	22	28	2	22	17	19
## 167	29	18	25	2	21	14	18
## 121.1	33	22	28	2	22	17	19
## 154	33	22	28	2	22	17	19
## 142.1	32	18	26	3	22	17	20
## 146	32	18	26	3	22	17	20
## 119.1	32	20	27	3	22	16	19
## 120	32	20	27	3	22	16	19
## 177	29	21	23	2	21	19	20
## 174	30	21	27	2	21	16	20
## 175	31	21	25	3	21	16	19
## 176	33	17	26	5	23	18	20
## 135	27	19	24	2	20	2	14
## 169	32	22	27	3	21	14	19
## 196	29	21	26	2	22	17	19
## 196.1	29	21	26	2	22	17	19
## 197	29	21	26	2	22	17	19
## 196.2	29	21	26	2	22	17	19
## 197.1	29	21	26	2	22	17	19
## 198	29	21	26	2	22	17	19
## 196.3	29	21	26	2	22	17	19
## 197.2	29	21	26	2	22	17	19
## 198.1	29	21	26	2	22	17	19
## 199	29	21	26	2	22	17	19
## 196.4	29	21	26	2	22	17	19
## 197.3	29	21	26	2	22	17	19
## 198.2	29	21	26	2	22	17	19
## 199.1	29	21	26	2	22	17	19
## 200	29	21	26	2	22	17	19
## 195	29	20	27	3	22	17	20
## 206	21	6	14	4	6	-11	2
## 208	20	7	14	3	6	-13	1
## 213	23	5	14	5	7	-10	3
## 213.1	23	5	14	5	7	-10	3
## 214	23	5	14	5	7	-10	3
## 213.2	23	5	14	5	7	-10	3
## 214.1	23	5	14	5	7	-10	3
## 215	23	5	14	5	7	-10	3
## 217	21	5	13	4	6	-9	2
## 217.1	21	5	13	4	6	-9	2
## 218	21	5	13	4	6	-9	2
## 231	24	5	16	5	6	-10	1
## 242	23	6	16	4	5	-8	0
## 250	26	6	17	4	6	-14	1
## 223	21	5	14	4	5	-7	1
## 238	28	16	23	3	22	10	18
## 246	23	5	16	4	7	-10	3
## 246.1	23	5	16	4	7	-10	3
## 260	23	5	16	4	7	-10	3

## 282	27	4	18	4	7	-12	1
## 284	32	23	27	3	21	16	19
## 196.5	29	21	26	2	22	17	19
## 197.4	29	21	26	2	22	17	19
## 198.3	29	21	26	2	22	17	19
## 199.2	29	21	26	2	22	17	19
## 200.1	29	21	26	2	22	17	19
## 201	29	21	26	2	22	17	19
## 195.1	29	20	27	3	22	17	20
## 202	29	20	27	3	22	17	20
## 238.1	28	16	23	3	22	10	18
## 254	28	16	23	3	22	10	18
## 296	27	11	23	4	23	12	19
## 237	28	2	22	6	22	10	18
## 296.1	27	11	23	4	23	12	19
## 297	27	11	23	4	23	12	19
## 275	25	5	14	5	4	-10	1
## 296.2	27	11	23	4	23	12	19
## 297.1	27	11	23	4	23	12	19
## 299	27	11	23	4	23	12	19
## 237.1	28	2	22	6	22	10	18
## 298	28	2	22	6	22	10	18
## 292	28	18	25	3	23	12	20
## 195.2	29	20	27	3	22	17	20
## 202.1	29	20	27	3	22	17	20
## 293	29	20	27	3	22	17	20
## 317	28	21	25	2	20	15	18
## 316	31	21	26	3	23	13	19
## 322	35	15	27	3	18	-9	14
## 324	23	9	18	3	12	-8	5
## 329	29	14	22	4	11	-9	5
## 337	31	5	20	5	8	-5	3
## 355	27	3	19	5	6	-17	1
## 322.1	35	15	27	3	18	-9	14
## 323	35	15	27	3	18	-9	14
## 320	29	19	25	3	22	16	19
## 317.1	28	21	25	2	20	15	18
## 318	28	21	25	2	20	15	18
## 319	30	19	25	3	22	15	19
## 317.2	28	21	25	2	20	15	18
## 318.1	28	21	25	2	20	15	18
## 375	28	21	25	2	20	15	18
## 393	36	19	27	4	15	-12	9
## 316.1	31	21	26	3	23	13	19
## 321	31	21	26	3	23	13	19
## 381	28	14	25	3	22	18	19
## 399	28	9	23	4	22	8	16
## 399.1	28	9	23	4	22	8	16
## 400	28	9	23	4	22	8	16
## 402	27	10	19	4	11	-9	3
## 408	33	7	23	5	13	-9	6
## 408.1	33	7	23	5	13	-9	6
## 409	33	7	23	5	13	-9	6
## 417	37	17	30	4	15	-4	9

## 411	37	15	28	4	15	-4	8
## 408.2	33	7	23	5	13	-9	6
## 409.1	33	7	23	5	13	-9	6
## 410	33	7	23	5	13	-9	6
## 431	34	9	23	5	13	-4	7
## 435	32	10	23	5	13	-9	6
## 433	36	9	24	5	13	-3	8
## 427	29	5	21	5	12	-5	5
## 447	22	11	17	3	13	-8	6
## 449	25	12	21	3	15	-11	7
## 465	32	16	25	4	14	-6	8
## 470	25	8	17	4	9	-8	3
## 460	38	17	28	4	15	-6	7
## 479	36	17	29	4	16	-2	11
## 402.1	27	10	19	4	11	-9	3
## 403	27	10	19	4	11	-9	3
## 502	35	17	25	4	14	-9	7
## 502.1	35	17	25	4	14	-9	7
## 503	35	17	25	4	14	-9	7
## 497	28	20	24	2	21	16	20
## 514	30	16	23	3	13	-4	7
## 507	28	16	22	3	21	16	19
## 399.2	28	9	23	4	22	8	16
## 400.1	28	9	23	4	22	8	16
## 401	28	9	23	4	22	8	16
## 497.1	28	20	24	2	21	16	20
## 508	28	20	24	2	21	16	20
## 495	27	20	24	2	21	11	18
## 572	29	19	24	2	20	4	16
## 574	29	19	24	2	20	7	17
## 574.1	29	19	24	2	20	7	17
## 575	29	19	24	2	20	7	17
## 579	27	17	22	3	19	3	16
## 579.1	27	17	22	3	19	3	16
## 582	27	17	22	3	19	3	16
## 586	29	19	24	2	20	6	17
## 572.1	29	19	24	2	20	4	16
## 573	29	19	24	2	20	4	16
## 599	29	21	25	2	23	15	21
## 612	34	14	23	4	10	-18	4
## 617	29	20	25	2	20	9	17
## 616	29	16	23	3	11	-10	5
## 641	30	16	24	4	12	-6	7
## 662	32	14	21	4	11	-7	4
## 668	26	18	22	2	19	7	15
## 678	26	13	22	4	20	3	13
## 677	31	21	26	2	21	1	17
## 647	33	20	26	3	20	14	18
## 700	33	18	27	4	22	15	20
## 704	27	18	24	2	21	6	18
## 709	28	17	25	3	22	19	20
## 732	30	18	25	3	22	17	20
## 806	30	20	24	2	20	0	13
## 700.1	33	18	27	4	22	15	20

## 701	33	18	27	4	22	15	20
## 851	20	8	16	3	6	-7	2
## 859	34	23	27	3	21	15	18
## 887	30	5	24	4	21	17	20
## 894	27	17	23	2	21	12	19
## 896	29	21	25	2	21	10	19
## 899	30	16	25	3	23	7	20
## 901	30	17	25	3	23	9	20
## 910	29	18	24	2	23	9	19
## 894.1	27	17	23	2	21	12	19
## 900	27	17	23	2	21	12	19
## 917	29	21	25	2	22	17	20
## 926	29	18	25	3	23	8	20
## 892	29	16	24	3	23	7	20
## 945	30	18	25	3	21	6	18
## 937	30	19	25	2	20	8	18
## 908	31	22	26	2	21	13	19
## 958	30	21	25	2	22	8	19
## 971	31	14	25	3	23	14	21
## 985	27	14	21	3	15	11	14
## 1019	25	9	18	4	9	-11	4
## 1039	25	15	20	2	16	8	14
## 1017	25	9	17	4	8	-9	5
## 1097	25	20	24	1	20	12	18
## 1135	29	18	24	3	18	2	13
## 1135.1	29	18	24	3	18	2	13
## 1136	29	18	24	3	18	2	13
## 1139	23	14	17	2	16	-3	12
## 1139.1	23	14	17	2	16	-3	12
## 1140	23	14	17	2	16	-3	12
## 1145	29	18	24	3	21	0	14
## 1143	29	20	24	2	21	6	13
## 1145.1	29	18	24	3	21	0	14
## 1146	29	18	24	3	21	0	14
## 1138	29	20	24	2	21	0	13
## 1167	28	15	22	3	17	-3	14
## 1173	26	14	23	3	20	9	17
## 1175	29	20	25	2	21	7	18
## 1178	29	19	24	2	21	3	18
## 1217	28	18	25	2	23	11	19
## 1211	35	23	28	3	20	16	19
## 1131	35	16	27	5	12	-8	7
## 1250	29	9	22	4	22	9	18
## 1253	27	12	23	3	23	7	18
## 1268	37	19	29	4	15	-10	9
## 1248	33	21	25	3	22	10	18
## 1249	33	22	27	3	21	13	17
## 1216	31	22	26	2	22	16	19
## 1216.1	31	22	26	2	22	16	19
## 1280	31	22	26	2	22	16	19
## 1266	32	11	23	4	10	-8	6
## 1293	28	8	21	3	18	-6	12
## 1295	24	7	17	4	14	-12	7
## 1295.1	24	7	17	4	14	-12	7

## 1296	24	7	17	4	14	-12	7
## 1305	25	16	21	2	18	-3	12
## 1308	24	8	14	4	13	-5	8
## 1308.1	24	8	14	4	13	-5	8
## 1309	24	8	14	4	13	-5	8
## 1311	23	10	17	3	13	-6	9
## 1315	24	8	15	4	14	-12	8
## 1315.1	24	8	15	4	14	-12	8
## 1316	24	8	15	4	14	-12	8
## 1318	27	17	22	2	18	4	12
## 1320	27	18	22	2	19	4	11
## 1315.2	24	8	15	4	14	-12	8
## 1316.1	24	8	15	4	14	-12	8
## 1317	24	8	15	4	14	-12	8
## 1327	25	14	21	3	15	6	13
## 1341	28	16	23	3	18	2	12
## 1345	29	17	23	3	19	5	15
## 1350	29	21	24	2	19	-2	15
## 1408	29	16	22	3	11	-9	7
## 1438	30	18	25	3	22	13	19
## 1443	31	21	25	2	21	9	17
## 1443.1	31	21	25	2	21	9	17
## 1444	31	21	25	2	21	9	17
## 1290	40	22	27	5	21	16	18
## 1465	36	22	27	4	22	17	19
## 1474	29	16	23	3	11	-8	6
## 1474.1	29	16	23	3	11	-8	6
## 1475	29	16	23	3	11	-8	6
## 1485	27	9	18	4	5	-9	2
## 1503	33	24	27	3	21	12	17
## 1506	33	21	27	4	22	12	18
## 1509	26	13	20	3	8	-11	2
## 1533	30	16	24	3	19	2	14
## 1533.1	30	16	24	3	19	2	14
## 1534	30	16	24	3	19	2	14
## 1533.2	30	16	24	3	19	2	14
## 1534.1	30	16	24	3	19	2	14
## 1537	30	16	24	3	19	2	14
## 1533.3	30	16	24	3	19	2	14
## 1534.2	30	16	24	3	19	2	14
## 1537.1	30	16	24	3	19	2	14
## 1539	30	16	24	3	19	2	14
## 1545	29	14	24	3	19	10	16
## 1545.1	29	14	24	3	19	10	16
## 1546	29	14	24	3	19	10	16
## 1548	30	19	24	2	19	6	15
## 1552	28	18	23	2	17	6	14
## 1552.1	28	18	23	2	17	6	14
## 1557	28	18	23	2	17	6	14
## 1571	32	24	26	2	22	16	19
## 1580	21	8	16	3	10	-6	4
## 1570	32	15	25	4	22	9	18
## 1584	19	9	16	3	8	-9	3
## 1584.1	19	9	16	3	8	-9	3

## 1606	19	9	16	3	8	-9	3
## 1609	32	16	25	3	22	4	14
## 1612	23	13	19	3	15	0	11
## 1624	26	13	21	3	15	-1	10
## 1629	26	14	21	3	14	-2	10
## 1631	27	16	22	3	15	-3	10
## 1642	30	19	26	3	23	15	21
## 1663	33	20	26	3	23	19	21
## 1702	27	10	20	3	8	-8	3
## 1700	31	14	22	3	10	-5	6
## 1719	34	18	26	4	21	12	18
## 1719.1	34	18	26	4	21	12	18
## 1720	34	18	26	4	21	12	18
## 1731	34	20	26	3	22	15	19
## 1742	40	24	28	5	21	16	19
## 1698	34	23	27	3	23	15	19
## 1749	29	23	27	2	21	15	19
## 1741	35	24	29	3	22	16	19
## 1768	35	11	23	4	10	-5	6
## 1807	41	21	27	5	21	16	19
## 1771	37	16	27	4	21	17	18
## 1814	25	11	19	3	13	-3	9
## 1830	21	12	17	2	13	-16	8
## 1848	27	19	23	2	19	2	14
## 1853	29	17	23	3	14	0	10
## 1863	26	14	19	3	13	-4	8
## 1862	26	11	18	4	13	-5	8
## 1862.1	26	11	18	4	13	-5	8
## 1867	26	11	18	4	13	-5	8
## 1865	26	14	19	3	13	-4	8
## 1862.2	26	11	18	4	13	-5	8
## 1867.1	26	11	18	4	13	-5	8
## 1868	26	11	18	4	13	-5	8
## 1862.3	26	11	18	4	13	-5	8
## 1867.2	26	11	18	4	13	-5	8
## 1868.1	26	11	18	4	13	-5	8
## 1872	26	11	18	4	13	-5	8
## 1879	29	9	24	3	22	16	20
## 1911	41	24	28	4	21	16	19
## 1952	39	22	27	4	22	17	19
## 1954	37	20	27	3	22	17	19
## 1973	24	8	17	3	6	-14	1
## 1989	23	12	18	2	15	8	13
## 1994	33	16	24	4	10	-13	4
## 1996	33	17	24	4	10	-13	5
## 1998	21	8	16	3	7	-13	3
## 1998.1	21	8	16	3	7	-13	3
## 1999	21	8	16	3	7	-13	3
## 2001	30	16	22	3	9	-7	5
## 2021	27	6	18	4	6	-13	1
## 2015	30	2	20	5	7	-14	2
## 2029	28	19	23	2	18	4	14
## 2034	27	20	24	2	20	3	15
## 2039	25	11	18	4	13	-6	8



## 2045	23	10	16	4	11	-5	6
## 2064	27	17	23	3	18	9	15
## 2062	27	13	22	3	17	7	16
## 2069	28	19	23	2	18	6	16
## 2064.1	27	17	23	3	18	9	15
## 2070	27	17	23	3	18	9	15
## 2101	39	22	28	5	21	17	19
## 2110	39	22	29	5	22	17	20
## 2113	28	17	24	3	22	15	19
## 2131	33	22	27	3	23	13	19
## 2131.1	33	22	27	3	23	13	19
## 2132	33	22	27	3	23	13	19
## 2135	30	20	26	3	20	5	16
## 2145	40	22	28	4	22	18	20
## 2153	42	25	29	4	21	12	19
## 2162	33	11	24	5	7	-14	3
## 2162.1	33	11	24	5	7	-14	3
## 2163	33	11	24	5	7	-14	3
## 2168	29	14	22	4	8	-9	4
## 2168.1	29	14	22	4	8	-9	4
## 2169	29	14	22	4	8	-9	4
## 2179	31	10	22	4	7	-10	4
## 2178	32	9	22	4	8	-6	3
## 2182	31	11	21	4	7	-9	3
## 2162.2	33	11	24	5	7	-14	3
## 2163.1	33	11	24	5	7	-14	3
## 2164	33	11	24	5	7	-14	3
## 2187	31	15	22	4	10	-6	4
## 2162.3	33	11	24	5	7	-14	3
## 2163.2	33	11	24	5	7	-14	3
## 2164.1	33	11	24	5	7	-14	3
## 2184	33	11	24	5	7	-14	3
## 2174	32	16	23	4	10	-4	5
## 2179.1	31	10	22	4	7	-10	4
## 2180	31	10	22	4	7	-10	4
## 2212	37	13	27	6	8	-14	3
## 2229	27	7	19	4	8	-15	3
## 2229.1	27	7	19	4	8	-15	3
## 2230	27	7	19	4	8	-15	3
## 2237	39	13	25	5	9	-6	4
## 2247	29	21	25	2	22	4	16
## 2252	29	21	25	2	21	6	15
## 2275	29	17	23	2	18	10	16
## 2282	30	18	25	2	20	12	18
## 2273	30	17	24	3	19	12	17
## 2273.1	30	17	24	3	19	12	17
## 2285	30	17	24	3	19	12	17
## 2287	26	14	23	3	20	11	18
## 2292	28	18	23	3	20	12	17
## 2297	26	16	23	3	18	13	16
## 2300	27	16	23	3	18	13	17
## 2302	31	18	25	3	20	13	18
## 2308	28	14	24	3	21	6	18
## 2308.1	28	14	24	3	21	6	18

## 2309	28	14	24	3	21	6	18
## 2323	29	20	25	2	22	7	19
## 2339	29	19	25	3	23	12	21
## 2357	38	23	29	4	21	16	19
## 2360	41	22	30	5	22	17	19
## 2349	35	22	29	4	22	14	18
## 2367	33	25	29	2	23	18	21
## 2366	34	30	32	2	22	17	19
## 2380	38	23	28	4	22	16	19
## 2418	33	19	27	4	24	14	20
## 2433	32	24	27	2	24	15	20
## 2442	34	24	28	3	22	12	19
## 2450	38	22	28	4	23	15	20
## 2463	35	8	20	6	8	-9	2
## 2480	42	12	27	7	8	-15	3
## 2493	34	10	23	5	7	-8	3
## 2504	32	12	23	4	8	-1	4
## 2508	38	9	24	6	8	-6	3
## 2512	35	8	25	5	9	-5	4
## 2525	27	17	23	2	20	2	14
## 2533	32	22	27	2	21	4	18
## 2541	31	9	25	3	21	11	18
## 2548	30	21	25	2	20	16	19
## 2556	30	20	25	2	20	0	17
## 2568	31	19	26	2	21	11	18
## 2574	29	19	25	2	23	14	21
## 2573	28	18	24	2	23	19	21
## 2574.1	29	19	25	2	23	14	21
## 2575	29	19	25	2	23	14	21
## 2585	29	20	25	2	23	13	20
## 2574.2	29	19	25	2	23	14	21
## 2575.1	29	19	25	2	23	14	21
## 2579	29	19	25	2	23	14	21
## 2574.3	29	19	25	2	23	14	21
## 2575.2	29	19	25	2	23	14	21
## 2579.1	29	19	25	2	23	14	21
## 2591	29	19	25	2	23	14	21
## 2574.4	29	19	25	2	23	14	21
##	tnsmod3a	twisre3a	tx1mod3a	tx2mod3a	tx3mod3a	tx4mod3a	tx5mod3a
## 3	3	120	25	29	28	25	26
## 3.1	3	120	25	29	28	25	26
## 4	3	120	25	29	28	25	26
## 2	1	121	24	27	26	24	26
## 11	1	120	24	24	24	24	26
## 11.1	1	120	24	24	24	24	26
## 12	1	120	24	24	24	24	26
## 11.2	1	120	24	24	24	24	26
## 12.1	1	120	24	24	24	24	26
## 13	1	120	24	24	24	24	26
## 11.3	1	120	24	24	24	24	26
## 12.2	1	120	24	24	24	24	26
## 13.1	1	120	24	24	24	24	26
## 14	1	120	24	24	24	24	26
## 11.4	1	120	24	24	24	24	26

## 12.3	1	120	24	24	24	24	26
## 13.2	1	120	24	24	24	24	26
## 14.1	1	120	24	24	24	24	26
## 15	1	120	24	24	24	24	26
## 17	3	119	26	26	24	25	27
## 11.5	1	120	24	24	24	24	26
## 12.4	1	120	24	24	24	24	26
## 13.3	1	120	24	24	24	24	26
## 14.2	1	120	24	24	24	24	26
## 15.1	1	120	24	24	24	24	26
## 16	1	120	24	24	24	24	26
## 17.1	3	119	26	26	24	25	27
## 18	3	119	26	26	24	25	27
## 17.2	3	119	26	26	24	25	27
## 18.1	3	119	26	26	24	25	27
## 21	3	119	26	26	24	25	27
## 17.3	3	119	26	26	24	25	27
## 18.2	3	119	26	26	24	25	27
## 21.1	3	119	26	26	24	25	27
## 22	3	119	26	26	24	25	27
## 17.4	3	119	26	26	24	25	27
## 18.3	3	119	26	26	24	25	27
## 21.2	3	119	26	26	24	25	27
## 22.1	3	119	26	26	24	25	27
## 23	3	119	26	26	24	25	27
## 17.5	3	119	26	26	24	25	27
## 18.4	3	119	26	26	24	25	27
## 21.3	3	119	26	26	24	25	27
## 22.2	3	119	26	26	24	25	27
## 23.1	3	119	26	26	24	25	27
## 24	3	119	26	26	24	25	27
## 17.6	3	119	26	26	24	25	27
## 18.5	3	119	26	26	24	25	27
## 21.4	3	119	26	26	24	25	27
## 22.3	3	119	26	26	24	25	27
## 23.2	3	119	26	26	24	25	27
## 24.1	3	119	26	26	24	25	27
## 25	3	119	26	26	24	25	27
## 17.7	3	119	26	26	24	25	27
## 18.6	3	119	26	26	24	25	27
## 21.5	3	119	26	26	24	25	27
## 22.4	3	119	26	26	24	25	27
## 23.3	3	119	26	26	24	25	27
## 24.2	3	119	26	26	24	25	27
## 25.1	3	119	26	26	24	25	27
## 26	3	119	26	26	24	25	27
## 17.8	3	119	26	26	24	25	27
## 18.7	3	119	26	26	24	25	27
## 21.6	3	119	26	26	24	25	27
## 22.5	3	119	26	26	24	25	27
## 23.4	3	119	26	26	24	25	27
## 24.3	3	119	26	26	24	25	27
## 25.2	3	119	26	26	24	25	27
## 26.1	3	119	26	26	24	25	27

## 27	3	119	26	26	24	25	27
## 17.9	3	119	26	26	24	25	27
## 18.8	3	119	26	26	24	25	27
## 21.7	3	119	26	26	24	25	27
## 22.6	3	119	26	26	24	25	27
## 23.5	3	119	26	26	24	25	27
## 24.4	3	119	26	26	24	25	27
## 25.3	3	119	26	26	24	25	27
## 26.2	3	119	26	26	24	25	27
## 27.1	3	119	26	26	24	25	27
## 28	3	119	26	26	24	25	27
## 17.10	3	119	26	26	24	25	27
## 18.9	3	119	26	26	24	25	27
## 21.8	3	119	26	26	24	25	27
## 22.7	3	119	26	26	24	25	27
## 23.6	3	119	26	26	24	25	27
## 24.5	3	119	26	26	24	25	27
## 25.4	3	119	26	26	24	25	27
## 26.3	3	119	26	26	24	25	27
## 27.2	3	119	26	26	24	25	27
## 28.1	3	119	26	26	24	25	27
## 29	3	119	26	26	24	25	27
## 17.11	3	119	26	26	24	25	27
## 18.10	3	119	26	26	24	25	27
## 21.9	3	119	26	26	24	25	27
## 22.8	3	119	26	26	24	25	27
## 23.7	3	119	26	26	24	25	27
## 24.6	3	119	26	26	24	25	27
## 25.5	3	119	26	26	24	25	27
## 26.4	3	119	26	26	24	25	27
## 27.3	3	119	26	26	24	25	27
## 28.2	3	119	26	26	24	25	27
## 29.1	3	119	26	26	24	25	27
## 30	3	119	26	26	24	25	27
## 17.12	3	119	26	26	24	25	27
## 18.11	3	119	26	26	24	25	27
## 21.10	3	119	26	26	24	25	27
## 22.9	3	119	26	26	24	25	27
## 23.8	3	119	26	26	24	25	27
## 24.7	3	119	26	26	24	25	27
## 25.6	3	119	26	26	24	25	27
## 26.5	3	119	26	26	24	25	27
## 27.4	3	119	26	26	24	25	27
## 28.3	3	119	26	26	24	25	27
## 29.2	3	119	26	26	24	25	27
## 30.1	3	119	26	26	24	25	27
## 31	3	119	26	26	24	25	27
## 17.13	3	119	26	26	24	25	27
## 18.12	3	119	26	26	24	25	27
## 21.11	3	119	26	26	24	25	27
## 22.10	3	119	26	26	24	25	27
## 23.9	3	119	26	26	24	25	27
## 24.8	3	119	26	26	24	25	27
## 25.7	3	119	26	26	24	25	27

## 26.6	3	119	26	26	24	25	27
## 27.5	3	119	26	26	24	25	27
## 28.4	3	119	26	26	24	25	27
## 29.3	3	119	26	26	24	25	27
## 30.2	3	119	26	26	24	25	27
## 31.1	3	119	26	26	24	25	27
## 32	3	119	26	26	24	25	27
## 17.14	3	119	26	26	24	25	27
## 18.13	3	119	26	26	24	25	27
## 21.12	3	119	26	26	24	25	27
## 22.11	3	119	26	26	24	25	27
## 23.10	3	119	26	26	24	25	27
## 24.9	3	119	26	26	24	25	27
## 25.8	3	119	26	26	24	25	27
## 26.7	3	119	26	26	24	25	27
## 27.6	3	119	26	26	24	25	27
## 28.5	3	119	26	26	24	25	27
## 29.4	3	119	26	26	24	25	27
## 30.3	3	119	26	26	24	25	27
## 31.2	3	119	26	26	24	25	27
## 32.1	3	119	26	26	24	25	27
## 33	3	119	26	26	24	25	27
## 17.15	3	119	26	26	24	25	27
## 18.14	3	119	26	26	24	25	27
## 21.13	3	119	26	26	24	25	27
## 22.12	3	119	26	26	24	25	27
## 23.11	3	119	26	26	24	25	27
## 24.10	3	119	26	26	24	25	27
## 25.9	3	119	26	26	24	25	27
## 26.8	3	119	26	26	24	25	27
## 27.7	3	119	26	26	24	25	27
## 28.6	3	119	26	26	24	25	27
## 29.5	3	119	26	26	24	25	27
## 30.4	3	119	26	26	24	25	27
## 31.3	3	119	26	26	24	25	27
## 32.2	3	119	26	26	24	25	27
## 33.1	3	119	26	26	24	25	27
## 34	3	119	26	26	24	25	27
## 17.16	3	119	26	26	24	25	27
## 18.15	3	119	26	26	24	25	27
## 21.14	3	119	26	26	24	25	27
## 22.13	3	119	26	26	24	25	27
## 23.12	3	119	26	26	24	25	27
## 24.11	3	119	26	26	24	25	27
## 25.10	3	119	26	26	24	25	27
## 26.9	3	119	26	26	24	25	27
## 27.8	3	119	26	26	24	25	27
## 28.7	3	119	26	26	24	25	27
## 29.6	3	119	26	26	24	25	27
## 30.5	3	119	26	26	24	25	27
## 31.4	3	119	26	26	24	25	27
## 32.3	3	119	26	26	24	25	27
## 33.2	3	119	26	26	24	25	27
## 34.1	3	119	26	26	24	25	27

## 35	3	119	26	26	24	25	27
## 17.17	3	119	26	26	24	25	27
## 18.16	3	119	26	26	24	25	27
## 21.15	3	119	26	26	24	25	27
## 22.14	3	119	26	26	24	25	27
## 23.13	3	119	26	26	24	25	27
## 24.12	3	119	26	26	24	25	27
## 25.11	3	119	26	26	24	25	27
## 26.10	3	119	26	26	24	25	27
## 27.9	3	119	26	26	24	25	27
## 28.8	3	119	26	26	24	25	27
## 29.7	3	119	26	26	24	25	27
## 30.6	3	119	26	26	24	25	27
## 31.5	3	119	26	26	24	25	27
## 32.4	3	119	26	26	24	25	27
## 33.3	3	119	26	26	24	25	27
## 34.2	3	119	26	26	24	25	27
## 35.1	3	119	26	26	24	25	27
## 36	3	119	26	26	24	25	27
## 17.18	3	119	26	26	24	25	27
## 18.17	3	119	26	26	24	25	27
## 21.16	3	119	26	26	24	25	27
## 22.15	3	119	26	26	24	25	27
## 23.14	3	119	26	26	24	25	27
## 24.13	3	119	26	26	24	25	27
## 25.12	3	119	26	26	24	25	27
## 26.11	3	119	26	26	24	25	27
## 27.10	3	119	26	26	24	25	27
## 28.9	3	119	26	26	24	25	27
## 29.8	3	119	26	26	24	25	27
## 30.7	3	119	26	26	24	25	27
## 31.6	3	119	26	26	24	25	27
## 32.5	3	119	26	26	24	25	27
## 33.4	3	119	26	26	24	25	27
## 34.3	3	119	26	26	24	25	27
## 35.2	3	119	26	26	24	25	27
## 36.1	3	119	26	26	24	25	27
## 37	3	119	26	26	24	25	27
## 17.19	3	119	26	26	24	25	27
## 18.18	3	119	26	26	24	25	27
## 21.17	3	119	26	26	24	25	27
## 22.16	3	119	26	26	24	25	27
## 23.15	3	119	26	26	24	25	27
## 24.14	3	119	26	26	24	25	27
## 25.13	3	119	26	26	24	25	27
## 26.12	3	119	26	26	24	25	27
## 27.11	3	119	26	26	24	25	27
## 28.10	3	119	26	26	24	25	27
## 29.9	3	119	26	26	24	25	27
## 30.8	3	119	26	26	24	25	27
## 31.7	3	119	26	26	24	25	27
## 32.6	3	119	26	26	24	25	27
## 33.5	3	119	26	26	24	25	27
## 34.4	3	119	26	26	24	25	27

## 35.3	3	119	26	26	24	25	27
## 36.2	3	119	26	26	24	25	27
## 37.1	3	119	26	26	24	25	27
## 38	3	119	26	26	24	25	27
## 17.20	3	119	26	26	24	25	27
## 18.19	3	119	26	26	24	25	27
## 21.18	3	119	26	26	24	25	27
## 22.17	3	119	26	26	24	25	27
## 23.16	3	119	26	26	24	25	27
## 24.15	3	119	26	26	24	25	27
## 25.14	3	119	26	26	24	25	27
## 26.13	3	119	26	26	24	25	27
## 27.12	3	119	26	26	24	25	27
## 28.11	3	119	26	26	24	25	27
## 29.10	3	119	26	26	24	25	27
## 30.9	3	119	26	26	24	25	27
## 31.8	3	119	26	26	24	25	27
## 32.7	3	119	26	26	24	25	27
## 33.6	3	119	26	26	24	25	27
## 34.5	3	119	26	26	24	25	27
## 35.4	3	119	26	26	24	25	27
## 36.3	3	119	26	26	24	25	27
## 37.2	3	119	26	26	24	25	27
## 38.1	3	119	26	26	24	25	27
## 39	3	119	26	26	24	25	27
## 17.21	3	119	26	26	24	25	27
## 18.20	3	119	26	26	24	25	27
## 21.19	3	119	26	26	24	25	27
## 22.18	3	119	26	26	24	25	27
## 23.17	3	119	26	26	24	25	27
## 24.16	3	119	26	26	24	25	27
## 25.15	3	119	26	26	24	25	27
## 26.14	3	119	26	26	24	25	27
## 27.13	3	119	26	26	24	25	27
## 28.12	3	119	26	26	24	25	27
## 29.11	3	119	26	26	24	25	27
## 30.10	3	119	26	26	24	25	27
## 31.9	3	119	26	26	24	25	27
## 32.8	3	119	26	26	24	25	27
## 33.7	3	119	26	26	24	25	27
## 34.6	3	119	26	26	24	25	27
## 35.5	3	119	26	26	24	25	27
## 36.4	3	119	26	26	24	25	27
## 37.3	3	119	26	26	24	25	27
## 38.2	3	119	26	26	24	25	27
## 39.1	3	119	26	26	24	25	27
## 41	3	119	26	26	24	25	27
## 10	3	122	25	27	26	24	26
## 50	5	113	23	26	24	24	25
## 51	5	115	24	27	24	24	27
## 58	5	110	24	26	25	24	25
## 44	2	123	23	27	26	24	26
## 49	3	123	24	24	24	23	24
## 9	2	121	23	25	25	24	25

## 58.1	5	110	24	26	25	24	25
## 59	5	110	24	26	25	24	25
## 74	2	113	23	25	25	24	25
## 76	1	118	24	26	25	23	26
## 88	1	113	24	25	25	23	24
## 83	1	115	24	26	25	24	24
## 89	2	115	24	25	25	23	25
## 79	2	113	25	25	25	24	26
## 76.1	1	118	24	26	25	23	26
## 77	1	118	24	26	25	23	26
## 73	2	114	24	25	23	22	24
## 72	1	114	24	24	25	22	24
## 71	3	115	23	26	25	23	24
## 96	2	121	23	24	24	23	24
## 74.1	2	113	23	25	25	24	25
## 75	2	113	23	25	25	24	25
## 104	3	107	27	26	26	26	28
## 119	2	114	30	27	26	26	20
## 129	3	60	8	12	8	6	9
## 128	4	116	22	23	21	20	25
## 122	4	119	20	21	21	17	24
## 142	2	95	23	27	23	25	26
## 150	2	101	26	25	25	24	25
## 121	2	100	26	28	25	26	26
## 167	2	99	25	25	25	25	25
## 121.1	2	100	26	28	25	26	26
## 154	2	100	26	28	25	26	26
## 142.1	2	95	23	27	23	25	26
## 146	2	95	23	27	23	25	26
## 119.1	2	114	30	27	26	26	20
## 120	2	114	30	27	26	26	20
## 177	1	113	21	25	24	23	23
## 174	1	99	23	27	26	26	28
## 175	1	112	25	26	24	28	21
## 176	1	102	27	26	27	24	25
## 135	5	95	23	24	24	24	25
## 169	2	98	26	26	26	25	25
## 196	2	95	27	26	25	25	23
## 196.1	2	95	27	26	25	25	23
## 197	2	95	27	26	25	25	23
## 196.2	2	95	27	26	25	25	23
## 197.1	2	95	27	26	25	25	23
## 198	2	95	27	26	25	25	23
## 196.3	2	95	27	26	25	25	23
## 197.2	2	95	27	26	25	25	23
## 198.1	2	95	27	26	25	25	23
## 199	2	95	27	26	25	25	23
## 196.4	2	95	27	26	25	25	23
## 197.3	2	95	27	26	25	25	23
## 198.2	2	95	27	26	25	25	23
## 199.1	2	95	27	26	25	25	23
## 200	2	95	27	26	25	25	23
## 195	2	115	29	29	25	24	20
## 206	4	71	13	16	13	12	15



## 208	4	78	14	15	15	11	15
## 213	3	83	13	18	11	12	16
## 213.1	3	83	13	18	11	12	16
## 214	3	83	13	18	11	12	16
## 213.2	3	83	13	18	11	12	16
## 214.1	3	83	13	18	11	12	16
## 215	3	83	13	18	11	12	16
## 217	3	77	12	16	11	10	15
## 217.1	3	77	12	16	11	10	15
## 218	3	77	12	16	11	10	15
## 231	3	92	18	18	17	16	19
## 242	3	97	17	19	16	15	17
## 250	4	96	18	17	17	15	21
## 223	2	79	14	16	16	12	16
## 238	3	119	23	23	23	20	21
## 246	4	76	16	18	17	16	19
## 246.1	4	76	16	18	17	16	19
## 260	4	76	16	18	17	16	19
## 282	4	96	17	20	19	15	21
## 284	1	109	28	27	26	24	26
## 196.5	2	95	27	26	25	25	23
## 197.4	2	95	27	26	25	25	23
## 198.3	2	95	27	26	25	25	23
## 199.2	2	95	27	26	25	25	23
## 200.1	2	95	27	26	25	25	23
## 201	2	95	27	26	25	25	23
## 195.1	2	115	29	29	25	24	20
## 202	2	115	29	29	25	24	20
## 238.1	3	119	23	23	23	20	21
## 254	3	119	23	23	23	20	21
## 296	3	116	24	23	24	19	21
## 237	3	117	23	21	22	20	20
## 296.1	3	116	24	23	24	19	21
## 297	3	116	24	23	24	19	21
## 275	3	77	15	17	15	13	18
## 296.2	3	116	24	23	24	19	21
## 297.1	3	116	24	23	24	19	21
## 299	3	116	24	23	24	19	21
## 237.1	3	117	23	21	22	20	20
## 298	3	117	23	21	22	20	20
## 292	3	123	26	26	25	24	21
## 195.2	2	115	29	29	25	24	20
## 202.1	2	115	29	29	25	24	20
## 293	2	115	29	29	25	24	20
## 317	2	101	24	26	25	24	25
## 316	3	97	28	27	26	25	25
## 322	6	107	26	28	27	29	32
## 324	5	77	15	18	16	15	20
## 329	5	70	23	24	22	23	28
## 337	3	122	23	25	24	18	23
## 355	5	129	21	21	19	17	21
## 322.1	6	107	26	28	27	29	32
## 323	6	107	26	28	27	29	32
## 320	2	102	26	25	26	24	25

## 317.1	2	101	24	26	25	24	25
## 318	2	101	24	26	25	24	25
## 319	2	104	26	24	25	25	23
## 317.2	2	101	24	26	25	24	25
## 318.1	2	101	24	26	25	24	25
## 375	2	101	24	26	25	24	25
## 393	7	91	28	29	28	28	34
## 316.1	3	97	28	27	26	25	25
## 321	3	97	28	27	26	25	25
## 381	1	100	26	25	25	23	25
## 399	6	123	22	25	24	23	22
## 399.1	6	123	22	25	24	23	22
## 400	6	123	22	25	24	23	22
## 402	5	81	22	22	21	17	21
## 408	5	100	25	29	25	21	28
## 408.1	5	100	25	29	25	21	28
## 409	5	100	25	29	25	21	28
## 417	6	97	31	33	33	30	35
## 411	5	92	28	31	31	28	33
## 408.2	5	100	25	29	25	21	28
## 409.1	5	100	25	29	25	21	28
## 410	5	100	25	29	25	21	28
## 431	4	76	23	25	25	24	28
## 435	5	98	25	29	25	23	28
## 433	4	78	24	26	26	24	29
## 427	4	79	22	26	22	22	25
## 447	6	85	16	17	16	16	19
## 449	7	83	21	20	19	18	23
## 465	4	85	28	28	28	26	32
## 470	4	69	19	19	17	15	19
## 460	5	84	28	31	30	27	32
## 479	4	101	29	31	31	27	32
## 402.1	5	81	22	22	21	17	21
## 403	5	81	22	22	21	17	21
## 502	5	105	26	27	27	27	33
## 502.1	5	105	26	27	27	27	33
## 503	5	105	26	27	27	27	33
## 497	2	106	22	24	24	23	24
## 514	4	74	25	24	25	23	27
## 507	2	101	21	24	23	22	23
## 399.2	6	123	22	25	24	23	22
## 400.1	6	123	22	25	24	23	22
## 401	6	123	22	25	24	23	22
## 497.1	2	106	22	24	24	23	24
## 508	2	106	22	24	24	23	24
## 495	3	100	22	24	23	24	21
## 572	4	103	24	24	23	23	26
## 574	3	102	23	24	22	22	26
## 574.1	3	102	23	24	22	22	26
## 575	3	102	23	24	22	22	26
## 579	4	81	21	24	21	22	24
## 579.1	4	81	21	24	21	22	24
## 582	4	81	21	24	21	22	24
## 586	3	99	23	24	23	22	26

## 572.1	4	103	24	24	23	23	26
## 573	4	103	24	24	23	23	26
## 599	2	121	26	27	25	23	27
## 612	5	112	23	23	24	21	28
## 617	4	115	25	25	24	25	25
## 616	5	86	22	25	25	23	27
## 641	4	105	24	25	25	27	31
## 662	4	101	22	23	21	19	26
## 668	3	80	22	22	23	22	24
## 678	5	117	24	23	23	22	26
## 677	6	122	27	26	26	24	26
## 647	2	126	26	25	25	26	29
## 700	3	115	27	26	26	26	25
## 704	4	88	23	26	22	23	25
## 709	1	116	25	26	23	24	27
## 732	1	118	25	27	24	24	27
## 806	6	101	25	24	24	25	24
## 700.1	3	115	27	26	26	26	25
## 701	3	115	27	26	26	26	25
## 851	3	68	15	17	16	16	17
## 859	2	127	26	27	26	25	31
## 887	1	97	24	23	23	23	27
## 894	2	87	23	24	23	22	26
## 896	2	92	25	25	25	24	27
## 899	3	109	24	26	25	23	26
## 901	3	107	24	25	25	25	28
## 910	4	99	24	25	24	24	27
## 894.1	2	87	23	24	23	22	26
## 900	2	87	23	24	23	22	26
## 917	1	125	25	25	26	24	28
## 926	3	113	26	26	25	23	27
## 892	4	114	25	25	25	23	26
## 945	3	116	24	25	25	24	27
## 937	3	105	24	26	25	24	27
## 908	2	117	25	26	25	25	28
## 958	3	124	25	26	26	25	27
## 971	2	122	27	27	24	24	27
## 985	1	78	22	22	20	21	24
## 1019	4	75	20	18	19	21	25
## 1039	2	84	19	20	20	20	22
## 1017	4	75	19	18	17	19	25
## 1097	2	108	26	24	23	25	26
## 1135	5	108	25	24	24	23	26
## 1135.1	5	108	25	24	24	23	26
## 1136	5	108	25	24	24	23	26
## 1139	5	78	16	17	17	17	18
## 1139.1	5	78	16	17	17	17	18
## 1140	5	78	16	17	17	17	18
## 1145	7	107	23	24	26	23	26
## 1143	5	108	23	25	24	23	26
## 1145.1	7	107	23	24	26	23	26
## 1146	7	107	23	24	26	23	26
## 1138	7	109	24	24	25	23	26
## 1167	4	72	21	24	22	20	24

## 1173	3	76	22	24	22	20	25
## 1175	3	107	25	26	25	24	27
## 1178	4	103	24	25	24	24	26
## 1217	3	99	25	25	24	21	25
## 1211	1	108	25	28	26	26	30
## 1131	5	96	30	27	25	30	34
## 1250	3	111	23	23	23	21	23
## 1253	3	113	24	23	24	21	22
## 1268	4	108	29	30	30	31	35
## 1248	3	127	28	26	24	24	29
## 1249	2	127	30	26	24	24	29
## 1216	2	97	26	27	25	27	29
## 1216.1	2	97	26	27	25	27	29
## 1280	2	97	26	27	25	27	29
## 1266	3	79	23	25	25	23	30
## 1293	7	92	22	21	21	21	22
## 1295	6	88	13	15	17	18	20
## 1295.1	6	88	13	15	17	18	20
## 1296	6	88	13	15	17	18	20
## 1305	6	86	21	23	22	22	23
## 1308	4	83	11	13	13	15	17
## 1308.1	4	83	11	13	13	15	17
## 1309	4	83	11	13	13	15	17
## 1311	4	81	15	16	15	17	19
## 1315	6	79	11	13	16	16	18
## 1315.1	6	79	11	13	16	16	18
## 1316	6	79	11	13	16	16	18
## 1318	5	92	22	23	23	22	23
## 1320	5	95	22	23	23	21	23
## 1315.2	6	79	11	13	16	16	18
## 1316.1	6	79	11	13	16	16	18
## 1317	6	79	11	13	16	16	18
## 1327	3	87	19	21	19	20	21
## 1341	6	100	23	25	23	21	26
## 1345	4	101	25	24	23	22	25
## 1350	6	88	25	25	23	23	25
## 1408	4	103	24	24	22	23	29
## 1438	2	108	24	25	24	24	26
## 1443	3	97	26	24	25	24	26
## 1443.1	3	97	26	24	25	24	26
## 1444	3	97	26	24	25	24	26
## 1290	2	103	27	26	25	28	30
## 1465	1	101	25	26	25	25	28
## 1474	4	107	24	24	22	24	29
## 1474.1	4	107	24	24	22	24	29
## 1475	4	107	24	24	22	24	29
## 1485	2	79	19	19	18	19	23
## 1503	3	125	29	26	27	25	30
## 1506	3	122	30	26	26	25	31
## 1509	4	83	22	22	19	19	23
## 1533	6	97	22	24	23	23	26
## 1533.1	6	97	22	24	23	23	26
## 1534	6	97	22	24	23	23	26
## 1533.2	6	97	22	24	23	23	26

## 1534.1	6	97	22	24	23	23	26
## 1537	6	97	22	24	23	23	26
## 1533.3	6	97	22	24	23	23	26
## 1534.2	6	97	22	24	23	23	26
## 1537.1	6	97	22	24	23	23	26
## 1539	6	97	22	24	23	23	26
## 1545	3	106	23	25	24	24	26
## 1545.1	3	106	23	25	24	24	26
## 1546	3	106	23	25	24	24	26
## 1548	4	106	23	25	24	24	26
## 1552	3	86	21	24	23	23	25
## 1552.1	3	86	21	24	23	23	25
## 1557	3	86	21	24	23	23	25
## 1571	2	121	27	26	26	25	28
## 1580	4	91	15	17	16	14	16
## 1570	4	119	25	25	26	20	29
## 1584	4	85	15	16	15	12	14
## 1584.1	4	85	15	16	15	12	14
## 1606	4	85	15	16	15	12	14
## 1609	6	111	25	24	25	22	27
## 1612	3	73	19	18	17	20	21
## 1624	5	93	20	22	20	18	20
## 1629	4	83	20	22	20	19	20
## 1631	5	89	21	23	19	19	23
## 1642	2	122	26	26	25	25	27
## 1663	1	121	26	27	25	24	28
## 1702	4	111	20	21	18	19	24
## 1700	3	120	23	23	22	22	27
## 1719	3	128	28	25	26	22	31
## 1719.1	3	128	28	25	26	22	31
## 1720	3	128	28	25	26	22	31
## 1731	2	94	26	26	24	23	28
## 1742	2	94	26	26	27	26	31
## 1698	2	128	30	26	26	25	31
## 1749	2	105	26	28	26	28	32
## 1741	2	105	27	29	26	29	32
## 1768	3	122	23	23	23	23	30
## 1807	2	111	29	27	25	25	27
## 1771	1	118	26	24	25	26	27
## 1814	4	90	15	17	18	19	23
## 1830	5	70	15	15	16	18	19
## 1848	5	89	24	24	23	22	24
## 1853	3	97	22	24	22	20	23
## 1863	5	109	18	20	20	17	19
## 1862	5	107	18	20	19	17	17
## 1862.1	5	107	18	20	19	17	17
## 1867	5	107	18	20	19	17	17
## 1865	4	103	19	21	20	17	19
## 1862.2	5	107	18	20	19	17	17
## 1867.1	5	107	18	20	19	17	17
## 1868	5	107	18	20	19	17	17
## 1862.3	5	107	18	20	19	17	17
## 1867.2	5	107	18	20	19	17	17
## 1868.1	5	107	18	20	19	17	17

## 1872	5	107	18	20	19	17	17
## 1879	1	103	25	25	24	21	26
## 1911	2	105	26	26	27	27	31
## 1952	1	108	26	26	26	27	31
## 1954	2	100	27	25	24	26	28
## 1973	3	87	19	18	16	15	21
## 1989	2	71	18	16	17	19	21
## 1994	5	96	23	24	22	24	29
## 1996	5	94	24	24	23	24	29
## 1998	4	89	18	17	17	16	19
## 1998.1	4	89	18	17	17	16	19
## 1999	4	89	18	17	17	16	19
## 2001	4	98	22	21	20	21	25
## 2021	3	89	20	19	17	14	21
## 2015	3	92	22	21	19	14	25
## 2029	4	92	23	23	21	21	24
## 2034	4	106	22	25	23	23	24
## 2039	4	92	17	20	17	16	17
## 2045	4	89	16	17	16	13	16
## 2064	2	97	23	24	23	19	23
## 2062	2	97	22	23	21	20	23
## 2069	3	104	23	23	22	22	23
## 2064.1	2	97	23	24	23	19	23
## 2070	2	97	23	24	23	19	23
## 2101	1	108	29	26	25	24	30
## 2110	1	113	30	27	26	25	29
## 2113	2	116	24	24	24	22	24
## 2131	2	134	29	26	25	24	27
## 2131.1	2	134	29	26	25	24	27
## 2132	2	134	29	26	25	24	27
## 2135	4	122	25	25	26	24	26
## 2145	1	122	28	27	26	26	31
## 2153	2	117	27	27	26	29	32
## 2162	4	84	21	24	22	22	29
## 2162.1	4	84	21	24	22	22	29
## 2163	4	84	21	24	22	22	29
## 2168	3	84	22	23	19	21	26
## 2168.1	3	84	22	23	19	21	26
## 2169	3	84	22	23	19	21	26
## 2179	3	85	22	22	21	21	27
## 2178	3	86	22	23	20	22	27
## 2182	3	83	21	22	20	21	27
## 2162.2	4	84	21	24	22	22	29
## 2163.1	4	84	21	24	22	22	29
## 2164	4	84	21	24	22	22	29
## 2187	4	83	22	22	20	21	27
## 2162.3	4	84	21	24	22	22	29
## 2163.2	4	84	21	24	22	22	29
## 2164.1	4	84	21	24	22	22	29
## 2184	4	84	21	24	22	22	29
## 2174	3	97	24	23	21	22	28
## 2179.1	3	85	22	22	21	21	27
## 2180	3	85	22	22	21	21	27
## 2212	4	121	29	27	24	23	31

## 2229	4	72	18	18	20	18	24
## 2229.1	4	72	18	18	20	18	24
## 2230	4	72	18	18	20	18	24
## 2237	3	118	24	25	20	23	27
## 2247	5	111	24	24	24	25	25
## 2252	4	114	25	24	25	24	27
## 2275	2	112	23	24	24	22	24
## 2282	2	101	25	25	24	21	26
## 2273	2	114	25	24	23	23	26
## 2273.1	2	114	25	24	23	23	26
## 2285	2	114	25	24	23	23	26
## 2287	2	100	22	24	24	21	24
## 2292	2	115	23	24	23	21	25
## 2297	1	89	23	24	22	20	24
## 2300	1	95	22	24	22	21	24
## 2302	1	102	25	25	24	22	27
## 2308	3	109	24	25	23	23	26
## 2308.1	3	109	24	25	23	23	26
## 2309	3	109	24	25	23	23	26
## 2323	3	114	25	25	24	24	26
## 2339	2	117	25	26	23	23	27
## 2357	2	109	28	26	26	24	28
## 2360	1	100	25	28	25	25	30
## 2349	2	106	26	29	26	26	32
## 2367	1	137	30	28	26	23	34
## 2366	2	120	28	30	27	30	33
## 2380	1	120	31	27	26	26	30
## 2418	2	139	27	27	25	22	28
## 2433	2	138	26	26	26	26	32
## 2442	3	137	29	27	26	29	34
## 2450	2	135	25	27	26	27	33
## 2463	4	84	20	21	15	17	25
## 2480	4	128	27	28	20	27	35
## 2493	3	105	23	24	22	21	27
## 2504	3	115	24	26	19	23	27
## 2508	3	127	26	27	23	19	31
## 2512	3	131	24	27	25	21	27
## 2525	5	110	24	24	23	23	24
## 2533	4	117	24	26	26	25	28
## 2541	3	114	24	26	23	24	26
## 2548	1	108	24	25	24	23	27
## 2556	4	91	24	25	23	24	26
## 2568	3	110	24	25	24	24	27
## 2574	2	112	25	26	24	25	27
## 2573	1	117	25	26	24	24	26
## 2574.1	2	112	25	26	24	25	27
## 2575	2	112	25	26	24	25	27
## 2585	2	118	25	26	24	24	26
## 2574.2	2	112	25	26	24	25	27
## 2575.1	2	112	25	26	24	25	27
## 2579	2	112	25	26	24	25	27
## 2574.3	2	112	25	26	24	25	27
## 2575.2	2	112	25	26	24	25	27
## 2579.1	2	112	25	26	24	25	27

## 2591	2	112	25	26	24	25	27	
## 2574.4	2	112	25	26	24	25	27	
##	tx6mod3a	Bioclivs	Climavs	Cobervs	Ecosivs	Geolovs	Geomovs	Pisosvs
## 3	28	1	1	3	4	2	26	9
## 3.1	28	1	1	3	4	2	26	9
## 4	28	1	1	3	4	2	26	9
## 2	27	1	1	3	5	2	12	9
## 11	25	1	1	3	4	1	10	9
## 11.1	25	1	1	3	4	1	10	9
## 12	25	1	1	3	4	1	10	9
## 11.2	25	1	1	3	4	1	10	9
## 12.1	25	1	1	3	4	1	10	9
## 13	25	1	1	3	4	1	10	9
## 11.3	25	1	1	3	4	1	10	9
## 12.2	25	1	1	3	4	1	10	9
## 13.1	25	1	1	3	4	1	10	9
## 14	25	1	1	3	4	1	10	9
## 11.4	25	1	1	3	4	1	10	9
## 12.3	25	1	1	3	4	1	10	9
## 13.2	25	1	1	3	4	1	10	9
## 14.1	25	1	1	3	4	1	10	9
## 15	25	1	1	3	4	1	10	9
## 17	29	1	3	3	4	4	51	9
## 11.5	25	1	1	3	4	1	10	9
## 12.4	25	1	1	3	4	1	10	9
## 13.3	25	1	1	3	4	1	10	9
## 14.2	25	1	1	3	4	1	10	9
## 15.1	25	1	1	3	4	1	10	9
## 16	25	1	1	3	4	1	10	9
## 17.1	29	1	3	3	4	4	51	9
## 18	29	1	3	3	4	4	51	9
## 17.2	29	1	3	3	4	4	51	9
## 18.1	29	1	3	3	4	4	51	9
## 21	29	1	3	3	4	4	51	9
## 17.3	29	1	3	3	4	4	51	9
## 18.2	29	1	3	3	4	4	51	9
## 21.1	29	1	3	3	4	4	51	9
## 22	29	1	3	3	4	4	51	9
## 17.4	29	1	3	3	4	4	51	9
## 18.3	29	1	3	3	4	4	51	9
## 21.2	29	1	3	3	4	4	51	9
## 22.1	29	1	3	3	4	4	51	9
## 23	29	1	3	3	4	4	51	9
## 17.5	29	1	3	3	4	4	51	9
## 18.4	29	1	3	3	4	4	51	9
## 21.3	29	1	3	3	4	4	51	9
## 22.2	29	1	3	3	4	4	51	9
## 23.1	29	1	3	3	4	4	51	9
## 24	29	1	3	3	4	4	51	9
## 17.6	29	1	3	3	4	4	51	9
## 18.5	29	1	3	3	4	4	51	9
## 21.4	29	1	3	3	4	4	51	9
## 22.3	29	1	3	3	4	4	51	9
## 23.2	29	1	3	3	4	4	51	9



## 24.1	29	1	3	3	4	4	51	9
## 25	29	1	3	3	4	4	51	9
## 17.7	29	1	3	3	4	4	51	9
## 18.6	29	1	3	3	4	4	51	9
## 21.5	29	1	3	3	4	4	51	9
## 22.4	29	1	3	3	4	4	51	9
## 23.3	29	1	3	3	4	4	51	9
## 24.2	29	1	3	3	4	4	51	9
## 25.1	29	1	3	3	4	4	51	9
## 26	29	1	3	3	4	4	51	9
## 17.8	29	1	3	3	4	4	51	9
## 18.7	29	1	3	3	4	4	51	9
## 21.6	29	1	3	3	4	4	51	9
## 22.5	29	1	3	3	4	4	51	9
## 23.4	29	1	3	3	4	4	51	9
## 24.3	29	1	3	3	4	4	51	9
## 25.2	29	1	3	3	4	4	51	9
## 26.1	29	1	3	3	4	4	51	9
## 27	29	1	3	3	4	4	51	9
## 17.9	29	1	3	3	4	4	51	9
## 18.8	29	1	3	3	4	4	51	9
## 21.7	29	1	3	3	4	4	51	9
## 22.6	29	1	3	3	4	4	51	9
## 23.5	29	1	3	3	4	4	51	9
## 24.4	29	1	3	3	4	4	51	9
## 25.3	29	1	3	3	4	4	51	9
## 26.2	29	1	3	3	4	4	51	9
## 27.1	29	1	3	3	4	4	51	9
## 28	29	1	3	3	4	4	51	9
## 17.10	29	1	3	3	4	4	51	9
## 18.9	29	1	3	3	4	4	51	9
## 21.8	29	1	3	3	4	4	51	9
## 22.7	29	1	3	3	4	4	51	9
## 23.6	29	1	3	3	4	4	51	9
## 24.5	29	1	3	3	4	4	51	9
## 25.4	29	1	3	3	4	4	51	9
## 26.3	29	1	3	3	4	4	51	9
## 27.2	29	1	3	3	4	4	51	9
## 28.1	29	1	3	3	4	4	51	9
## 29	29	1	3	3	4	4	51	9
## 17.11	29	1	3	3	4	4	51	9
## 18.10	29	1	3	3	4	4	51	9
## 21.9	29	1	3	3	4	4	51	9
## 22.8	29	1	3	3	4	4	51	9
## 23.7	29	1	3	3	4	4	51	9
## 24.6	29	1	3	3	4	4	51	9
## 25.5	29	1	3	3	4	4	51	9
## 26.4	29	1	3	3	4	4	51	9
## 27.3	29	1	3	3	4	4	51	9
## 28.2	29	1	3	3	4	4	51	9
## 29.1	29	1	3	3	4	4	51	9
## 30	29	1	3	3	4	4	51	9
## 17.12	29	1	3	3	4	4	51	9
## 18.11	29	1	3	3	4	4	51	9

## 21.10	29	1	3	3	4	4	51	9
## 22.9	29	1	3	3	4	4	51	9
## 23.8	29	1	3	3	4	4	51	9
## 24.7	29	1	3	3	4	4	51	9
## 25.6	29	1	3	3	4	4	51	9
## 26.5	29	1	3	3	4	4	51	9
## 27.4	29	1	3	3	4	4	51	9
## 28.3	29	1	3	3	4	4	51	9
## 29.2	29	1	3	3	4	4	51	9
## 30.1	29	1	3	3	4	4	51	9
## 31	29	1	3	3	4	4	51	9
## 17.13	29	1	3	3	4	4	51	9
## 18.12	29	1	3	3	4	4	51	9
## 21.11	29	1	3	3	4	4	51	9
## 22.10	29	1	3	3	4	4	51	9
## 23.9	29	1	3	3	4	4	51	9
## 24.8	29	1	3	3	4	4	51	9
## 25.7	29	1	3	3	4	4	51	9
## 26.6	29	1	3	3	4	4	51	9
## 27.5	29	1	3	3	4	4	51	9
## 28.4	29	1	3	3	4	4	51	9
## 29.3	29	1	3	3	4	4	51	9
## 30.2	29	1	3	3	4	4	51	9
## 31.1	29	1	3	3	4	4	51	9
## 32	29	1	3	3	4	4	51	9
## 17.14	29	1	3	3	4	4	51	9
## 18.13	29	1	3	3	4	4	51	9
## 21.12	29	1	3	3	4	4	51	9
## 22.11	29	1	3	3	4	4	51	9
## 23.10	29	1	3	3	4	4	51	9
## 24.9	29	1	3	3	4	4	51	9
## 25.8	29	1	3	3	4	4	51	9
## 26.7	29	1	3	3	4	4	51	9
## 27.6	29	1	3	3	4	4	51	9
## 28.5	29	1	3	3	4	4	51	9
## 29.4	29	1	3	3	4	4	51	9
## 30.3	29	1	3	3	4	4	51	9
## 31.2	29	1	3	3	4	4	51	9
## 32.1	29	1	3	3	4	4	51	9
## 33	29	1	3	3	4	4	51	9
## 17.15	29	1	3	3	4	4	51	9
## 18.14	29	1	3	3	4	4	51	9
## 21.13	29	1	3	3	4	4	51	9
## 22.12	29	1	3	3	4	4	51	9
## 23.11	29	1	3	3	4	4	51	9
## 24.10	29	1	3	3	4	4	51	9
## 25.9	29	1	3	3	4	4	51	9
## 26.8	29	1	3	3	4	4	51	9
## 27.7	29	1	3	3	4	4	51	9
## 28.6	29	1	3	3	4	4	51	9
## 29.5	29	1	3	3	4	4	51	9
## 30.4	29	1	3	3	4	4	51	9
## 31.3	29	1	3	3	4	4	51	9
## 32.2	29	1	3	3	4	4	51	9

## 33.1	29	1	3	3	4	4	51	9
## 34	29	1	3	3	4	4	51	9
## 17.16	29	1	3	3	4	4	51	9
## 18.15	29	1	3	3	4	4	51	9
## 21.14	29	1	3	3	4	4	51	9
## 22.13	29	1	3	3	4	4	51	9
## 23.12	29	1	3	3	4	4	51	9
## 24.11	29	1	3	3	4	4	51	9
## 25.10	29	1	3	3	4	4	51	9
## 26.9	29	1	3	3	4	4	51	9
## 27.8	29	1	3	3	4	4	51	9
## 28.7	29	1	3	3	4	4	51	9
## 29.6	29	1	3	3	4	4	51	9
## 30.5	29	1	3	3	4	4	51	9
## 31.4	29	1	3	3	4	4	51	9
## 32.3	29	1	3	3	4	4	51	9
## 33.2	29	1	3	3	4	4	51	9
## 34.1	29	1	3	3	4	4	51	9
## 35	29	1	3	3	4	4	51	9
## 17.17	29	1	3	3	4	4	51	9
## 18.16	29	1	3	3	4	4	51	9
## 21.15	29	1	3	3	4	4	51	9
## 22.14	29	1	3	3	4	4	51	9
## 23.13	29	1	3	3	4	4	51	9
## 24.12	29	1	3	3	4	4	51	9
## 25.11	29	1	3	3	4	4	51	9
## 26.10	29	1	3	3	4	4	51	9
## 27.9	29	1	3	3	4	4	51	9
## 28.8	29	1	3	3	4	4	51	9
## 29.7	29	1	3	3	4	4	51	9
## 30.6	29	1	3	3	4	4	51	9
## 31.5	29	1	3	3	4	4	51	9
## 32.4	29	1	3	3	4	4	51	9
## 33.3	29	1	3	3	4	4	51	9
## 34.2	29	1	3	3	4	4	51	9
## 35.1	29	1	3	3	4	4	51	9
## 36	29	1	3	3	4	4	51	9
## 17.18	29	1	3	3	4	4	51	9
## 18.17	29	1	3	3	4	4	51	9
## 21.16	29	1	3	3	4	4	51	9
## 22.15	29	1	3	3	4	4	51	9
## 23.14	29	1	3	3	4	4	51	9
## 24.13	29	1	3	3	4	4	51	9
## 25.12	29	1	3	3	4	4	51	9
## 26.11	29	1	3	3	4	4	51	9
## 27.10	29	1	3	3	4	4	51	9
## 28.9	29	1	3	3	4	4	51	9
## 29.8	29	1	3	3	4	4	51	9
## 30.7	29	1	3	3	4	4	51	9
## 31.6	29	1	3	3	4	4	51	9
## 32.5	29	1	3	3	4	4	51	9
## 33.4	29	1	3	3	4	4	51	9
## 34.3	29	1	3	3	4	4	51	9
## 35.2	29	1	3	3	4	4	51	9

## 36.1	29	1	3	3	4	4	51	9
## 37	29	1	3	3	4	4	51	9
## 17.19	29	1	3	3	4	4	51	9
## 18.18	29	1	3	3	4	4	51	9
## 21.17	29	1	3	3	4	4	51	9
## 22.16	29	1	3	3	4	4	51	9
## 23.15	29	1	3	3	4	4	51	9
## 24.14	29	1	3	3	4	4	51	9
## 25.13	29	1	3	3	4	4	51	9
## 26.12	29	1	3	3	4	4	51	9
## 27.11	29	1	3	3	4	4	51	9
## 28.10	29	1	3	3	4	4	51	9
## 29.9	29	1	3	3	4	4	51	9
## 30.8	29	1	3	3	4	4	51	9
## 31.7	29	1	3	3	4	4	51	9
## 32.6	29	1	3	3	4	4	51	9
## 33.5	29	1	3	3	4	4	51	9
## 34.4	29	1	3	3	4	4	51	9
## 35.3	29	1	3	3	4	4	51	9
## 36.2	29	1	3	3	4	4	51	9
## 37.1	29	1	3	3	4	4	51	9
## 38	29	1	3	3	4	4	51	9
## 17.20	29	1	3	3	4	4	51	9
## 18.19	29	1	3	3	4	4	51	9
## 21.18	29	1	3	3	4	4	51	9
## 22.17	29	1	3	3	4	4	51	9
## 23.16	29	1	3	3	4	4	51	9
## 24.15	29	1	3	3	4	4	51	9
## 25.14	29	1	3	3	4	4	51	9
## 26.13	29	1	3	3	4	4	51	9
## 27.12	29	1	3	3	4	4	51	9
## 28.11	29	1	3	3	4	4	51	9
## 29.10	29	1	3	3	4	4	51	9
## 30.9	29	1	3	3	4	4	51	9
## 31.8	29	1	3	3	4	4	51	9
## 32.7	29	1	3	3	4	4	51	9
## 33.6	29	1	3	3	4	4	51	9
## 34.5	29	1	3	3	4	4	51	9
## 35.4	29	1	3	3	4	4	51	9
## 36.3	29	1	3	3	4	4	51	9
## 37.2	29	1	3	3	4	4	51	9
## 38.1	29	1	3	3	4	4	51	9
## 39	29	1	3	3	4	4	51	9
## 17.21	29	1	3	3	4	4	51	9
## 18.20	29	1	3	3	4	4	51	9
## 21.19	29	1	3	3	4	4	51	9
## 22.18	29	1	3	3	4	4	51	9
## 23.17	29	1	3	3	4	4	51	9
## 24.16	29	1	3	3	4	4	51	9
## 25.15	29	1	3	3	4	4	51	9
## 26.14	29	1	3	3	4	4	51	9
## 27.13	29	1	3	3	4	4	51	9
## 28.12	29	1	3	3	4	4	51	9
## 29.11	29	1	3	3	4	4	51	9

## 30.10	29	1	3	3	4	4	51	9
## 31.9	29	1	3	3	4	4	51	9
## 32.8	29	1	3	3	4	4	51	9
## 33.7	29	1	3	3	4	4	51	9
## 34.6	29	1	3	3	4	4	51	9
## 35.5	29	1	3	3	4	4	51	9
## 36.4	29	1	3	3	4	4	51	9
## 37.3	29	1	3	3	4	4	51	9
## 38.2	29	1	3	3	4	4	51	9
## 39.1	29	1	3	3	4	4	51	9
## 41	29	1	3	3	4	4	51	9
## 10	29	1	1	2	4	1	8	9
## 50	27	1	2	3	5	2	50	9
## 51	25	1	2	2	5	2	50	9
## 58	26	1	2	2	5	1	50	9
## 44	26	1	1	3	4	1	26	9
## 49	25	1	1	3	4	4	10	9
## 9	27	1	3	3	4	10	49	9
## 58.1	26	1	2	2	5	1	50	9
## 59	26	1	2	2	5	1	50	9
## 74	27	1	3	2	4	6	49	9
## 76	27	1	1	2	5	4	26	9
## 88	26	1	1	2	5	4	26	9
## 83	26	1	1	3	5	4	26	9
## 89	28	1	1	2	5	1	49	9
## 79	28	1	1	3	5	4	49	9
## 76.1	27	1	1	2	5	4	26	9
## 77	27	1	1	2	5	4	26	9
## 73	25	1	2	3	5	10	13	9
## 72	23	1	1	3	5	10	26	9
## 71	25	1	1	3	5	4	26	9
## 96	23	1	1	5	5	4	26	9
## 74.1	27	1	3	2	4	6	49	9
## 75	27	1	3	2	4	6	49	9
## 104	31	3	4	3	4	1	13	9
## 119	26	1	3	2	4	10	51	9
## 129	13	1	6	4	16	18	38	3
## 128	26	1	6	3	4	17	46	1
## 122	24	1	6	3	4	17	26	1
## 142	28	2	3	2	13	1	45	7
## 150	25	2	3	2	10	8	21	9
## 121	29	2	3	3	10	8	12	9
## 167	25	2	3	3	4	8	49	9
## 121.1	29	2	3	3	10	8	12	9
## 154	29	2	3	3	10	8	12	9
## 142.1	28	2	3	2	13	1	45	7
## 146	28	2	3	2	13	1	45	7
## 119.1	26	1	3	2	4	10	51	9
## 120	26	1	3	2	4	10	51	9
## 177	24	1	2	2	5	8	51	9
## 174	27	2	3	3	4	8	49	9
## 175	24	1	3	3	4	10	48	9
## 176	26	1	3	3	4	4	9	9
## 135	25	1	1	3	4	5	47	7

## 169	28	1	3	3	4	8	12	9
## 196	21	2	3	2	13	8	21	7
## 196.1	21	2	3	2	13	8	21	7
## 197	21	2	3	2	13	8	21	7
## 196.2	21	2	3	2	13	8	21	7
## 197.1	21	2	3	2	13	8	21	7
## 198	21	2	3	2	13	8	21	7
## 196.3	21	2	3	2	13	8	21	7
## 197.2	21	2	3	2	13	8	21	7
## 198.1	21	2	3	2	13	8	21	7
## 199	21	2	3	2	13	8	21	7
## 196.4	21	2	3	2	13	8	21	7
## 197.3	21	2	3	2	13	8	21	7
## 198.2	21	2	3	2	13	8	21	7
## 199.1	21	2	3	2	13	8	21	7
## 200	21	2	3	2	13	8	21	7
## 195	25	1	3	3	4	10	12	9
## 206	15	1	6	2	23	17	27	2
## 208	16	1	6	3	4	17	26	2
## 213	15	1	6	3	4	17	27	2
## 213.1	15	1	6	3	4	17	27	2
## 214	15	1	6	3	4	17	27	2
## 213.2	15	1	6	3	4	17	27	2
## 214.1	15	1	6	3	4	17	27	2
## 215	15	1	6	3	4	17	27	2
## 217	14	1	6	2	23	24	27	2
## 217.1	14	1	6	2	23	24	27	2
## 218	14	1	6	2	23	24	27	2
## 231	22	1	6	3	4	18	38	2
## 242	19	1	6	3	16	18	26	3
## 250	20	1	6	3	4	17	5	2
## 223	18	1	9	3	4	19	38	3
## 238	23	1	3	2	5	4	49	9
## 246	18	2	9	3	4	19	38	1
## 246.1	18	2	9	3	4	19	38	1
## 260	18	2	9	3	4	19	38	1
## 282	23	1	6	3	4	17	2	2
## 284	29	2	3	5	4	8	13	9
## 196.5	21	2	3	2	13	8	21	7
## 197.4	21	2	3	2	13	8	21	7
## 198.3	21	2	3	2	13	8	21	7
## 199.2	21	2	3	2	13	8	21	7
## 200.1	21	2	3	2	13	8	21	7
## 201	21	2	3	2	13	8	21	7
## 195.1	25	1	3	3	4	10	12	9
## 202	25	1	3	3	4	10	12	9
## 238.1	23	1	3	2	5	4	49	9
## 254	23	1	3	2	5	4	49	9
## 296	25	1	3	2	4	1	44	9
## 237	23	1	3	2	4	4	49	9
## 296.1	25	1	3	2	4	1	44	9
## 297	25	1	3	2	4	1	44	9
## 275	20	1	6	3	4	19	26	3
## 296.2	25	1	3	2	4	1	44	9

## 297.1	25	1	3	2	4	1	44	9
## 299	25	1	3	2	4	1	44	9
## 237.1	23	1	3	2	4	4	49	9
## 298	23	1	3	2	4	4	49	9
## 292	22	1	3	3	4	10	3	9
## 195.2	25	1	3	3	4	10	12	9
## 202.1	25	1	3	3	4	10	12	9
## 293	25	1	3	3	4	10	12	9
## 317	25	1	1	2	4	8	30	9
## 316	26	2	3	5	4	8	13	9
## 322	31	2	9	4	4	27	46	4
## 324	19	1	6	3	26	18	2	4
## 329	29	2	5	3	4	19	47	1
## 337	28	1	9	3	4	17	41	1
## 355	24	1	9	3	4	17	46	1
## 322.1	31	2	9	4	4	27	46	4
## 323	31	2	9	4	4	27	46	4
## 320	30	2	3	3	4	8	49	7
## 317.1	25	1	1	2	4	8	30	9
## 318	25	1	1	2	4	8	30	9
## 319	25	2	3	3	4	6	51	9
## 317.2	25	1	1	2	4	8	30	9
## 318.1	25	1	1	2	4	8	30	9
## 375	25	1	1	2	4	8	30	9
## 393	32	3	5	4	4	17	46	4
## 316.1	26	2	3	5	4	8	13	9
## 321	26	2	3	5	4	8	13	9
## 381	28	2	3	3	4	8	21	7
## 399	25	2	3	3	4	10	26	9
## 399.1	25	2	3	3	4	10	26	9
## 400	25	2	3	3	4	10	26	9
## 402	23	1	6	3	4	24	46	1
## 408	30	2	9	3	4	37	46	4
## 408.1	30	2	9	3	4	37	46	4
## 409	30	2	9	3	4	37	46	4
## 417	36	3	9	3	4	28	8	4
## 411	36	3	9	3	4	28	46	1
## 408.2	30	2	9	3	4	37	46	4
## 409.1	30	2	9	3	4	37	46	4
## 410	30	2	9	3	4	37	46	4
## 431	31	2	9	3	4	34	46	1
## 435	30	3	9	3	4	34	46	1
## 433	30	2	9	3	4	34	46	1
## 427	28	1	9	3	4	34	26	1
## 447	19	1	9	2	26	26	46	4
## 449	22	1	1	2	26	25	2	4
## 465	31	3	5	3	4	17	46	1
## 470	22	1	9	4	4	18	46	1
## 460	34	3	9	3	4	17	41	1
## 479	34	3	9	3	4	28	8	4
## 402.1	23	1	6	3	4	24	46	1
## 403	23	1	6	3	4	24	46	1
## 502	31	3	9	4	4	17	4	1
## 502.1	31	3	9	4	4	17	4	1

## 503	31	3	9	4	4	17	4	1
## 497	25	1	1	2	4	13	38	9
## 514	28	2	9	3	4	17	46	1
## 507	24	1	1	3	4	13	38	9
## 399.2	25	2	3	3	4	10	26	9
## 400.1	25	2	3	3	4	10	26	9
## 401	25	2	3	3	4	10	26	9
## 497.1	25	1	1	2	4	13	38	9
## 508	25	1	1	2	4	13	38	9
## 495	25	1	1	3	5	32	38	9
## 572	24	1	2	3	30	40	27	7
## 574	24	1	2	2	30	40	27	7
## 574.1	24	1	2	2	30	40	27	7
## 575	24	1	2	2	30	40	27	7
## 579	23	1	1	2	30	30	27	7
## 579.1	23	1	1	2	30	30	27	7
## 582	23	1	1	2	30	30	27	7
## 586	25	1	1	5	30	40	27	7
## 572.1	24	1	2	3	30	40	27	7
## 573	24	1	2	3	30	40	27	7
## 599	25	1	2	2	28	39	26	9
## 612	30	2	9	3	4	17	4	1
## 617	26	1	1	3	4	32	7	7
## 616	29	2	9	3	4	17	38	1
## 641	30	2	9	3	4	17	4	1
## 662	29	2	9	3	4	17	26	1
## 668	23	2	1	2	4	11	43	7
## 678	27	1	1	5	4	3	8	7
## 677	28	2	1	3	4	10	7	9
## 647	28	2	3	3	4	4	51	9
## 700	32	2	3	3	4	10	21	9
## 704	24	1	2	2	30	55	39	7
## 709	25	1	2	2	28	41	6	9
## 732	26	1	2	2	28	44	7	9
## 806	25	1	1	3	4	3	22	7
## 700.1	32	2	3	3	4	10	21	9
## 701	32	2	3	3	4	10	21	9
## 851	17	2	9	3	4	18	38	2
## 859	32	2	3	3	4	4	31	9
## 887	24	1	2	3	1	40	16	7
## 894	24	1	2	3	30	47	27	7
## 896	25	1	2	3	30	47	27	7
## 899	25	1	2	3	4	55	43	9
## 901	25	1	2	2	4	55	26	9
## 910	25	1	2	2	30	55	27	7
## 894.1	24	1	2	3	30	47	27	7
## 900	24	1	2	3	30	47	27	7
## 917	26	1	2	2	36	44	26	9
## 926	26	1	2	2	4	55	43	9
## 892	24	1	2	2	30	55	27	7
## 945	26	1	1	3	4	40	26	7
## 937	25	1	1	2	30	40	26	7
## 908	26	1	1	3	4	47	7	7
## 958	24	1	2	2	36	44	7	9



## 971	26	1	2	2	4	39	26	9
## 985	25	1	1	3	4	23	2	4
## 1019	24	2	9	3	4	18	46	1
## 1039	22	1	1	2	11	3	38	4
## 1017	24	2	9	3	4	11	46	1
## 1097	25	1	1	3	4	3	43	7
## 1135	27	1	1	3	8	11	26	7
## 1135.1	27	1	1	3	8	11	26	7
## 1136	27	1	1	3	8	11	26	7
## 1139	18	1	1	3	4	23	38	4
## 1139.1	18	1	1	3	4	23	38	4
## 1140	18	1	1	3	4	23	38	4
## 1145	27	1	1	3	4	3	26	7
## 1143	26	1	1	3	4	11	26	7
## 1145.1	27	1	1	3	4	3	26	7
## 1146	27	1	1	3	4	3	26	7
## 1138	26	1	1	3	4	3	26	7
## 1167	24	1	1	2	26	52	1	4
## 1173	23	1	1	2	30	52	39	4
## 1175	25	1	2	2	4	52	12	7
## 1178	25	1	1	3	4	40	27	7
## 1217	26	2	4	2	4	11	53	9
## 1211	32	2	3	3	4	10	51	9
## 1131	37	2	9	6	4	17	41	1
## 1250	23	2	4	2	4	46	14	9
## 1253	23	3	4	3	4	46	45	9
## 1268	35	3	5	3	4	48	4	1
## 1248	32	2	1	3	4	4	45	9
## 1249	30	2	1	3	4	4	43	9
## 1216	30	2	4	3	4	11	12	9
## 1216.1	30	2	4	3	4	11	12	9
## 1280	30	2	4	3	4	11	12	9
## 1266	31	3	5	3	4	17	5	1
## 1293	22	1	1	3	8	23	26	7
## 1295	19	1	1	2	4	7	26	4
## 1295.1	19	1	1	2	4	7	26	4
## 1296	19	1	1	2	4	7	26	4
## 1305	22	1	1	3	4	23	38	7
## 1308	17	1	1	3	14	7	2	1
## 1308.1	17	1	1	3	14	7	2	1
## 1309	17	1	1	3	14	7	2	1
## 1311	18	1	1	2	14	23	38	1
## 1315	19	1	1	2	11	7	38	4
## 1315.1	19	1	1	2	11	7	38	4
## 1316	19	1	1	2	11	7	38	4
## 1318	24	1	1	3	4	11	26	7
## 1320	23	1	1	3	4	23	38	7
## 1315.2	19	1	1	2	11	7	38	4
## 1316.1	19	1	1	2	11	7	38	4
## 1317	19	1	1	2	11	7	38	4
## 1327	22	1	1	2	11	23	26	4
## 1341	24	1	1	3	4	11	26	7
## 1345	24	1	1	3	4	3	26	7
## 1350	25	1	1	3	4	7	2	7

## 1408	29	2	9	3	4	17	47	1
## 1438	25	3	4	3	40	11	45	9
## 1443	27	3	4	3	4	11	8	9
## 1443.1	27	3	4	3	4	11	8	9
## 1444	27	3	4	3	4	11	8	9
## 1290	36	3	4	3	4	43	49	7
## 1465	32	2	3	3	4	10	51	7
## 1474	29	2	9	2	4	17	47	1
## 1474.1	29	2	9	2	4	17	47	1
## 1475	29	2	9	2	4	17	47	1
## 1485	25	1	9	3	4	34	41	2
## 1503	30	1	1	3	4	2	22	9
## 1506	30	2	1	3	4	4	50	9
## 1509	26	1	6	3	4	18	46	1
## 1533	26	2	1	3	4	3	38	7
## 1533.1	26	2	1	3	4	3	38	7
## 1534	26	2	1	3	4	3	38	7
## 1533.2	26	2	1	3	4	3	38	7
## 1534.1	26	2	1	3	4	3	38	7
## 1537	26	2	1	3	4	3	38	7
## 1533.3	26	2	1	3	4	3	38	7
## 1534.2	26	2	1	3	4	3	38	7
## 1537.1	26	2	1	3	4	3	38	7
## 1539	26	2	1	3	4	3	38	7
## 1545	26	2	1	3	4	3	2	7
## 1545.1	26	2	1	3	4	3	2	7
## 1546	26	2	1	3	4	3	2	7
## 1548	26	2	1	2	4	3	2	7
## 1552	24	1	1	3	4	16	2	7
## 1552.1	24	1	1	3	4	16	2	7
## 1557	24	1	1	3	4	16	2	7
## 1571	29	2	1	2	4	3	26	7
## 1580	16	1	6	3	24	26	46	1
## 1570	27	2	1	5	4	3	43	7
## 1584	16	1	6	3	4	33	46	1
## 1584.1	16	1	6	3	4	33	46	1
## 1606	16	1	6	3	4	33	46	1
## 1609	27	2	1	3	4	3	26	7
## 1612	20	1	1	3	4	7	26	4
## 1624	22	1	1	3	4	59	46	4
## 1629	22	1	1	2	24	36	46	1
## 1631	23	1	1	3	26	59	46	4
## 1642	26	1	2	5	1	44	54	9
## 1663	27	1	2	3	4	51	7	9
## 1702	24	1	6	3	4	17	5	1
## 1700	25	2	9	3	4	17	5	1
## 1719	31	1	1	3	4	3	43	9
## 1719.1	31	1	1	3	4	3	43	9
## 1720	31	1	1	3	4	3	43	9
## 1731	29	2	3	3	4	4	45	4
## 1742	36	3	4	3	4	6	21	7
## 1698	28	2	3	3	4	2	22	9
## 1749	34	3	4	3	4	43	26	9
## 1741	35	3	4	3	4	43	49	9

## 1768	29	2	9	3	4	17	41	1
## 1807	30	3	4	3	4	43	45	9
## 1771	29	3	4	3	4	10	45	9
## 1814	23	2	1	3	4	7	2	4
## 1830	18	1	1	2	4	11	2	1
## 1848	24	2	1	3	4	11	38	7
## 1853	24	1	1	3	4	52	46	4
## 1863	20	1	1	4	24	59	46	1
## 1862	20	1	1	2	24	59	46	1
## 1862.1	20	1	1	2	24	59	46	1
## 1867	20	1	1	2	24	59	46	1
## 1865	21	1	1	3	4	52	46	4
## 1862.2	20	1	1	2	24	59	46	1
## 1867.1	20	1	1	2	24	59	46	1
## 1868	20	1	1	2	24	59	46	1
## 1862.3	20	1	1	2	24	59	46	1
## 1867.2	20	1	1	2	24	59	46	1
## 1868.1	20	1	1	2	24	59	46	1
## 1872	20	1	1	2	24	59	46	1
## 1879	26	1	2	3	30	47	46	7
## 1911	36	2	3	3	4	6	12	9
## 1952	32	3	4	3	4	60	13	9
## 1954	31	3	4	3	4	60	27	9
## 1973	22	1	6	3	4	18	26	3
## 1989	20	2	1	3	11	11	38	4
## 1994	30	2	9	3	4	19	4	1
## 1996	30	2	6	3	4	19	4	1
## 1998	20	2	6	2	17	18	38	1
## 1998.1	20	2	6	2	17	18	38	1
## 1999	20	2	6	2	17	18	38	1
## 2001	26	2	9	3	4	19	46	1
## 2021	24	1	6	3	4	17	2	2
## 2015	29	1	9	3	4	17	4	2
## 2029	24	2	1	3	4	7	12	7
## 2034	24	2	1	3	4	11	38	7
## 2039	19	1	1	2	4	59	46	1
## 2045	19	1	9	3	4	52	46	1
## 2064	24	1	1	2	4	52	44	4
## 2062	24	1	1	3	26	52	27	4
## 2069	24	1	1	3	4	52	44	4
## 2064.1	24	1	1	2	4	52	44	4
## 2070	24	1	1	2	4	52	44	4
## 2101	30	3	4	2	12	10	49	9
## 2110	34	3	4	3	4	60	49	9
## 2113	24	3	4	2	12	4	45	9
## 2131	28	2	3	3	4	3	26	9
## 2131.1	28	2	3	3	4	3	26	9
## 2132	28	2	3	3	4	3	26	9
## 2135	28	2	1	3	4	32	8	7
## 2145	35	2	3	3	4	1	28	9
## 2153	36	2	4	3	4	10	49	9
## 2162	29	2	6	4	20	19	46	2
## 2162.1	29	2	6	4	20	19	46	2
## 2163	29	2	6	4	20	19	46	2

## 2168	26	2	6	3	4	16	38	1
## 2168.1	26	2	6	3	4	16	38	1
## 2169	26	2	6	3	4	16	38	1
## 2179	29	2	6	3	4	17	46	2
## 2178	28	2	6	3	4	17	47	1
## 2182	28	2	6	3	4	19	47	2
## 2162.2	29	2	6	4	20	19	46	2
## 2163.1	29	2	6	4	20	19	46	2
## 2164	29	2	6	4	20	19	46	2
## 2187	28	2	6	3	4	19	46	1
## 2162.3	29	2	6	4	20	19	46	2
## 2163.2	29	2	6	4	20	19	46	2
## 2164.1	29	2	6	4	20	19	46	2
## 2184	29	2	6	4	20	19	46	2
## 2174	29	2	6	3	4	19	46	1
## 2179.1	29	2	6	3	4	17	46	2
## 2180	29	2	6	3	4	17	46	2
## 2212	35	2	9	3	4	17	4	1
## 2229	22	2	6	3	4	16	47	2
## 2229.1	22	2	6	3	4	16	47	2
## 2230	22	2	6	3	4	16	47	2
## 2237	33	1	9	3	4	17	41	2
## 2247	26	2	1	3	4	16	2	7
## 2252	26	2	1	3	4	16	12	7
## 2275	25	1	1	3	4	52	26	4
## 2282	25	1	1	3	4	52	26	7
## 2273	26	1	1	3	4	52	26	7
## 2273.1	26	1	1	3	4	52	26	7
## 2285	26	1	1	3	4	52	26	7
## 2287	23	1	1	3	30	52	39	7
## 2292	24	1	1	3	4	52	27	7
## 2297	23	1	1	2	30	59	44	7
## 2300	24	1	1	2	30	52	44	7
## 2302	26	1	1	3	4	52	26	7
## 2308	25	1	1	2	30	52	26	7
## 2308.1	25	1	1	2	30	52	26	7
## 2309	25	1	1	2	30	52	26	7
## 2323	26	1	1	2	36	55	26	9
## 2339	27	1	2	3	4	45	13	9
## 2357	32	3	8	2	4	60	49	9
## 2360	33	3	8	3	4	43	49	7
## 2349	31	3	8	4	4	60	49	7
## 2367	31	2	3	3	4	32	7	9
## 2366	35	3	4	3	4	1	26	9
## 2380	33	2	3	3	4	10	15	9
## 2418	30	2	3	3	40	32	31	9
## 2433	32	2	3	3	12	32	22	9
## 2442	34	2	3	3	4	32	22	9
## 2450	39	2	3	3	4	2	22	9
## 2463	28	2	9	3	20	16	38	2
## 2480	36	2	5	3	4	17	41	1
## 2493	31	1	9	3	25	17	4	2
## 2504	30	2	9	3	4	17	46	1
## 2508	33	2	9	3	4	17	4	1

## 2512	32	2	5	3	4	17	4	1
## 2525	22	2	1	2	8	7	38	7
## 2533	28	1	2	6	4	40	55	7
## 2541	26	1	2	6	4	52	26	7
## 2548	26	1	2	3	30	55	51	7
## 2556	25	1	2	3	4	55	12	7
## 2568	27	1	2	3	4	40	26	7
## 2574	26	1	2	3	4	44	12	9
## 2573	25	1	1	2	4	44	26	9
## 2574.1	26	1	2	3	4	44	12	9
## 2575	26	1	2	3	4	44	12	9
## 2585	26	1	2	3	36	44	26	9
## 2574.2	26	1	2	3	4	44	12	9
## 2575.1	26	1	2	3	4	44	12	9
## 2579	26	1	2	3	4	44	12	9
## 2574.3	26	1	2	3	4	44	12	9
## 2575.2	26	1	2	3	4	44	12	9
## 2579.1	26	1	2	3	4	44	12	9
## 2591	26	1	2	3	4	44	12	9
## 2574.4	26	1	2	3	4	44	12	9
##	Suelosvs	Bioclivs1	Bioclivs2	Bioclivs3	Bioclivs4	Climavs1	Climavs2	
## 3	6	1	0	0	0	1	0	
## 3.1	6	1	0	0	0	1	0	
## 4	6	1	0	0	0	1	0	
## 2	2	1	0	0	0	1	0	
## 11	4	1	0	0	0	1	0	
## 11.1	4	1	0	0	0	1	0	
## 12	4	1	0	0	0	1	0	
## 11.2	4	1	0	0	0	1	0	
## 12.1	4	1	0	0	0	1	0	
## 13	4	1	0	0	0	1	0	
## 11.3	4	1	0	0	0	1	0	
## 12.2	4	1	0	0	0	1	0	
## 13.1	4	1	0	0	0	1	0	
## 14	4	1	0	0	0	1	0	
## 11.4	4	1	0	0	0	1	0	
## 12.3	4	1	0	0	0	1	0	
## 13.2	4	1	0	0	0	1	0	
## 14.1	4	1	0	0	0	1	0	
## 15	4	1	0	0	0	1	0	
## 17	7	1	0	0	0	0	0	
## 11.5	4	1	0	0	0	1	0	
## 12.4	4	1	0	0	0	1	0	
## 13.3	4	1	0	0	0	1	0	
## 14.2	4	1	0	0	0	1	0	
## 15.1	4	1	0	0	0	1	0	
## 16	4	1	0	0	0	1	0	
## 17.1	7	1	0	0	0	0	0	
## 18	7	1	0	0	0	0	0	
## 17.2	7	1	0	0	0	0	0	
## 18.1	7	1	0	0	0	0	0	
## 21	7	1	0	0	0	0	0	
## 17.3	7	1	0	0	0	0	0	
## 18.2	7	1	0	0	0	0	0	

## 21.1	7	1	0	0	0	0	0
## 22	7	1	0	0	0	0	0
## 17.4	7	1	0	0	0	0	0
## 18.3	7	1	0	0	0	0	0
## 21.2	7	1	0	0	0	0	0
## 22.1	7	1	0	0	0	0	0
## 23	7	1	0	0	0	0	0
## 17.5	7	1	0	0	0	0	0
## 18.4	7	1	0	0	0	0	0
## 21.3	7	1	0	0	0	0	0
## 22.2	7	1	0	0	0	0	0
## 23.1	7	1	0	0	0	0	0
## 24	7	1	0	0	0	0	0
## 17.6	7	1	0	0	0	0	0
## 18.5	7	1	0	0	0	0	0
## 21.4	7	1	0	0	0	0	0
## 22.3	7	1	0	0	0	0	0
## 23.2	7	1	0	0	0	0	0
## 24.1	7	1	0	0	0	0	0
## 25	7	1	0	0	0	0	0
## 17.7	7	1	0	0	0	0	0
## 18.6	7	1	0	0	0	0	0
## 21.5	7	1	0	0	0	0	0
## 22.4	7	1	0	0	0	0	0
## 23.3	7	1	0	0	0	0	0
## 24.2	7	1	0	0	0	0	0
## 25.1	7	1	0	0	0	0	0
## 26	7	1	0	0	0	0	0
## 17.8	7	1	0	0	0	0	0
## 18.7	7	1	0	0	0	0	0
## 21.6	7	1	0	0	0	0	0
## 22.5	7	1	0	0	0	0	0
## 23.4	7	1	0	0	0	0	0
## 24.3	7	1	0	0	0	0	0
## 25.2	7	1	0	0	0	0	0
## 26.1	7	1	0	0	0	0	0
## 27	7	1	0	0	0	0	0
## 17.9	7	1	0	0	0	0	0
## 18.8	7	1	0	0	0	0	0
## 21.7	7	1	0	0	0	0	0
## 22.6	7	1	0	0	0	0	0
## 23.5	7	1	0	0	0	0	0
## 24.4	7	1	0	0	0	0	0
## 25.3	7	1	0	0	0	0	0
## 26.2	7	1	0	0	0	0	0
## 27.1	7	1	0	0	0	0	0
## 28	7	1	0	0	0	0	0
## 17.10	7	1	0	0	0	0	0
## 18.9	7	1	0	0	0	0	0
## 21.8	7	1	0	0	0	0	0
## 22.7	7	1	0	0	0	0	0
## 23.6	7	1	0	0	0	0	0
## 24.5	7	1	0	0	0	0	0
## 25.4	7	1	0	0	0	0	0

## 26.3	7	1	0	0	0	0	0
## 27.2	7	1	0	0	0	0	0
## 28.1	7	1	0	0	0	0	0
## 29	7	1	0	0	0	0	0
## 17.11	7	1	0	0	0	0	0
## 18.10	7	1	0	0	0	0	0
## 21.9	7	1	0	0	0	0	0
## 22.8	7	1	0	0	0	0	0
## 23.7	7	1	0	0	0	0	0
## 24.6	7	1	0	0	0	0	0
## 25.5	7	1	0	0	0	0	0
## 26.4	7	1	0	0	0	0	0
## 27.3	7	1	0	0	0	0	0
## 28.2	7	1	0	0	0	0	0
## 29.1	7	1	0	0	0	0	0
## 30	7	1	0	0	0	0	0
## 17.12	7	1	0	0	0	0	0
## 18.11	7	1	0	0	0	0	0
## 21.10	7	1	0	0	0	0	0
## 22.9	7	1	0	0	0	0	0
## 23.8	7	1	0	0	0	0	0
## 24.7	7	1	0	0	0	0	0
## 25.6	7	1	0	0	0	0	0
## 26.5	7	1	0	0	0	0	0
## 27.4	7	1	0	0	0	0	0
## 28.3	7	1	0	0	0	0	0
## 29.2	7	1	0	0	0	0	0
## 30.1	7	1	0	0	0	0	0
## 31	7	1	0	0	0	0	0
## 17.13	7	1	0	0	0	0	0
## 18.12	7	1	0	0	0	0	0
## 21.11	7	1	0	0	0	0	0
## 22.10	7	1	0	0	0	0	0
## 23.9	7	1	0	0	0	0	0
## 24.8	7	1	0	0	0	0	0
## 25.7	7	1	0	0	0	0	0
## 26.6	7	1	0	0	0	0	0
## 27.5	7	1	0	0	0	0	0
## 28.4	7	1	0	0	0	0	0
## 29.3	7	1	0	0	0	0	0
## 30.2	7	1	0	0	0	0	0
## 31.1	7	1	0	0	0	0	0
## 32	7	1	0	0	0	0	0
## 17.14	7	1	0	0	0	0	0
## 18.13	7	1	0	0	0	0	0
## 21.12	7	1	0	0	0	0	0
## 22.11	7	1	0	0	0	0	0
## 23.10	7	1	0	0	0	0	0
## 24.9	7	1	0	0	0	0	0
## 25.8	7	1	0	0	0	0	0
## 26.7	7	1	0	0	0	0	0
## 27.6	7	1	0	0	0	0	0
## 28.5	7	1	0	0	0	0	0
## 29.4	7	1	0	0	0	0	0

## 30.3	7	1	0	0	0	0	0
## 31.2	7	1	0	0	0	0	0
## 32.1	7	1	0	0	0	0	0
## 33	7	1	0	0	0	0	0
## 17.15	7	1	0	0	0	0	0
## 18.14	7	1	0	0	0	0	0
## 21.13	7	1	0	0	0	0	0
## 22.12	7	1	0	0	0	0	0
## 23.11	7	1	0	0	0	0	0
## 24.10	7	1	0	0	0	0	0
## 25.9	7	1	0	0	0	0	0
## 26.8	7	1	0	0	0	0	0
## 27.7	7	1	0	0	0	0	0
## 28.6	7	1	0	0	0	0	0
## 29.5	7	1	0	0	0	0	0
## 30.4	7	1	0	0	0	0	0
## 31.3	7	1	0	0	0	0	0
## 32.2	7	1	0	0	0	0	0
## 33.1	7	1	0	0	0	0	0
## 34	7	1	0	0	0	0	0
## 17.16	7	1	0	0	0	0	0
## 18.15	7	1	0	0	0	0	0
## 21.14	7	1	0	0	0	0	0
## 22.13	7	1	0	0	0	0	0
## 23.12	7	1	0	0	0	0	0
## 24.11	7	1	0	0	0	0	0
## 25.10	7	1	0	0	0	0	0
## 26.9	7	1	0	0	0	0	0
## 27.8	7	1	0	0	0	0	0
## 28.7	7	1	0	0	0	0	0
## 29.6	7	1	0	0	0	0	0
## 30.5	7	1	0	0	0	0	0
## 31.4	7	1	0	0	0	0	0
## 32.3	7	1	0	0	0	0	0
## 33.2	7	1	0	0	0	0	0
## 34.1	7	1	0	0	0	0	0
## 35	7	1	0	0	0	0	0
## 17.17	7	1	0	0	0	0	0
## 18.16	7	1	0	0	0	0	0
## 21.15	7	1	0	0	0	0	0
## 22.14	7	1	0	0	0	0	0
## 23.13	7	1	0	0	0	0	0
## 24.12	7	1	0	0	0	0	0
## 25.11	7	1	0	0	0	0	0
## 26.10	7	1	0	0	0	0	0
## 27.9	7	1	0	0	0	0	0
## 28.8	7	1	0	0	0	0	0
## 29.7	7	1	0	0	0	0	0
## 30.6	7	1	0	0	0	0	0
## 31.5	7	1	0	0	0	0	0
## 32.4	7	1	0	0	0	0	0
## 33.3	7	1	0	0	0	0	0
## 34.2	7	1	0	0	0	0	0
## 35.1	7	1	0	0	0	0	0



## 36	7	1	0	0	0	0	0
## 17.18	7	1	0	0	0	0	0
## 18.17	7	1	0	0	0	0	0
## 21.16	7	1	0	0	0	0	0
## 22.15	7	1	0	0	0	0	0
## 23.14	7	1	0	0	0	0	0
## 24.13	7	1	0	0	0	0	0
## 25.12	7	1	0	0	0	0	0
## 26.11	7	1	0	0	0	0	0
## 27.10	7	1	0	0	0	0	0
## 28.9	7	1	0	0	0	0	0
## 29.8	7	1	0	0	0	0	0
## 30.7	7	1	0	0	0	0	0
## 31.6	7	1	0	0	0	0	0
## 32.5	7	1	0	0	0	0	0
## 33.4	7	1	0	0	0	0	0
## 34.3	7	1	0	0	0	0	0
## 35.2	7	1	0	0	0	0	0
## 36.1	7	1	0	0	0	0	0
## 37	7	1	0	0	0	0	0
## 17.19	7	1	0	0	0	0	0
## 18.18	7	1	0	0	0	0	0
## 21.17	7	1	0	0	0	0	0
## 22.16	7	1	0	0	0	0	0
## 23.15	7	1	0	0	0	0	0
## 24.14	7	1	0	0	0	0	0
## 25.13	7	1	0	0	0	0	0
## 26.12	7	1	0	0	0	0	0
## 27.11	7	1	0	0	0	0	0
## 28.10	7	1	0	0	0	0	0
## 29.9	7	1	0	0	0	0	0
## 30.8	7	1	0	0	0	0	0
## 31.7	7	1	0	0	0	0	0
## 32.6	7	1	0	0	0	0	0
## 33.5	7	1	0	0	0	0	0
## 34.4	7	1	0	0	0	0	0
## 35.3	7	1	0	0	0	0	0
## 36.2	7	1	0	0	0	0	0
## 37.1	7	1	0	0	0	0	0
## 38	7	1	0	0	0	0	0
## 17.20	7	1	0	0	0	0	0
## 18.19	7	1	0	0	0	0	0
## 21.18	7	1	0	0	0	0	0
## 22.17	7	1	0	0	0	0	0
## 23.16	7	1	0	0	0	0	0
## 24.15	7	1	0	0	0	0	0
## 25.14	7	1	0	0	0	0	0
## 26.13	7	1	0	0	0	0	0
## 27.12	7	1	0	0	0	0	0
## 28.11	7	1	0	0	0	0	0
## 29.10	7	1	0	0	0	0	0
## 30.9	7	1	0	0	0	0	0
## 31.8	7	1	0	0	0	0	0
## 32.7	7	1	0	0	0	0	0

## 33.6	7	1	0	0	0	0	0
## 34.5	7	1	0	0	0	0	0
## 35.4	7	1	0	0	0	0	0
## 36.3	7	1	0	0	0	0	0
## 37.2	7	1	0	0	0	0	0
## 38.1	7	1	0	0	0	0	0
## 39	7	1	0	0	0	0	0
## 17.21	7	1	0	0	0	0	0
## 18.20	7	1	0	0	0	0	0
## 21.19	7	1	0	0	0	0	0
## 22.18	7	1	0	0	0	0	0
## 23.17	7	1	0	0	0	0	0
## 24.16	7	1	0	0	0	0	0
## 25.15	7	1	0	0	0	0	0
## 26.14	7	1	0	0	0	0	0
## 27.13	7	1	0	0	0	0	0
## 28.12	7	1	0	0	0	0	0
## 29.11	7	1	0	0	0	0	0
## 30.10	7	1	0	0	0	0	0
## 31.9	7	1	0	0	0	0	0
## 32.8	7	1	0	0	0	0	0
## 33.7	7	1	0	0	0	0	0
## 34.6	7	1	0	0	0	0	0
## 35.5	7	1	0	0	0	0	0
## 36.4	7	1	0	0	0	0	0
## 37.3	7	1	0	0	0	0	0
## 38.2	7	1	0	0	0	0	0
## 39.1	7	1	0	0	0	0	0
## 41	7	1	0	0	0	0	0
## 10	2	1	0	0	0	1	0
## 50	6	1	0	0	0	0	1
## 51	6	1	0	0	0	0	1
## 58	2	1	0	0	0	0	1
## 44	6	1	0	0	0	1	0
## 49	4	1	0	0	0	1	0
## 9	6	1	0	0	0	0	0
## 58.1	2	1	0	0	0	0	1
## 59	2	1	0	0	0	0	1
## 74	6	1	0	0	0	0	0
## 76	6	1	0	0	0	1	0
## 88	6	1	0	0	0	1	0
## 83	6	1	0	0	0	1	0
## 89	6	1	0	0	0	1	0
## 79	6	1	0	0	0	1	0
## 76.1	6	1	0	0	0	1	0
## 77	6	1	0	0	0	1	0
## 73	6	1	0	0	0	0	1
## 72	6	1	0	0	0	1	0
## 71	6	1	0	0	0	1	0
## 96	8	1	0	0	0	1	0
## 74.1	6	1	0	0	0	0	0
## 75	6	1	0	0	0	0	0
## 104	7	0	0	1	0	0	0
## 119	7	1	0	0	0	0	0

## 129	2	1	0	0	0	0	0
## 128	2	1	0	0	0	0	0
## 122	2	1	0	0	0	0	0
## 142	6	0	1	0	0	0	0
## 150	6	0	1	0	0	0	0
## 121	4	0	1	0	0	0	0
## 167	4	0	1	0	0	0	0
## 121.1	4	0	1	0	0	0	0
## 154	4	0	1	0	0	0	0
## 142.1	6	0	1	0	0	0	0
## 146	6	0	1	0	0	0	0
## 119.1	7	1	0	0	0	0	0
## 120	7	1	0	0	0	0	0
## 177	4	1	0	0	0	0	1
## 174	7	0	1	0	0	0	0
## 175	6	1	0	0	0	0	0
## 176	6	1	0	0	0	0	0
## 135	2	1	0	0	0	1	0
## 169	1	1	0	0	0	0	0
## 196	6	0	1	0	0	0	0
## 196.1	6	0	1	0	0	0	0
## 197	6	0	1	0	0	0	0
## 196.2	6	0	1	0	0	0	0
## 197.1	6	0	1	0	0	0	0
## 198	6	0	1	0	0	0	0
## 196.3	6	0	1	0	0	0	0
## 197.2	6	0	1	0	0	0	0
## 198.1	6	0	1	0	0	0	0
## 199	6	0	1	0	0	0	0
## 196.4	6	0	1	0	0	0	0
## 197.3	6	0	1	0	0	0	0
## 198.2	6	0	1	0	0	0	0
## 199.1	6	0	1	0	0	0	0
## 200	6	0	1	0	0	0	0
## 195	7	1	0	0	0	0	0
## 206	2	1	0	0	0	0	0
## 208	2	1	0	0	0	0	0
## 213	6	1	0	0	0	0	0
## 213.1	6	1	0	0	0	0	0
## 214	6	1	0	0	0	0	0
## 213.2	6	1	0	0	0	0	0
## 214.1	6	1	0	0	0	0	0
## 215	6	1	0	0	0	0	0
## 217	2	1	0	0	0	0	0
## 217.1	2	1	0	0	0	0	0
## 218	2	1	0	0	0	0	0
## 231	7	1	0	0	0	0	0
## 242	2	1	0	0	0	0	0
## 250	2	1	0	0	0	0	0
## 223	2	1	0	0	0	0	0
## 238	1	1	0	0	0	0	0
## 246	7	0	1	0	0	0	0
## 246.1	7	0	1	0	0	0	0
## 260	7	0	1	0	0	0	0

## 282	2	1	0	0	0	0	0
## 284	6	0	1	0	0	0	0
## 196.5	6	0	1	0	0	0	0
## 197.4	6	0	1	0	0	0	0
## 198.3	6	0	1	0	0	0	0
## 199.2	6	0	1	0	0	0	0
## 200.1	6	0	1	0	0	0	0
## 201	6	0	1	0	0	0	0
## 195.1	7	1	0	0	0	0	0
## 202	7	1	0	0	0	0	0
## 238.1	1	1	0	0	0	0	0
## 254	1	1	0	0	0	0	0
## 296	6	1	0	0	0	0	0
## 237	6	1	0	0	0	0	0
## 296.1	6	1	0	0	0	0	0
## 297	6	1	0	0	0	0	0
## 275	2	1	0	0	0	0	0
## 296.2	6	1	0	0	0	0	0
## 297.1	6	1	0	0	0	0	0
## 299	6	1	0	0	0	0	0
## 237.1	6	1	0	0	0	0	0
## 298	6	1	0	0	0	0	0
## 292	6	1	0	0	0	0	0
## 195.2	7	1	0	0	0	0	0
## 202.1	7	1	0	0	0	0	0
## 293	7	1	0	0	0	0	0
## 317	6	1	0	0	0	1	0
## 316	4	0	1	0	0	0	0
## 322	8	0	1	0	0	0	0
## 324	2	1	0	0	0	0	0
## 329	7	0	1	0	0	0	0
## 337	2	1	0	0	0	0	0
## 355	7	1	0	0	0	0	0
## 322.1	8	0	1	0	0	0	0
## 323	8	0	1	0	0	0	0
## 320	6	0	1	0	0	0	0
## 317.1	6	1	0	0	0	1	0
## 318	6	1	0	0	0	1	0
## 319	6	0	1	0	0	0	0
## 317.2	6	1	0	0	0	1	0
## 318.1	6	1	0	0	0	1	0
## 375	6	1	0	0	0	1	0
## 393	7	0	0	1	0	0	0
## 316.1	4	0	1	0	0	0	0
## 321	4	0	1	0	0	0	0
## 381	6	0	1	0	0	0	0
## 399	7	0	1	0	0	0	0
## 399.1	7	0	1	0	0	0	0
## 400	7	0	1	0	0	0	0
## 402	7	1	0	0	0	0	0
## 408	7	0	1	0	0	0	0
## 408.1	7	0	1	0	0	0	0
## 409	7	0	1	0	0	0	0
## 417	7	0	0	1	0	0	0

## 411	6	0	0	1	0	0	0
## 408.2	7	0	1	0	0	0	0
## 409.1	7	0	1	0	0	0	0
## 410	7	0	1	0	0	0	0
## 431	7	0	1	0	0	0	0
## 435	7	0	0	1	0	0	0
## 433	7	0	1	0	0	0	0
## 427	7	1	0	0	0	0	0
## 447	2	1	0	0	0	0	0
## 449	6	1	0	0	0	1	0
## 465	4	0	0	1	0	0	0
## 470	7	1	0	0	0	0	0
## 460	7	0	0	1	0	0	0
## 479	6	0	0	1	0	0	0
## 402.1	7	1	0	0	0	0	0
## 403	7	1	0	0	0	0	0
## 502	4	0	0	1	0	0	0
## 502.1	4	0	0	1	0	0	0
## 503	4	0	0	1	0	0	0
## 497	6	1	0	0	0	1	0
## 514	7	0	1	0	0	0	0
## 507	6	1	0	0	0	1	0
## 399.2	7	0	1	0	0	0	0
## 400.1	7	0	1	0	0	0	0
## 401	7	0	1	0	0	0	0
## 497.1	6	1	0	0	0	1	0
## 508	6	1	0	0	0	1	0
## 495	8	1	0	0	0	1	0
## 572	2	1	0	0	0	0	1
## 574	6	1	0	0	0	0	1
## 574.1	6	1	0	0	0	0	1
## 575	6	1	0	0	0	0	1
## 579	6	1	0	0	0	1	0
## 579.1	6	1	0	0	0	1	0
## 582	6	1	0	0	0	1	0
## 586	6	1	0	0	0	1	0
## 572.1	2	1	0	0	0	0	1
## 573	2	1	0	0	0	0	1
## 599	10	1	0	0	0	0	1
## 612	7	0	1	0	0	0	0
## 617	2	1	0	0	0	1	0
## 616	4	0	1	0	0	0	0
## 641	7	0	1	0	0	0	0
## 662	2	0	1	0	0	0	0
## 668	2	0	1	0	0	1	0
## 678	2	1	0	0	0	1	0
## 677	2	0	1	0	0	1	0
## 647	6	0	1	0	0	0	0
## 700	7	0	1	0	0	0	0
## 704	4	1	0	0	0	0	1
## 709	10	1	0	0	0	0	1
## 732	6	1	0	0	0	0	1
## 806	2	1	0	0	0	1	0
## 700.1	7	0	1	0	0	0	0

## 701	7	0	1	0	0	0	0
## 851	2	0	1	0	0	0	0
## 859	8	0	1	0	0	0	0
## 887	6	1	0	0	0	0	1
## 894	6	1	0	0	0	0	1
## 896	6	1	0	0	0	0	1
## 899	6	1	0	0	0	0	1
## 901	2	1	0	0	0	0	1
## 910	2	1	0	0	0	0	1
## 894.1	6	1	0	0	0	0	1
## 900	6	1	0	0	0	0	1
## 917	2	1	0	0	0	0	1
## 926	10	1	0	0	0	0	1
## 892	2	1	0	0	0	0	1
## 945	2	1	0	0	0	1	0
## 937	2	1	0	0	0	1	0
## 908	6	1	0	0	0	1	0
## 958	2	1	0	0	0	0	1
## 971	10	1	0	0	0	0	1
## 985	2	1	0	0	0	1	0
## 1019	6	0	1	0	0	0	0
## 1039	4	1	0	0	0	1	0
## 1017	6	0	1	0	0	0	0
## 1097	2	1	0	0	0	1	0
## 1135	2	1	0	0	0	1	0
## 1135.1	2	1	0	0	0	1	0
## 1136	2	1	0	0	0	1	0
## 1139	2	1	0	0	0	1	0
## 1139.1	2	1	0	0	0	1	0
## 1140	2	1	0	0	0	1	0
## 1145	2	1	0	0	0	1	0
## 1143	8	1	0	0	0	1	0
## 1145.1	2	1	0	0	0	1	0
## 1146	2	1	0	0	0	1	0
## 1138	2	1	0	0	0	1	0
## 1167	2	1	0	0	0	1	0
## 1173	2	1	0	0	0	1	0
## 1175	2	1	0	0	0	0	1
## 1178	2	1	0	0	0	1	0
## 1217	6	0	1	0	0	0	0
## 1211	7	0	1	0	0	0	0
## 1131	8	0	1	0	0	0	0
## 1250	6	0	1	0	0	0	0
## 1253	6	0	0	1	0	0	0
## 1268	4	0	0	1	0	0	0
## 1248	1	0	1	0	0	1	0
## 1249	6	0	1	0	0	1	0
## 1216	6	0	1	0	0	0	0
## 1216.1	6	0	1	0	0	0	0
## 1280	6	0	1	0	0	0	0
## 1266	7	0	0	1	0	0	0
## 1293	2	1	0	0	0	1	0
## 1295	2	1	0	0	0	1	0
## 1295.1	2	1	0	0	0	1	0

## 1296	2	1	0	0	0	1	0
## 1305	2	1	0	0	0	1	0
## 1308	2	1	0	0	0	1	0
## 1308.1	2	1	0	0	0	1	0
## 1309	2	1	0	0	0	1	0
## 1311	2	1	0	0	0	1	0
## 1315	6	1	0	0	0	1	0
## 1315.1	6	1	0	0	0	1	0
## 1316	6	1	0	0	0	1	0
## 1318	2	1	0	0	0	1	0
## 1320	2	1	0	0	0	1	0
## 1315.2	6	1	0	0	0	1	0
## 1316.1	6	1	0	0	0	1	0
## 1317	6	1	0	0	0	1	0
## 1327	2	1	0	0	0	1	0
## 1341	2	1	0	0	0	1	0
## 1345	2	1	0	0	0	1	0
## 1350	2	1	0	0	0	1	0
## 1408	7	0	1	0	0	0	0
## 1438	6	0	0	1	0	0	0
## 1443	6	0	0	1	0	0	0
## 1443.1	6	0	0	1	0	0	0
## 1444	6	0	0	1	0	0	0
## 1290	6	0	0	1	0	0	0
## 1465	7	0	1	0	0	0	0
## 1474	8	0	1	0	0	0	0
## 1474.1	8	0	1	0	0	0	0
## 1475	8	0	1	0	0	0	0
## 1485	7	1	0	0	0	0	0
## 1503	2	1	0	0	0	1	0
## 1506	6	0	1	0	0	1	0
## 1509	8	1	0	0	0	0	0
## 1533	2	0	1	0	0	1	0
## 1533.1	2	0	1	0	0	1	0
## 1534	2	0	1	0	0	1	0
## 1533.2	2	0	1	0	0	1	0
## 1534.1	2	0	1	0	0	1	0
## 1537	2	0	1	0	0	1	0
## 1533.3	2	0	1	0	0	1	0
## 1534.2	2	0	1	0	0	1	0
## 1537.1	2	0	1	0	0	1	0
## 1539	2	0	1	0	0	1	0
## 1545	2	0	1	0	0	1	0
## 1545.1	2	0	1	0	0	1	0
## 1546	2	0	1	0	0	1	0
## 1548	2	0	1	0	0	1	0
## 1552	2	1	0	0	0	1	0
## 1552.1	2	1	0	0	0	1	0
## 1557	2	1	0	0	0	1	0
## 1571	2	0	1	0	0	1	0
## 1580	2	1	0	0	0	0	0
## 1570	2	0	1	0	0	1	0
## 1584	2	1	0	0	0	0	0
## 1584.1	2	1	0	0	0	0	0

## 1606	2	1	0	0	0	0	0
## 1609	2	0	1	0	0	1	0
## 1612	2	1	0	0	0	1	0
## 1624	2	1	0	0	0	1	0
## 1629	2	1	0	0	0	1	0
## 1631	8	1	0	0	0	1	0
## 1642	8	1	0	0	0	0	1
## 1663	6	1	0	0	0	0	1
## 1702	7	1	0	0	0	0	0
## 1700	8	0	1	0	0	0	0
## 1719	2	1	0	0	0	1	0
## 1719.1	2	1	0	0	0	1	0
## 1720	2	1	0	0	0	1	0
## 1731	4	0	1	0	0	0	0
## 1742	7	0	0	1	0	0	0
## 1698	1	0	1	0	0	0	0
## 1749	6	0	0	1	0	0	0
## 1741	6	0	0	1	0	0	0
## 1768	8	0	1	0	0	0	0
## 1807	6	0	0	1	0	0	0
## 1771	7	0	0	1	0	0	0
## 1814	2	0	1	0	0	1	0
## 1830	2	1	0	0	0	1	0
## 1848	2	0	1	0	0	1	0
## 1853	2	1	0	0	0	1	0
## 1863	4	1	0	0	0	1	0
## 1862	2	1	0	0	0	1	0
## 1862.1	2	1	0	0	0	1	0
## 1867	2	1	0	0	0	1	0
## 1865	6	1	0	0	0	1	0
## 1862.2	2	1	0	0	0	1	0
## 1867.1	2	1	0	0	0	1	0
## 1868	2	1	0	0	0	1	0
## 1862.3	2	1	0	0	0	1	0
## 1867.2	2	1	0	0	0	1	0
## 1868.1	2	1	0	0	0	1	0
## 1872	2	1	0	0	0	1	0
## 1879	6	1	0	0	0	0	1
## 1911	6	0	1	0	0	0	0
## 1952	6	0	0	1	0	0	0
## 1954	7	0	0	1	0	0	0
## 1973	7	1	0	0	0	0	0
## 1989	6	0	1	0	0	1	0
## 1994	6	0	1	0	0	0	0
## 1996	6	0	1	0	0	0	0
## 1998	8	0	1	0	0	0	0
## 1998.1	8	0	1	0	0	0	0
## 1999	8	0	1	0	0	0	0
## 2001	6	0	1	0	0	0	0
## 2021	8	1	0	0	0	0	0
## 2015	6	1	0	0	0	0	0
## 2029	2	0	1	0	0	1	0
## 2034	2	0	1	0	0	1	0
## 2039	2	1	0	0	0	1	0



## 2045	2	1	0	0	0	0	0
## 2064	2	1	0	0	0	1	0
## 2062	4	1	0	0	0	1	0
## 2069	2	1	0	0	0	1	0
## 2064.1	2	1	0	0	0	1	0
## 2070	2	1	0	0	0	1	0
## 2101	8	0	0	1	0	0	0
## 2110	6	0	0	1	0	0	0
## 2113	7	0	0	1	0	0	0
## 2131	6	0	1	0	0	0	0
## 2131.1	6	0	1	0	0	0	0
## 2132	6	0	1	0	0	0	0
## 2135	8	0	1	0	0	1	0
## 2145	6	0	1	0	0	0	0
## 2153	1	0	1	0	0	0	0
## 2162	6	0	1	0	0	0	0
## 2162.1	6	0	1	0	0	0	0
## 2163	6	0	1	0	0	0	0
## 2168	8	0	1	0	0	0	0
## 2168.1	8	0	1	0	0	0	0
## 2169	8	0	1	0	0	0	0
## 2179	6	0	1	0	0	0	0
## 2178	6	0	1	0	0	0	0
## 2182	6	0	1	0	0	0	0
## 2162.2	6	0	1	0	0	0	0
## 2163.1	6	0	1	0	0	0	0
## 2164	6	0	1	0	0	0	0
## 2187	6	0	1	0	0	0	0
## 2162.3	6	0	1	0	0	0	0
## 2163.2	6	0	1	0	0	0	0
## 2164.1	6	0	1	0	0	0	0
## 2184	6	0	1	0	0	0	0
## 2174	6	0	1	0	0	0	0
## 2179.1	6	0	1	0	0	0	0
## 2180	6	0	1	0	0	0	0
## 2212	4	0	1	0	0	0	0
## 2229	7	0	1	0	0	0	0
## 2229.1	7	0	1	0	0	0	0
## 2230	7	0	1	0	0	0	0
## 2237	4	1	0	0	0	0	0
## 2247	2	0	1	0	0	1	0
## 2252	6	0	1	0	0	1	0
## 2275	2	1	0	0	0	1	0
## 2282	2	1	0	0	0	1	0
## 2273	2	1	0	0	0	1	0
## 2273.1	2	1	0	0	0	1	0
## 2285	2	1	0	0	0	1	0
## 2287	2	1	0	0	0	1	0
## 2292	2	1	0	0	0	1	0
## 2297	2	1	0	0	0	1	0
## 2300	4	1	0	0	0	1	0
## 2302	2	1	0	0	0	1	0
## 2308	2	1	0	0	0	1	0
## 2308.1	2	1	0	0	0	1	0

## 2309	2	1	0	0	0	1	0
## 2323	6	1	0	0	0	1	0
## 2339	6	1	0	0	0	0	1
## 2357	11	0	0	1	0	0	0
## 2360	6	0	0	1	0	0	0
## 2349	4	0	0	1	0	0	0
## 2367	2	0	1	0	0	0	0
## 2366	6	0	0	1	0	0	0
## 2380	6	0	1	0	0	0	0
## 2418	1	0	1	0	0	0	0
## 2433	1	0	1	0	0	0	0
## 2442	6	0	1	0	0	0	0
## 2450	8	0	1	0	0	0	0
## 2463	7	0	1	0	0	0	0
## 2480	4	0	1	0	0	0	0
## 2493	4	1	0	0	0	0	0
## 2504	7	0	1	0	0	0	0
## 2508	4	0	1	0	0	0	0
## 2512	7	0	1	0	0	0	0
## 2525	2	0	1	0	0	1	0
## 2533	6	1	0	0	0	0	1
## 2541	6	1	0	0	0	0	1
## 2548	6	1	0	0	0	0	1
## 2556	8	1	0	0	0	0	1
## 2568	6	1	0	0	0	0	1
## 2574	6	1	0	0	0	0	1
## 2573	6	1	0	0	0	1	0
## 2574.1	6	1	0	0	0	0	1
## 2575	6	1	0	0	0	0	1
## 2585	6	1	0	0	0	0	1
## 2574.2	6	1	0	0	0	0	1
## 2575.1	6	1	0	0	0	0	1
## 2579	6	1	0	0	0	0	1
## 2574.3	6	1	0	0	0	0	1
## 2575.2	6	1	0	0	0	0	1
## 2579.1	6	1	0	0	0	0	1
## 2591	6	1	0	0	0	0	1
## 2574.4	6	1	0	0	0	0	1
##	Climavs3	Climavs4	Climavs5	Climavs6	Climavs7	Climavs8	Climavs9
## 3	0	0	0	0	0	0	0
## 3.1	0	0	0	0	0	0	0
## 4	0	0	0	0	0	0	0
## 2	0	0	0	0	0	0	0
## 11	0	0	0	0	0	0	0
## 11.1	0	0	0	0	0	0	0
## 12	0	0	0	0	0	0	0
## 11.2	0	0	0	0	0	0	0
## 12.1	0	0	0	0	0	0	0
## 13	0	0	0	0	0	0	0
## 11.3	0	0	0	0	0	0	0
## 12.2	0	0	0	0	0	0	0
## 13.1	0	0	0	0	0	0	0
## 14	0	0	0	0	0	0	0
## 11.4	0	0	0	0	0	0	0

## 12.3	0	0	0	0	0	0	0
## 13.2	0	0	0	0	0	0	0
## 14.1	0	0	0	0	0	0	0
## 15	0	0	0	0	0	0	0
## 17	1	0	0	0	0	0	0
## 11.5	0	0	0	0	0	0	0
## 12.4	0	0	0	0	0	0	0
## 13.3	0	0	0	0	0	0	0
## 14.2	0	0	0	0	0	0	0
## 15.1	0	0	0	0	0	0	0
## 16	0	0	0	0	0	0	0
## 17.1	1	0	0	0	0	0	0
## 18	1	0	0	0	0	0	0
## 17.2	1	0	0	0	0	0	0
## 18.1	1	0	0	0	0	0	0
## 21	1	0	0	0	0	0	0
## 17.3	1	0	0	0	0	0	0
## 18.2	1	0	0	0	0	0	0
## 21.1	1	0	0	0	0	0	0
## 22	1	0	0	0	0	0	0
## 17.4	1	0	0	0	0	0	0
## 18.3	1	0	0	0	0	0	0
## 21.2	1	0	0	0	0	0	0
## 22.1	1	0	0	0	0	0	0
## 23	1	0	0	0	0	0	0
## 17.5	1	0	0	0	0	0	0
## 18.4	1	0	0	0	0	0	0
## 21.3	1	0	0	0	0	0	0
## 22.2	1	0	0	0	0	0	0
## 23.1	1	0	0	0	0	0	0
## 24	1	0	0	0	0	0	0
## 17.6	1	0	0	0	0	0	0
## 18.5	1	0	0	0	0	0	0
## 21.4	1	0	0	0	0	0	0
## 22.3	1	0	0	0	0	0	0
## 23.2	1	0	0	0	0	0	0
## 24.1	1	0	0	0	0	0	0
## 25	1	0	0	0	0	0	0
## 17.7	1	0	0	0	0	0	0
## 18.6	1	0	0	0	0	0	0
## 21.5	1	0	0	0	0	0	0
## 22.4	1	0	0	0	0	0	0
## 23.3	1	0	0	0	0	0	0
## 24.2	1	0	0	0	0	0	0
## 25.1	1	0	0	0	0	0	0
## 26	1	0	0	0	0	0	0
## 17.8	1	0	0	0	0	0	0
## 18.7	1	0	0	0	0	0	0
## 21.6	1	0	0	0	0	0	0
## 22.5	1	0	0	0	0	0	0
## 23.4	1	0	0	0	0	0	0
## 24.3	1	0	0	0	0	0	0
## 25.2	1	0	0	0	0	0	0
## 26.1	1	0	0	0	0	0	0

## 27	1	0	0	0	0	0	0
## 17.9	1	0	0	0	0	0	0
## 18.8	1	0	0	0	0	0	0
## 21.7	1	0	0	0	0	0	0
## 22.6	1	0	0	0	0	0	0
## 23.5	1	0	0	0	0	0	0
## 24.4	1	0	0	0	0	0	0
## 25.3	1	0	0	0	0	0	0
## 26.2	1	0	0	0	0	0	0
## 27.1	1	0	0	0	0	0	0
## 28	1	0	0	0	0	0	0
## 17.10	1	0	0	0	0	0	0
## 18.9	1	0	0	0	0	0	0
## 21.8	1	0	0	0	0	0	0
## 22.7	1	0	0	0	0	0	0
## 23.6	1	0	0	0	0	0	0
## 24.5	1	0	0	0	0	0	0
## 25.4	1	0	0	0	0	0	0
## 26.3	1	0	0	0	0	0	0
## 27.2	1	0	0	0	0	0	0
## 28.1	1	0	0	0	0	0	0
## 29	1	0	0	0	0	0	0
## 17.11	1	0	0	0	0	0	0
## 18.10	1	0	0	0	0	0	0
## 21.9	1	0	0	0	0	0	0
## 22.8	1	0	0	0	0	0	0
## 23.7	1	0	0	0	0	0	0
## 24.6	1	0	0	0	0	0	0
## 25.5	1	0	0	0	0	0	0
## 26.4	1	0	0	0	0	0	0
## 27.3	1	0	0	0	0	0	0
## 28.2	1	0	0	0	0	0	0
## 29.1	1	0	0	0	0	0	0
## 30	1	0	0	0	0	0	0
## 17.12	1	0	0	0	0	0	0
## 18.11	1	0	0	0	0	0	0
## 21.10	1	0	0	0	0	0	0
## 22.9	1	0	0	0	0	0	0
## 23.8	1	0	0	0	0	0	0
## 24.7	1	0	0	0	0	0	0
## 25.6	1	0	0	0	0	0	0
## 26.5	1	0	0	0	0	0	0
## 27.4	1	0	0	0	0	0	0
## 28.3	1	0	0	0	0	0	0
## 29.2	1	0	0	0	0	0	0
## 30.1	1	0	0	0	0	0	0
## 31	1	0	0	0	0	0	0
## 17.13	1	0	0	0	0	0	0
## 18.12	1	0	0	0	0	0	0
## 21.11	1	0	0	0	0	0	0
## 22.10	1	0	0	0	0	0	0
## 23.9	1	0	0	0	0	0	0
## 24.8	1	0	0	0	0	0	0
## 25.7	1	0	0	0	0	0	0

## 26.6	1	0	0	0	0	0	0
## 27.5	1	0	0	0	0	0	0
## 28.4	1	0	0	0	0	0	0
## 29.3	1	0	0	0	0	0	0
## 30.2	1	0	0	0	0	0	0
## 31.1	1	0	0	0	0	0	0
## 32	1	0	0	0	0	0	0
## 17.14	1	0	0	0	0	0	0
## 18.13	1	0	0	0	0	0	0
## 21.12	1	0	0	0	0	0	0
## 22.11	1	0	0	0	0	0	0
## 23.10	1	0	0	0	0	0	0
## 24.9	1	0	0	0	0	0	0
## 25.8	1	0	0	0	0	0	0
## 26.7	1	0	0	0	0	0	0
## 27.6	1	0	0	0	0	0	0
## 28.5	1	0	0	0	0	0	0
## 29.4	1	0	0	0	0	0	0
## 30.3	1	0	0	0	0	0	0
## 31.2	1	0	0	0	0	0	0
## 32.1	1	0	0	0	0	0	0
## 33	1	0	0	0	0	0	0
## 17.15	1	0	0	0	0	0	0
## 18.14	1	0	0	0	0	0	0
## 21.13	1	0	0	0	0	0	0
## 22.12	1	0	0	0	0	0	0
## 23.11	1	0	0	0	0	0	0
## 24.10	1	0	0	0	0	0	0
## 25.9	1	0	0	0	0	0	0
## 26.8	1	0	0	0	0	0	0
## 27.7	1	0	0	0	0	0	0
## 28.6	1	0	0	0	0	0	0
## 29.5	1	0	0	0	0	0	0
## 30.4	1	0	0	0	0	0	0
## 31.3	1	0	0	0	0	0	0
## 32.2	1	0	0	0	0	0	0
## 33.1	1	0	0	0	0	0	0
## 34	1	0	0	0	0	0	0
## 17.16	1	0	0	0	0	0	0
## 18.15	1	0	0	0	0	0	0
## 21.14	1	0	0	0	0	0	0
## 22.13	1	0	0	0	0	0	0
## 23.12	1	0	0	0	0	0	0
## 24.11	1	0	0	0	0	0	0
## 25.10	1	0	0	0	0	0	0
## 26.9	1	0	0	0	0	0	0
## 27.8	1	0	0	0	0	0	0
## 28.7	1	0	0	0	0	0	0
## 29.6	1	0	0	0	0	0	0
## 30.5	1	0	0	0	0	0	0
## 31.4	1	0	0	0	0	0	0
## 32.3	1	0	0	0	0	0	0
## 33.2	1	0	0	0	0	0	0
## 34.1	1	0	0	0	0	0	0

## 35	1	0	0	0	0	0	0
## 17.17	1	0	0	0	0	0	0
## 18.16	1	0	0	0	0	0	0
## 21.15	1	0	0	0	0	0	0
## 22.14	1	0	0	0	0	0	0
## 23.13	1	0	0	0	0	0	0
## 24.12	1	0	0	0	0	0	0
## 25.11	1	0	0	0	0	0	0
## 26.10	1	0	0	0	0	0	0
## 27.9	1	0	0	0	0	0	0
## 28.8	1	0	0	0	0	0	0
## 29.7	1	0	0	0	0	0	0
## 30.6	1	0	0	0	0	0	0
## 31.5	1	0	0	0	0	0	0
## 32.4	1	0	0	0	0	0	0
## 33.3	1	0	0	0	0	0	0
## 34.2	1	0	0	0	0	0	0
## 35.1	1	0	0	0	0	0	0
## 36	1	0	0	0	0	0	0
## 17.18	1	0	0	0	0	0	0
## 18.17	1	0	0	0	0	0	0
## 21.16	1	0	0	0	0	0	0
## 22.15	1	0	0	0	0	0	0
## 23.14	1	0	0	0	0	0	0
## 24.13	1	0	0	0	0	0	0
## 25.12	1	0	0	0	0	0	0
## 26.11	1	0	0	0	0	0	0
## 27.10	1	0	0	0	0	0	0
## 28.9	1	0	0	0	0	0	0
## 29.8	1	0	0	0	0	0	0
## 30.7	1	0	0	0	0	0	0
## 31.6	1	0	0	0	0	0	0
## 32.5	1	0	0	0	0	0	0
## 33.4	1	0	0	0	0	0	0
## 34.3	1	0	0	0	0	0	0
## 35.2	1	0	0	0	0	0	0
## 36.1	1	0	0	0	0	0	0
## 37	1	0	0	0	0	0	0
## 17.19	1	0	0	0	0	0	0
## 18.18	1	0	0	0	0	0	0
## 21.17	1	0	0	0	0	0	0
## 22.16	1	0	0	0	0	0	0
## 23.15	1	0	0	0	0	0	0
## 24.14	1	0	0	0	0	0	0
## 25.13	1	0	0	0	0	0	0
## 26.12	1	0	0	0	0	0	0
## 27.11	1	0	0	0	0	0	0
## 28.10	1	0	0	0	0	0	0
## 29.9	1	0	0	0	0	0	0
## 30.8	1	0	0	0	0	0	0
## 31.7	1	0	0	0	0	0	0
## 32.6	1	0	0	0	0	0	0
## 33.5	1	0	0	0	0	0	0
## 34.4	1	0	0	0	0	0	0

## 35.3	1	0	0	0	0	0	0
## 36.2	1	0	0	0	0	0	0
## 37.1	1	0	0	0	0	0	0
## 38	1	0	0	0	0	0	0
## 17.20	1	0	0	0	0	0	0
## 18.19	1	0	0	0	0	0	0
## 21.18	1	0	0	0	0	0	0
## 22.17	1	0	0	0	0	0	0
## 23.16	1	0	0	0	0	0	0
## 24.15	1	0	0	0	0	0	0
## 25.14	1	0	0	0	0	0	0
## 26.13	1	0	0	0	0	0	0
## 27.12	1	0	0	0	0	0	0
## 28.11	1	0	0	0	0	0	0
## 29.10	1	0	0	0	0	0	0
## 30.9	1	0	0	0	0	0	0
## 31.8	1	0	0	0	0	0	0
## 32.7	1	0	0	0	0	0	0
## 33.6	1	0	0	0	0	0	0
## 34.5	1	0	0	0	0	0	0
## 35.4	1	0	0	0	0	0	0
## 36.3	1	0	0	0	0	0	0
## 37.2	1	0	0	0	0	0	0
## 38.1	1	0	0	0	0	0	0
## 39	1	0	0	0	0	0	0
## 17.21	1	0	0	0	0	0	0
## 18.20	1	0	0	0	0	0	0
## 21.19	1	0	0	0	0	0	0
## 22.18	1	0	0	0	0	0	0
## 23.17	1	0	0	0	0	0	0
## 24.16	1	0	0	0	0	0	0
## 25.15	1	0	0	0	0	0	0
## 26.14	1	0	0	0	0	0	0
## 27.13	1	0	0	0	0	0	0
## 28.12	1	0	0	0	0	0	0
## 29.11	1	0	0	0	0	0	0
## 30.10	1	0	0	0	0	0	0
## 31.9	1	0	0	0	0	0	0
## 32.8	1	0	0	0	0	0	0
## 33.7	1	0	0	0	0	0	0
## 34.6	1	0	0	0	0	0	0
## 35.5	1	0	0	0	0	0	0
## 36.4	1	0	0	0	0	0	0
## 37.3	1	0	0	0	0	0	0
## 38.2	1	0	0	0	0	0	0
## 39.1	1	0	0	0	0	0	0
## 41	1	0	0	0	0	0	0
## 10	0	0	0	0	0	0	0
## 50	0	0	0	0	0	0	0
## 51	0	0	0	0	0	0	0
## 58	0	0	0	0	0	0	0
## 44	0	0	0	0	0	0	0
## 49	0	0	0	0	0	0	0
## 9	1	0	0	0	0	0	0

## 58.1	0	0	0	0	0	0	0
## 59	0	0	0	0	0	0	0
## 74	1	0	0	0	0	0	0
## 76	0	0	0	0	0	0	0
## 88	0	0	0	0	0	0	0
## 83	0	0	0	0	0	0	0
## 89	0	0	0	0	0	0	0
## 79	0	0	0	0	0	0	0
## 76.1	0	0	0	0	0	0	0
## 77	0	0	0	0	0	0	0
## 73	0	0	0	0	0	0	0
## 72	0	0	0	0	0	0	0
## 71	0	0	0	0	0	0	0
## 96	0	0	0	0	0	0	0
## 74.1	1	0	0	0	0	0	0
## 75	1	0	0	0	0	0	0
## 104	0	1	0	0	0	0	0
## 119	1	0	0	0	0	0	0
## 129	0	0	0	1	0	0	0
## 128	0	0	0	1	0	0	0
## 122	0	0	0	1	0	0	0
## 142	1	0	0	0	0	0	0
## 150	1	0	0	0	0	0	0
## 121	1	0	0	0	0	0	0
## 167	1	0	0	0	0	0	0
## 121.1	1	0	0	0	0	0	0
## 154	1	0	0	0	0	0	0
## 142.1	1	0	0	0	0	0	0
## 146	1	0	0	0	0	0	0
## 119.1	1	0	0	0	0	0	0
## 120	1	0	0	0	0	0	0
## 177	0	0	0	0	0	0	0
## 174	1	0	0	0	0	0	0
## 175	1	0	0	0	0	0	0
## 176	1	0	0	0	0	0	0
## 135	0	0	0	0	0	0	0
## 169	1	0	0	0	0	0	0
## 196	1	0	0	0	0	0	0
## 196.1	1	0	0	0	0	0	0
## 197	1	0	0	0	0	0	0
## 196.2	1	0	0	0	0	0	0
## 197.1	1	0	0	0	0	0	0
## 198	1	0	0	0	0	0	0
## 196.3	1	0	0	0	0	0	0
## 197.2	1	0	0	0	0	0	0
## 198.1	1	0	0	0	0	0	0
## 199	1	0	0	0	0	0	0
## 196.4	1	0	0	0	0	0	0
## 197.3	1	0	0	0	0	0	0
## 198.2	1	0	0	0	0	0	0
## 199.1	1	0	0	0	0	0	0
## 200	1	0	0	0	0	0	0
## 195	1	0	0	0	0	0	0
## 206	0	0	0	1	0	0	0



## 208	0	0	0	1	0	0	0
## 213	0	0	0	1	0	0	0
## 213.1	0	0	0	1	0	0	0
## 214	0	0	0	1	0	0	0
## 213.2	0	0	0	1	0	0	0
## 214.1	0	0	0	1	0	0	0
## 215	0	0	0	1	0	0	0
## 217	0	0	0	1	0	0	0
## 217.1	0	0	0	1	0	0	0
## 218	0	0	0	1	0	0	0
## 231	0	0	0	1	0	0	0
## 242	0	0	0	1	0	0	0
## 250	0	0	0	1	0	0	0
## 223	0	0	0	0	0	0	1
## 238	1	0	0	0	0	0	0
## 246	0	0	0	0	0	0	1
## 246.1	0	0	0	0	0	0	1
## 260	0	0	0	0	0	0	1
## 282	0	0	0	1	0	0	0
## 284	1	0	0	0	0	0	0
## 196.5	1	0	0	0	0	0	0
## 197.4	1	0	0	0	0	0	0
## 198.3	1	0	0	0	0	0	0
## 199.2	1	0	0	0	0	0	0
## 200.1	1	0	0	0	0	0	0
## 201	1	0	0	0	0	0	0
## 195.1	1	0	0	0	0	0	0
## 202	1	0	0	0	0	0	0
## 238.1	1	0	0	0	0	0	0
## 254	1	0	0	0	0	0	0
## 296	1	0	0	0	0	0	0
## 237	1	0	0	0	0	0	0
## 296.1	1	0	0	0	0	0	0
## 297	1	0	0	0	0	0	0
## 275	0	0	0	1	0	0	0
## 296.2	1	0	0	0	0	0	0
## 297.1	1	0	0	0	0	0	0
## 299	1	0	0	0	0	0	0
## 237.1	1	0	0	0	0	0	0
## 298	1	0	0	0	0	0	0
## 292	1	0	0	0	0	0	0
## 195.2	1	0	0	0	0	0	0
## 202.1	1	0	0	0	0	0	0
## 293	1	0	0	0	0	0	0
## 317	0	0	0	0	0	0	0
## 316	1	0	0	0	0	0	0
## 322	0	0	0	0	0	0	1
## 324	0	0	0	1	0	0	0
## 329	0	0	1	0	0	0	0
## 337	0	0	0	0	0	0	1
## 355	0	0	0	0	0	0	1
## 322.1	0	0	0	0	0	0	1
## 323	0	0	0	0	0	0	1
## 320	1	0	0	0	0	0	0

## 317.1	0	0	0	0	0	0	0
## 318	0	0	0	0	0	0	0
## 319	1	0	0	0	0	0	0
## 317.2	0	0	0	0	0	0	0
## 318.1	0	0	0	0	0	0	0
## 375	0	0	0	0	0	0	0
## 393	0	0	1	0	0	0	0
## 316.1	1	0	0	0	0	0	0
## 321	1	0	0	0	0	0	0
## 381	1	0	0	0	0	0	0
## 399	1	0	0	0	0	0	0
## 399.1	1	0	0	0	0	0	0
## 400	1	0	0	0	0	0	0
## 402	0	0	0	1	0	0	0
## 408	0	0	0	0	0	0	1
## 408.1	0	0	0	0	0	0	1
## 409	0	0	0	0	0	0	1
## 417	0	0	0	0	0	0	1
## 411	0	0	0	0	0	0	1
## 408.2	0	0	0	0	0	0	1
## 409.1	0	0	0	0	0	0	1
## 410	0	0	0	0	0	0	1
## 431	0	0	0	0	0	0	1
## 435	0	0	0	0	0	0	1
## 433	0	0	0	0	0	0	1
## 427	0	0	0	0	0	0	1
## 447	0	0	0	0	0	0	1
## 449	0	0	0	0	0	0	0
## 465	0	0	1	0	0	0	0
## 470	0	0	0	0	0	0	1
## 460	0	0	0	0	0	0	1
## 479	0	0	0	0	0	0	1
## 402.1	0	0	0	1	0	0	0
## 403	0	0	0	1	0	0	0
## 502	0	0	0	0	0	0	1
## 502.1	0	0	0	0	0	0	1
## 503	0	0	0	0	0	0	1
## 497	0	0	0	0	0	0	0
## 514	0	0	0	0	0	0	1
## 507	0	0	0	0	0	0	0
## 399.2	1	0	0	0	0	0	0
## 400.1	1	0	0	0	0	0	0
## 401	1	0	0	0	0	0	0
## 497.1	0	0	0	0	0	0	0
## 508	0	0	0	0	0	0	0
## 495	0	0	0	0	0	0	0
## 572	0	0	0	0	0	0	0
## 574	0	0	0	0	0	0	0
## 574.1	0	0	0	0	0	0	0
## 575	0	0	0	0	0	0	0
## 579	0	0	0	0	0	0	0
## 579.1	0	0	0	0	0	0	0
## 582	0	0	0	0	0	0	0
## 586	0	0	0	0	0	0	0

## 572.1	0	0	0	0	0	0	0
## 573	0	0	0	0	0	0	0
## 599	0	0	0	0	0	0	0
## 612	0	0	0	0	0	0	1
## 617	0	0	0	0	0	0	0
## 616	0	0	0	0	0	0	1
## 641	0	0	0	0	0	0	1
## 662	0	0	0	0	0	0	1
## 668	0	0	0	0	0	0	0
## 678	0	0	0	0	0	0	0
## 677	0	0	0	0	0	0	0
## 647	1	0	0	0	0	0	0
## 700	1	0	0	0	0	0	0
## 704	0	0	0	0	0	0	0
## 709	0	0	0	0	0	0	0
## 732	0	0	0	0	0	0	0
## 806	0	0	0	0	0	0	0
## 700.1	1	0	0	0	0	0	0
## 701	1	0	0	0	0	0	0
## 851	0	0	0	0	0	0	1
## 859	1	0	0	0	0	0	0
## 887	0	0	0	0	0	0	0
## 894	0	0	0	0	0	0	0
## 896	0	0	0	0	0	0	0
## 899	0	0	0	0	0	0	0
## 901	0	0	0	0	0	0	0
## 910	0	0	0	0	0	0	0
## 894.1	0	0	0	0	0	0	0
## 900	0	0	0	0	0	0	0
## 917	0	0	0	0	0	0	0
## 926	0	0	0	0	0	0	0
## 892	0	0	0	0	0	0	0
## 945	0	0	0	0	0	0	0
## 937	0	0	0	0	0	0	0
## 908	0	0	0	0	0	0	0
## 958	0	0	0	0	0	0	0
## 971	0	0	0	0	0	0	0
## 985	0	0	0	0	0	0	0
## 1019	0	0	0	0	0	0	1
## 1039	0	0	0	0	0	0	0
## 1017	0	0	0	0	0	0	1
## 1097	0	0	0	0	0	0	0
## 1135	0	0	0	0	0	0	0
## 1135.1	0	0	0	0	0	0	0
## 1136	0	0	0	0	0	0	0
## 1139	0	0	0	0	0	0	0
## 1139.1	0	0	0	0	0	0	0
## 1140	0	0	0	0	0	0	0
## 1145	0	0	0	0	0	0	0
## 1143	0	0	0	0	0	0	0
## 1145.1	0	0	0	0	0	0	0
## 1146	0	0	0	0	0	0	0
## 1138	0	0	0	0	0	0	0
## 1167	0	0	0	0	0	0	0

## 1173	0	0	0	0	0	0	0
## 1175	0	0	0	0	0	0	0
## 1178	0	0	0	0	0	0	0
## 1217	0	1	0	0	0	0	0
## 1211	1	0	0	0	0	0	0
## 1131	0	0	0	0	0	0	1
## 1250	0	1	0	0	0	0	0
## 1253	0	1	0	0	0	0	0
## 1268	0	0	1	0	0	0	0
## 1248	0	0	0	0	0	0	0
## 1249	0	0	0	0	0	0	0
## 1216	0	1	0	0	0	0	0
## 1216.1	0	1	0	0	0	0	0
## 1280	0	1	0	0	0	0	0
## 1266	0	0	1	0	0	0	0
## 1293	0	0	0	0	0	0	0
## 1295	0	0	0	0	0	0	0
## 1295.1	0	0	0	0	0	0	0
## 1296	0	0	0	0	0	0	0
## 1305	0	0	0	0	0	0	0
## 1308	0	0	0	0	0	0	0
## 1308.1	0	0	0	0	0	0	0
## 1309	0	0	0	0	0	0	0
## 1311	0	0	0	0	0	0	0
## 1315	0	0	0	0	0	0	0
## 1315.1	0	0	0	0	0	0	0
## 1316	0	0	0	0	0	0	0
## 1318	0	0	0	0	0	0	0
## 1320	0	0	0	0	0	0	0
## 1315.2	0	0	0	0	0	0	0
## 1316.1	0	0	0	0	0	0	0
## 1317	0	0	0	0	0	0	0
## 1327	0	0	0	0	0	0	0
## 1341	0	0	0	0	0	0	0
## 1345	0	0	0	0	0	0	0
## 1350	0	0	0	0	0	0	0
## 1408	0	0	0	0	0	0	1
## 1438	0	1	0	0	0	0	0
## 1443	0	1	0	0	0	0	0
## 1443.1	0	1	0	0	0	0	0
## 1444	0	1	0	0	0	0	0
## 1290	0	1	0	0	0	0	0
## 1465	1	0	0	0	0	0	0
## 1474	0	0	0	0	0	0	1
## 1474.1	0	0	0	0	0	0	1
## 1475	0	0	0	0	0	0	1
## 1485	0	0	0	0	0	0	1
## 1503	0	0	0	0	0	0	0
## 1506	0	0	0	0	0	0	0
## 1509	0	0	0	1	0	0	0
## 1533	0	0	0	0	0	0	0
## 1533.1	0	0	0	0	0	0	0
## 1534	0	0	0	0	0	0	0
## 1533.2	0	0	0	0	0	0	0

## 1534.1	0	0	0	0	0	0	0
## 1537	0	0	0	0	0	0	0
## 1533.3	0	0	0	0	0	0	0
## 1534.2	0	0	0	0	0	0	0
## 1537.1	0	0	0	0	0	0	0
## 1539	0	0	0	0	0	0	0
## 1545	0	0	0	0	0	0	0
## 1545.1	0	0	0	0	0	0	0
## 1546	0	0	0	0	0	0	0
## 1548	0	0	0	0	0	0	0
## 1552	0	0	0	0	0	0	0
## 1552.1	0	0	0	0	0	0	0
## 1557	0	0	0	0	0	0	0
## 1571	0	0	0	0	0	0	0
## 1580	0	0	0	1	0	0	0
## 1570	0	0	0	0	0	0	0
## 1584	0	0	0	1	0	0	0
## 1584.1	0	0	0	1	0	0	0
## 1606	0	0	0	1	0	0	0
## 1609	0	0	0	0	0	0	0
## 1612	0	0	0	0	0	0	0
## 1624	0	0	0	0	0	0	0
## 1629	0	0	0	0	0	0	0
## 1631	0	0	0	0	0	0	0
## 1642	0	0	0	0	0	0	0
## 1663	0	0	0	0	0	0	0
## 1702	0	0	0	1	0	0	0
## 1700	0	0	0	0	0	0	1
## 1719	0	0	0	0	0	0	0
## 1719.1	0	0	0	0	0	0	0
## 1720	0	0	0	0	0	0	0
## 1731	1	0	0	0	0	0	0
## 1742	0	1	0	0	0	0	0
## 1698	1	0	0	0	0	0	0
## 1749	0	1	0	0	0	0	0
## 1741	0	1	0	0	0	0	0
## 1768	0	0	0	0	0	0	1
## 1807	0	1	0	0	0	0	0
## 1771	0	1	0	0	0	0	0
## 1814	0	0	0	0	0	0	0
## 1830	0	0	0	0	0	0	0
## 1848	0	0	0	0	0	0	0
## 1853	0	0	0	0	0	0	0
## 1863	0	0	0	0	0	0	0
## 1862	0	0	0	0	0	0	0
## 1862.1	0	0	0	0	0	0	0
## 1867	0	0	0	0	0	0	0
## 1865	0	0	0	0	0	0	0
## 1862.2	0	0	0	0	0	0	0
## 1867.1	0	0	0	0	0	0	0
## 1868	0	0	0	0	0	0	0
## 1862.3	0	0	0	0	0	0	0
## 1867.2	0	0	0	0	0	0	0
## 1868.1	0	0	0	0	0	0	0

## 1872	0	0	0	0	0	0	0
## 1879	0	0	0	0	0	0	0
## 1911	1	0	0	0	0	0	0
## 1952	0	1	0	0	0	0	0
## 1954	0	1	0	0	0	0	0
## 1973	0	0	0	1	0	0	0
## 1989	0	0	0	0	0	0	0
## 1994	0	0	0	0	0	0	1
## 1996	0	0	0	1	0	0	0
## 1998	0	0	0	1	0	0	0
## 1998.1	0	0	0	1	0	0	0
## 1999	0	0	0	1	0	0	0
## 2001	0	0	0	0	0	0	1
## 2021	0	0	0	1	0	0	0
## 2015	0	0	0	0	0	0	1
## 2029	0	0	0	0	0	0	0
## 2034	0	0	0	0	0	0	0
## 2039	0	0	0	0	0	0	0
## 2045	0	0	0	0	0	0	1
## 2064	0	0	0	0	0	0	0
## 2062	0	0	0	0	0	0	0
## 2069	0	0	0	0	0	0	0
## 2064.1	0	0	0	0	0	0	0
## 2070	0	0	0	0	0	0	0
## 2101	0	1	0	0	0	0	0
## 2110	0	1	0	0	0	0	0
## 2113	0	1	0	0	0	0	0
## 2131	1	0	0	0	0	0	0
## 2131.1	1	0	0	0	0	0	0
## 2132	1	0	0	0	0	0	0
## 2135	0	0	0	0	0	0	0
## 2145	1	0	0	0	0	0	0
## 2153	0	1	0	0	0	0	0
## 2162	0	0	0	1	0	0	0
## 2162.1	0	0	0	1	0	0	0
## 2163	0	0	0	1	0	0	0
## 2168	0	0	0	1	0	0	0
## 2168.1	0	0	0	1	0	0	0
## 2169	0	0	0	1	0	0	0
## 2179	0	0	0	1	0	0	0
## 2178	0	0	0	1	0	0	0
## 2182	0	0	0	1	0	0	0
## 2162.2	0	0	0	1	0	0	0
## 2163.1	0	0	0	1	0	0	0
## 2164	0	0	0	1	0	0	0
## 2187	0	0	0	1	0	0	0
## 2162.3	0	0	0	1	0	0	0
## 2163.2	0	0	0	1	0	0	0
## 2164.1	0	0	0	1	0	0	0
## 2184	0	0	0	1	0	0	0
## 2174	0	0	0	1	0	0	0
## 2179.1	0	0	0	1	0	0	0
## 2180	0	0	0	1	0	0	0
## 2212	0	0	0	0	0	0	1

## 2229	0	0	0	1	0	0	0
## 2229.1	0	0	0	1	0	0	0
## 2230	0	0	0	1	0	0	0
## 2237	0	0	0	0	0	0	1
## 2247	0	0	0	0	0	0	0
## 2252	0	0	0	0	0	0	0
## 2275	0	0	0	0	0	0	0
## 2282	0	0	0	0	0	0	0
## 2273	0	0	0	0	0	0	0
## 2273.1	0	0	0	0	0	0	0
## 2285	0	0	0	0	0	0	0
## 2287	0	0	0	0	0	0	0
## 2292	0	0	0	0	0	0	0
## 2297	0	0	0	0	0	0	0
## 2300	0	0	0	0	0	0	0
## 2302	0	0	0	0	0	0	0
## 2308	0	0	0	0	0	0	0
## 2308.1	0	0	0	0	0	0	0
## 2309	0	0	0	0	0	0	0
## 2323	0	0	0	0	0	0	0
## 2339	0	0	0	0	0	0	0
## 2357	0	0	0	0	0	1	0
## 2360	0	0	0	0	0	1	0
## 2349	0	0	0	0	0	1	0
## 2367	1	0	0	0	0	0	0
## 2366	0	1	0	0	0	0	0
## 2380	1	0	0	0	0	0	0
## 2418	1	0	0	0	0	0	0
## 2433	1	0	0	0	0	0	0
## 2442	1	0	0	0	0	0	0
## 2450	1	0	0	0	0	0	0
## 2463	0	0	0	0	0	0	1
## 2480	0	0	1	0	0	0	0
## 2493	0	0	0	0	0	0	1
## 2504	0	0	0	0	0	0	1
## 2508	0	0	0	0	0	0	1
## 2512	0	0	1	0	0	0	0
## 2525	0	0	0	0	0	0	0
## 2533	0	0	0	0	0	0	0
## 2541	0	0	0	0	0	0	0
## 2548	0	0	0	0	0	0	0
## 2556	0	0	0	0	0	0	0
## 2568	0	0	0	0	0	0	0
## 2574	0	0	0	0	0	0	0
## 2573	0	0	0	0	0	0	0
## 2574.1	0	0	0	0	0	0	0
## 2575	0	0	0	0	0	0	0
## 2585	0	0	0	0	0	0	0
## 2574.2	0	0	0	0	0	0	0
## 2575.1	0	0	0	0	0	0	0
## 2579	0	0	0	0	0	0	0
## 2574.3	0	0	0	0	0	0	0
## 2575.2	0	0	0	0	0	0	0
## 2579.1	0	0	0	0	0	0	0

## 2591	0	0	0	0	0	0	0
## 2574.4	0	0	0	0	0	0	0
##	Cobervs2	Cobervs3	Cobervs4	Cobervs5	Cobervs6	Cobervs7	Pisosvs1
## 3	0	1	0	0	0	0	0
## 3.1	0	1	0	0	0	0	0
## 4	0	1	0	0	0	0	0
## 2	0	1	0	0	0	0	0
## 11	0	1	0	0	0	0	0
## 11.1	0	1	0	0	0	0	0
## 12	0	1	0	0	0	0	0
## 11.2	0	1	0	0	0	0	0
## 12.1	0	1	0	0	0	0	0
## 13	0	1	0	0	0	0	0
## 11.3	0	1	0	0	0	0	0
## 12.2	0	1	0	0	0	0	0
## 13.1	0	1	0	0	0	0	0
## 14	0	1	0	0	0	0	0
## 11.4	0	1	0	0	0	0	0
## 12.3	0	1	0	0	0	0	0
## 13.2	0	1	0	0	0	0	0
## 14.1	0	1	0	0	0	0	0
## 15	0	1	0	0	0	0	0
## 17	0	1	0	0	0	0	0
## 11.5	0	1	0	0	0	0	0
## 12.4	0	1	0	0	0	0	0
## 13.3	0	1	0	0	0	0	0
## 14.2	0	1	0	0	0	0	0
## 15.1	0	1	0	0	0	0	0
## 16	0	1	0	0	0	0	0
## 17.1	0	1	0	0	0	0	0
## 18	0	1	0	0	0	0	0
## 17.2	0	1	0	0	0	0	0
## 18.1	0	1	0	0	0	0	0
## 21	0	1	0	0	0	0	0
## 17.3	0	1	0	0	0	0	0
## 18.2	0	1	0	0	0	0	0
## 21.1	0	1	0	0	0	0	0
## 22	0	1	0	0	0	0	0
## 17.4	0	1	0	0	0	0	0
## 18.3	0	1	0	0	0	0	0
## 21.2	0	1	0	0	0	0	0
## 22.1	0	1	0	0	0	0	0
## 23	0	1	0	0	0	0	0
## 17.5	0	1	0	0	0	0	0
## 18.4	0	1	0	0	0	0	0
## 21.3	0	1	0	0	0	0	0
## 22.2	0	1	0	0	0	0	0
## 23.1	0	1	0	0	0	0	0
## 24	0	1	0	0	0	0	0
## 17.6	0	1	0	0	0	0	0
## 18.5	0	1	0	0	0	0	0
## 21.4	0	1	0	0	0	0	0
## 22.3	0	1	0	0	0	0	0
## 23.2	0	1	0	0	0	0	0



## 24.1	0	1	0	0	0	0	0
## 25	0	1	0	0	0	0	0
## 17.7	0	1	0	0	0	0	0
## 18.6	0	1	0	0	0	0	0
## 21.5	0	1	0	0	0	0	0
## 22.4	0	1	0	0	0	0	0
## 23.3	0	1	0	0	0	0	0
## 24.2	0	1	0	0	0	0	0
## 25.1	0	1	0	0	0	0	0
## 26	0	1	0	0	0	0	0
## 17.8	0	1	0	0	0	0	0
## 18.7	0	1	0	0	0	0	0
## 21.6	0	1	0	0	0	0	0
## 22.5	0	1	0	0	0	0	0
## 23.4	0	1	0	0	0	0	0
## 24.3	0	1	0	0	0	0	0
## 25.2	0	1	0	0	0	0	0
## 26.1	0	1	0	0	0	0	0
## 27	0	1	0	0	0	0	0
## 17.9	0	1	0	0	0	0	0
## 18.8	0	1	0	0	0	0	0
## 21.7	0	1	0	0	0	0	0
## 22.6	0	1	0	0	0	0	0
## 23.5	0	1	0	0	0	0	0
## 24.4	0	1	0	0	0	0	0
## 25.3	0	1	0	0	0	0	0
## 26.2	0	1	0	0	0	0	0
## 27.1	0	1	0	0	0	0	0
## 28	0	1	0	0	0	0	0
## 17.10	0	1	0	0	0	0	0
## 18.9	0	1	0	0	0	0	0
## 21.8	0	1	0	0	0	0	0
## 22.7	0	1	0	0	0	0	0
## 23.6	0	1	0	0	0	0	0
## 24.5	0	1	0	0	0	0	0
## 25.4	0	1	0	0	0	0	0
## 26.3	0	1	0	0	0	0	0
## 27.2	0	1	0	0	0	0	0
## 28.1	0	1	0	0	0	0	0
## 29	0	1	0	0	0	0	0
## 17.11	0	1	0	0	0	0	0
## 18.10	0	1	0	0	0	0	0
## 21.9	0	1	0	0	0	0	0
## 22.8	0	1	0	0	0	0	0
## 23.7	0	1	0	0	0	0	0
## 24.6	0	1	0	0	0	0	0
## 25.5	0	1	0	0	0	0	0
## 26.4	0	1	0	0	0	0	0
## 27.3	0	1	0	0	0	0	0
## 28.2	0	1	0	0	0	0	0
## 29.1	0	1	0	0	0	0	0
## 30	0	1	0	0	0	0	0
## 17.12	0	1	0	0	0	0	0
## 18.11	0	1	0	0	0	0	0

## 21.10	0	1	0	0	0	0	0
## 22.9	0	1	0	0	0	0	0
## 23.8	0	1	0	0	0	0	0
## 24.7	0	1	0	0	0	0	0
## 25.6	0	1	0	0	0	0	0
## 26.5	0	1	0	0	0	0	0
## 27.4	0	1	0	0	0	0	0
## 28.3	0	1	0	0	0	0	0
## 29.2	0	1	0	0	0	0	0
## 30.1	0	1	0	0	0	0	0
## 31	0	1	0	0	0	0	0
## 17.13	0	1	0	0	0	0	0
## 18.12	0	1	0	0	0	0	0
## 21.11	0	1	0	0	0	0	0
## 22.10	0	1	0	0	0	0	0
## 23.9	0	1	0	0	0	0	0
## 24.8	0	1	0	0	0	0	0
## 25.7	0	1	0	0	0	0	0
## 26.6	0	1	0	0	0	0	0
## 27.5	0	1	0	0	0	0	0
## 28.4	0	1	0	0	0	0	0
## 29.3	0	1	0	0	0	0	0
## 30.2	0	1	0	0	0	0	0
## 31.1	0	1	0	0	0	0	0
## 32	0	1	0	0	0	0	0
## 17.14	0	1	0	0	0	0	0
## 18.13	0	1	0	0	0	0	0
## 21.12	0	1	0	0	0	0	0
## 22.11	0	1	0	0	0	0	0
## 23.10	0	1	0	0	0	0	0
## 24.9	0	1	0	0	0	0	0
## 25.8	0	1	0	0	0	0	0
## 26.7	0	1	0	0	0	0	0
## 27.6	0	1	0	0	0	0	0
## 28.5	0	1	0	0	0	0	0
## 29.4	0	1	0	0	0	0	0
## 30.3	0	1	0	0	0	0	0
## 31.2	0	1	0	0	0	0	0
## 32.1	0	1	0	0	0	0	0
## 33	0	1	0	0	0	0	0
## 17.15	0	1	0	0	0	0	0
## 18.14	0	1	0	0	0	0	0
## 21.13	0	1	0	0	0	0	0
## 22.12	0	1	0	0	0	0	0
## 23.11	0	1	0	0	0	0	0
## 24.10	0	1	0	0	0	0	0
## 25.9	0	1	0	0	0	0	0
## 26.8	0	1	0	0	0	0	0
## 27.7	0	1	0	0	0	0	0
## 28.6	0	1	0	0	0	0	0
## 29.5	0	1	0	0	0	0	0
## 30.4	0	1	0	0	0	0	0
## 31.3	0	1	0	0	0	0	0
## 32.2	0	1	0	0	0	0	0

## 33.1	0	1	0	0	0	0	0
## 34	0	1	0	0	0	0	0
## 17.16	0	1	0	0	0	0	0
## 18.15	0	1	0	0	0	0	0
## 21.14	0	1	0	0	0	0	0
## 22.13	0	1	0	0	0	0	0
## 23.12	0	1	0	0	0	0	0
## 24.11	0	1	0	0	0	0	0
## 25.10	0	1	0	0	0	0	0
## 26.9	0	1	0	0	0	0	0
## 27.8	0	1	0	0	0	0	0
## 28.7	0	1	0	0	0	0	0
## 29.6	0	1	0	0	0	0	0
## 30.5	0	1	0	0	0	0	0
## 31.4	0	1	0	0	0	0	0
## 32.3	0	1	0	0	0	0	0
## 33.2	0	1	0	0	0	0	0
## 34.1	0	1	0	0	0	0	0
## 35	0	1	0	0	0	0	0
## 17.17	0	1	0	0	0	0	0
## 18.16	0	1	0	0	0	0	0
## 21.15	0	1	0	0	0	0	0
## 22.14	0	1	0	0	0	0	0
## 23.13	0	1	0	0	0	0	0
## 24.12	0	1	0	0	0	0	0
## 25.11	0	1	0	0	0	0	0
## 26.10	0	1	0	0	0	0	0
## 27.9	0	1	0	0	0	0	0
## 28.8	0	1	0	0	0	0	0
## 29.7	0	1	0	0	0	0	0
## 30.6	0	1	0	0	0	0	0
## 31.5	0	1	0	0	0	0	0
## 32.4	0	1	0	0	0	0	0
## 33.3	0	1	0	0	0	0	0
## 34.2	0	1	0	0	0	0	0
## 35.1	0	1	0	0	0	0	0
## 36	0	1	0	0	0	0	0
## 17.18	0	1	0	0	0	0	0
## 18.17	0	1	0	0	0	0	0
## 21.16	0	1	0	0	0	0	0
## 22.15	0	1	0	0	0	0	0
## 23.14	0	1	0	0	0	0	0
## 24.13	0	1	0	0	0	0	0
## 25.12	0	1	0	0	0	0	0
## 26.11	0	1	0	0	0	0	0
## 27.10	0	1	0	0	0	0	0
## 28.9	0	1	0	0	0	0	0
## 29.8	0	1	0	0	0	0	0
## 30.7	0	1	0	0	0	0	0
## 31.6	0	1	0	0	0	0	0
## 32.5	0	1	0	0	0	0	0
## 33.4	0	1	0	0	0	0	0
## 34.3	0	1	0	0	0	0	0
## 35.2	0	1	0	0	0	0	0

## 36.1	0	1	0	0	0	0	0
## 37	0	1	0	0	0	0	0
## 17.19	0	1	0	0	0	0	0
## 18.18	0	1	0	0	0	0	0
## 21.17	0	1	0	0	0	0	0
## 22.16	0	1	0	0	0	0	0
## 23.15	0	1	0	0	0	0	0
## 24.14	0	1	0	0	0	0	0
## 25.13	0	1	0	0	0	0	0
## 26.12	0	1	0	0	0	0	0
## 27.11	0	1	0	0	0	0	0
## 28.10	0	1	0	0	0	0	0
## 29.9	0	1	0	0	0	0	0
## 30.8	0	1	0	0	0	0	0
## 31.7	0	1	0	0	0	0	0
## 32.6	0	1	0	0	0	0	0
## 33.5	0	1	0	0	0	0	0
## 34.4	0	1	0	0	0	0	0
## 35.3	0	1	0	0	0	0	0
## 36.2	0	1	0	0	0	0	0
## 37.1	0	1	0	0	0	0	0
## 38	0	1	0	0	0	0	0
## 17.20	0	1	0	0	0	0	0
## 18.19	0	1	0	0	0	0	0
## 21.18	0	1	0	0	0	0	0
## 22.17	0	1	0	0	0	0	0
## 23.16	0	1	0	0	0	0	0
## 24.15	0	1	0	0	0	0	0
## 25.14	0	1	0	0	0	0	0
## 26.13	0	1	0	0	0	0	0
## 27.12	0	1	0	0	0	0	0
## 28.11	0	1	0	0	0	0	0
## 29.10	0	1	0	0	0	0	0
## 30.9	0	1	0	0	0	0	0
## 31.8	0	1	0	0	0	0	0
## 32.7	0	1	0	0	0	0	0
## 33.6	0	1	0	0	0	0	0
## 34.5	0	1	0	0	0	0	0
## 35.4	0	1	0	0	0	0	0
## 36.3	0	1	0	0	0	0	0
## 37.2	0	1	0	0	0	0	0
## 38.1	0	1	0	0	0	0	0
## 39	0	1	0	0	0	0	0
## 17.21	0	1	0	0	0	0	0
## 18.20	0	1	0	0	0	0	0
## 21.19	0	1	0	0	0	0	0
## 22.18	0	1	0	0	0	0	0
## 23.17	0	1	0	0	0	0	0
## 24.16	0	1	0	0	0	0	0
## 25.15	0	1	0	0	0	0	0
## 26.14	0	1	0	0	0	0	0
## 27.13	0	1	0	0	0	0	0
## 28.12	0	1	0	0	0	0	0
## 29.11	0	1	0	0	0	0	0

## 30.10	0	1	0	0	0	0	0
## 31.9	0	1	0	0	0	0	0
## 32.8	0	1	0	0	0	0	0
## 33.7	0	1	0	0	0	0	0
## 34.6	0	1	0	0	0	0	0
## 35.5	0	1	0	0	0	0	0
## 36.4	0	1	0	0	0	0	0
## 37.3	0	1	0	0	0	0	0
## 38.2	0	1	0	0	0	0	0
## 39.1	0	1	0	0	0	0	0
## 41	0	1	0	0	0	0	0
## 10	1	0	0	0	0	0	0
## 50	0	1	0	0	0	0	0
## 51	1	0	0	0	0	0	0
## 58	1	0	0	0	0	0	0
## 44	0	1	0	0	0	0	0
## 49	0	1	0	0	0	0	0
## 9	0	1	0	0	0	0	0
## 58.1	1	0	0	0	0	0	0
## 59	1	0	0	0	0	0	0
## 74	1	0	0	0	0	0	0
## 76	1	0	0	0	0	0	0
## 88	1	0	0	0	0	0	0
## 83	0	1	0	0	0	0	0
## 89	1	0	0	0	0	0	0
## 79	0	1	0	0	0	0	0
## 76.1	1	0	0	0	0	0	0
## 77	1	0	0	0	0	0	0
## 73	0	1	0	0	0	0	0
## 72	0	1	0	0	0	0	0
## 71	0	1	0	0	0	0	0
## 96	0	0	0	1	0	0	0
## 74.1	1	0	0	0	0	0	0
## 75	1	0	0	0	0	0	0
## 104	0	1	0	0	0	0	0
## 119	1	0	0	0	0	0	0
## 129	0	0	1	0	0	0	0
## 128	0	1	0	0	0	0	1
## 122	0	1	0	0	0	0	1
## 142	1	0	0	0	0	0	0
## 150	1	0	0	0	0	0	0
## 121	0	1	0	0	0	0	0
## 167	0	1	0	0	0	0	0
## 121.1	0	1	0	0	0	0	0
## 154	0	1	0	0	0	0	0
## 142.1	1	0	0	0	0	0	0
## 146	1	0	0	0	0	0	0
## 119.1	1	0	0	0	0	0	0
## 120	1	0	0	0	0	0	0
## 177	1	0	0	0	0	0	0
## 174	0	1	0	0	0	0	0
## 175	0	1	0	0	0	0	0
## 176	0	1	0	0	0	0	0
## 135	0	1	0	0	0	0	0

## 169	0	1	0	0	0	0	0
## 196	1	0	0	0	0	0	0
## 196.1	1	0	0	0	0	0	0
## 197	1	0	0	0	0	0	0
## 196.2	1	0	0	0	0	0	0
## 197.1	1	0	0	0	0	0	0
## 198	1	0	0	0	0	0	0
## 196.3	1	0	0	0	0	0	0
## 197.2	1	0	0	0	0	0	0
## 198.1	1	0	0	0	0	0	0
## 199	1	0	0	0	0	0	0
## 196.4	1	0	0	0	0	0	0
## 197.3	1	0	0	0	0	0	0
## 198.2	1	0	0	0	0	0	0
## 199.1	1	0	0	0	0	0	0
## 200	1	0	0	0	0	0	0
## 195	0	1	0	0	0	0	0
## 206	1	0	0	0	0	0	0
## 208	0	1	0	0	0	0	0
## 213	0	1	0	0	0	0	0
## 213.1	0	1	0	0	0	0	0
## 214	0	1	0	0	0	0	0
## 213.2	0	1	0	0	0	0	0
## 214.1	0	1	0	0	0	0	0
## 215	0	1	0	0	0	0	0
## 217	1	0	0	0	0	0	0
## 217.1	1	0	0	0	0	0	0
## 218	1	0	0	0	0	0	0
## 231	0	1	0	0	0	0	0
## 242	0	1	0	0	0	0	0
## 250	0	1	0	0	0	0	0
## 223	0	1	0	0	0	0	0
## 238	1	0	0	0	0	0	0
## 246	0	1	0	0	0	0	1
## 246.1	0	1	0	0	0	0	1
## 260	0	1	0	0	0	0	1
## 282	0	1	0	0	0	0	0
## 284	0	0	0	1	0	0	0
## 196.5	1	0	0	0	0	0	0
## 197.4	1	0	0	0	0	0	0
## 198.3	1	0	0	0	0	0	0
## 199.2	1	0	0	0	0	0	0
## 200.1	1	0	0	0	0	0	0
## 201	1	0	0	0	0	0	0
## 195.1	0	1	0	0	0	0	0
## 202	0	1	0	0	0	0	0
## 238.1	1	0	0	0	0	0	0
## 254	1	0	0	0	0	0	0
## 296	1	0	0	0	0	0	0
## 237	1	0	0	0	0	0	0
## 296.1	1	0	0	0	0	0	0
## 297	1	0	0	0	0	0	0
## 275	0	1	0	0	0	0	0
## 296.2	1	0	0	0	0	0	0

## 297.1	1	0	0	0	0	0	0
## 299	1	0	0	0	0	0	0
## 237.1	1	0	0	0	0	0	0
## 298	1	0	0	0	0	0	0
## 292	0	1	0	0	0	0	0
## 195.2	0	1	0	0	0	0	0
## 202.1	0	1	0	0	0	0	0
## 293	0	1	0	0	0	0	0
## 317	1	0	0	0	0	0	0
## 316	0	0	0	1	0	0	0
## 322	0	0	1	0	0	0	0
## 324	0	1	0	0	0	0	0
## 329	0	1	0	0	0	0	1
## 337	0	1	0	0	0	0	1
## 355	0	1	0	0	0	0	1
## 322.1	0	0	1	0	0	0	0
## 323	0	0	1	0	0	0	0
## 320	0	1	0	0	0	0	0
## 317.1	1	0	0	0	0	0	0
## 318	1	0	0	0	0	0	0
## 319	0	1	0	0	0	0	0
## 317.2	1	0	0	0	0	0	0
## 318.1	1	0	0	0	0	0	0
## 375	1	0	0	0	0	0	0
## 393	0	0	1	0	0	0	0
## 316.1	0	0	0	1	0	0	0
## 321	0	0	0	1	0	0	0
## 381	0	1	0	0	0	0	0
## 399	0	1	0	0	0	0	0
## 399.1	0	1	0	0	0	0	0
## 400	0	1	0	0	0	0	0
## 402	0	1	0	0	0	0	1
## 408	0	1	0	0	0	0	0
## 408.1	0	1	0	0	0	0	0
## 409	0	1	0	0	0	0	0
## 417	0	1	0	0	0	0	0
## 411	0	1	0	0	0	0	1
## 408.2	0	1	0	0	0	0	0
## 409.1	0	1	0	0	0	0	0
## 410	0	1	0	0	0	0	0
## 431	0	1	0	0	0	0	1
## 435	0	1	0	0	0	0	1
## 433	0	1	0	0	0	0	1
## 427	0	1	0	0	0	0	1
## 447	1	0	0	0	0	0	0
## 449	1	0	0	0	0	0	0
## 465	0	1	0	0	0	0	1
## 470	0	0	1	0	0	0	1
## 460	0	1	0	0	0	0	1
## 479	0	1	0	0	0	0	0
## 402.1	0	1	0	0	0	0	1
## 403	0	1	0	0	0	0	1
## 502	0	0	1	0	0	0	1
## 502.1	0	0	1	0	0	0	1

## 503	0	0	1	0	0	0	1
## 497	1	0	0	0	0	0	0
## 514	0	1	0	0	0	0	1
## 507	0	1	0	0	0	0	0
## 399.2	0	1	0	0	0	0	0
## 400.1	0	1	0	0	0	0	0
## 401	0	1	0	0	0	0	0
## 497.1	1	0	0	0	0	0	0
## 508	1	0	0	0	0	0	0
## 495	0	1	0	0	0	0	0
## 572	0	1	0	0	0	0	0
## 574	1	0	0	0	0	0	0
## 574.1	1	0	0	0	0	0	0
## 575	1	0	0	0	0	0	0
## 579	1	0	0	0	0	0	0
## 579.1	1	0	0	0	0	0	0
## 582	1	0	0	0	0	0	0
## 586	0	0	0	1	0	0	0
## 572.1	0	1	0	0	0	0	0
## 573	0	1	0	0	0	0	0
## 599	1	0	0	0	0	0	0
## 612	0	1	0	0	0	0	1
## 617	0	1	0	0	0	0	0
## 616	0	1	0	0	0	0	1
## 641	0	1	0	0	0	0	1
## 662	0	1	0	0	0	0	1
## 668	1	0	0	0	0	0	0
## 678	0	0	0	1	0	0	0
## 677	0	1	0	0	0	0	0
## 647	0	1	0	0	0	0	0
## 700	0	1	0	0	0	0	0
## 704	1	0	0	0	0	0	0
## 709	1	0	0	0	0	0	0
## 732	1	0	0	0	0	0	0
## 806	0	1	0	0	0	0	0
## 700.1	0	1	0	0	0	0	0
## 701	0	1	0	0	0	0	0
## 851	0	1	0	0	0	0	0
## 859	0	1	0	0	0	0	0
## 887	0	1	0	0	0	0	0
## 894	0	1	0	0	0	0	0
## 896	0	1	0	0	0	0	0
## 899	0	1	0	0	0	0	0
## 901	1	0	0	0	0	0	0
## 910	1	0	0	0	0	0	0
## 894.1	0	1	0	0	0	0	0
## 900	0	1	0	0	0	0	0
## 917	1	0	0	0	0	0	0
## 926	1	0	0	0	0	0	0
## 892	1	0	0	0	0	0	0
## 945	0	1	0	0	0	0	0
## 937	1	0	0	0	0	0	0
## 908	0	1	0	0	0	0	0
## 958	1	0	0	0	0	0	0



## 971	1	0	0	0	0	0	0
## 985	0	1	0	0	0	0	0
## 1019	0	1	0	0	0	0	1
## 1039	1	0	0	0	0	0	0
## 1017	0	1	0	0	0	0	1
## 1097	0	1	0	0	0	0	0
## 1135	0	1	0	0	0	0	0
## 1135.1	0	1	0	0	0	0	0
## 1136	0	1	0	0	0	0	0
## 1139	0	1	0	0	0	0	0
## 1139.1	0	1	0	0	0	0	0
## 1140	0	1	0	0	0	0	0
## 1145	0	1	0	0	0	0	0
## 1143	0	1	0	0	0	0	0
## 1145.1	0	1	0	0	0	0	0
## 1146	0	1	0	0	0	0	0
## 1138	0	1	0	0	0	0	0
## 1167	1	0	0	0	0	0	0
## 1173	1	0	0	0	0	0	0
## 1175	1	0	0	0	0	0	0
## 1178	0	1	0	0	0	0	0
## 1217	1	0	0	0	0	0	0
## 1211	0	1	0	0	0	0	0
## 1131	0	0	0	0	1	0	1
## 1250	1	0	0	0	0	0	0
## 1253	0	1	0	0	0	0	0
## 1268	0	1	0	0	0	0	1
## 1248	0	1	0	0	0	0	0
## 1249	0	1	0	0	0	0	0
## 1216	0	1	0	0	0	0	0
## 1216.1	0	1	0	0	0	0	0
## 1280	0	1	0	0	0	0	0
## 1266	0	1	0	0	0	0	1
## 1293	0	1	0	0	0	0	0
## 1295	1	0	0	0	0	0	0
## 1295.1	1	0	0	0	0	0	0
## 1296	1	0	0	0	0	0	0
## 1305	0	1	0	0	0	0	0
## 1308	0	1	0	0	0	0	1
## 1308.1	0	1	0	0	0	0	1
## 1309	0	1	0	0	0	0	1
## 1311	1	0	0	0	0	0	1
## 1315	1	0	0	0	0	0	0
## 1315.1	1	0	0	0	0	0	0
## 1316	1	0	0	0	0	0	0
## 1318	0	1	0	0	0	0	0
## 1320	0	1	0	0	0	0	0
## 1315.2	1	0	0	0	0	0	0
## 1316.1	1	0	0	0	0	0	0
## 1317	1	0	0	0	0	0	0
## 1327	1	0	0	0	0	0	0
## 1341	0	1	0	0	0	0	0
## 1345	0	1	0	0	0	0	0
## 1350	0	1	0	0	0	0	0

## 1408	0	1	0	0	0	0	1
## 1438	0	1	0	0	0	0	0
## 1443	0	1	0	0	0	0	0
## 1443.1	0	1	0	0	0	0	0
## 1444	0	1	0	0	0	0	0
## 1290	0	1	0	0	0	0	0
## 1465	0	1	0	0	0	0	0
## 1474	1	0	0	0	0	0	1
## 1474.1	1	0	0	0	0	0	1
## 1475	1	0	0	0	0	0	1
## 1485	0	1	0	0	0	0	0
## 1503	0	1	0	0	0	0	0
## 1506	0	1	0	0	0	0	0
## 1509	0	1	0	0	0	0	1
## 1533	0	1	0	0	0	0	0
## 1533.1	0	1	0	0	0	0	0
## 1534	0	1	0	0	0	0	0
## 1533.2	0	1	0	0	0	0	0
## 1534.1	0	1	0	0	0	0	0
## 1537	0	1	0	0	0	0	0
## 1533.3	0	1	0	0	0	0	0
## 1534.2	0	1	0	0	0	0	0
## 1537.1	0	1	0	0	0	0	0
## 1539	0	1	0	0	0	0	0
## 1545	0	1	0	0	0	0	0
## 1545.1	0	1	0	0	0	0	0
## 1546	0	1	0	0	0	0	0
## 1548	1	0	0	0	0	0	0
## 1552	0	1	0	0	0	0	0
## 1552.1	0	1	0	0	0	0	0
## 1557	0	1	0	0	0	0	0
## 1571	1	0	0	0	0	0	0
## 1580	0	1	0	0	0	0	1
## 1570	0	0	0	1	0	0	0
## 1584	0	1	0	0	0	0	1
## 1584.1	0	1	0	0	0	0	1
## 1606	0	1	0	0	0	0	1
## 1609	0	1	0	0	0	0	0
## 1612	0	1	0	0	0	0	0
## 1624	0	1	0	0	0	0	0
## 1629	1	0	0	0	0	0	1
## 1631	0	1	0	0	0	0	0
## 1642	0	0	0	1	0	0	0
## 1663	0	1	0	0	0	0	0
## 1702	0	1	0	0	0	0	1
## 1700	0	1	0	0	0	0	1
## 1719	0	1	0	0	0	0	0
## 1719.1	0	1	0	0	0	0	0
## 1720	0	1	0	0	0	0	0
## 1731	0	1	0	0	0	0	0
## 1742	0	1	0	0	0	0	0
## 1698	0	1	0	0	0	0	0
## 1749	0	1	0	0	0	0	0
## 1741	0	1	0	0	0	0	0

## 1768	0	1	0	0	0	0	1
## 1807	0	1	0	0	0	0	0
## 1771	0	1	0	0	0	0	0
## 1814	0	1	0	0	0	0	0
## 1830	1	0	0	0	0	0	1
## 1848	0	1	0	0	0	0	0
## 1853	0	1	0	0	0	0	0
## 1863	0	0	1	0	0	0	1
## 1862	1	0	0	0	0	0	1
## 1862.1	1	0	0	0	0	0	1
## 1867	1	0	0	0	0	0	1
## 1865	0	1	0	0	0	0	0
## 1862.2	1	0	0	0	0	0	1
## 1867.1	1	0	0	0	0	0	1
## 1868	1	0	0	0	0	0	1
## 1862.3	1	0	0	0	0	0	1
## 1867.2	1	0	0	0	0	0	1
## 1868.1	1	0	0	0	0	0	1
## 1872	1	0	0	0	0	0	1
## 1879	0	1	0	0	0	0	0
## 1911	0	1	0	0	0	0	0
## 1952	0	1	0	0	0	0	0
## 1954	0	1	0	0	0	0	0
## 1973	0	1	0	0	0	0	0
## 1989	0	1	0	0	0	0	0
## 1994	0	1	0	0	0	0	1
## 1996	0	1	0	0	0	0	1
## 1998	1	0	0	0	0	0	1
## 1998.1	1	0	0	0	0	0	1
## 1999	1	0	0	0	0	0	1
## 2001	0	1	0	0	0	0	1
## 2021	0	1	0	0	0	0	0
## 2015	0	1	0	0	0	0	0
## 2029	0	1	0	0	0	0	0
## 2034	0	1	0	0	0	0	0
## 2039	1	0	0	0	0	0	1
## 2045	0	1	0	0	0	0	1
## 2064	1	0	0	0	0	0	0
## 2062	0	1	0	0	0	0	0
## 2069	0	1	0	0	0	0	0
## 2064.1	1	0	0	0	0	0	0
## 2070	1	0	0	0	0	0	0
## 2101	1	0	0	0	0	0	0
## 2110	0	1	0	0	0	0	0
## 2113	1	0	0	0	0	0	0
## 2131	0	1	0	0	0	0	0
## 2131.1	0	1	0	0	0	0	0
## 2132	0	1	0	0	0	0	0
## 2135	0	1	0	0	0	0	0
## 2145	0	1	0	0	0	0	0
## 2153	0	1	0	0	0	0	0
## 2162	0	0	1	0	0	0	0
## 2162.1	0	0	1	0	0	0	0
## 2163	0	0	1	0	0	0	0

## 2168	0	1	0	0	0	0	1
## 2168.1	0	1	0	0	0	0	1
## 2169	0	1	0	0	0	0	1
## 2179	0	1	0	0	0	0	0
## 2178	0	1	0	0	0	0	1
## 2182	0	1	0	0	0	0	0
## 2162.2	0	0	1	0	0	0	0
## 2163.1	0	0	1	0	0	0	0
## 2164	0	0	1	0	0	0	0
## 2187	0	1	0	0	0	0	1
## 2162.3	0	0	1	0	0	0	0
## 2163.2	0	0	1	0	0	0	0
## 2164.1	0	0	1	0	0	0	0
## 2184	0	0	1	0	0	0	0
## 2174	0	1	0	0	0	0	1
## 2179.1	0	1	0	0	0	0	0
## 2180	0	1	0	0	0	0	0
## 2212	0	1	0	0	0	0	1
## 2229	0	1	0	0	0	0	0
## 2229.1	0	1	0	0	0	0	0
## 2230	0	1	0	0	0	0	0
## 2237	0	1	0	0	0	0	0
## 2247	0	1	0	0	0	0	0
## 2252	0	1	0	0	0	0	0
## 2275	0	1	0	0	0	0	0
## 2282	0	1	0	0	0	0	0
## 2273	0	1	0	0	0	0	0
## 2273.1	0	1	0	0	0	0	0
## 2285	0	1	0	0	0	0	0
## 2287	0	1	0	0	0	0	0
## 2292	0	1	0	0	0	0	0
## 2297	1	0	0	0	0	0	0
## 2300	1	0	0	0	0	0	0
## 2302	0	1	0	0	0	0	0
## 2308	1	0	0	0	0	0	0
## 2308.1	1	0	0	0	0	0	0
## 2309	1	0	0	0	0	0	0
## 2323	1	0	0	0	0	0	0
## 2339	0	1	0	0	0	0	0
## 2357	1	0	0	0	0	0	0
## 2360	0	1	0	0	0	0	0
## 2349	0	0	1	0	0	0	0
## 2367	0	1	0	0	0	0	0
## 2366	0	1	0	0	0	0	0
## 2380	0	1	0	0	0	0	0
## 2418	0	1	0	0	0	0	0
## 2433	0	1	0	0	0	0	0
## 2442	0	1	0	0	0	0	0
## 2450	0	1	0	0	0	0	0
## 2463	0	1	0	0	0	0	0
## 2480	0	1	0	0	0	0	1
## 2493	0	1	0	0	0	0	0
## 2504	0	1	0	0	0	0	1
## 2508	0	1	0	0	0	0	1

## 2512	0	1	0	0	0	0	1
## 2525	1	0	0	0	0	0	0
## 2533	0	0	0	0	1	0	0
## 2541	0	0	0	0	1	0	0
## 2548	0	1	0	0	0	0	0
## 2556	0	1	0	0	0	0	0
## 2568	0	1	0	0	0	0	0
## 2574	0	1	0	0	0	0	0
## 2573	1	0	0	0	0	0	0
## 2574.1	0	1	0	0	0	0	0
## 2575	0	1	0	0	0	0	0
## 2585	0	1	0	0	0	0	0
## 2574.2	0	1	0	0	0	0	0
## 2575.1	0	1	0	0	0	0	0
## 2579	0	1	0	0	0	0	0
## 2574.3	0	1	0	0	0	0	0
## 2575.2	0	1	0	0	0	0	0
## 2579.1	0	1	0	0	0	0	0
## 2591	0	1	0	0	0	0	0
## 2574.4	0	1	0	0	0	0	0
##	Pisosvs2	Pisosvs3	Pisosvs4	Pisosvs7	Pisosvs9	Suelosvs1	Suelosvs2
## 3	0	0	0	0	1	0	0
## 3.1	0	0	0	0	1	0	0
## 4	0	0	0	0	1	0	0
## 2	0	0	0	0	1	0	1
## 11	0	0	0	0	1	0	0
## 11.1	0	0	0	0	1	0	0
## 12	0	0	0	0	1	0	0
## 11.2	0	0	0	0	1	0	0
## 12.1	0	0	0	0	1	0	0
## 13	0	0	0	0	1	0	0
## 11.3	0	0	0	0	1	0	0
## 12.2	0	0	0	0	1	0	0
## 13.1	0	0	0	0	1	0	0
## 14	0	0	0	0	1	0	0
## 11.4	0	0	0	0	1	0	0
## 12.3	0	0	0	0	1	0	0
## 13.2	0	0	0	0	1	0	0
## 14.1	0	0	0	0	1	0	0
## 15	0	0	0	0	1	0	0
## 17	0	0	0	0	1	0	0
## 11.5	0	0	0	0	1	0	0
## 12.4	0	0	0	0	1	0	0
## 13.3	0	0	0	0	1	0	0
## 14.2	0	0	0	0	1	0	0
## 15.1	0	0	0	0	1	0	0
## 16	0	0	0	0	1	0	0
## 17.1	0	0	0	0	1	0	0
## 18	0	0	0	0	1	0	0
## 17.2	0	0	0	0	1	0	0
## 18.1	0	0	0	0	1	0	0
## 21	0	0	0	0	1	0	0
## 17.3	0	0	0	0	1	0	0
## 18.2	0	0	0	0	1	0	0

## 21.1	0	0	0	0	1	0	0
## 22	0	0	0	0	1	0	0
## 17.4	0	0	0	0	1	0	0
## 18.3	0	0	0	0	1	0	0
## 21.2	0	0	0	0	1	0	0
## 22.1	0	0	0	0	1	0	0
## 23	0	0	0	0	1	0	0
## 17.5	0	0	0	0	1	0	0
## 18.4	0	0	0	0	1	0	0
## 21.3	0	0	0	0	1	0	0
## 22.2	0	0	0	0	1	0	0
## 23.1	0	0	0	0	1	0	0
## 24	0	0	0	0	1	0	0
## 17.6	0	0	0	0	1	0	0
## 18.5	0	0	0	0	1	0	0
## 21.4	0	0	0	0	1	0	0
## 22.3	0	0	0	0	1	0	0
## 23.2	0	0	0	0	1	0	0
## 24.1	0	0	0	0	1	0	0
## 25	0	0	0	0	1	0	0
## 17.7	0	0	0	0	1	0	0
## 18.6	0	0	0	0	1	0	0
## 21.5	0	0	0	0	1	0	0
## 22.4	0	0	0	0	1	0	0
## 23.3	0	0	0	0	1	0	0
## 24.2	0	0	0	0	1	0	0
## 25.1	0	0	0	0	1	0	0
## 26	0	0	0	0	1	0	0
## 17.8	0	0	0	0	1	0	0
## 18.7	0	0	0	0	1	0	0
## 21.6	0	0	0	0	1	0	0
## 22.5	0	0	0	0	1	0	0
## 23.4	0	0	0	0	1	0	0
## 24.3	0	0	0	0	1	0	0
## 25.2	0	0	0	0	1	0	0
## 26.1	0	0	0	0	1	0	0
## 27	0	0	0	0	1	0	0
## 17.9	0	0	0	0	1	0	0
## 18.8	0	0	0	0	1	0	0
## 21.7	0	0	0	0	1	0	0
## 22.6	0	0	0	0	1	0	0
## 23.5	0	0	0	0	1	0	0
## 24.4	0	0	0	0	1	0	0
## 25.3	0	0	0	0	1	0	0
## 26.2	0	0	0	0	1	0	0
## 27.1	0	0	0	0	1	0	0
## 28	0	0	0	0	1	0	0
## 17.10	0	0	0	0	1	0	0
## 18.9	0	0	0	0	1	0	0
## 21.8	0	0	0	0	1	0	0
## 22.7	0	0	0	0	1	0	0
## 23.6	0	0	0	0	1	0	0
## 24.5	0	0	0	0	1	0	0
## 25.4	0	0	0	0	1	0	0

## 26.3	0	0	0	0	1	0	0
## 27.2	0	0	0	0	1	0	0
## 28.1	0	0	0	0	1	0	0
## 29	0	0	0	0	1	0	0
## 17.11	0	0	0	0	1	0	0
## 18.10	0	0	0	0	1	0	0
## 21.9	0	0	0	0	1	0	0
## 22.8	0	0	0	0	1	0	0
## 23.7	0	0	0	0	1	0	0
## 24.6	0	0	0	0	1	0	0
## 25.5	0	0	0	0	1	0	0
## 26.4	0	0	0	0	1	0	0
## 27.3	0	0	0	0	1	0	0
## 28.2	0	0	0	0	1	0	0
## 29.1	0	0	0	0	1	0	0
## 30	0	0	0	0	1	0	0
## 17.12	0	0	0	0	1	0	0
## 18.11	0	0	0	0	1	0	0
## 21.10	0	0	0	0	1	0	0
## 22.9	0	0	0	0	1	0	0
## 23.8	0	0	0	0	1	0	0
## 24.7	0	0	0	0	1	0	0
## 25.6	0	0	0	0	1	0	0
## 26.5	0	0	0	0	1	0	0
## 27.4	0	0	0	0	1	0	0
## 28.3	0	0	0	0	1	0	0
## 29.2	0	0	0	0	1	0	0
## 30.1	0	0	0	0	1	0	0
## 31	0	0	0	0	1	0	0
## 17.13	0	0	0	0	1	0	0
## 18.12	0	0	0	0	1	0	0
## 21.11	0	0	0	0	1	0	0
## 22.10	0	0	0	0	1	0	0
## 23.9	0	0	0	0	1	0	0
## 24.8	0	0	0	0	1	0	0
## 25.7	0	0	0	0	1	0	0
## 26.6	0	0	0	0	1	0	0
## 27.5	0	0	0	0	1	0	0
## 28.4	0	0	0	0	1	0	0
## 29.3	0	0	0	0	1	0	0
## 30.2	0	0	0	0	1	0	0
## 31.1	0	0	0	0	1	0	0
## 32	0	0	0	0	1	0	0
## 17.14	0	0	0	0	1	0	0
## 18.13	0	0	0	0	1	0	0
## 21.12	0	0	0	0	1	0	0
## 22.11	0	0	0	0	1	0	0
## 23.10	0	0	0	0	1	0	0
## 24.9	0	0	0	0	1	0	0
## 25.8	0	0	0	0	1	0	0
## 26.7	0	0	0	0	1	0	0
## 27.6	0	0	0	0	1	0	0
## 28.5	0	0	0	0	1	0	0
## 29.4	0	0	0	0	1	0	0

## 30.3	0	0	0	0	1	0	0
## 31.2	0	0	0	0	1	0	0
## 32.1	0	0	0	0	1	0	0
## 33	0	0	0	0	1	0	0
## 17.15	0	0	0	0	1	0	0
## 18.14	0	0	0	0	1	0	0
## 21.13	0	0	0	0	1	0	0
## 22.12	0	0	0	0	1	0	0
## 23.11	0	0	0	0	1	0	0
## 24.10	0	0	0	0	1	0	0
## 25.9	0	0	0	0	1	0	0
## 26.8	0	0	0	0	1	0	0
## 27.7	0	0	0	0	1	0	0
## 28.6	0	0	0	0	1	0	0
## 29.5	0	0	0	0	1	0	0
## 30.4	0	0	0	0	1	0	0
## 31.3	0	0	0	0	1	0	0
## 32.2	0	0	0	0	1	0	0
## 33.1	0	0	0	0	1	0	0
## 34	0	0	0	0	1	0	0
## 17.16	0	0	0	0	1	0	0
## 18.15	0	0	0	0	1	0	0
## 21.14	0	0	0	0	1	0	0
## 22.13	0	0	0	0	1	0	0
## 23.12	0	0	0	0	1	0	0
## 24.11	0	0	0	0	1	0	0
## 25.10	0	0	0	0	1	0	0
## 26.9	0	0	0	0	1	0	0
## 27.8	0	0	0	0	1	0	0
## 28.7	0	0	0	0	1	0	0
## 29.6	0	0	0	0	1	0	0
## 30.5	0	0	0	0	1	0	0
## 31.4	0	0	0	0	1	0	0
## 32.3	0	0	0	0	1	0	0
## 33.2	0	0	0	0	1	0	0
## 34.1	0	0	0	0	1	0	0
## 35	0	0	0	0	1	0	0
## 17.17	0	0	0	0	1	0	0
## 18.16	0	0	0	0	1	0	0
## 21.15	0	0	0	0	1	0	0
## 22.14	0	0	0	0	1	0	0
## 23.13	0	0	0	0	1	0	0
## 24.12	0	0	0	0	1	0	0
## 25.11	0	0	0	0	1	0	0
## 26.10	0	0	0	0	1	0	0
## 27.9	0	0	0	0	1	0	0
## 28.8	0	0	0	0	1	0	0
## 29.7	0	0	0	0	1	0	0
## 30.6	0	0	0	0	1	0	0
## 31.5	0	0	0	0	1	0	0
## 32.4	0	0	0	0	1	0	0
## 33.3	0	0	0	0	1	0	0
## 34.2	0	0	0	0	1	0	0
## 35.1	0	0	0	0	1	0	0



## 36	0	0	0	0	1	0	0
## 17.18	0	0	0	0	1	0	0
## 18.17	0	0	0	0	1	0	0
## 21.16	0	0	0	0	1	0	0
## 22.15	0	0	0	0	1	0	0
## 23.14	0	0	0	0	1	0	0
## 24.13	0	0	0	0	1	0	0
## 25.12	0	0	0	0	1	0	0
## 26.11	0	0	0	0	1	0	0
## 27.10	0	0	0	0	1	0	0
## 28.9	0	0	0	0	1	0	0
## 29.8	0	0	0	0	1	0	0
## 30.7	0	0	0	0	1	0	0
## 31.6	0	0	0	0	1	0	0
## 32.5	0	0	0	0	1	0	0
## 33.4	0	0	0	0	1	0	0
## 34.3	0	0	0	0	1	0	0
## 35.2	0	0	0	0	1	0	0
## 36.1	0	0	0	0	1	0	0
## 37	0	0	0	0	1	0	0
## 17.19	0	0	0	0	1	0	0
## 18.18	0	0	0	0	1	0	0
## 21.17	0	0	0	0	1	0	0
## 22.16	0	0	0	0	1	0	0
## 23.15	0	0	0	0	1	0	0
## 24.14	0	0	0	0	1	0	0
## 25.13	0	0	0	0	1	0	0
## 26.12	0	0	0	0	1	0	0
## 27.11	0	0	0	0	1	0	0
## 28.10	0	0	0	0	1	0	0
## 29.9	0	0	0	0	1	0	0
## 30.8	0	0	0	0	1	0	0
## 31.7	0	0	0	0	1	0	0
## 32.6	0	0	0	0	1	0	0
## 33.5	0	0	0	0	1	0	0
## 34.4	0	0	0	0	1	0	0
## 35.3	0	0	0	0	1	0	0
## 36.2	0	0	0	0	1	0	0
## 37.1	0	0	0	0	1	0	0
## 38	0	0	0	0	1	0	0
## 17.20	0	0	0	0	1	0	0
## 18.19	0	0	0	0	1	0	0
## 21.18	0	0	0	0	1	0	0
## 22.17	0	0	0	0	1	0	0
## 23.16	0	0	0	0	1	0	0
## 24.15	0	0	0	0	1	0	0
## 25.14	0	0	0	0	1	0	0
## 26.13	0	0	0	0	1	0	0
## 27.12	0	0	0	0	1	0	0
## 28.11	0	0	0	0	1	0	0
## 29.10	0	0	0	0	1	0	0
## 30.9	0	0	0	0	1	0	0
## 31.8	0	0	0	0	1	0	0
## 32.7	0	0	0	0	1	0	0

## 33.6	0	0	0	0	1	0	0
## 34.5	0	0	0	0	1	0	0
## 35.4	0	0	0	0	1	0	0
## 36.3	0	0	0	0	1	0	0
## 37.2	0	0	0	0	1	0	0
## 38.1	0	0	0	0	1	0	0
## 39	0	0	0	0	1	0	0
## 17.21	0	0	0	0	1	0	0
## 18.20	0	0	0	0	1	0	0
## 21.19	0	0	0	0	1	0	0
## 22.18	0	0	0	0	1	0	0
## 23.17	0	0	0	0	1	0	0
## 24.16	0	0	0	0	1	0	0
## 25.15	0	0	0	0	1	0	0
## 26.14	0	0	0	0	1	0	0
## 27.13	0	0	0	0	1	0	0
## 28.12	0	0	0	0	1	0	0
## 29.11	0	0	0	0	1	0	0
## 30.10	0	0	0	0	1	0	0
## 31.9	0	0	0	0	1	0	0
## 32.8	0	0	0	0	1	0	0
## 33.7	0	0	0	0	1	0	0
## 34.6	0	0	0	0	1	0	0
## 35.5	0	0	0	0	1	0	0
## 36.4	0	0	0	0	1	0	0
## 37.3	0	0	0	0	1	0	0
## 38.2	0	0	0	0	1	0	0
## 39.1	0	0	0	0	1	0	0
## 41	0	0	0	0	1	0	0
## 10	0	0	0	0	1	0	1
## 50	0	0	0	0	1	0	0
## 51	0	0	0	0	1	0	0
## 58	0	0	0	0	1	0	1
## 44	0	0	0	0	1	0	0
## 49	0	0	0	0	1	0	0
## 9	0	0	0	0	1	0	0
## 58.1	0	0	0	0	1	0	1
## 59	0	0	0	0	1	0	1
## 74	0	0	0	0	1	0	0
## 76	0	0	0	0	1	0	0
## 88	0	0	0	0	1	0	0
## 83	0	0	0	0	1	0	0
## 89	0	0	0	0	1	0	0
## 79	0	0	0	0	1	0	0
## 76.1	0	0	0	0	1	0	0
## 77	0	0	0	0	1	0	0
## 73	0	0	0	0	1	0	0
## 72	0	0	0	0	1	0	0
## 71	0	0	0	0	1	0	0
## 96	0	0	0	0	1	0	0
## 74.1	0	0	0	0	1	0	0
## 75	0	0	0	0	1	0	0
## 104	0	0	0	0	1	0	0
## 119	0	0	0	0	1	0	0

## 129	0	1	0	0	0	0	1
## 128	0	0	0	0	0	0	1
## 122	0	0	0	0	0	0	1
## 142	0	0	0	1	0	0	0
## 150	0	0	0	0	1	0	0
## 121	0	0	0	0	1	0	0
## 167	0	0	0	0	1	0	0
## 121.1	0	0	0	0	1	0	0
## 154	0	0	0	0	1	0	0
## 142.1	0	0	0	1	0	0	0
## 146	0	0	0	1	0	0	0
## 119.1	0	0	0	0	1	0	0
## 120	0	0	0	0	1	0	0
## 177	0	0	0	0	1	0	0
## 174	0	0	0	0	1	0	0
## 175	0	0	0	0	1	0	0
## 176	0	0	0	0	1	0	0
## 135	0	0	0	1	0	0	1
## 169	0	0	0	0	1	1	0
## 196	0	0	0	1	0	0	0
## 196.1	0	0	0	1	0	0	0
## 197	0	0	0	1	0	0	0
## 196.2	0	0	0	1	0	0	0
## 197.1	0	0	0	1	0	0	0
## 198	0	0	0	1	0	0	0
## 196.3	0	0	0	1	0	0	0
## 197.2	0	0	0	1	0	0	0
## 198.1	0	0	0	1	0	0	0
## 199	0	0	0	1	0	0	0
## 196.4	0	0	0	1	0	0	0
## 197.3	0	0	0	1	0	0	0
## 198.2	0	0	0	1	0	0	0
## 199.1	0	0	0	1	0	0	0
## 200	0	0	0	1	0	0	0
## 195	0	0	0	0	1	0	0
## 206	1	0	0	0	0	0	1
## 208	1	0	0	0	0	0	1
## 213	1	0	0	0	0	0	0
## 213.1	1	0	0	0	0	0	0
## 214	1	0	0	0	0	0	0
## 213.2	1	0	0	0	0	0	0
## 214.1	1	0	0	0	0	0	0
## 215	1	0	0	0	0	0	0
## 217	1	0	0	0	0	0	1
## 217.1	1	0	0	0	0	0	1
## 218	1	0	0	0	0	0	1
## 231	1	0	0	0	0	0	0
## 242	0	1	0	0	0	0	1
## 250	1	0	0	0	0	0	1
## 223	0	1	0	0	0	0	1
## 238	0	0	0	0	1	1	0
## 246	0	0	0	0	0	0	0
## 246.1	0	0	0	0	0	0	0
## 260	0	0	0	0	0	0	0

## 282	1	0	0	0	0	0	1
## 284	0	0	0	0	1	0	0
## 196.5	0	0	0	1	0	0	0
## 197.4	0	0	0	1	0	0	0
## 198.3	0	0	0	1	0	0	0
## 199.2	0	0	0	1	0	0	0
## 200.1	0	0	0	1	0	0	0
## 201	0	0	0	1	0	0	0
## 195.1	0	0	0	0	1	0	0
## 202	0	0	0	0	1	0	0
## 238.1	0	0	0	0	1	1	0
## 254	0	0	0	0	1	1	0
## 296	0	0	0	0	1	0	0
## 237	0	0	0	0	1	0	0
## 296.1	0	0	0	0	1	0	0
## 297	0	0	0	0	1	0	0
## 275	0	1	0	0	0	0	1
## 296.2	0	0	0	0	1	0	0
## 297.1	0	0	0	0	1	0	0
## 299	0	0	0	0	1	0	0
## 237.1	0	0	0	0	1	0	0
## 298	0	0	0	0	1	0	0
## 292	0	0	0	0	1	0	0
## 195.2	0	0	0	0	1	0	0
## 202.1	0	0	0	0	1	0	0
## 293	0	0	0	0	1	0	0
## 317	0	0	0	0	1	0	0
## 316	0	0	0	0	1	0	0
## 322	0	0	1	0	0	0	0
## 324	0	0	1	0	0	0	1
## 329	0	0	0	0	0	0	0
## 337	0	0	0	0	0	0	1
## 355	0	0	0	0	0	0	0
## 322.1	0	0	1	0	0	0	0
## 323	0	0	1	0	0	0	0
## 320	0	0	0	1	0	0	0
## 317.1	0	0	0	0	1	0	0
## 318	0	0	0	0	1	0	0
## 319	0	0	0	0	1	0	0
## 317.2	0	0	0	0	1	0	0
## 318.1	0	0	0	0	1	0	0
## 375	0	0	0	0	1	0	0
## 393	0	0	1	0	0	0	0
## 316.1	0	0	0	0	1	0	0
## 321	0	0	0	0	1	0	0
## 381	0	0	0	1	0	0	0
## 399	0	0	0	0	1	0	0
## 399.1	0	0	0	0	1	0	0
## 400	0	0	0	0	1	0	0
## 402	0	0	0	0	0	0	0
## 408	0	0	1	0	0	0	0
## 408.1	0	0	1	0	0	0	0
## 409	0	0	1	0	0	0	0
## 417	0	0	1	0	0	0	0

## 411	0	0	0	0	0	0	0
## 408.2	0	0	1	0	0	0	0
## 409.1	0	0	1	0	0	0	0
## 410	0	0	1	0	0	0	0
## 431	0	0	0	0	0	0	0
## 435	0	0	0	0	0	0	0
## 433	0	0	0	0	0	0	0
## 427	0	0	0	0	0	0	0
## 447	0	0	1	0	0	0	1
## 449	0	0	1	0	0	0	0
## 465	0	0	0	0	0	0	0
## 470	0	0	0	0	0	0	0
## 460	0	0	0	0	0	0	0
## 479	0	0	1	0	0	0	0
## 402.1	0	0	0	0	0	0	0
## 403	0	0	0	0	0	0	0
## 502	0	0	0	0	0	0	0
## 502.1	0	0	0	0	0	0	0
## 503	0	0	0	0	0	0	0
## 497	0	0	0	0	1	0	0
## 514	0	0	0	0	0	0	0
## 507	0	0	0	0	1	0	0
## 399.2	0	0	0	0	1	0	0
## 400.1	0	0	0	0	1	0	0
## 401	0	0	0	0	1	0	0
## 497.1	0	0	0	0	1	0	0
## 508	0	0	0	0	1	0	0
## 495	0	0	0	0	1	0	0
## 572	0	0	0	1	0	0	1
## 574	0	0	0	1	0	0	0
## 574.1	0	0	0	1	0	0	0
## 575	0	0	0	1	0	0	0
## 579	0	0	0	1	0	0	0
## 579.1	0	0	0	1	0	0	0
## 582	0	0	0	1	0	0	0
## 586	0	0	0	1	0	0	0
## 572.1	0	0	0	1	0	0	1
## 573	0	0	0	1	0	0	1
## 599	0	0	0	0	1	0	0
## 612	0	0	0	0	0	0	0
## 617	0	0	0	1	0	0	1
## 616	0	0	0	0	0	0	0
## 641	0	0	0	0	0	0	0
## 662	0	0	0	0	0	0	1
## 668	0	0	0	1	0	0	1
## 678	0	0	0	1	0	0	1
## 677	0	0	0	0	1	0	1
## 647	0	0	0	0	1	0	0
## 700	0	0	0	0	1	0	0
## 704	0	0	0	1	0	0	0
## 709	0	0	0	0	1	0	0
## 732	0	0	0	0	1	0	0
## 806	0	0	0	1	0	0	1
## 700.1	0	0	0	0	1	0	0

## 701	0	0	0	0	1	0	0
## 851	1	0	0	0	0	0	1
## 859	0	0	0	0	1	0	0
## 887	0	0	0	1	0	0	0
## 894	0	0	0	1	0	0	0
## 896	0	0	0	1	0	0	0
## 899	0	0	0	0	1	0	0
## 901	0	0	0	0	1	0	1
## 910	0	0	0	1	0	0	1
## 894.1	0	0	0	1	0	0	0
## 900	0	0	0	1	0	0	0
## 917	0	0	0	0	1	0	1
## 926	0	0	0	0	1	0	0
## 892	0	0	0	1	0	0	1
## 945	0	0	0	1	0	0	1
## 937	0	0	0	1	0	0	1
## 908	0	0	0	1	0	0	0
## 958	0	0	0	0	1	0	1
## 971	0	0	0	0	1	0	0
## 985	0	0	1	0	0	0	1
## 1019	0	0	0	0	0	0	0
## 1039	0	0	1	0	0	0	0
## 1017	0	0	0	0	0	0	0
## 1097	0	0	0	1	0	0	1
## 1135	0	0	0	1	0	0	1
## 1135.1	0	0	0	1	0	0	1
## 1136	0	0	0	1	0	0	1
## 1139	0	0	1	0	0	0	1
## 1139.1	0	0	1	0	0	0	1
## 1140	0	0	1	0	0	0	1
## 1145	0	0	0	1	0	0	1
## 1143	0	0	0	1	0	0	0
## 1145.1	0	0	0	1	0	0	1
## 1146	0	0	0	1	0	0	1
## 1138	0	0	0	1	0	0	1
## 1167	0	0	1	0	0	0	1
## 1173	0	0	1	0	0	0	1
## 1175	0	0	0	1	0	0	1
## 1178	0	0	0	1	0	0	1
## 1217	0	0	0	0	1	0	0
## 1211	0	0	0	0	1	0	0
## 1131	0	0	0	0	0	0	0
## 1250	0	0	0	0	1	0	0
## 1253	0	0	0	0	1	0	0
## 1268	0	0	0	0	0	0	0
## 1248	0	0	0	0	1	1	0
## 1249	0	0	0	0	1	0	0
## 1216	0	0	0	0	1	0	0
## 1216.1	0	0	0	0	1	0	0
## 1280	0	0	0	0	1	0	0
## 1266	0	0	0	0	0	0	0
## 1293	0	0	0	1	0	0	1
## 1295	0	0	1	0	0	0	1
## 1295.1	0	0	1	0	0	0	1

## 1296	0	0	1	0	0	0	1
## 1305	0	0	0	1	0	0	1
## 1308	0	0	0	0	0	0	1
## 1308.1	0	0	0	0	0	0	1
## 1309	0	0	0	0	0	0	1
## 1311	0	0	0	0	0	0	1
## 1315	0	0	1	0	0	0	0
## 1315.1	0	0	1	0	0	0	0
## 1316	0	0	1	0	0	0	0
## 1318	0	0	0	1	0	0	1
## 1320	0	0	0	1	0	0	1
## 1315.2	0	0	1	0	0	0	0
## 1316.1	0	0	1	0	0	0	0
## 1317	0	0	1	0	0	0	0
## 1327	0	0	1	0	0	0	1
## 1341	0	0	0	1	0	0	1
## 1345	0	0	0	1	0	0	1
## 1350	0	0	0	1	0	0	1
## 1408	0	0	0	0	0	0	0
## 1438	0	0	0	0	1	0	0
## 1443	0	0	0	0	1	0	0
## 1443.1	0	0	0	0	1	0	0
## 1444	0	0	0	0	1	0	0
## 1290	0	0	0	1	0	0	0
## 1465	0	0	0	1	0	0	0
## 1474	0	0	0	0	0	0	0
## 1474.1	0	0	0	0	0	0	0
## 1475	0	0	0	0	0	0	0
## 1485	1	0	0	0	0	0	0
## 1503	0	0	0	0	1	0	1
## 1506	0	0	0	0	1	0	0
## 1509	0	0	0	0	0	0	0
## 1533	0	0	0	1	0	0	1
## 1533.1	0	0	0	1	0	0	1
## 1534	0	0	0	1	0	0	1
## 1533.2	0	0	0	1	0	0	1
## 1534.1	0	0	0	1	0	0	1
## 1537	0	0	0	1	0	0	1
## 1533.3	0	0	0	1	0	0	1
## 1534.2	0	0	0	1	0	0	1
## 1537.1	0	0	0	1	0	0	1
## 1539	0	0	0	1	0	0	1
## 1545	0	0	0	1	0	0	1
## 1545.1	0	0	0	1	0	0	1
## 1546	0	0	0	1	0	0	1
## 1548	0	0	0	1	0	0	1
## 1552	0	0	0	1	0	0	1
## 1552.1	0	0	0	1	0	0	1
## 1557	0	0	0	1	0	0	1
## 1571	0	0	0	1	0	0	1
## 1580	0	0	0	0	0	0	1
## 1570	0	0	0	1	0	0	1
## 1584	0	0	0	0	0	0	1
## 1584.1	0	0	0	0	0	0	1

## 1606	0	0	0	0	0	0	1
## 1609	0	0	0	1	0	0	1
## 1612	0	0	1	0	0	0	1
## 1624	0	0	1	0	0	0	1
## 1629	0	0	0	0	0	0	1
## 1631	0	0	1	0	0	0	0
## 1642	0	0	0	0	1	0	0
## 1663	0	0	0	0	1	0	0
## 1702	0	0	0	0	0	0	0
## 1700	0	0	0	0	0	0	0
## 1719	0	0	0	0	1	0	1
## 1719.1	0	0	0	0	1	0	1
## 1720	0	0	0	0	1	0	1
## 1731	0	0	1	0	0	0	0
## 1742	0	0	0	1	0	0	0
## 1698	0	0	0	0	1	1	0
## 1749	0	0	0	0	1	0	0
## 1741	0	0	0	0	1	0	0
## 1768	0	0	0	0	0	0	0
## 1807	0	0	0	0	1	0	0
## 1771	0	0	0	0	1	0	0
## 1814	0	0	1	0	0	0	1
## 1830	0	0	0	0	0	0	1
## 1848	0	0	0	1	0	0	1
## 1853	0	0	1	0	0	0	1
## 1863	0	0	0	0	0	0	0
## 1862	0	0	0	0	0	0	1
## 1862.1	0	0	0	0	0	0	1
## 1867	0	0	0	0	0	0	1
## 1865	0	0	1	0	0	0	0
## 1862.2	0	0	0	0	0	0	1
## 1867.1	0	0	0	0	0	0	1
## 1868	0	0	0	0	0	0	1
## 1862.3	0	0	0	0	0	0	1
## 1867.2	0	0	0	0	0	0	1
## 1868.1	0	0	0	0	0	0	1
## 1872	0	0	0	0	0	0	1
## 1879	0	0	0	1	0	0	0
## 1911	0	0	0	0	1	0	0
## 1952	0	0	0	0	1	0	0
## 1954	0	0	0	0	1	0	0
## 1973	0	1	0	0	0	0	0
## 1989	0	0	1	0	0	0	0
## 1994	0	0	0	0	0	0	0
## 1996	0	0	0	0	0	0	0
## 1998	0	0	0	0	0	0	0
## 1998.1	0	0	0	0	0	0	0
## 1999	0	0	0	0	0	0	0
## 2001	0	0	0	0	0	0	0
## 2021	1	0	0	0	0	0	0
## 2015	1	0	0	0	0	0	0
## 2029	0	0	0	1	0	0	1
## 2034	0	0	0	1	0	0	1
## 2039	0	0	0	0	0	0	1



## 2045	0	0	0	0	0	0	1
## 2064	0	0	1	0	0	0	1
## 2062	0	0	1	0	0	0	0
## 2069	0	0	1	0	0	0	1
## 2064.1	0	0	1	0	0	0	1
## 2070	0	0	1	0	0	0	1
## 2101	0	0	0	0	1	0	0
## 2110	0	0	0	0	1	0	0
## 2113	0	0	0	0	1	0	0
## 2131	0	0	0	0	1	0	0
## 2131.1	0	0	0	0	1	0	0
## 2132	0	0	0	0	1	0	0
## 2135	0	0	0	1	0	0	0
## 2145	0	0	0	0	1	0	0
## 2153	0	0	0	0	1	1	0
## 2162	1	0	0	0	0	0	0
## 2162.1	1	0	0	0	0	0	0
## 2163	1	0	0	0	0	0	0
## 2168	0	0	0	0	0	0	0
## 2168.1	0	0	0	0	0	0	0
## 2169	0	0	0	0	0	0	0
## 2179	1	0	0	0	0	0	0
## 2178	0	0	0	0	0	0	0
## 2182	1	0	0	0	0	0	0
## 2162.2	1	0	0	0	0	0	0
## 2163.1	1	0	0	0	0	0	0
## 2164	1	0	0	0	0	0	0
## 2187	0	0	0	0	0	0	0
## 2162.3	1	0	0	0	0	0	0
## 2163.2	1	0	0	0	0	0	0
## 2164.1	1	0	0	0	0	0	0
## 2184	1	0	0	0	0	0	0
## 2174	0	0	0	0	0	0	0
## 2179.1	1	0	0	0	0	0	0
## 2180	1	0	0	0	0	0	0
## 2212	0	0	0	0	0	0	0
## 2229	1	0	0	0	0	0	0
## 2229.1	1	0	0	0	0	0	0
## 2230	1	0	0	0	0	0	0
## 2237	1	0	0	0	0	0	0
## 2247	0	0	0	1	0	0	1
## 2252	0	0	0	1	0	0	0
## 2275	0	0	1	0	0	0	1
## 2282	0	0	0	1	0	0	1
## 2273	0	0	0	1	0	0	1
## 2273.1	0	0	0	1	0	0	1
## 2285	0	0	0	1	0	0	1
## 2287	0	0	0	1	0	0	1
## 2292	0	0	0	1	0	0	1
## 2297	0	0	0	1	0	0	1
## 2300	0	0	0	1	0	0	0
## 2302	0	0	0	1	0	0	1
## 2308	0	0	0	1	0	0	1
## 2308.1	0	0	0	1	0	0	1

## 2309	0	0	0	1	0	0	1
## 2323	0	0	0	0	1	0	0
## 2339	0	0	0	0	1	0	0
## 2357	0	0	0	0	1	0	0
## 2360	0	0	0	1	0	0	0
## 2349	0	0	0	1	0	0	0
## 2367	0	0	0	0	1	0	1
## 2366	0	0	0	0	1	0	0
## 2380	0	0	0	0	1	0	0
## 2418	0	0	0	0	1	1	0
## 2433	0	0	0	0	1	1	0
## 2442	0	0	0	0	1	0	0
## 2450	0	0	0	0	1	0	0
## 2463	1	0	0	0	0	0	0
## 2480	0	0	0	0	0	0	0
## 2493	1	0	0	0	0	0	0
## 2504	0	0	0	0	0	0	0
## 2508	0	0	0	0	0	0	0
## 2512	0	0	0	0	0	0	0
## 2525	0	0	0	1	0	0	1
## 2533	0	0	0	1	0	0	0
## 2541	0	0	0	1	0	0	0
## 2548	0	0	0	1	0	0	0
## 2556	0	0	0	1	0	0	0
## 2568	0	0	0	1	0	0	0
## 2574	0	0	0	0	1	0	0
## 2573	0	0	0	0	1	0	0
## 2574.1	0	0	0	0	1	0	0
## 2575	0	0	0	0	1	0	0
## 2585	0	0	0	0	1	0	0
## 2574.2	0	0	0	0	1	0	0
## 2575.1	0	0	0	0	1	0	0
## 2579	0	0	0	0	1	0	0
## 2574.3	0	0	0	0	1	0	0
## 2575.2	0	0	0	0	1	0	0
## 2579.1	0	0	0	0	1	0	0
## 2591	0	0	0	0	1	0	0
## 2574.4	0	0	0	0	1	0	0
##	Suelosvs3	Suelosvs4	Suelosvs5	Suelosvs6	Suelosvs7	Suelosvs8	
## 3	0	0	0	1	0	0	
## 3.1	0	0	0	1	0	0	
## 4	0	0	0	1	0	0	
## 2	0	0	0	0	0	0	
## 11	0	1	0	0	0	0	
## 11.1	0	1	0	0	0	0	
## 12	0	1	0	0	0	0	
## 11.2	0	1	0	0	0	0	
## 12.1	0	1	0	0	0	0	
## 13	0	1	0	0	0	0	
## 11.3	0	1	0	0	0	0	
## 12.2	0	1	0	0	0	0	
## 13.1	0	1	0	0	0	0	
## 14	0	1	0	0	0	0	
## 11.4	0	1	0	0	0	0	

## 12.3	0	1	0	0	0	0
## 13.2	0	1	0	0	0	0
## 14.1	0	1	0	0	0	0
## 15	0	1	0	0	0	0
## 17	0	0	0	0	1	0
## 11.5	0	1	0	0	0	0
## 12.4	0	1	0	0	0	0
## 13.3	0	1	0	0	0	0
## 14.2	0	1	0	0	0	0
## 15.1	0	1	0	0	0	0
## 16	0	1	0	0	0	0
## 17.1	0	0	0	0	1	0
## 18	0	0	0	0	1	0
## 17.2	0	0	0	0	1	0
## 18.1	0	0	0	0	1	0
## 21	0	0	0	0	1	0
## 17.3	0	0	0	0	1	0
## 18.2	0	0	0	0	1	0
## 21.1	0	0	0	0	1	0
## 22	0	0	0	0	1	0
## 17.4	0	0	0	0	1	0
## 18.3	0	0	0	0	1	0
## 21.2	0	0	0	0	1	0
## 22.1	0	0	0	0	1	0
## 23	0	0	0	0	1	0
## 17.5	0	0	0	0	1	0
## 18.4	0	0	0	0	1	0
## 21.3	0	0	0	0	1	0
## 22.2	0	0	0	0	1	0
## 23.1	0	0	0	0	1	0
## 24	0	0	0	0	1	0
## 17.6	0	0	0	0	1	0
## 18.5	0	0	0	0	1	0
## 21.4	0	0	0	0	1	0
## 22.3	0	0	0	0	1	0
## 23.2	0	0	0	0	1	0
## 24.1	0	0	0	0	1	0
## 25	0	0	0	0	1	0
## 17.7	0	0	0	0	1	0
## 18.6	0	0	0	0	1	0
## 21.5	0	0	0	0	1	0
## 22.4	0	0	0	0	1	0
## 23.3	0	0	0	0	1	0
## 24.2	0	0	0	0	1	0
## 25.1	0	0	0	0	1	0
## 26	0	0	0	0	1	0
## 17.8	0	0	0	0	1	0
## 18.7	0	0	0	0	1	0
## 21.6	0	0	0	0	1	0
## 22.5	0	0	0	0	1	0
## 23.4	0	0	0	0	1	0
## 24.3	0	0	0	0	1	0
## 25.2	0	0	0	0	1	0
## 26.1	0	0	0	0	1	0

## 27	0	0	0	0	1	0
## 17.9	0	0	0	0	1	0
## 18.8	0	0	0	0	1	0
## 21.7	0	0	0	0	1	0
## 22.6	0	0	0	0	1	0
## 23.5	0	0	0	0	1	0
## 24.4	0	0	0	0	1	0
## 25.3	0	0	0	0	1	0
## 26.2	0	0	0	0	1	0
## 27.1	0	0	0	0	1	0
## 28	0	0	0	0	1	0
## 17.10	0	0	0	0	1	0
## 18.9	0	0	0	0	1	0
## 21.8	0	0	0	0	1	0
## 22.7	0	0	0	0	1	0
## 23.6	0	0	0	0	1	0
## 24.5	0	0	0	0	1	0
## 25.4	0	0	0	0	1	0
## 26.3	0	0	0	0	1	0
## 27.2	0	0	0	0	1	0
## 28.1	0	0	0	0	1	0
## 29	0	0	0	0	1	0
## 17.11	0	0	0	0	1	0
## 18.10	0	0	0	0	1	0
## 21.9	0	0	0	0	1	0
## 22.8	0	0	0	0	1	0
## 23.7	0	0	0	0	1	0
## 24.6	0	0	0	0	1	0
## 25.5	0	0	0	0	1	0
## 26.4	0	0	0	0	1	0
## 27.3	0	0	0	0	1	0
## 28.2	0	0	0	0	1	0
## 29.1	0	0	0	0	1	0
## 30	0	0	0	0	1	0
## 17.12	0	0	0	0	1	0
## 18.11	0	0	0	0	1	0
## 21.10	0	0	0	0	1	0
## 22.9	0	0	0	0	1	0
## 23.8	0	0	0	0	1	0
## 24.7	0	0	0	0	1	0
## 25.6	0	0	0	0	1	0
## 26.5	0	0	0	0	1	0
## 27.4	0	0	0	0	1	0
## 28.3	0	0	0	0	1	0
## 29.2	0	0	0	0	1	0
## 30.1	0	0	0	0	1	0
## 31	0	0	0	0	1	0
## 17.13	0	0	0	0	1	0
## 18.12	0	0	0	0	1	0
## 21.11	0	0	0	0	1	0
## 22.10	0	0	0	0	1	0
## 23.9	0	0	0	0	1	0
## 24.8	0	0	0	0	1	0
## 25.7	0	0	0	0	1	0

## 26.6	0	0	0	0	1	0
## 27.5	0	0	0	0	1	0
## 28.4	0	0	0	0	1	0
## 29.3	0	0	0	0	1	0
## 30.2	0	0	0	0	1	0
## 31.1	0	0	0	0	1	0
## 32	0	0	0	0	1	0
## 17.14	0	0	0	0	1	0
## 18.13	0	0	0	0	1	0
## 21.12	0	0	0	0	1	0
## 22.11	0	0	0	0	1	0
## 23.10	0	0	0	0	1	0
## 24.9	0	0	0	0	1	0
## 25.8	0	0	0	0	1	0
## 26.7	0	0	0	0	1	0
## 27.6	0	0	0	0	1	0
## 28.5	0	0	0	0	1	0
## 29.4	0	0	0	0	1	0
## 30.3	0	0	0	0	1	0
## 31.2	0	0	0	0	1	0
## 32.1	0	0	0	0	1	0
## 33	0	0	0	0	1	0
## 17.15	0	0	0	0	1	0
## 18.14	0	0	0	0	1	0
## 21.13	0	0	0	0	1	0
## 22.12	0	0	0	0	1	0
## 23.11	0	0	0	0	1	0
## 24.10	0	0	0	0	1	0
## 25.9	0	0	0	0	1	0
## 26.8	0	0	0	0	1	0
## 27.7	0	0	0	0	1	0
## 28.6	0	0	0	0	1	0
## 29.5	0	0	0	0	1	0
## 30.4	0	0	0	0	1	0
## 31.3	0	0	0	0	1	0
## 32.2	0	0	0	0	1	0
## 33.1	0	0	0	0	1	0
## 34	0	0	0	0	1	0
## 17.16	0	0	0	0	1	0
## 18.15	0	0	0	0	1	0
## 21.14	0	0	0	0	1	0
## 22.13	0	0	0	0	1	0
## 23.12	0	0	0	0	1	0
## 24.11	0	0	0	0	1	0
## 25.10	0	0	0	0	1	0
## 26.9	0	0	0	0	1	0
## 27.8	0	0	0	0	1	0
## 28.7	0	0	0	0	1	0
## 29.6	0	0	0	0	1	0
## 30.5	0	0	0	0	1	0
## 31.4	0	0	0	0	1	0
## 32.3	0	0	0	0	1	0
## 33.2	0	0	0	0	1	0
## 34.1	0	0	0	0	1	0

## 35	0	0	0	0	1	0
## 17.17	0	0	0	0	1	0
## 18.16	0	0	0	0	1	0
## 21.15	0	0	0	0	1	0
## 22.14	0	0	0	0	1	0
## 23.13	0	0	0	0	1	0
## 24.12	0	0	0	0	1	0
## 25.11	0	0	0	0	1	0
## 26.10	0	0	0	0	1	0
## 27.9	0	0	0	0	1	0
## 28.8	0	0	0	0	1	0
## 29.7	0	0	0	0	1	0
## 30.6	0	0	0	0	1	0
## 31.5	0	0	0	0	1	0
## 32.4	0	0	0	0	1	0
## 33.3	0	0	0	0	1	0
## 34.2	0	0	0	0	1	0
## 35.1	0	0	0	0	1	0
## 36	0	0	0	0	1	0
## 17.18	0	0	0	0	1	0
## 18.17	0	0	0	0	1	0
## 21.16	0	0	0	0	1	0
## 22.15	0	0	0	0	1	0
## 23.14	0	0	0	0	1	0
## 24.13	0	0	0	0	1	0
## 25.12	0	0	0	0	1	0
## 26.11	0	0	0	0	1	0
## 27.10	0	0	0	0	1	0
## 28.9	0	0	0	0	1	0
## 29.8	0	0	0	0	1	0
## 30.7	0	0	0	0	1	0
## 31.6	0	0	0	0	1	0
## 32.5	0	0	0	0	1	0
## 33.4	0	0	0	0	1	0
## 34.3	0	0	0	0	1	0
## 35.2	0	0	0	0	1	0
## 36.1	0	0	0	0	1	0
## 37	0	0	0	0	1	0
## 17.19	0	0	0	0	1	0
## 18.18	0	0	0	0	1	0
## 21.17	0	0	0	0	1	0
## 22.16	0	0	0	0	1	0
## 23.15	0	0	0	0	1	0
## 24.14	0	0	0	0	1	0
## 25.13	0	0	0	0	1	0
## 26.12	0	0	0	0	1	0
## 27.11	0	0	0	0	1	0
## 28.10	0	0	0	0	1	0
## 29.9	0	0	0	0	1	0
## 30.8	0	0	0	0	1	0
## 31.7	0	0	0	0	1	0
## 32.6	0	0	0	0	1	0
## 33.5	0	0	0	0	1	0
## 34.4	0	0	0	0	1	0

## 35.3	0	0	0	0	1	0
## 36.2	0	0	0	0	1	0
## 37.1	0	0	0	0	1	0
## 38	0	0	0	0	1	0
## 17.20	0	0	0	0	1	0
## 18.19	0	0	0	0	1	0
## 21.18	0	0	0	0	1	0
## 22.17	0	0	0	0	1	0
## 23.16	0	0	0	0	1	0
## 24.15	0	0	0	0	1	0
## 25.14	0	0	0	0	1	0
## 26.13	0	0	0	0	1	0
## 27.12	0	0	0	0	1	0
## 28.11	0	0	0	0	1	0
## 29.10	0	0	0	0	1	0
## 30.9	0	0	0	0	1	0
## 31.8	0	0	0	0	1	0
## 32.7	0	0	0	0	1	0
## 33.6	0	0	0	0	1	0
## 34.5	0	0	0	0	1	0
## 35.4	0	0	0	0	1	0
## 36.3	0	0	0	0	1	0
## 37.2	0	0	0	0	1	0
## 38.1	0	0	0	0	1	0
## 39	0	0	0	0	1	0
## 17.21	0	0	0	0	1	0
## 18.20	0	0	0	0	1	0
## 21.19	0	0	0	0	1	0
## 22.18	0	0	0	0	1	0
## 23.17	0	0	0	0	1	0
## 24.16	0	0	0	0	1	0
## 25.15	0	0	0	0	1	0
## 26.14	0	0	0	0	1	0
## 27.13	0	0	0	0	1	0
## 28.12	0	0	0	0	1	0
## 29.11	0	0	0	0	1	0
## 30.10	0	0	0	0	1	0
## 31.9	0	0	0	0	1	0
## 32.8	0	0	0	0	1	0
## 33.7	0	0	0	0	1	0
## 34.6	0	0	0	0	1	0
## 35.5	0	0	0	0	1	0
## 36.4	0	0	0	0	1	0
## 37.3	0	0	0	0	1	0
## 38.2	0	0	0	0	1	0
## 39.1	0	0	0	0	1	0
## 41	0	0	0	0	1	0
## 10	0	0	0	0	0	0
## 50	0	0	0	1	0	0
## 51	0	0	0	1	0	0
## 58	0	0	0	0	0	0
## 44	0	0	0	1	0	0
## 49	0	1	0	0	0	0
## 9	0	0	0	1	0	0

## 58.1	0	0	0	0	0	0
## 59	0	0	0	0	0	0
## 74	0	0	0	1	0	0
## 76	0	0	0	1	0	0
## 88	0	0	0	1	0	0
## 83	0	0	0	1	0	0
## 89	0	0	0	1	0	0
## 79	0	0	0	1	0	0
## 76.1	0	0	0	1	0	0
## 77	0	0	0	1	0	0
## 73	0	0	0	1	0	0
## 72	0	0	0	1	0	0
## 71	0	0	0	1	0	0
## 96	0	0	0	0	0	1
## 74.1	0	0	0	1	0	0
## 75	0	0	0	1	0	0
## 104	0	0	0	0	1	0
## 119	0	0	0	0	1	0
## 129	0	0	0	0	0	0
## 128	0	0	0	0	0	0
## 122	0	0	0	0	0	0
## 142	0	0	0	1	0	0
## 150	0	0	0	1	0	0
## 121	0	1	0	0	0	0
## 167	0	1	0	0	0	0
## 121.1	0	1	0	0	0	0
## 154	0	1	0	0	0	0
## 142.1	0	0	0	1	0	0
## 146	0	0	0	1	0	0
## 119.1	0	0	0	0	1	0
## 120	0	0	0	0	1	0
## 177	0	1	0	0	0	0
## 174	0	0	0	0	1	0
## 175	0	0	0	1	0	0
## 176	0	0	0	1	0	0
## 135	0	0	0	0	0	0
## 169	0	0	0	0	0	0
## 196	0	0	0	1	0	0
## 196.1	0	0	0	1	0	0
## 197	0	0	0	1	0	0
## 196.2	0	0	0	1	0	0
## 197.1	0	0	0	1	0	0
## 198	0	0	0	1	0	0
## 196.3	0	0	0	1	0	0
## 197.2	0	0	0	1	0	0
## 198.1	0	0	0	1	0	0
## 199	0	0	0	1	0	0
## 196.4	0	0	0	1	0	0
## 197.3	0	0	0	1	0	0
## 198.2	0	0	0	1	0	0
## 199.1	0	0	0	1	0	0
## 200	0	0	0	1	0	0
## 195	0	0	0	0	1	0
## 206	0	0	0	0	0	0



## 208	0	0	0	0	0	0
## 213	0	0	0	1	0	0
## 213.1	0	0	0	1	0	0
## 214	0	0	0	1	0	0
## 213.2	0	0	0	1	0	0
## 214.1	0	0	0	1	0	0
## 215	0	0	0	1	0	0
## 217	0	0	0	0	0	0
## 217.1	0	0	0	0	0	0
## 218	0	0	0	0	0	0
## 231	0	0	0	0	1	0
## 242	0	0	0	0	0	0
## 250	0	0	0	0	0	0
## 223	0	0	0	0	0	0
## 238	0	0	0	0	0	0
## 246	0	0	0	0	1	0
## 246.1	0	0	0	0	1	0
## 260	0	0	0	0	1	0
## 282	0	0	0	0	0	0
## 284	0	0	0	1	0	0
## 196.5	0	0	0	1	0	0
## 197.4	0	0	0	1	0	0
## 198.3	0	0	0	1	0	0
## 199.2	0	0	0	1	0	0
## 200.1	0	0	0	1	0	0
## 201	0	0	0	1	0	0
## 195.1	0	0	0	0	1	0
## 202	0	0	0	0	1	0
## 238.1	0	0	0	0	0	0
## 254	0	0	0	0	0	0
## 296	0	0	0	1	0	0
## 237	0	0	0	1	0	0
## 296.1	0	0	0	1	0	0
## 297	0	0	0	1	0	0
## 275	0	0	0	0	0	0
## 296.2	0	0	0	1	0	0
## 297.1	0	0	0	1	0	0
## 299	0	0	0	1	0	0
## 237.1	0	0	0	1	0	0
## 298	0	0	0	1	0	0
## 292	0	0	0	1	0	0
## 195.2	0	0	0	0	1	0
## 202.1	0	0	0	0	1	0
## 293	0	0	0	0	1	0
## 317	0	0	0	1	0	0
## 316	0	1	0	0	0	0
## 322	0	0	0	0	0	1
## 324	0	0	0	0	0	0
## 329	0	0	0	0	1	0
## 337	0	0	0	0	0	0
## 355	0	0	0	0	1	0
## 322.1	0	0	0	0	0	1
## 323	0	0	0	0	0	1
## 320	0	0	0	1	0	0

## 317.1	0	0	0	1	0	0
## 318	0	0	0	1	0	0
## 319	0	0	0	1	0	0
## 317.2	0	0	0	1	0	0
## 318.1	0	0	0	1	0	0
## 375	0	0	0	1	0	0
## 393	0	0	0	0	1	0
## 316.1	0	1	0	0	0	0
## 321	0	1	0	0	0	0
## 381	0	0	0	1	0	0
## 399	0	0	0	0	1	0
## 399.1	0	0	0	0	1	0
## 400	0	0	0	0	1	0
## 402	0	0	0	0	1	0
## 408	0	0	0	0	1	0
## 408.1	0	0	0	0	1	0
## 409	0	0	0	0	1	0
## 417	0	0	0	0	1	0
## 411	0	0	0	1	0	0
## 408.2	0	0	0	0	1	0
## 409.1	0	0	0	0	1	0
## 410	0	0	0	0	1	0
## 431	0	0	0	0	1	0
## 435	0	0	0	0	1	0
## 433	0	0	0	0	1	0
## 427	0	0	0	0	1	0
## 447	0	0	0	0	0	0
## 449	0	0	0	1	0	0
## 465	0	1	0	0	0	0
## 470	0	0	0	0	1	0
## 460	0	0	0	0	1	0
## 479	0	0	0	1	0	0
## 402.1	0	0	0	0	1	0
## 403	0	0	0	0	1	0
## 502	0	1	0	0	0	0
## 502.1	0	1	0	0	0	0
## 503	0	1	0	0	0	0
## 497	0	0	0	1	0	0
## 514	0	0	0	0	1	0
## 507	0	0	0	1	0	0
## 399.2	0	0	0	0	1	0
## 400.1	0	0	0	0	1	0
## 401	0	0	0	0	1	0
## 497.1	0	0	0	1	0	0
## 508	0	0	0	1	0	0
## 495	0	0	0	0	0	1
## 572	0	0	0	0	0	0
## 574	0	0	0	1	0	0
## 574.1	0	0	0	1	0	0
## 575	0	0	0	1	0	0
## 579	0	0	0	1	0	0
## 579.1	0	0	0	1	0	0
## 582	0	0	0	1	0	0
## 586	0	0	0	1	0	0

## 572.1	0	0	0	0	0	0
## 573	0	0	0	0	0	0
## 599	0	0	0	0	0	0
## 612	0	0	0	0	1	0
## 617	0	0	0	0	0	0
## 616	0	1	0	0	0	0
## 641	0	0	0	0	1	0
## 662	0	0	0	0	0	0
## 668	0	0	0	0	0	0
## 678	0	0	0	0	0	0
## 677	0	0	0	0	0	0
## 647	0	0	0	1	0	0
## 700	0	0	0	0	1	0
## 704	0	1	0	0	0	0
## 709	0	0	0	0	0	0
## 732	0	0	0	1	0	0
## 806	0	0	0	0	0	0
## 700.1	0	0	0	0	1	0
## 701	0	0	0	0	1	0
## 851	0	0	0	0	0	0
## 859	0	0	0	0	0	1
## 887	0	0	0	1	0	0
## 894	0	0	0	1	0	0
## 896	0	0	0	1	0	0
## 899	0	0	0	1	0	0
## 901	0	0	0	0	0	0
## 910	0	0	0	0	0	0
## 894.1	0	0	0	1	0	0
## 900	0	0	0	1	0	0
## 917	0	0	0	0	0	0
## 926	0	0	0	0	0	0
## 892	0	0	0	0	0	0
## 945	0	0	0	0	0	0
## 937	0	0	0	0	0	0
## 908	0	0	0	1	0	0
## 958	0	0	0	0	0	0
## 971	0	0	0	0	0	0
## 985	0	0	0	0	0	0
## 1019	0	0	0	1	0	0
## 1039	0	1	0	0	0	0
## 1017	0	0	0	1	0	0
## 1097	0	0	0	0	0	0
## 1135	0	0	0	0	0	0
## 1135.1	0	0	0	0	0	0
## 1136	0	0	0	0	0	0
## 1139	0	0	0	0	0	0
## 1139.1	0	0	0	0	0	0
## 1140	0	0	0	0	0	0
## 1145	0	0	0	0	0	0
## 1143	0	0	0	0	0	1
## 1145.1	0	0	0	0	0	0
## 1146	0	0	0	0	0	0
## 1138	0	0	0	0	0	0
## 1167	0	0	0	0	0	0

## 1173	0	0	0	0	0	0
## 1175	0	0	0	0	0	0
## 1178	0	0	0	0	0	0
## 1217	0	0	0	1	0	0
## 1211	0	0	0	0	1	0
## 1131	0	0	0	0	0	1
## 1250	0	0	0	1	0	0
## 1253	0	0	0	1	0	0
## 1268	0	1	0	0	0	0
## 1248	0	0	0	0	0	0
## 1249	0	0	0	1	0	0
## 1216	0	0	0	1	0	0
## 1216.1	0	0	0	1	0	0
## 1280	0	0	0	1	0	0
## 1266	0	0	0	0	1	0
## 1293	0	0	0	0	0	0
## 1295	0	0	0	0	0	0
## 1295.1	0	0	0	0	0	0
## 1296	0	0	0	0	0	0
## 1305	0	0	0	0	0	0
## 1308	0	0	0	0	0	0
## 1308.1	0	0	0	0	0	0
## 1309	0	0	0	0	0	0
## 1311	0	0	0	0	0	0
## 1315	0	0	0	1	0	0
## 1315.1	0	0	0	1	0	0
## 1316	0	0	0	1	0	0
## 1318	0	0	0	0	0	0
## 1320	0	0	0	0	0	0
## 1315.2	0	0	0	1	0	0
## 1316.1	0	0	0	1	0	0
## 1317	0	0	0	1	0	0
## 1327	0	0	0	0	0	0
## 1341	0	0	0	0	0	0
## 1345	0	0	0	0	0	0
## 1350	0	0	0	0	0	0
## 1408	0	0	0	0	1	0
## 1438	0	0	0	1	0	0
## 1443	0	0	0	1	0	0
## 1443.1	0	0	0	1	0	0
## 1444	0	0	0	1	0	0
## 1290	0	0	0	1	0	0
## 1465	0	0	0	0	1	0
## 1474	0	0	0	0	0	1
## 1474.1	0	0	0	0	0	1
## 1475	0	0	0	0	0	1
## 1485	0	0	0	0	1	0
## 1503	0	0	0	0	0	0
## 1506	0	0	0	1	0	0
## 1509	0	0	0	0	0	1
## 1533	0	0	0	0	0	0
## 1533.1	0	0	0	0	0	0
## 1534	0	0	0	0	0	0
## 1533.2	0	0	0	0	0	0

## 1534.1	0	0	0	0	0	0
## 1537	0	0	0	0	0	0
## 1533.3	0	0	0	0	0	0
## 1534.2	0	0	0	0	0	0
## 1537.1	0	0	0	0	0	0
## 1539	0	0	0	0	0	0
## 1545	0	0	0	0	0	0
## 1545.1	0	0	0	0	0	0
## 1546	0	0	0	0	0	0
## 1548	0	0	0	0	0	0
## 1552	0	0	0	0	0	0
## 1552.1	0	0	0	0	0	0
## 1557	0	0	0	0	0	0
## 1571	0	0	0	0	0	0
## 1580	0	0	0	0	0	0
## 1570	0	0	0	0	0	0
## 1584	0	0	0	0	0	0
## 1584.1	0	0	0	0	0	0
## 1606	0	0	0	0	0	0
## 1609	0	0	0	0	0	0
## 1612	0	0	0	0	0	0
## 1624	0	0	0	0	0	0
## 1629	0	0	0	0	0	0
## 1631	0	0	0	0	0	1
## 1642	0	0	0	0	0	1
## 1663	0	0	0	1	0	0
## 1702	0	0	0	0	1	0
## 1700	0	0	0	0	0	1
## 1719	0	0	0	0	0	0
## 1719.1	0	0	0	0	0	0
## 1720	0	0	0	0	0	0
## 1731	0	1	0	0	0	0
## 1742	0	0	0	0	1	0
## 1698	0	0	0	0	0	0
## 1749	0	0	0	1	0	0
## 1741	0	0	0	1	0	0
## 1768	0	0	0	0	0	1
## 1807	0	0	0	1	0	0
## 1771	0	0	0	0	1	0
## 1814	0	0	0	0	0	0
## 1830	0	0	0	0	0	0
## 1848	0	0	0	0	0	0
## 1853	0	0	0	0	0	0
## 1863	0	1	0	0	0	0
## 1862	0	0	0	0	0	0
## 1862.1	0	0	0	0	0	0
## 1867	0	0	0	0	0	0
## 1865	0	0	0	1	0	0
## 1862.2	0	0	0	0	0	0
## 1867.1	0	0	0	0	0	0
## 1868	0	0	0	0	0	0
## 1862.3	0	0	0	0	0	0
## 1867.2	0	0	0	0	0	0
## 1868.1	0	0	0	0	0	0

## 1872	0	0	0	0	0	0
## 1879	0	0	0	1	0	0
## 1911	0	0	0	1	0	0
## 1952	0	0	0	1	0	0
## 1954	0	0	0	0	1	0
## 1973	0	0	0	0	1	0
## 1989	0	0	0	1	0	0
## 1994	0	0	0	1	0	0
## 1996	0	0	0	1	0	0
## 1998	0	0	0	0	0	1
## 1998.1	0	0	0	0	0	1
## 1999	0	0	0	0	0	1
## 2001	0	0	0	1	0	0
## 2021	0	0	0	0	0	1
## 2015	0	0	0	1	0	0
## 2029	0	0	0	0	0	0
## 2034	0	0	0	0	0	0
## 2039	0	0	0	0	0	0
## 2045	0	0	0	0	0	0
## 2064	0	0	0	0	0	0
## 2062	0	1	0	0	0	0
## 2069	0	0	0	0	0	0
## 2064.1	0	0	0	0	0	0
## 2070	0	0	0	0	0	0
## 2101	0	0	0	0	0	1
## 2110	0	0	0	1	0	0
## 2113	0	0	0	0	1	0
## 2131	0	0	0	1	0	0
## 2131.1	0	0	0	1	0	0
## 2132	0	0	0	1	0	0
## 2135	0	0	0	0	0	1
## 2145	0	0	0	1	0	0
## 2153	0	0	0	0	0	0
## 2162	0	0	0	1	0	0
## 2162.1	0	0	0	1	0	0
## 2163	0	0	0	1	0	0
## 2168	0	0	0	0	0	1
## 2168.1	0	0	0	0	0	1
## 2169	0	0	0	0	0	1
## 2179	0	0	0	1	0	0
## 2178	0	0	0	1	0	0
## 2182	0	0	0	1	0	0
## 2162.2	0	0	0	1	0	0
## 2163.1	0	0	0	1	0	0
## 2164	0	0	0	1	0	0
## 2187	0	0	0	1	0	0
## 2162.3	0	0	0	1	0	0
## 2163.2	0	0	0	1	0	0
## 2164.1	0	0	0	1	0	0
## 2184	0	0	0	1	0	0
## 2174	0	0	0	1	0	0
## 2179.1	0	0	0	1	0	0
## 2180	0	0	0	1	0	0
## 2212	0	1	0	0	0	0

## 2229	0	0	0	0	1	0
## 2229.1	0	0	0	0	1	0
## 2230	0	0	0	0	1	0
## 2237	0	1	0	0	0	0
## 2247	0	0	0	0	0	0
## 2252	0	0	0	1	0	0
## 2275	0	0	0	0	0	0
## 2282	0	0	0	0	0	0
## 2273	0	0	0	0	0	0
## 2273.1	0	0	0	0	0	0
## 2285	0	0	0	0	0	0
## 2287	0	0	0	0	0	0
## 2292	0	0	0	0	0	0
## 2297	0	0	0	0	0	0
## 2300	0	1	0	0	0	0
## 2302	0	0	0	0	0	0
## 2308	0	0	0	0	0	0
## 2308.1	0	0	0	0	0	0
## 2309	0	0	0	0	0	0
## 2323	0	0	0	1	0	0
## 2339	0	0	0	1	0	0
## 2357	0	0	0	0	0	0
## 2360	0	0	0	1	0	0
## 2349	0	1	0	0	0	0
## 2367	0	0	0	0	0	0
## 2366	0	0	0	1	0	0
## 2380	0	0	0	1	0	0
## 2418	0	0	0	0	0	0
## 2433	0	0	0	0	0	0
## 2442	0	0	0	1	0	0
## 2450	0	0	0	0	0	1
## 2463	0	0	0	0	1	0
## 2480	0	1	0	0	0	0
## 2493	0	1	0	0	0	0
## 2504	0	0	0	0	1	0
## 2508	0	1	0	0	0	0
## 2512	0	0	0	0	1	0
## 2525	0	0	0	0	0	0
## 2533	0	0	0	1	0	0
## 2541	0	0	0	1	0	0
## 2548	0	0	0	1	0	0
## 2556	0	0	0	0	0	1
## 2568	0	0	0	1	0	0
## 2574	0	0	0	1	0	0
## 2573	0	0	0	1	0	0
## 2574.1	0	0	0	1	0	0
## 2575	0	0	0	1	0	0
## 2585	0	0	0	1	0	0
## 2574.2	0	0	0	1	0	0
## 2575.1	0	0	0	1	0	0
## 2579	0	0	0	1	0	0
## 2574.3	0	0	0	1	0	0
## 2575.2	0	0	0	1	0	0
## 2579.1	0	0	0	1	0	0

## 2591	0	0	0	1	0	0
## 2574.4	0	0	0	1	0	0
##	Suelosvs9	Suelosvs10	Suelosvs11			
## 3	0	0	0			
## 3.1	0	0	0			
## 4	0	0	0			
## 2	0	0	0			
## 11	0	0	0			
## 11.1	0	0	0			
## 12	0	0	0			
## 11.2	0	0	0			
## 12.1	0	0	0			
## 13	0	0	0			
## 11.3	0	0	0			
## 12.2	0	0	0			
## 13.1	0	0	0			
## 14	0	0	0			
## 11.4	0	0	0			
## 12.3	0	0	0			
## 13.2	0	0	0			
## 14.1	0	0	0			
## 15	0	0	0			
## 17	0	0	0			
## 11.5	0	0	0			
## 12.4	0	0	0			
## 13.3	0	0	0			
## 14.2	0	0	0			
## 15.1	0	0	0			
## 16	0	0	0			
## 17.1	0	0	0			
## 18	0	0	0			
## 17.2	0	0	0			
## 18.1	0	0	0			
## 21	0	0	0			
## 17.3	0	0	0			
## 18.2	0	0	0			
## 21.1	0	0	0			
## 22	0	0	0			
## 17.4	0	0	0			
## 18.3	0	0	0			
## 21.2	0	0	0			
## 22.1	0	0	0			
## 23	0	0	0			
## 17.5	0	0	0			
## 18.4	0	0	0			
## 21.3	0	0	0			
## 22.2	0	0	0			
## 23.1	0	0	0			
## 24	0	0	0			
## 17.6	0	0	0			
## 18.5	0	0	0			
## 21.4	0	0	0			
## 22.3	0	0	0			
## 23.2	0	0	0			



## 24.1	0	0	0
## 25	0	0	0
## 17.7	0	0	0
## 18.6	0	0	0
## 21.5	0	0	0
## 22.4	0	0	0
## 23.3	0	0	0
## 24.2	0	0	0
## 25.1	0	0	0
## 26	0	0	0
## 17.8	0	0	0
## 18.7	0	0	0
## 21.6	0	0	0
## 22.5	0	0	0
## 23.4	0	0	0
## 24.3	0	0	0
## 25.2	0	0	0
## 26.1	0	0	0
## 27	0	0	0
## 17.9	0	0	0
## 18.8	0	0	0
## 21.7	0	0	0
## 22.6	0	0	0
## 23.5	0	0	0
## 24.4	0	0	0
## 25.3	0	0	0
## 26.2	0	0	0
## 27.1	0	0	0
## 28	0	0	0
## 17.10	0	0	0
## 18.9	0	0	0
## 21.8	0	0	0
## 22.7	0	0	0
## 23.6	0	0	0
## 24.5	0	0	0
## 25.4	0	0	0
## 26.3	0	0	0
## 27.2	0	0	0
## 28.1	0	0	0
## 29	0	0	0
## 17.11	0	0	0
## 18.10	0	0	0
## 21.9	0	0	0
## 22.8	0	0	0
## 23.7	0	0	0
## 24.6	0	0	0
## 25.5	0	0	0
## 26.4	0	0	0
## 27.3	0	0	0
## 28.2	0	0	0
## 29.1	0	0	0
## 30	0	0	0
## 17.12	0	0	0
## 18.11	0	0	0

## 21.10	0	0	0
## 22.9	0	0	0
## 23.8	0	0	0
## 24.7	0	0	0
## 25.6	0	0	0
## 26.5	0	0	0
## 27.4	0	0	0
## 28.3	0	0	0
## 29.2	0	0	0
## 30.1	0	0	0
## 31	0	0	0
## 17.13	0	0	0
## 18.12	0	0	0
## 21.11	0	0	0
## 22.10	0	0	0
## 23.9	0	0	0
## 24.8	0	0	0
## 25.7	0	0	0
## 26.6	0	0	0
## 27.5	0	0	0
## 28.4	0	0	0
## 29.3	0	0	0
## 30.2	0	0	0
## 31.1	0	0	0
## 32	0	0	0
## 17.14	0	0	0
## 18.13	0	0	0
## 21.12	0	0	0
## 22.11	0	0	0
## 23.10	0	0	0
## 24.9	0	0	0
## 25.8	0	0	0
## 26.7	0	0	0
## 27.6	0	0	0
## 28.5	0	0	0
## 29.4	0	0	0
## 30.3	0	0	0
## 31.2	0	0	0
## 32.1	0	0	0
## 33	0	0	0
## 17.15	0	0	0
## 18.14	0	0	0
## 21.13	0	0	0
## 22.12	0	0	0
## 23.11	0	0	0
## 24.10	0	0	0
## 25.9	0	0	0
## 26.8	0	0	0
## 27.7	0	0	0
## 28.6	0	0	0
## 29.5	0	0	0
## 30.4	0	0	0
## 31.3	0	0	0
## 32.2	0	0	0

## 33.1	0	0	0
## 34	0	0	0
## 17.16	0	0	0
## 18.15	0	0	0
## 21.14	0	0	0
## 22.13	0	0	0
## 23.12	0	0	0
## 24.11	0	0	0
## 25.10	0	0	0
## 26.9	0	0	0
## 27.8	0	0	0
## 28.7	0	0	0
## 29.6	0	0	0
## 30.5	0	0	0
## 31.4	0	0	0
## 32.3	0	0	0
## 33.2	0	0	0
## 34.1	0	0	0
## 35	0	0	0
## 17.17	0	0	0
## 18.16	0	0	0
## 21.15	0	0	0
## 22.14	0	0	0
## 23.13	0	0	0
## 24.12	0	0	0
## 25.11	0	0	0
## 26.10	0	0	0
## 27.9	0	0	0
## 28.8	0	0	0
## 29.7	0	0	0
## 30.6	0	0	0
## 31.5	0	0	0
## 32.4	0	0	0
## 33.3	0	0	0
## 34.2	0	0	0
## 35.1	0	0	0
## 36	0	0	0
## 17.18	0	0	0
## 18.17	0	0	0
## 21.16	0	0	0
## 22.15	0	0	0
## 23.14	0	0	0
## 24.13	0	0	0
## 25.12	0	0	0
## 26.11	0	0	0
## 27.10	0	0	0
## 28.9	0	0	0
## 29.8	0	0	0
## 30.7	0	0	0
## 31.6	0	0	0
## 32.5	0	0	0
## 33.4	0	0	0
## 34.3	0	0	0
## 35.2	0	0	0

## 36.1	0	0	0
## 37	0	0	0
## 17.19	0	0	0
## 18.18	0	0	0
## 21.17	0	0	0
## 22.16	0	0	0
## 23.15	0	0	0
## 24.14	0	0	0
## 25.13	0	0	0
## 26.12	0	0	0
## 27.11	0	0	0
## 28.10	0	0	0
## 29.9	0	0	0
## 30.8	0	0	0
## 31.7	0	0	0
## 32.6	0	0	0
## 33.5	0	0	0
## 34.4	0	0	0
## 35.3	0	0	0
## 36.2	0	0	0
## 37.1	0	0	0
## 38	0	0	0
## 17.20	0	0	0
## 18.19	0	0	0
## 21.18	0	0	0
## 22.17	0	0	0
## 23.16	0	0	0
## 24.15	0	0	0
## 25.14	0	0	0
## 26.13	0	0	0
## 27.12	0	0	0
## 28.11	0	0	0
## 29.10	0	0	0
## 30.9	0	0	0
## 31.8	0	0	0
## 32.7	0	0	0
## 33.6	0	0	0
## 34.5	0	0	0
## 35.4	0	0	0
## 36.3	0	0	0
## 37.2	0	0	0
## 38.1	0	0	0
## 39	0	0	0
## 17.21	0	0	0
## 18.20	0	0	0
## 21.19	0	0	0
## 22.18	0	0	0
## 23.17	0	0	0
## 24.16	0	0	0
## 25.15	0	0	0
## 26.14	0	0	0
## 27.13	0	0	0
## 28.12	0	0	0
## 29.11	0	0	0

## 30.10	0	0	0
## 31.9	0	0	0
## 32.8	0	0	0
## 33.7	0	0	0
## 34.6	0	0	0
## 35.5	0	0	0
## 36.4	0	0	0
## 37.3	0	0	0
## 38.2	0	0	0
## 39.1	0	0	0
## 41	0	0	0
## 10	0	0	0
## 50	0	0	0
## 51	0	0	0
## 58	0	0	0
## 44	0	0	0
## 49	0	0	0
## 9	0	0	0
## 58.1	0	0	0
## 59	0	0	0
## 74	0	0	0
## 76	0	0	0
## 88	0	0	0
## 83	0	0	0
## 89	0	0	0
## 79	0	0	0
## 76.1	0	0	0
## 77	0	0	0
## 73	0	0	0
## 72	0	0	0
## 71	0	0	0
## 96	0	0	0
## 74.1	0	0	0
## 75	0	0	0
## 104	0	0	0
## 119	0	0	0
## 129	0	0	0
## 128	0	0	0
## 122	0	0	0
## 142	0	0	0
## 150	0	0	0
## 121	0	0	0
## 167	0	0	0
## 121.1	0	0	0
## 154	0	0	0
## 142.1	0	0	0
## 146	0	0	0
## 119.1	0	0	0
## 120	0	0	0
## 177	0	0	0
## 174	0	0	0
## 175	0	0	0
## 176	0	0	0
## 135	0	0	0

## 169	0	0	0
## 196	0	0	0
## 196.1	0	0	0
## 197	0	0	0
## 196.2	0	0	0
## 197.1	0	0	0
## 198	0	0	0
## 196.3	0	0	0
## 197.2	0	0	0
## 198.1	0	0	0
## 199	0	0	0
## 196.4	0	0	0
## 197.3	0	0	0
## 198.2	0	0	0
## 199.1	0	0	0
## 200	0	0	0
## 195	0	0	0
## 206	0	0	0
## 208	0	0	0
## 213	0	0	0
## 213.1	0	0	0
## 214	0	0	0
## 213.2	0	0	0
## 214.1	0	0	0
## 215	0	0	0
## 217	0	0	0
## 217.1	0	0	0
## 218	0	0	0
## 231	0	0	0
## 242	0	0	0
## 250	0	0	0
## 223	0	0	0
## 238	0	0	0
## 246	0	0	0
## 246.1	0	0	0
## 260	0	0	0
## 282	0	0	0
## 284	0	0	0
## 196.5	0	0	0
## 197.4	0	0	0
## 198.3	0	0	0
## 199.2	0	0	0
## 200.1	0	0	0
## 201	0	0	0
## 195.1	0	0	0
## 202	0	0	0
## 238.1	0	0	0
## 254	0	0	0
## 296	0	0	0
## 237	0	0	0
## 296.1	0	0	0
## 297	0	0	0
## 275	0	0	0
## 296.2	0	0	0

## 297.1	0	0	0
## 299	0	0	0
## 237.1	0	0	0
## 298	0	0	0
## 292	0	0	0
## 195.2	0	0	0
## 202.1	0	0	0
## 293	0	0	0
## 317	0	0	0
## 316	0	0	0
## 322	0	0	0
## 324	0	0	0
## 329	0	0	0
## 337	0	0	0
## 355	0	0	0
## 322.1	0	0	0
## 323	0	0	0
## 320	0	0	0
## 317.1	0	0	0
## 318	0	0	0
## 319	0	0	0
## 317.2	0	0	0
## 318.1	0	0	0
## 375	0	0	0
## 393	0	0	0
## 316.1	0	0	0
## 321	0	0	0
## 381	0	0	0
## 399	0	0	0
## 399.1	0	0	0
## 400	0	0	0
## 402	0	0	0
## 408	0	0	0
## 408.1	0	0	0
## 409	0	0	0
## 417	0	0	0
## 411	0	0	0
## 408.2	0	0	0
## 409.1	0	0	0
## 410	0	0	0
## 431	0	0	0
## 435	0	0	0
## 433	0	0	0
## 427	0	0	0
## 447	0	0	0
## 449	0	0	0
## 465	0	0	0
## 470	0	0	0
## 460	0	0	0
## 479	0	0	0
## 402.1	0	0	0
## 403	0	0	0
## 502	0	0	0
## 502.1	0	0	0

## 503	0	0	0
## 497	0	0	0
## 514	0	0	0
## 507	0	0	0
## 399.2	0	0	0
## 400.1	0	0	0
## 401	0	0	0
## 497.1	0	0	0
## 508	0	0	0
## 495	0	0	0
## 572	0	0	0
## 574	0	0	0
## 574.1	0	0	0
## 575	0	0	0
## 579	0	0	0
## 579.1	0	0	0
## 582	0	0	0
## 586	0	0	0
## 572.1	0	0	0
## 573	0	0	0
## 599	0	1	0
## 612	0	0	0
## 617	0	0	0
## 616	0	0	0
## 641	0	0	0
## 662	0	0	0
## 668	0	0	0
## 678	0	0	0
## 677	0	0	0
## 647	0	0	0
## 700	0	0	0
## 704	0	0	0
## 709	0	1	0
## 732	0	0	0
## 806	0	0	0
## 700.1	0	0	0
## 701	0	0	0
## 851	0	0	0
## 859	0	0	0
## 887	0	0	0
## 894	0	0	0
## 896	0	0	0
## 899	0	0	0
## 901	0	0	0
## 910	0	0	0
## 894.1	0	0	0
## 900	0	0	0
## 917	0	0	0
## 926	0	1	0
## 892	0	0	0
## 945	0	0	0
## 937	0	0	0
## 908	0	0	0
## 958	0	0	0



## 971	0	1	0
## 985	0	0	0
## 1019	0	0	0
## 1039	0	0	0
## 1017	0	0	0
## 1097	0	0	0
## 1135	0	0	0
## 1135.1	0	0	0
## 1136	0	0	0
## 1139	0	0	0
## 1139.1	0	0	0
## 1140	0	0	0
## 1145	0	0	0
## 1143	0	0	0
## 1145.1	0	0	0
## 1146	0	0	0
## 1138	0	0	0
## 1167	0	0	0
## 1173	0	0	0
## 1175	0	0	0
## 1178	0	0	0
## 1217	0	0	0
## 1211	0	0	0
## 1131	0	0	0
## 1250	0	0	0
## 1253	0	0	0
## 1268	0	0	0
## 1248	0	0	0
## 1249	0	0	0
## 1216	0	0	0
## 1216.1	0	0	0
## 1280	0	0	0
## 1266	0	0	0
## 1293	0	0	0
## 1295	0	0	0
## 1295.1	0	0	0
## 1296	0	0	0
## 1305	0	0	0
## 1308	0	0	0
## 1308.1	0	0	0
## 1309	0	0	0
## 1311	0	0	0
## 1315	0	0	0
## 1315.1	0	0	0
## 1316	0	0	0
## 1318	0	0	0
## 1320	0	0	0
## 1315.2	0	0	0
## 1316.1	0	0	0
## 1317	0	0	0
## 1327	0	0	0
## 1341	0	0	0
## 1345	0	0	0
## 1350	0	0	0

## 1408	0	0	0
## 1438	0	0	0
## 1443	0	0	0
## 1443.1	0	0	0
## 1444	0	0	0
## 1290	0	0	0
## 1465	0	0	0
## 1474	0	0	0
## 1474.1	0	0	0
## 1475	0	0	0
## 1485	0	0	0
## 1503	0	0	0
## 1506	0	0	0
## 1509	0	0	0
## 1533	0	0	0
## 1533.1	0	0	0
## 1534	0	0	0
## 1533.2	0	0	0
## 1534.1	0	0	0
## 1537	0	0	0
## 1533.3	0	0	0
## 1534.2	0	0	0
## 1537.1	0	0	0
## 1539	0	0	0
## 1545	0	0	0
## 1545.1	0	0	0
## 1546	0	0	0
## 1548	0	0	0
## 1552	0	0	0
## 1552.1	0	0	0
## 1557	0	0	0
## 1571	0	0	0
## 1580	0	0	0
## 1570	0	0	0
## 1584	0	0	0
## 1584.1	0	0	0
## 1606	0	0	0
## 1609	0	0	0
## 1612	0	0	0
## 1624	0	0	0
## 1629	0	0	0
## 1631	0	0	0
## 1642	0	0	0
## 1663	0	0	0
## 1702	0	0	0
## 1700	0	0	0
## 1719	0	0	0
## 1719.1	0	0	0
## 1720	0	0	0
## 1731	0	0	0
## 1742	0	0	0
## 1698	0	0	0
## 1749	0	0	0
## 1741	0	0	0

## 1768	0	0	0
## 1807	0	0	0
## 1771	0	0	0
## 1814	0	0	0
## 1830	0	0	0
## 1848	0	0	0
## 1853	0	0	0
## 1863	0	0	0
## 1862	0	0	0
## 1862.1	0	0	0
## 1867	0	0	0
## 1865	0	0	0
## 1862.2	0	0	0
## 1867.1	0	0	0
## 1868	0	0	0
## 1862.3	0	0	0
## 1867.2	0	0	0
## 1868.1	0	0	0
## 1872	0	0	0
## 1879	0	0	0
## 1911	0	0	0
## 1952	0	0	0
## 1954	0	0	0
## 1973	0	0	0
## 1989	0	0	0
## 1994	0	0	0
## 1996	0	0	0
## 1998	0	0	0
## 1998.1	0	0	0
## 1999	0	0	0
## 2001	0	0	0
## 2021	0	0	0
## 2015	0	0	0
## 2029	0	0	0
## 2034	0	0	0
## 2039	0	0	0
## 2045	0	0	0
## 2064	0	0	0
## 2062	0	0	0
## 2069	0	0	0
## 2064.1	0	0	0
## 2070	0	0	0
## 2101	0	0	0
## 2110	0	0	0
## 2113	0	0	0
## 2131	0	0	0
## 2131.1	0	0	0
## 2132	0	0	0
## 2135	0	0	0
## 2145	0	0	0
## 2153	0	0	0
## 2162	0	0	0
## 2162.1	0	0	0
## 2163	0	0	0

## 2168	0	0	0
## 2168.1	0	0	0
## 2169	0	0	0
## 2179	0	0	0
## 2178	0	0	0
## 2182	0	0	0
## 2162.2	0	0	0
## 2163.1	0	0	0
## 2164	0	0	0
## 2187	0	0	0
## 2162.3	0	0	0
## 2163.2	0	0	0
## 2164.1	0	0	0
## 2184	0	0	0
## 2174	0	0	0
## 2179.1	0	0	0
## 2180	0	0	0
## 2212	0	0	0
## 2229	0	0	0
## 2229.1	0	0	0
## 2230	0	0	0
## 2237	0	0	0
## 2247	0	0	0
## 2252	0	0	0
## 2275	0	0	0
## 2282	0	0	0
## 2273	0	0	0
## 2273.1	0	0	0
## 2285	0	0	0
## 2287	0	0	0
## 2292	0	0	0
## 2297	0	0	0
## 2300	0	0	0
## 2302	0	0	0
## 2308	0	0	0
## 2308.1	0	0	0
## 2309	0	0	0
## 2323	0	0	0
## 2339	0	0	0
## 2357	0	0	1
## 2360	0	0	0
## 2349	0	0	0
## 2367	0	0	0
## 2366	0	0	0
## 2380	0	0	0
## 2418	0	0	0
## 2433	0	0	0
## 2442	0	0	0
## 2450	0	0	0
## 2463	0	0	0
## 2480	0	0	0
## 2493	0	0	0
## 2504	0	0	0
## 2508	0	0	0

```

## 2512      0      0      0
## 2525      0      0      0
## 2533      0      0      0
## 2541      0      0      0
## 2548      0      0      0
## 2556      0      0      0
## 2568      0      0      0
## 2574      0      0      0
## 2573      0      0      0
## 2574.1    0      0      0
## 2575      0      0      0
## 2585      0      0      0
## 2574.2    0      0      0
## 2575.1    0      0      0
## 2579      0      0      0
## 2574.3    0      0      0
## 2575.2    0      0      0
## 2579.1    0      0      0
## 2591      0      0      0
## 2574.4    0      0      0
## [ reached 'max' / getOption("max.print") -- omitted 3619 rows ]
## Checking if any bins have less than 5 points, merging bins when necessary...
##
## Selected:
##   model      psill      range
## 1   Nug 0.24464055      0.00
## 2   Exp 0.08663018 10391.67
##
## Tested models, best first:
##   Tested.models kappa      SSError
## 2           Exp      0 4.429738e-08
## 1           Sph      0 1.033833e-07
## [using universal kriging]
print(Sys.time() - start)

## Time difference of 5.955439 mins
# Devolvemos los valores de COS a su condiccion original.

RKprediction <- exp(raster(OCS.krige$krige_output[1]))
RKpredsd <- exp(raster(OCS.krige$krige_output[3]))

# Vemos el resumen estadistico de los resultados en kg/m2.

summary(RKprediction)

##           layer
## Min.         1.296340
## 1st Qu.      3.796010
## Median       4.196352
## 3rd Qu.      6.353187
## Max.        22.313380
## NA's       16533.000000

```

```
summary(RKpredsd)
```

```
##           layer
## Min.      1.146581
## 1st Qu.   1.224752
## Median    1.271055
## 3rd Qu.   1.326338
## Max.      1.338849
## NA's      16533.000000
```

```
# Si existen valores atipico se pueden eliminar aqui.
```

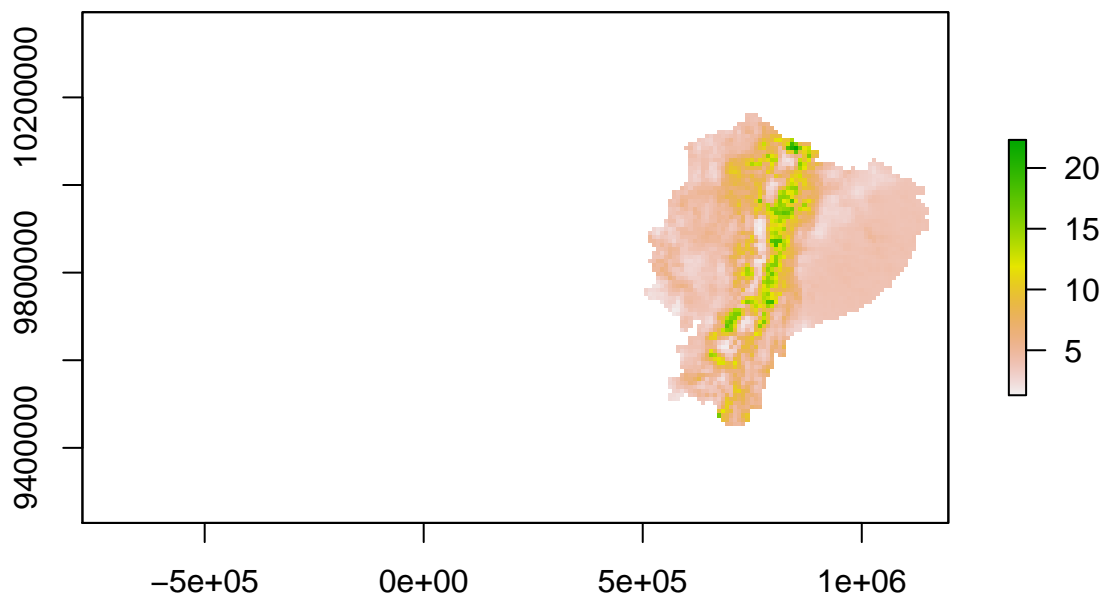
```
#values(RKprediction ) [values(RKprediction ) < 0]  <- NA
#values(RKprediction ) [values(RKprediction ) > 100] <- NA
#values(RKpredsd) [values(RKpredsd ) > 10]  <- NA
```

```
# Vemos el resumen estadistico de los resultados en kg/m2.
```

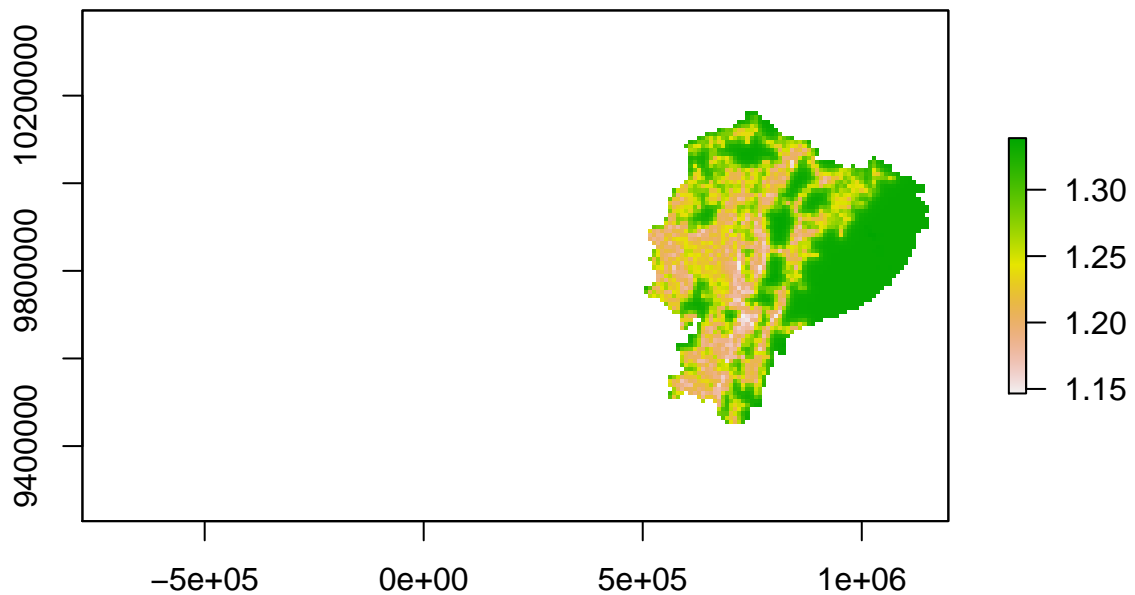
```
#summary(RKprediction)
#summary(RKpredsd)
```

```
# Graficamos los resultados.
```

```
plot(RKprediction)
```



```
plot(RKpredsd)
```



```
# Reproyectamos la prediccion a geografica WGS84.
```

```
RKprediction_geo <- projectRaster(RKprediction, crs = CRS("+proj=longlat +datum=WGS84 +no_defs +ellps=WGS84"))
```

```
# Guardamos los resultados en archivos tiff.
```

```
#writeRaster(RKprediction, filename = "ECU_OCS_RK_kgm2.tif")
```

```
#writeRaster(RKprediction, filename = "ECU_OCS_RK_kgm2a.asc")
```

```
#writeRaster(RKprediction_geo, filename = "ECU_OCS_RK_kgm2_geo.asc")
```

```
#writeRaster(RKprediction_geo, filename = "ECU_OCS_RK_kgm2_geot.tif")
```

```
#writeRaster(RKpredsd, filename = "ECU_OCS_RKpredsd_kgm2.tif")
```

```
# Convertimos los resultados de kg/m2 a Tn/ha.
```

```
# Importamos el raster resultados
```

```
r1 <- raster ('ECU_OCS_RK_kgm2.tif')
```

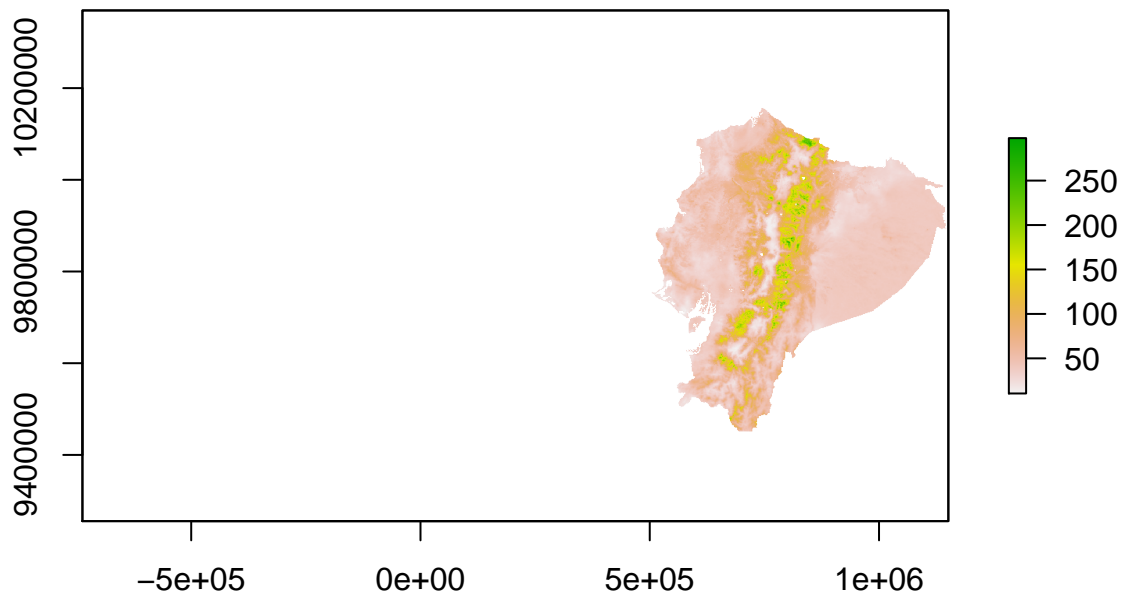
```
r2 <- r1 *10
```

```
r3 <- raster ('ECU_OCS_RKpredsd_kgm2.tif')
```

```
r4 <- r3 *10
```

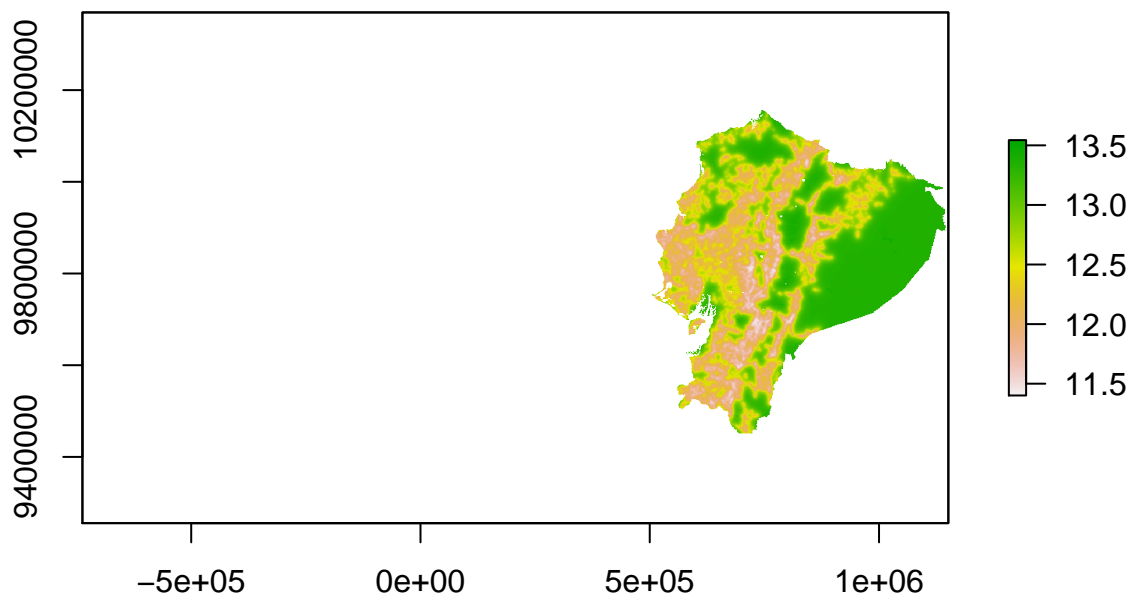
```
# Graficamos los resultados en Tn/ha.
```

```
plot(r2)
```



```
plot(r4)
```





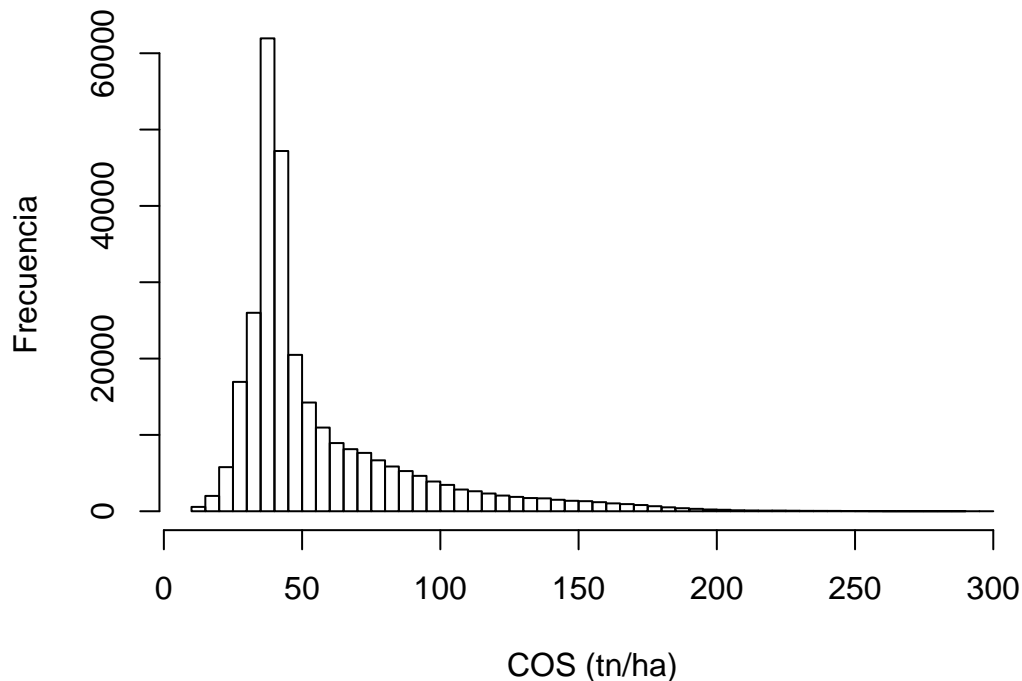
```
# Resumen del mapa de COS en tn/ha.
```

```
summary(r2)
```

```
##          ECU_OCS_RK_kgm2
## Min.      1.044161e+01
## 1st Qu.   3.759635e+01
## Median    4.226499e+01
## 3rd Qu.   6.507849e+01
## Max.      2.978068e+02
## NA's      1.398030e+06
```

```
hist(r2, breaks = 100, main = "Histograma de frecuencia de COS en mapa de RK (tn/ha)", xlab= 'COS (tn/ha)')
```

## Histograma de frecuencia de COS en mapa de RK (tn/ha)



Histograma sobre datos de COS producto de Regresion-Kriging

```
# Reproyectamos la prediccion a geografica WGS84.
```

```
r2_geo <- projectRaster(r2, crs = CRS("+proj=longlat +datum=WGS84 +no_defs +ellps=WGS84 +towgs84=0,0,0"))
r4_geo <- projectRaster(r4, crs = CRS("+proj=longlat +datum=WGS84 +no_defs +ellps=WGS84 +towgs84=0,0,0"))
```

```
# Se guarda en formato tif.
```

```
#writeRaster(r2, 'ECU_Mapa_COS_tnha.tif')
#writeRaster(r4, 'ECU_Mapa_COS_Res_tnha.tif')
#writeRaster(r4_geo, 'ECU_Mapa_COS_Res_tnha_geo.tif')
#writeRaster(r2_geo, 'ECU_Mapa_COS_tnha_geo.tif')
```

```
# Ejecutamos estimacion del COS segun ecuacion de RLM Multiple y el kriging
# de los residuos para las Islas Galapagos.
```

```
start <- Sys.time()
```

```
OCS.krige.g <- autoKrige(formula = log(OCSKGM30) ~ tx2mod3a + tdhmod3a + tx4mod3a + ganhws3a + tx6mod3a +
                        DEMSRE3a + VerticalDistanceToChannelNetwork + RelativeSlopePosition + twisre3a,
                        input_data = dat_sp,
                        new_data = COV.sp,
                        verbose = TRUE,
                        block = c(1000, 1000),
                        model = c("Sph", "Exp"))
```

```
## Warning in autoKrige(formula = log(OCSKGM30) ~ tx2mod3a + tdhmod3a +
## tx4mod3a + : Removed 2169 duplicate observation(s) in input_data:
```

```
##               coordinates      ID1                                ID
```

## 3	(753711.4, 10141590)	837	CG4-P158_1.28_-78.72
## 3.1	(753711.4, 10141590)	837	CG4-P158_1.28_-78.72
## 4	(753711.4, 10141590)	10089	PN2-P267_1.28_-78.72
## 2	(753723.5, 10127210)	39	CG1-P021_1.15_-78.72
## 11	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 11.1	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 11.2	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12.1	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 13	(725898.1, 10116130)	1840	C02-P016_1.05_-78.97
## 11.3	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12.2	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 13.1	(725898.1, 10116130)	1840	C02-P016_1.05_-78.97
## 14	(725898.1, 10116130)	2001	C09-P038_1.05_-78.97
## 11.4	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12.3	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 13.2	(725898.1, 10116130)	1840	C02-P016_1.05_-78.97
## 14.1	(725898.1, 10116130)	2001	C09-P038_1.05_-78.97
## 15	(725898.1, 10116130)	8657	PM1-P076_1.05_-78.97
## 17	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 11.5	(725898.1, 10116130)	1552	CL6-P127_1.05_-78.97
## 12.4	(725898.1, 10116130)	1568	CL6-P143_1.05_-78.97
## 13.3	(725898.1, 10116130)	1840	C02-P016_1.05_-78.97
## 14.2	(725898.1, 10116130)	2001	C09-P038_1.05_-78.97
## 15.1	(725898.1, 10116130)	8657	PM1-P076_1.05_-78.97
## 16	(725898.1, 10116130)	8659	PM1-P077_1.05_-78.97
## 17.1	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 17.2	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.1	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 17.3	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.2	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.1	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 17.4	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.3	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.2	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.1	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 17.5	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.4	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.3	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.2	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.1	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 17.6	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.5	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.4	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.3	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.2	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.1	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 17.7	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07

## 18.6	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.5	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.4	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.3	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.2	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.1	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 17.8	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.7	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.6	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.5	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.4	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.3	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.2	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.1	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 17.9	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.8	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.7	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.6	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.5	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.4	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.3	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.2	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.1	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 17.10	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.9	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.8	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.7	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.6	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.5	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.4	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.3	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.2	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.1	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 17.11	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.10	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.9	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.8	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.7	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.6	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.5	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.4	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.3	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.2	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.1	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 17.12	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.11	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.10	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.9	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.8	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07

## 24.7	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.6	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.5	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.4	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.3	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.2	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.1	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 17.13	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.12	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.11	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.10	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.9	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.8	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.7	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.6	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.5	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.4	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.3	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.2	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.1	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 17.14	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.13	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.12	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.11	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.10	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.9	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.8	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.7	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.6	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.5	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.4	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.3	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.2	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.1	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 17.15	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.14	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.13	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.12	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.11	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.10	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.9	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.8	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.7	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.6	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.5	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.4	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.3	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.2	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.1	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 17.16	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07

## 18.15	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.14	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.13	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.12	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.11	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.10	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.9	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.8	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.7	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.6	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.5	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.4	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.3	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.2	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.1	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 17.17	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.16	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.15	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.14	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.13	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.12	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.11	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.10	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.9	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.8	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.7	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.6	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.5	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.4	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.3	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.2	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.1	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 36	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 17.18	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.17	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.16	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.15	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.14	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.13	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.12	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.11	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.10	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.9	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.8	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.7	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.6	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.5	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.4	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.3	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.2	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 36.1	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 37	(714765.7, 10116120)	10050	PN2-P234_1.05_-79.07
## 17.19	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07

## 18.18	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.17	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.16	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.15	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.14	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.13	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.12	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.11	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.10	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.9	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.8	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.7	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.6	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.5	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.4	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.3	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 36.2	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 37.1	(714765.7, 10116120)	10050	PN2-P234_1.05_-79.07
## 38	(714765.7, 10116120)	10051	PN2-P235_1.05_-79.07
## 17.20	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.19	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.18	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.17	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.16	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.15	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.14	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.13	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.12	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.11	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.10	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.9	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.8	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.7	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07
## 33.6	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.5	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.4	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 36.3	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 37.2	(714765.7, 10116120)	10050	PN2-P234_1.05_-79.07
## 38.1	(714765.7, 10116120)	10051	PN2-P235_1.05_-79.07
## 39	(714765.7, 10116120)	10054	PN2-P236_1.05_-79.07
## 17.21	(714765.7, 10116120)	9827	PN1-P241_1.05_-79.07
## 18.20	(714765.7, 10116120)	9829	PN1-P271_1.05_-79.07
## 21.19	(714765.7, 10116120)	9937	PN2-P130_1.05_-79.07
## 22.18	(714765.7, 10116120)	9962	PN2-P155_1.05_-79.07
## 23.17	(714765.7, 10116120)	9964	PN2-P157_1.05_-79.07
## 24.16	(714765.7, 10116120)	9994	PN2-P187_1.05_-79.07
## 25.15	(714765.7, 10116120)	9995	PN2-P188_1.05_-79.07
## 26.14	(714765.7, 10116120)	10003	PN2-P195_1.05_-79.07
## 27.13	(714765.7, 10116120)	10005	PN2-P197_1.05_-79.07
## 28.12	(714765.7, 10116120)	10016	PN2-P206_1.05_-79.07
## 29.11	(714765.7, 10116120)	10017	PN2-P207_1.05_-79.07
## 30.10	(714765.7, 10116120)	10019	PN2-P209_1.05_-79.07
## 31.9	(714765.7, 10116120)	10027	PN2-P217_1.05_-79.07
## 32.8	(714765.7, 10116120)	10029	PN2-P218_1.05_-79.07

## 33.7	(714765.7, 10116120)	10042	PN2-P230_1.05_-79.07
## 34.6	(714765.7, 10116120)	10044	PN2-P231_1.05_-79.07
## 35.5	(714765.7, 10116120)	10046	PN2-P232_1.05_-79.07
## 36.4	(714765.7, 10116120)	10048	PN2-P233_1.05_-79.07
## 37.3	(714765.7, 10116120)	10050	PN2-P234_1.05_-79.07
## 38.2	(714765.7, 10116120)	10051	PN2-P235_1.05_-79.07
## 39.1	(714765.7, 10116120)	10054	PN2-P236_1.05_-79.07
## 41	(714765.7, 10116120)	10090	PN2-P268_1.05_-79.07
## 10	(748159.1, 10123890)	31	CG1-P015_1.12_-78.77
## 50	(757068.2, 10121680)	10534	PN4-P234_1.1_-78.69
## 51	(755953.9, 10122790)	10536	PN4-P236_1.11_-78.7
## 58	(759292.5, 10125000)	10833	PN5-P272_1.13_-78.67
## 44	(733686.5, 10122770)	10268	PN3-P167_1.11_-78.9
## 49	(732577, 10117240)	10521	PN4-P226_1.06_-78.91
## 9	(702520.3, 10117220)	13	PN8-P268_1.06_-79.18
## 58.1	(759292.5, 10125000)	10833	PN5-P272_1.13_-78.67
## 59	(759292.5, 10125000)	11317	PN7-P272_1.13_-78.67
## 74	(701416.7, 10099530)	30	CG1-P015_0.9_-79.19
## 76	(723674.3, 10111700)	41	CG1-P022_1.01_-78.99
## 88	(731469.5, 10108390)	10299	PN3-P204_0.98_-78.92
## 83	(732582.1, 10109500)	10098	PN2-P274_0.99_-78.91
## 89	(716996.8, 10108380)	10300	PN3-P204_0.98_-79.05
## 79	(712544.5, 10107270)	10085	PN2-P263_0.97_-79.09
## 76.1	(723674.3, 10111700)	41	CG1-P022_1.01_-78.99
## 77	(723674.3, 10111700)	174	CG1-P147_1.01_-78.99
## 73	(737040.3, 10101760)	26	CG1-P013_0.92_-78.87
## 72	(734812.9, 10102860)	24	CG1-P012_0.93_-78.89
## 71	(733696.8, 10107290)	22	CG1-P011_0.97_-78.9
## 96	(741487.5, 10111720)	10538	PN4-P238_1.01_-78.83
## 74.1	(701416.7, 10099530)	30	CG1-P015_0.9_-79.19
## 75	(701416.7, 10099530)	38	CG1-P021_0.9_-79.19
## 104	(652440.5, 10105030)	10815	PN5-P258_0.95_-79.63
## 119	(619061, 10082910)	81	CG1-P056_0.75_-79.93
## 129	(841745.7, 10088550)	9235	PM3-P221_0.8_-77.93
## 128	(868490.8, 10088570)	9234	PM3-P220_0.8_-77.69
## 122	(856230.1, 10090780)	1103	CG5-P187_0.82_-77.8
## 142	(654669.3, 10097300)	9828	PN1-P263_0.88_-79.61
## 150	(680273.4, 10085140)	10262	PN3-P163_0.77_-79.38
## 121	(675818.1, 10092880)	721	CG4-P041_0.84_-79.42
## 167	(678046.4, 10087350)	10795	PN5-P242_0.79_-79.4
## 121.1	(675818.1, 10092880)	721	CG4-P041_0.84_-79.42
## 154	(675818.1, 10092880)	10267	PN3-P167_0.84_-79.42
## 142.1	(654669.3, 10097300)	9828	PN1-P263_0.88_-79.61
## 146	(654669.3, 10097300)	10084	PN2-P263_0.88_-79.61
## 119.1	(619061, 10082910)	81	CG1-P056_0.75_-79.93
## 120	(619061, 10082910)	158	CG1-P132_0.75_-79.93
## 177	(738158.1, 10094020)	11009	PN6-P176_0.85_-78.86
## 174	(655786.6, 10085130)	10814	PN5-P257_0.77_-79.6
## 175	(610158.1, 10084020)	10818	PN5-P261_0.76_-80.01
## 176	(630186.9, 10092860)	10823	PN5-P265_0.84_-79.83
## 135	(789385.4, 10090730)	9597	PM6-P031_0.82_-78.4
## 169	(683609.6, 10092880)	10797	PN5-P243_0.84_-79.35
## 196	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 196.1	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81



## 197	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 196.2	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 197.1	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 198	(632416.1, 10080700)	259	CG2-P012_0.73_-79.81
## 196.3	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 197.2	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 198.1	(632416.1, 10080700)	259	CG2-P012_0.73_-79.81
## 199	(632416.1, 10080700)	262	CG2-P013_0.73_-79.81
## 196.4	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 197.3	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 198.2	(632416.1, 10080700)	259	CG2-P012_0.73_-79.81
## 199.1	(632416.1, 10080700)	262	CG2-P013_0.73_-79.81
## 200	(632416.1, 10080700)	263	CG2-P014_0.73_-79.81
## 195	(619061.6, 10080700)	79	CG1-P055_0.73_-79.93
## 206	(874077.3, 10069750)	7324	CSp-OII_C2-82-0003_0.63_-77.64
## 208	(868504.4, 10069750)	7332	CSp-OII_C2-85-0001_0.63_-77.69
## 213	(878536.5, 10068650)	7339	CSp-OII_C2-85-0008_0.62_-77.6
## 213.1	(878536.5, 10068650)	7339	CSp-OII_C2-85-0008_0.62_-77.6
## 214	(878536.5, 10068650)	7342	CSp-OII_C2-89-0003_0.62_-77.6
## 213.2	(878536.5, 10068650)	7339	CSp-OII_C2-85-0008_0.62_-77.6
## 214.1	(878536.5, 10068650)	7342	CSp-OII_C2-89-0003_0.62_-77.6
## 215	(878536.5, 10068650)	7343	CSp-OII_C2-89-0004_0.62_-77.6
## 217	(877421.9, 10068650)	7347	CSp-OII_C2-99-0001_0.62_-77.61
## 217.1	(877421.9, 10068650)	7347	CSp-OII_C2-99-0001_0.62_-77.61
## 218	(877421.9, 10068650)	7348	CSp-OII_C2-99-0002_0.62_-77.61
## 231	(835071.4, 10071940)	9228	PM3-P214_0.65_-77.99
## 242	(857351.2, 10081920)	9548	PM5-P074_0.74_-77.79
## 250	(868498.4, 10078610)	9808	PN1-P220_0.71_-77.69
## 223	(847329.2, 10070840)	8794	PM1-P214_0.64_-77.88
## 238	(603483.3, 10074060)	9317	PM4-P076_0.67_-80.07
## 246	(829501, 10070830)	9714	PN1-P097_0.64_-78.04
## 246.1	(829501, 10070830)	9714	PN1-P097_0.64_-78.04
## 260	(829501, 10070830)	10062	PN2-P245_0.64_-78.04
## 282	(869616.8, 10073070)	10481	PN4-P189_0.66_-77.68
## 284	(662468.4, 10072970)	10509	PN4-P216_0.66_-79.54
## 196.5	(632416.1, 10080700)	256	CG2-P010_0.73_-79.81
## 197.4	(632416.1, 10080700)	258	CG2-P011_0.73_-79.81
## 198.3	(632416.1, 10080700)	259	CG2-P012_0.73_-79.81
## 199.2	(632416.1, 10080700)	262	CG2-P013_0.73_-79.81
## 200.1	(632416.1, 10080700)	263	CG2-P014_0.73_-79.81
## 201	(632416.1, 10080700)	265	CG2-P015_0.73_-79.81
## 195.1	(619061.6, 10080700)	79	CG1-P055_0.73_-79.93
## 202	(619061.6, 10080700)	1161	CG6-P054_0.73_-79.93
## 238.1	(603483.3, 10074060)	9317	PM4-P076_0.67_-80.07
## 254	(603483.3, 10074060)	10015	PN2-P206_0.67_-80.07
## 296	(605709.3, 10071850)	10828	PN5-P269_0.65_-80.05
## 237	(601257.6, 10074060)	9310	PM4-P070_0.67_-80.09
## 296.1	(605709.3, 10071850)	10828	PN5-P269_0.65_-80.05
## 297	(605709.3, 10071850)	10830	PN5-P270_0.65_-80.05
## 275	(836182.2, 10077480)	10470	PN4-P177_0.7_-77.98
## 296.2	(605709.3, 10071850)	10828	PN5-P269_0.65_-80.05
## 297.1	(605709.3, 10071850)	10830	PN5-P270_0.65_-80.05
## 299	(605709.3, 10071850)	10884	PN6-P050_0.65_-80.05
## 237.1	(601257.6, 10074060)	9310	PM4-P070_0.67_-80.09

## 298	(601257.6, 10074060)	10832	PN5-P271_0.67_-80.09
## 292	(613499.7, 10069650)	10817	PN5-P260_0.63_-79.98
## 195.2	(619061.6, 10080700)	79	CG1-P055_0.73_-79.93
## 202.1	(619061.6, 10080700)	1161	CG6-P054_0.73_-79.93
## 293	(619061.6, 10080700)	10821	PN5-P264_0.73_-79.93
## 317	(683622.3, 10055290)	500	CG3-P034_0.5_-79.35
## 316	(660243.9, 10067440)	78	CG1-P055_0.61_-79.56
## 322	(819476.8, 10065300)	1434	CL5-P063_0.59_-78.13
## 324	(887459, 10060900)	7327	CSp-OII_C2-82-0006_0.55_-77.52
## 329	(833964.9, 10057560)	8785	PM1-P205_0.52_-78
## 337	(852906.2, 10061990)	9223	PM3-P209_0.56_-77.83
## 355	(858476.5, 10065320)	9802	PN1-P214_0.59_-77.78
## 322.1	(819476.8, 10065300)	1434	CL5-P063_0.59_-78.13
## 323	(819476.8, 10065300)	1482	CL6-P036_0.59_-78.13
## 320	(662473.2, 10054180)	1101	CG5-P185_0.49_-79.54
## 317.1	(683622.3, 10055290)	500	CG3-P034_0.5_-79.35
## 318	(683622.3, 10055290)	502	CG3-P036_0.5_-79.35
## 319	(672491.1, 10054180)	504	CG3-P037_0.49_-79.45
## 317.2	(683622.3, 10055290)	500	CG3-P034_0.5_-79.35
## 318.1	(683622.3, 10055290)	502	CG3-P036_0.5_-79.35
## 375	(683622.3, 10055290)	10500	PN4-P208_0.5_-79.35
## 393	(816137.8, 10058650)	11543	PN8-P202_0.53_-78.16
## 316.1	(660243.9, 10067440)	78	CG1-P055_0.61_-79.56
## 321	(660243.9, 10067440)	1160	CG6-P054_0.61_-79.56
## 381	(661359.9, 10055280)	10812	PN5-P255_0.5_-79.55
## 399	(616843.1, 10038690)	246	CG2-P003_0.35_-79.95
## 399.1	(616843.1, 10038690)	246	CG2-P003_0.35_-79.95
## 400	(616843.1, 10038690)	248	CG2-P004_0.35_-79.95
## 402	(849571.5, 10043170)	1106	CG5-P189_0.39_-77.86
## 408	(841772.5, 10038740)	7360	CSp-OII_C3-01-0006_0.35_-77.93
## 408.1	(841772.5, 10038740)	7360	CSp-OII_C3-01-0006_0.35_-77.93
## 409	(841772.5, 10038740)	7361	CSp-OII_C3-01-0008_0.35_-77.93
## 417	(840655.8, 10045380)	7370	CSp-OII_C3-01-0029_0.41_-77.94
## 411	(840656.2, 10044280)	7363	CSp-OII_C3-01-0022_0.4_-77.94
## 408.2	(841772.5, 10038740)	7360	CSp-OII_C3-01-0006_0.35_-77.93
## 409.1	(841772.5, 10038740)	7361	CSp-OII_C3-01-0008_0.35_-77.93
## 410	(841772.5, 10038740)	7362	CSp-OII_C3-01-0009_0.35_-77.93
## 431	(838428.4, 10042060)	7386	CSp-OII_C3-02-0024_0.38_-77.96
## 435	(840657.8, 10039850)	7390	CSp-OII_C3-02-0028_0.36_-77.94
## 433	(838428, 10043170)	7388	CSp-OII_C3-02-0026_0.39_-77.96
## 427	(837315.2, 10038740)	7382	CSp-OII_C3-02-0020_0.35_-77.97
## 447	(883004.8, 10052040)	7406	CSp-OII_C4-85-0010_0.47_-77.56
## 449	(885234.3, 10052040)	7408	CSp-OII_C4-85-0012_0.47_-77.54
## 465	(821714.2, 10044270)	9003	PM2-P198_0.4_-78.11
## 470	(849570.7, 10045390)	9216	PM3-P202_0.41_-77.86
## 460	(842884, 10046490)	8783	PM1-P203_0.42_-77.92
## 479	(840654.9, 10047600)	9534	PM5-P060_0.43_-77.94
## 402.1	(849571.5, 10043170)	1106	CG5-P189_0.39_-77.86
## 403	(849571.5, 10043170)	1159	CG6-P054_0.39_-77.86
## 502	(811688.4, 10040950)	10217	PN3-P117_0.37_-78.2
## 502.1	(811688.4, 10040950)	10217	PN3-P117_0.37_-78.2
## 503	(811688.4, 10040950)	10218	PN3-P118_0.37_-78.2
## 497	(696981.6, 10051970)	10047	PN2-P233_0.47_-79.23
## 514	(823944, 10039840)	10781	PN5-P229_0.36_-78.09

## 507	(695868.1, 10053080)	10496	PN4-P204_0.48_-79.24
## 399.2	(616843.1, 10038690)	246	CG2-P003_0.35_-79.95
## 400.1	(616843.1, 10038690)	248	CG2-P004_0.35_-79.95
## 401	(616843.1, 10038690)	250	CG2-P005_0.35_-79.95
## 497.1	(696981.6, 10051970)	10047	PN2-P233_0.47_-79.23
## 508	(696981.6, 10051970)	10497	PN4-P205_0.47_-79.23
## 495	(704774.8, 10050870)	10041	PN2-P230_0.46_-79.16
## 572	(893047.3, 10027690)	7457	CSp-OII_F1-82-0021_0.25_-77.47
## 574	(893047.6, 10026580)	7459	CSp-OII_F1-82-0023_0.24_-77.47
## 574.1	(893047.6, 10026580)	7459	CSp-OII_F1-82-0023_0.24_-77.47
## 575	(893047.6, 10026580)	7460	CSp-OII_F1-82-0024_0.24_-77.47
## 579	(893045.3, 10034330)	7470	CSp-OII_F1-86-0014_0.31_-77.47
## 579.1	(893045.3, 10034330)	7470	CSp-OII_F1-86-0014_0.31_-77.47
## 582	(893045.3, 10034330)	7474	CSp-OII_F1-99-0012_0.31_-77.47
## 586	(894161.6, 10029900)	7478	CSp-OII_F1-99-0019_0.27_-77.46
## 572.1	(893047.3, 10027690)	7457	CSp-OII_F1-82-0021_0.25_-77.47
## 573	(893047.3, 10027690)	7458	CSp-OII_F1-82-0022_0.25_-77.47
## 599	(1025812, 10028840)	8415	CSp-PII_F1-83-0016_0.26_-76.28
## 612	(806122.3, 10024340)	9010	PM2-P206_0.22_-78.25
## 617	(713685.3, 10033180)	9167	PM3-P150_0.3_-79.08
## 616	(822831.2, 10035420)	9014	PM2-P210_0.32_-78.1
## 641	(809462.4, 10033200)	9716	PN1-P114_0.3_-78.22
## 662	(809464.2, 10025450)	10778	PN5-P226_0.23_-78.22
## 668	(745976.8, 10027650)	11013	PN6-P182_0.25_-78.79
## 678	(720367, 10024330)	11494	PN8-P154_0.22_-79.02
## 677	(673607.8, 10035380)	11346	PN7-P292_0.32_-79.44
## 647	(669156.6, 10025430)	10060	PN2-P244_0.23_-79.48
## 700	(617957.8, 10017690)	687	CG4-P0016_0.16_-79.94
## 704	(908658.1, 10022150)	7461	CSp-OII_F1-82-0025_0.2_-77.33
## 709	(919809.4, 10021050)	7482	CSp-OII_F2-81-0033_0.19_-77.23
## 732	(926502.1, 10013290)	7556	CSp-OII_F4-83-0019_0.12_-77.17
## 806	(729275.2, 10018800)	9948	PN2-P141_0.17_-78.94
## 700.1	(617957.8, 10017690)	687	CG4-P0016_0.16_-79.94
## 701	(617957.8, 10017690)	697	CG4-P015_0.16_-79.94
## 851	(801667.2, 10017700)	11022	PN6-P191_0.16_-78.29
## 859	(665818.3, 10011060)	11303	PN7-P263_0.1_-79.51
## 887	(910890.4, 10006650)	7492	CSp-OII_F3-81-0022_0.06_-77.31
## 894	(909775.6, 10001110)	7503	CSp-OII_F3-82-0031_0.01_-77.32
## 896	(909775.5, 10004430)	7505	CSp-OII_F3-85-0016_0.04_-77.32
## 899	(916465.8, 10008860)	7515	CSp-OII_F3-85-0030_0.08_-77.26
## 901	(914235.9, 10002220)	7519	CSp-OII_F3-86-0015_0.02_-77.28
## 910	(913120.8, 10003320)	7531	CSp-OII_F3-89-0027_0.03_-77.29
## 894.1	(909775.6, 10001110)	7503	CSp-OII_F3-82-0031_0.01_-77.32
## 900	(909775.6, 10001110)	7518	CSp-OII_F3-85-0034_0.01_-77.32
## 917	(922042.1, 10002220)	7548	CSp-OII_F4-83-0010_0.02_-77.21
## 926	(918696.1, 10008860)	7570	CSp-OII_F4-95-0022_0.08_-77.24
## 892	(917581.2, 10005540)	7501	CSp-OII_F3-82-0029_0.05_-77.25
## 945	(906430.4, 9996677)	7620	CSp-OIII_B1-89-0001_-0.03_-77.35
## 937	(905315.3, 9994462)	7612	CSp-OIII_B1-83-0001_-0.05_-77.36
## 908	(904200.4, 1e+07)	7528	CSp-OII_F3-86-0030_0_-77.37
## 958	(926502.9, 9995569)	7644	CSp-OIII_B2-89-0013_-0.04_-77.17
## 971	(992327, 10005540)	8412	CSp-PII_E4-91-0031_0.05_-76.58
## 985	(750433.3, 10007740)	8734	PM1-P153_0.07_-78.75
## 1019	(777162.5, 9997787)	9387	PM4-P148_-0.02_-78.51

## 1039	(749319.8, 9996682)	9742	PN1-P150_-0.03_-78.76
## 1017	(776048.7, 10001110)	9385	PM4-P146_0.01_-78.52
## 1097	(711461.3, 10006640)	11202	PN7-P164_0.06_-79.1
## 1135	(728161.8, 9982304)	2009	CSp-?III_A1-84-0015_-0.16_-78.95
## 1135.1	(728161.8, 9982304)	2009	CSp-?III_A1-84-0015_-0.16_-78.95
## 1136	(728161.8, 9982304)	2010	CSp-?III_A1-84-0016_-0.16_-78.95
## 1139	(738183.5, 9984515)	2013	CSp-?III_A1-84-0024_-0.14_-78.86
## 1139.1	(738183.5, 9984515)	2013	CSp-?III_A1-84-0024_-0.14_-78.86
## 1140	(738183.5, 9984515)	2014	CSp-?III_A1-84-0025_-0.14_-78.86
## 1145	(723708.3, 9985622)	2021	CSp-?III_A1-89-0019_-0.13_-78.99
## 1143	(725935.3, 9986728)	2019	CSp-?III_A1-89-0017_-0.12_-78.97
## 1145.1	(723708.3, 9985622)	2021	CSp-?III_A1-89-0019_-0.13_-78.99
## 1146	(723708.3, 9985622)	2022	CSp-?III_A1-89-0020_-0.13_-78.99
## 1138	(724821.7, 9984516)	2012	CSp-?III_A1-84-0018_-0.14_-78.98
## 1167	(879672.8, 9988927)	7587	CSp-0III_A2-86-0015_-0.1_-77.59
## 1173	(897510, 9988925)	7623	CSp-0III_B1-89-0007_-0.1_-77.43
## 1175	(907545, 9990032)	7630	CSp-0III_B1-95-0001_-0.09_-77.34
## 1178	(905315.1, 9992247)	7635	CSp-0III_B1-95-0006_-0.07_-77.36
## 1217	(596812.9, 9991157)	9678	PN1-P058_-0.08_-80.13
## 1211	(631313.6, 9988945)	9240	PM3-P226_-0.1_-79.82
## 1131	(787186.5, 9986723)	1171	CG6-P064_-0.12_-78.42
## 1250	(591248.5, 9990051)	10160	PN3-P060_-0.09_-80.18
## 1253	(585684.1, 9984524)	10164	PN3-P064_-0.14_-80.23
## 1268	(793870.3, 9991148)	10426	PN4-P133_-0.08_-78.36
## 1248	(656913, 9981204)	10038	PN2-P227_-0.17_-79.59
## 1249	(663591.5, 9980098)	10040	PN2-P229_-0.18_-79.53
## 1216	(603490.1, 9986735)	9590	PM6-P025_-0.12_-80.07
## 1216.1	(603490.1, 9986735)	9590	PM6-P025_-0.12_-80.07
## 1280	(603490.1, 9986735)	11334	PN7-P283_-0.12_-80.07
## 1266	(802782.3, 9993361)	10422	PN4-P129_-0.06_-78.28
## 1293	(732613.2, 9965713)	2036	CSp-?III_A3-83-0051_-0.31_-78.91
## 1295	(747090.7, 9974559)	2038	CSp-?III_A3-83-0054_-0.23_-78.78
## 1295.1	(747090.7, 9974559)	2038	CSp-?III_A3-83-0054_-0.23_-78.78
## 1296	(747090.7, 9974559)	2039	CSp-?III_A3-83-0055_-0.23_-78.78
## 1305	(734841.4, 9972349)	2055	CSp-?III_A3-89-0023_-0.25_-78.89
## 1308	(747090.3, 9972347)	2058	CSp-?III_A3-89-0026_-0.25_-78.78
## 1308.1	(747090.3, 9972347)	2058	CSp-?III_A3-89-0026_-0.25_-78.78
## 1309	(747090.3, 9972347)	2059	CSp-?III_A3-89-0027_-0.25_-78.78
## 1311	(743749.6, 9972347)	2061	CSp-?III_A3-89-0029_-0.25_-78.81
## 1315	(745975.7, 9966816)	2068	CSp-?III_A3-89-0036_-0.3_-78.79
## 1315.1	(745975.7, 9966816)	2068	CSp-?III_A3-89-0036_-0.3_-78.79
## 1316	(745975.7, 9966816)	2069	CSp-?III_A3-89-0037_-0.3_-78.79
## 1318	(734841.7, 9974561)	2071	CSp-?III_A3-97-0025_-0.23_-78.89
## 1320	(733728.4, 9975667)	2073	CSp-?III_A3-97-0028_-0.22_-78.9
## 1315.2	(745975.7, 9966816)	2068	CSp-?III_A3-89-0036_-0.3_-78.79
## 1316.1	(745975.7, 9966816)	2069	CSp-?III_A3-89-0037_-0.3_-78.79
## 1317	(745975.7, 9966816)	2070	CSp-?III_A3-89-0038_-0.3_-78.79
## 1327	(744861.9, 9965710)	2082	CSp-?III_A3-97-0037_-0.31_-78.8
## 1341	(721480.1, 9973457)	2118	CSp-NIII_B4-83-0057_-0.24_-79.01
## 1345	(720366, 9969033)	2122	CSp-NIII_B4-83-0061_-0.28_-79.02
## 1350	(712572.1, 9967928)	2130	CSp-NIII_B4-84-0001_-0.29_-79.09
## 1408	(782729.8, 9976766)	9144	PM3-P123_-0.21_-78.46
## 1438	(582344.9, 9971260)	9690	PN1-P071_-0.26_-80.26
## 1443	(584570.6, 9971260)	9887	PN2-P059_-0.26_-80.24

## 1443.1	(584570.6, 9971260)	9887	PN2-P059_-0.26_-80.24
## 1444	(584570.6, 9971260)	9888	PN2-P060_-0.26_-80.24
## 1290	(591247.4, 9966838)	690	CG4-P005_-0.3_-80.18
## 1465	(627974, 9976784)	10784	PN5-P232_-0.21_-79.85
## 1474	(782729.4, 9974553)	10941	PN6-P109_-0.23_-78.46
## 1474.1	(782729.4, 9974553)	10941	PN6-P109_-0.23_-78.46
## 1475	(782729.4, 9974553)	10942	PN6-P110_-0.23_-78.46
## 1485	(801664.8, 9969017)	11172	PN7-P134_-0.28_-78.29
## 1503	(672496.3, 9977886)	11283	PN7-P244_-0.2_-79.45
## 1506	(652459.4, 9967937)	11286	PN7-P247_-0.29_-79.63
## 1509	(769363.7, 9973449)	11462	PN8-P121_-0.24_-78.58
## 1533	(723705.4, 9964608)	2047	CSp-?III_A3-84-0032_-0.32_-78.99
## 1533.1	(723705.4, 9964608)	2047	CSp-?III_A3-84-0032_-0.32_-78.99
## 1534	(723705.4, 9964608)	2067	CSp-?III_A3-89-0035_-0.32_-78.99
## 1533.2	(723705.4, 9964608)	2047	CSp-?III_A3-84-0032_-0.32_-78.99
## 1534.1	(723705.4, 9964608)	2067	CSp-?III_A3-89-0035_-0.32_-78.99
## 1537	(723705.4, 9964608)	2088	CSp-?III_A3-97-0043_-0.32_-78.99
## 1533.3	(723705.4, 9964608)	2047	CSp-?III_A3-84-0032_-0.32_-78.99
## 1534.2	(723705.4, 9964608)	2067	CSp-?III_A3-89-0035_-0.32_-78.99
## 1537.1	(723705.4, 9964608)	2088	CSp-?III_A3-97-0043_-0.32_-78.99
## 1539	(723705.4, 9964608)	2090	CSp-?III_A3-97-0047_-0.32_-78.99
## 1545	(720365.2, 9964609)	2147	CSp-NIII_B4-89-0041_-0.32_-79.02
## 1545.1	(720365.2, 9964609)	2147	CSp-NIII_B4-89-0041_-0.32_-79.02
## 1546	(720365.2, 9964609)	2148	CSp-NIII_B4-89-0043_-0.32_-79.02
## 1548	(721478.6, 9964609)	2150	CSp-NIII_B4-89-0045_-0.32_-79.01
## 1552	(728158, 9959078)	2165	CSp-?III_C1-83-0068_-0.37_-78.95
## 1552.1	(728158, 9959078)	2165	CSp-?III_C1-83-0068_-0.37_-78.95
## 1557	(728158, 9959078)	2170	CSp-?III_C1-84-0041_-0.37_-78.95
## 1571	(693643.7, 9955767)	2215	CSp-NIII_D1-82-0005_-0.4_-79.26
## 1580	(830626.9, 9953515)	2230	CSp-?III_D2-100-0026_-0.42_-78.03
## 1570	(694757.2, 9956873)	2214	CSp-NIII_D1-82-0004_-0.39_-79.25
## 1584	(828399.3, 9955729)	2234	CSp-?III_D2-100-0030_-0.4_-78.05
## 1584.1	(828399.3, 9955729)	2234	CSp-?III_D2-100-0030_-0.4_-78.05
## 1606	(828399.3, 9955729)	2269	CSp-?III_D2-93-0036_-0.4_-78.05
## 1609	(698097.4, 9959084)	2272	CSp-NIII_D2-97-0004_-0.37_-79.22
## 1612	(713682.2, 9952445)	2284	CSp-NIII_D2-97-0058_-0.43_-79.08
## 1624	(855141.5, 9951291)	7671	CSp-OIII_C1-86-0003_-0.44_-77.81
## 1629	(857371.8, 9954611)	7678	CSp-OIII_C1-92-0001_-0.41_-77.79
## 1631	(856257.3, 9954611)	7680	CSp-OIII_C1-92-0004_-0.41_-77.8
## 1642	(943221.5, 9953464)	7724	CSp-OIII_D2-93-0008_-0.42_-77.02
## 1663	(975578.1, 9960098)	8525	CSp-PIII_C2-83-0011_-0.36_-76.73
## 1702	(787179.1, 9952424)	9572	PM6-P007_-0.43_-78.42
## 1700	(787180.8, 9957956)	9566	PM6-P001_-0.38_-78.42
## 1719	(675834, 9963511)	9619	PM6-P053_-0.33_-79.42
## 1719.1	(675834, 9963511)	9619	PM6-P053_-0.33_-79.42
## 1720	(675834, 9963511)	9620	PM6-P054_-0.33_-79.42
## 1731	(627972.2, 9959096)	10254	PN3-P155_-0.37_-79.85
## 1742	(589020.8, 9956889)	10628	PN5-P078_-0.39_-80.2
## 1698	(660248.4, 9952457)	9564	PM5-P091_-0.43_-79.56
## 1749	(591247.2, 9964627)	10882	PN6-P049_-0.32_-80.18
## 1741	(589021.5, 9964627)	10626	PN5-P076_-0.32_-80.2
## 1768	(779384, 9957958)	10961	PN6-P129_-0.38_-78.49
## 1807	(571216.1, 9960207)	11679	PN9-P056_-0.36_-80.36
## 1771	(568990.7, 9963523)	11100	PN7-P061_-0.33_-80.38

## 1814	(731491.3, 9935850)	2190	CSp-?III_C3-100-0012_-0.58_-78.92
## 1830	(714794.4, 9948021)	2280	CSp-NIII_D2-97-0054_-0.47_-79.07
## 1848	(709226.2, 9942493)	2326	CSp-NIII_D4-90-0006_-0.52_-79.12
## 1853	(847339.6, 9949080)	7664	CSp-OIII_C1-83-0004_-0.46_-77.88
## 1863	(848448, 9936903)	7703	CSp-OIII_C3-86-0011_-0.57_-77.87
## 1862	(849561.8, 9935796)	7698	CSp-OIII_C3-83-0022_-0.58_-77.86
## 1862.1	(849561.8, 9935796)	7698	CSp-OIII_C3-83-0022_-0.58_-77.86
## 1867	(849561.8, 9935796)	7708	CSp-OIII_C3-86-0042_-0.58_-77.86
## 1865	(847334.2, 9938011)	7705	CSp-OIII_C3-86-0013_-0.56_-77.88
## 1862.2	(849561.8, 9935796)	7698	CSp-OIII_C3-83-0022_-0.58_-77.86
## 1867.1	(849561.8, 9935796)	7708	CSp-OIII_C3-86-0042_-0.58_-77.86
## 1868	(849561.8, 9935796)	7710	CSp-OIII_C3-86-0045_-0.58_-77.86
## 1862.3	(849561.8, 9935796)	7698	CSp-OIII_C3-83-0022_-0.58_-77.86
## 1867.2	(849561.8, 9935796)	7708	CSp-OIII_C3-86-0042_-0.58_-77.86
## 1868.1	(849561.8, 9935796)	7710	CSp-OIII_C3-86-0045_-0.58_-77.86
## 1872	(849561.8, 9935796)	7716	CSp-OIII_C3-92-0022_-0.58_-77.86
## 1879	(905295.5, 9936870)	7738	CSp-OIII_D3-100-0026_-0.57_-77.36
## 1911	(602374, 9948044)	9244	PM3-P230_-0.47_-80.08
## 1952	(572327.2, 9941415)	11410	PN8-P059_-0.53_-80.35
## 1954	(573439.7, 9939204)	11412	PN8-P061_-0.55_-80.34
## 1973	(767120.9, 9926986)	2204	CSp-?III_C4-100-0017_-0.66_-78.6
## 1989	(713676.9, 9934750)	2323	CSp-NIII_D4-88-0030_-0.59_-79.08
## 1994	(735940.1, 9923682)	2334	CSp-?III_E1-81-0004_-0.69_-78.88
## 1996	(735939.6, 9922576)	2336	CSp-?III_E1-81-0007_-0.7_-78.88
## 1998	(744847.8, 9923678)	2338	CSp-?III_E1-81-0011_-0.69_-78.8
## 1998.1	(744847.8, 9923678)	2338	CSp-?III_E1-81-0011_-0.69_-78.8
## 1999	(744847.8, 9923678)	2339	CSp-?III_E1-81-0014_-0.69_-78.8
## 2001	(735941.1, 9925894)	2342	CSp-?III_E1-81-0022_-0.67_-78.88
## 2021	(767119.9, 9924773)	2413	CSp-?III_E2-84-0054_-0.68_-78.6
## 2015	(764891.5, 9922562)	2403	CSp-?III_E2-84-0016_-0.7_-78.62
## 2029	(718125.6, 9922583)	2573	CSp-NIII_F2-87-0075_-0.7_-79.04
## 2034	(708105.9, 9922587)	2579	CSp-NIII_F2-87-0097_-0.7_-79.13
## 2039	(850675.5, 9934688)	7699	CSp-OIII_C3-83-0040_-0.59_-77.85
## 2045	(843986.9, 9930264)	7719	CSp-OIII_C3-93-0012_-0.63_-77.91
## 2064	(862927.4, 9923610)	7796	CSp-OIII_E2-92-0030_-0.69_-77.74
## 2062	(861811.4, 9921396)	7785	CSp-OIII_E2-83-0029_-0.71_-77.75
## 2069	(878529.7, 9921384)	7801	CSp-OIII_E2-92-0051_-0.71_-77.6
## 2064.1	(862927.4, 9923610)	7796	CSp-OIII_E2-92-0030_-0.69_-77.74
## 2070	(862927.4, 9923610)	7803	CSp-OIII_E2-92-0053_-0.69_-77.74
## 2101	(565648.7, 9923730)	8882	PM2-P074_-0.69_-80.41
## 2110	(570099.7, 9924835)	9318	PM4-P077_-0.68_-80.37
## 2113	(561198.6, 9931468)	9321	PM4-P080_-0.62_-80.45
## 2131	(671373.3, 9928129)	9982	PN2-P175_-0.65_-79.46
## 2131.1	(671373.3, 9928129)	9982	PN2-P175_-0.65_-79.46
## 2132	(671373.3, 9928129)	9983	PN2-P176_-0.65_-79.46
## 2135	(696973.2, 9921486)	10735	PN5-P185_-0.71_-79.23
## 2145	(600144.6, 9924830)	11039	PN6-P209_-0.68_-80.1
## 2153	(591243.8, 9934781)	11562	PN8-P221_-0.59_-80.18
## 2162	(737045.9, 9908196)	2356	CSp-?III_E1-81-0043_-0.83_-78.87
## 2162.1	(737045.9, 9908196)	2356	CSp-?III_E1-81-0043_-0.83_-78.87
## 2163	(737045.9, 9908196)	2357	CSp-?III_E1-81-0044_-0.83_-78.87
## 2168	(732595.2, 9913729)	2363	CSp-?III_E1-82-0018_-0.78_-78.91
## 2168.1	(732595.2, 9913729)	2363	CSp-?III_E1-82-0018_-0.78_-78.91
## 2169	(732595.2, 9913729)	2364	CSp-?III_E1-82-0019_-0.78_-78.91

## 2179	(737048.2, 9912620)	2378	CSp-?III_E1-83-0009_-0.79_-78.87
## 2178	(737049.4, 9914833)	2377	CSp-?III_E1-83-0008_-0.77_-78.87
## 2182	(738162.2, 9913726)	2381	CSp-?III_E1-83-0014_-0.78_-78.86
## 2162.2	(737045.9, 9908196)	2356	CSp-?III_E1-81-0043_-0.83_-78.87
## 2163.1	(737045.9, 9908196)	2357	CSp-?III_E1-81-0044_-0.83_-78.87
## 2164	(737045.9, 9908196)	2358	CSp-?III_E1-81-0045_-0.83_-78.87
## 2187	(738165, 9919256)	2386	CSp-?III_E1-83-0020_-0.73_-78.86
## 2162.3	(737045.9, 9908196)	2356	CSp-?III_E1-81-0043_-0.83_-78.87
## 2163.2	(737045.9, 9908196)	2357	CSp-?III_E1-81-0044_-0.83_-78.87
## 2164.1	(737045.9, 9908196)	2358	CSp-?III_E1-81-0045_-0.83_-78.87
## 2184	(737045.9, 9908196)	2383	CSp-?III_E1-83-0016_-0.83_-78.87
## 2174	(735938.1, 9919257)	2372	CSp-?III_E1-83-0002_-0.73_-78.88
## 2179.1	(737048.2, 9912620)	2378	CSp-?III_E1-83-0009_-0.79_-78.87
## 2180	(737048.2, 9912620)	2379	CSp-?III_E1-83-0010_-0.79_-78.87
## 2212	(759315.6, 9908184)	2426	CSp-?III_E2-85-0005_-0.83_-78.67
## 2229	(731478.4, 9907093)	2469	CSp-?III_E3-88-0015_-0.84_-78.92
## 2229.1	(731478.4, 9907093)	2469	CSp-?III_E3-88-0015_-0.84_-78.92
## 2230	(731478.4, 9907093)	2470	CSp-?III_E3-88-0016_-0.84_-78.92
## 2237	(770450.9, 9907071)	2543	CSp-?III_E4-99-0034_-0.84_-78.57
## 2247	(701421.4, 9910426)	2563	CSp-NIII_F2-82-0012_-0.81_-79.19
## 2252	(708104.6, 9919270)	2568	CSp-NIII_F2-82-0026_-0.73_-79.13
## 2275	(858466.5, 9919185)	7768	CSp-OIII_E1-83-0050_-0.73_-77.78
## 2282	(855115.7, 9909224)	7780	CSp-OIII_E1-93-0040_-0.82_-77.81
## 2273	(858459.8, 9910328)	7764	CSp-OIII_E1-83-0035_-0.81_-77.78
## 2273.1	(858459.8, 9910328)	7764	CSp-OIII_E1-83-0035_-0.81_-77.78
## 2285	(858459.8, 9910328)	7783	CSp-OIII_E1-93-0043_-0.81_-77.78
## 2287	(888560.2, 9919162)	7786	CSp-OIII_E2-83-0045_-0.73_-77.51
## 2292	(880752, 9912524)	7792	CSp-OIII_E2-86-0048_-0.79_-77.58
## 2297	(870726.7, 9920283)	7808	CSp-OIII_E2-93-0036_-0.72_-77.67
## 2300	(868496.8, 9919177)	7812	CSp-OIII_E2-93-0050_-0.73_-77.69
## 2302	(855113.9, 9907010)	7822	CSp-OIII_E3-83-0038_-0.84_-77.81
## 2308	(890788, 9916946)	7903	CSp-OIII_F1-100-0015_-0.75_-77.49
## 2308.1	(890788, 9916946)	7903	CSp-OIII_F1-100-0015_-0.75_-77.49
## 2309	(890788, 9916946)	7904	CSp-OIII_F1-100-0016_-0.75_-77.49
## 2323	(894126.7, 9910298)	7922	CSp-OIII_F1-94-0018_-0.81_-77.46
## 2339	(966620.1, 9915770)	8549	CSp-PIII_E1-87-0020_-0.76_-76.81
## 2357	(563422.2, 9915993)	9301	PM4-P063_-0.76_-80.43
## 2360	(570098.7, 9917097)	9306	PM4-P068_-0.75_-80.37
## 2349	(564535.1, 9917098)	8872	PM2-P064_-0.75_-80.42
## 2367	(675823.1, 9920388)	9430	PM4-P193_-0.72_-79.42
## 2366	(574549.9, 9919307)	9316	PM4-P076_-0.73_-80.33
## 2380	(594577.4, 9908250)	10181	PN3-P081_-0.83_-80.15
## 2418	(661343.5, 9893857)	106	CG1-P081_-0.96_-79.55
## 2433	(650215.1, 9896073)	349	CG2-P102_-0.94_-79.65
## 2442	(645762.2, 9892758)	783	CG4-P106_-0.97_-79.69
## 2450	(634633.2, 9891656)	984	CG5-P070_-0.98_-79.79
## 2463	(750398.5, 9893809)	2459	CSp-?III_E3-87-0026_-0.96_-78.75
## 2480	(759308.7, 9897121)	2489	CSp-?III_E4-88-0037_-0.93_-78.67
## 2493	(772676.1, 9903750)	2509	CSp-?III_E4-91-0032_-0.87_-78.55
## 2504	(770442.8, 9894901)	2529	CSp-?III_E4-99-0015_-0.95_-78.57
## 2508	(768220.8, 9902647)	2534	CSp-?III_E4-99-0023_-0.88_-78.59
## 2512	(765993.6, 9902648)	2538	CSp-?III_E4-99-0027_-0.88_-78.61
## 2525	(709211.3, 9904893)	2607	CSp-NIII_F4-87-0093_-0.86_-79.12
## 2533	(853985.9, 9891512)	7819	CSp-OIII_E3-83-0032_-0.98_-77.82

## 2541	(858448.4, 9897043)	7836	CSp-OIII_E3-86-0034_-0.93_-77.78
## 2548	(850646.1, 9894836)	7848	CSp-OIII_E3-92-0027_-0.95_-77.85
## 2556	(845071.7, 9891521)	7866	CSp-OIII_E3-93-0026_-0.98_-77.9
## 2568	(856215.6, 9892617)	7878	CSp-OIII_E3-93-0060_-0.97_-77.8
## 2574	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
## 2573	(887422.6, 9893694)	7887	CSp-OIII_E4-89-0025_-0.96_-77.52
## 2574.1	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
## 2575	(889650.8, 9892584)	7889	CSp-OIII_E4-89-0027_-0.97_-77.5
## 2585	(901914.3, 9893679)	7940	CSp-OIII_F3-100-0035_-0.96_-77.39
## 2574.2	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
## 2575.1	(889650.8, 9892584)	7889	CSp-OIII_E4-89-0027_-0.97_-77.5
## 2579	(889650.8, 9892584)	7895	CSp-OIII_E4-89-0041_-0.97_-77.5
## 2574.3	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
## 2575.2	(889650.8, 9892584)	7889	CSp-OIII_E4-89-0027_-0.97_-77.5
## 2579.1	(889650.8, 9892584)	7895	CSp-OIII_E4-89-0041_-0.97_-77.5
## 2591	(889650.8, 9892584)	7948	CSp-OIII_F3-85-0034_-0.97_-77.5
## 2574.4	(889650.8, 9892584)	7888	CSp-OIII_E4-89-0026_-0.97_-77.5
##	OCSKGM30	DEM	Analytical Slope Aspect Crosssecti
## 3	8.2082329	98.83328	1.0300838 1.5696157 4.74190569 1.917163e+04
## 3.1	8.2082329	98.83328	1.0300838 1.5696157 4.74190569 1.917163e+04
## 4	7.8423567	98.83328	1.0300838 1.5696157 4.74190569 1.917163e+04
## 2	4.5810347	42.97224	1.3628571 1.5691561 0.48955569 -2.002160e+04
## 11	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 11.1	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 12	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 11.2	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 12.1	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 13	2.1147873	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 11.3	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 12.2	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 13.1	2.1147873	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 14	4.6297841	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 11.4	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 12.3	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 13.2	2.1147873	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 14.1	4.6297841	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 15	4.0245904	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 17	2.3533018	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 11.5	5.9196811	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 12.4	14.5421086	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 13.3	2.1147873	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 14.2	4.6297841	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 15.1	4.0245904	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 16	5.3661583	14.61111	0.8248896 1.5692999 5.78384018 -2.183496e+03
## 17.1	2.3533018	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 18	6.0021532	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 17.2	2.3533018	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 18.1	6.0021532	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 21	1.0827173	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 17.3	2.3533018	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 18.2	6.0021532	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 21.1	1.0827173	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 22	5.1846438	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04
## 17.4	2.3533018	35.61113	1.0092312 1.5698624 6.21619940 -2.423051e+04



## 18.3	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 21.2	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 22.1	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 23	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 17.5	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 18.4	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 21.3	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 22.2	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 23.1	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 24	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 17.6	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 18.5	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 21.4	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 22.3	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 23.2	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 24.1	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 25	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 17.7	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 18.6	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 21.5	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 22.4	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 23.3	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 24.2	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 25.1	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 26	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 17.8	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 18.7	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 21.6	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 22.5	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 23.4	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 24.3	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 25.2	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 26.1	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 27	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 17.9	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 18.8	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 21.7	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 22.6	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 23.5	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 24.4	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 25.3	4.6135346					

##	29	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.11	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.10	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.9	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.8	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.7	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.6	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.5	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.4	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.3	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.2	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.1	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.12	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.11	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.10	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.9	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.8	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.7	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.6	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.5	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.4	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.3	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.2	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.1	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.13	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.12	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.11	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.10	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.9	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.8	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.7	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.6	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.5	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.4	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.3	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.2	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.1	11.2874156	35.61113	1.009231			

##	33	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.15	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.14	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.13	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.12	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.11	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.10	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.9	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.8	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.7	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.6	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.5	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.4	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.3	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	32.2	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	33.1	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	34	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.16	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.15	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.14	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.13	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.12	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.11	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.10	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.9	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.8	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.7	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.6	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.5	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.4	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	32.3	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	33.2	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	34.1	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	35	4.7435598	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.17	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.16	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.15	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.14	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.13	6.9418816	35.61113				

##	21.16	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.15	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.14	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.13	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.12	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.11	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.10	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.9	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.8	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.7	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.6	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	32.5	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	33.4	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	34.3	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	35.2	4.7435598	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	36.1	5.2010922	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	37	2.9507708	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.19	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.18	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	21.17	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	22.16	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	23.15	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	24.14	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	25.13	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	26.12	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	27.11	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	28.10	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	29.9	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	30.8	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	31.7	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	32.6	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	33.5	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	34.4	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	35.3	4.7435598	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	36.2	5.2010922	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	37.1	2.9507708	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	38	2.0745659	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	17.20	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
##	18.19	6.0021532	35.61113				

## 36.3	5.2010922	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 37.2	2.9507708	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 38.1	2.0745659	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 39	5.7335492	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 17.21	2.3533018	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 18.20	6.0021532	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 21.19	1.0827173	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 22.18	5.1846438	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 23.17	6.9418816	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 24.16	2.6103302	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 25.15	4.6135346	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 26.14	8.4406508	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 27.13	2.0097038	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 28.12	8.6965040	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 29.11	23.8141664	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 30.10	23.3616739	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 31.9	11.2874156	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 32.8	16.1017897	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 33.7	6.7876517	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 34.6	3.9245837	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 35.5	4.7435598	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 36.4	5.2010922	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 37.3	2.9507708	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 38.2	2.0745659	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 39.1	5.7335492	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 41	3.0885256	35.61113	1.0092312	1.5698624	6.21619940	-2.423051e+04
## 10	3.9513387	19.69443	0.8907584	1.5651243	5.01969051	-2.805492e+04
## 50	2.9507708	136.47227	1.3227657	1.5691884	0.43126142	2.058091e+04
## 51	1.9358258	117.66673	1.0440954	1.5701784	6.27802229	4.469379e+04
## 58	3.6272471	97.49966	1.3672802	1.5706034	4.21681547	-7.681320e+03
## 44	6.7168964	19.44444	2.2328644	1.5673132	2.87126541	6.746060e+03
## 49	3.8573874	14.86113	1.2849993	1.5662940	0.37652797	-8.216009e+03
## 9	1.3502413	26.13886	1.3879594	1.5675535	4.18620586	-1.337144e+04
## 58.1	3.6272471	97.49966	1.3672802	1.5706034	4.21681547	-7.681320e+03
## 59	0.8219964	97.49966	1.3672802	1.5706034	4.21681547	-7.681320e+03
## 74	3.9513387	79.52788	1.7000700	1.5701430	0.96890146	-4.599760e+04
## 76	5.5157063	31.47228	1.4178247	1.5695195	0.56852955	2.811896e+04
## 88	2.8492144	85.80569	1.0699503	1.5705273	0.03900867	3.314464e+04
## 83	7.4705410	56.75003	1.0928071	1.5701865	0.07731570	8.450585e+03
## 89	2.8492144	49.66675	2.3250313	1.5703834	2.10437059	2.121559e+04
## 79	2.6587536	63.94434	1.9472758	1.5702595	3.38006020	9.935676e+04
## 76.1	5.5157063	31.47228	1.4178247	1.5695195	0.56852955	2.811896e+04
## 77	5.6327274	31.47228	1.4178247	1.5695195	0.56852955	2.811896e+04
## 73	5.7234450	68.50006	1.7986813	1.5698025	1.11085773	-8.477005e+04
## 72	3.9212346	103.11126	1.8704662	1.5703511	1.21619379	8.720246e+03
## 71	4.2093111	58.50012	1.6210510	1.5703014	0.85662299	4.501234e+04
## 96	1.8419688	28.69449	1.9967535	1.5690175	1.41001594	-6.036021e+04
## 74.1	3.9513387	79.52788	1.7000700	1.5701430	0.96890146	-4.599760e+04
## 75	4.5810347	79.52788	1.7000700	1.5701430	0.96890146	-4.599760e+04
## 104	1.5169744	25.88877	1.0471065	1.5703472	4.71238804	-2.027687e+05
## 119	2.6587536	79.77789	2.1204827	1.5699017	1.61703753	-3.675564e+04
## 129	17.8948933	4146.07624	2.2518082	1.5707542	2.82883286	2.416973e+05
## 128	3.7454118	2898.63897	1.2575283	1.5702420	0.33460614	-6.290164e+04
## 122	1.5802411	3014.26854	2.2213509	1.5699668	2.89816427	0.000000e+00

## 142	2.3172366	101.24975	1.0861249	1.5705844	4.64628553	-2.465313e+05
## 150	2.5073419	148.16669	0.9132605	1.5696124	4.97020435	-2.827596e+05
## 121	2.2164050	38.63891	0.5475404	0.1193639	6.28318548	-3.512160e+05
## 167	4.0742901	68.02764	1.0364175	0.0844847	1.57079637	-3.573310e+04
## 121.1	2.2164050	38.63891	0.5475404	0.1193639	6.28318548	-3.512160e+05
## 154	6.8618726	38.63891	0.5475404	0.1193639	6.28318548	-3.512160e+05
## 142.1	2.3172366	101.24975	1.0861249	1.5705844	4.64628553	-2.465313e+05
## 146	1.0466820	101.24975	1.0861249	1.5705844	4.64628553	-2.465313e+05
## 119.1	2.6587536	79.77789	2.1204827	1.5699017	1.61703753	-3.675564e+04
## 120	2.7447010	79.77789	2.1204827	1.5699017	1.61703753	-3.675564e+04
## 177	6.1246991	122.88882	0.9572333	1.5702722	4.87825632	-4.394385e+04
## 174	1.7647700	47.13912	1.4099593	1.5705874	0.55699104	-1.340494e+05
## 175	9.9884518	168.05562	2.3276453	1.5702330	2.11556458	1.930471e+05
## 176	1.2230575	45.69415	0.9358259	1.5706232	4.92207098	2.264985e+04
## 135	5.5774807	760.69436	0.8908767	1.5706608	5.97315311	-5.746823e+05
## 169	10.6602577	117.50006	0.9340921	1.5702140	6.07005835	7.440336e+04
## 196	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 196.1	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 197	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 196.2	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 197.1	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 198	2.3533018	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 196.3	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 197.2	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 198.1	2.3533018	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 199	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 196.4	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 197.3	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 198.2	2.3533018	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 199.1	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 200	4.3042484	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 195	4.4997601	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 206	11.3794370	3229.80630	1.1799679	1.5707525	0.21645732	-1.729882e+04
## 208	16.4301537	3345.22193	0.7855260	1.5707338	5.51472759	5.626323e+05
## 213	19.0533244	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 213.1	19.0533244	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 214	6.2885851	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 213.2	19.0533244	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 214.1	6.2885851	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 215	8.0826800	3054.66737	1.3107605	1.5707411	0.41326660	-5.132302e+05
## 217	20.0709086	3265.27913	1.4469643	1.5707545	0.60983020	5.042083e+04
## 217.1	20.0709086	3265.27913	1.4469643	1.5707545	0.60983020	5.042083e+04
## 218	11.8684528	3265.27913	1.4469643	1.5707545	0.60983020	5.042083e+04
## 231	4.2663750	3242.25063	2.2174058	1.5707101	1.80531073	-4.323666e+05
## 242	17.5120349	3435.61128	1.2225982	1.5705965	0.28190726	2.127212e+05
## 250	19.5132316	3179.72182	1.1209161	1.5706112	4.58929491	-9.771188e+04
## 223	43.1785980	3400.66705	2.3197887	1.5706812	2.08320165	9.241041e+03
## 238	3.4235408	50.22233	2.3506060	1.5703522	2.25133228	-6.179515e+04
## 246	8.7562697	3065.91569	0.9124483	1.5707443	4.97257614	-6.423616e+05
## 246.1	8.7562697	3065.91569	0.9124483	1.5707443	4.97257614	-6.423616e+05
## 260	5.3330566	3065.91569	0.9124483	1.5707443	4.97257614	-6.423616e+05
## 282	42.5965680	3182.55531	0.8576176	1.5706602	5.10856008	-6.958640e+05
## 284	2.4568287	43.30560	2.1772721	1.5700613	1.72318447	-7.086454e+01
## 196.5	6.1178317	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04

## 197.4	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 198.3	2.3533018	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 199.2	4.8705086	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 200.1	4.3042484	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 201	2.9826920	157.38880	0.8205193	1.5705242	5.22940588	-6.518531e+04
## 195.1	4.4997601	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 202	4.6785358	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 238.1	3.4235408	50.22233	2.3506060	1.5703522	2.25133228	-6.179515e+04
## 254	8.6965040	50.22233	2.3506060	1.5703522	2.25133228	-6.179515e+04
## 296	3.4055336	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 237	6.0903851	66.90264	1.3539499	1.5703228	4.23603773	-1.013005e+04
## 296.1	3.4055336	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 297	1.7301223	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 275	24.9009425	3546.11093	2.1847601	1.5707244	2.97467017	-2.778755e+03
## 296.2	3.4055336	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 297.1	1.7301223	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 299	5.0533965	56.22217	2.1557333	1.5705564	3.03086400	-1.157930e+04
## 237.1	6.0903851	66.90264	1.3539499	1.5703228	4.23603773	-1.013005e+04
## 298	1.2479898	66.90264	1.3539499	1.5703228	4.23603773	-1.013005e+04
## 292	5.7337867	17.11106	2.0100286	1.5700356	3.28151679	-1.904102e+04
## 195.2	4.4997601	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 202.1	4.6785358	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 293	2.0391111	93.36125	1.4957613	1.5702547	0.67931879	-5.089811e+04
## 317	2.9906306	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 316	4.4997601	69.36124	2.1190753	1.5705189	1.61429226	1.684060e+05
## 322	4.1073256	1424.27740	0.8584017	1.5706313	5.10633612	-2.212220e+06
## 324	7.3432778	2054.86202	2.3560278	1.5707525	2.33854866	-9.994126e+05
## 329	5.2406099	2465.08278	2.0242069	1.5707506	3.25890398	4.834001e+05
## 337	2.8779355	2775.30562	2.3542857	1.5704035	2.41640925	1.493164e+04
## 355	6.9923033	2759.00004	0.1874305	0.2319479	5.23153496	-3.808514e+04
## 322.1	4.1073256	1424.27740	0.8584017	1.5706313	5.10633612	-2.212220e+06
## 323	11.0125556	1424.27740	0.8584017	1.5706313	5.10633612	-2.212220e+06
## 320	2.8697527	217.61065	1.3968859	1.5706216	4.17416477	3.148788e+05
## 317.1	2.9906306	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 318	3.4235408	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 319	3.7214601	171.27792	1.2725991	1.5705488	0.35698211	-3.079148e+05
## 317.2	2.9906306	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 318.1	3.4235408	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 375	5.6040785	104.97230	1.0471296	1.5705479	6.28315544	-4.286412e+05
## 393	3.1841180	1802.88875	2.2575626	1.5707476	2.81477928	-2.521861e+05
## 316.1	4.4997601	69.36124	2.1190753	1.5705189	1.61429226	1.684060e+05
## 321	4.6785358	69.36124	2.1190753	1.5705189	1.61429226	1.684060e+05
## 381	6.0290485	181.61113	0.8093777	1.5703088	5.71908474	-2.829907e+05
## 399	5.2801879	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 399.1	5.2801879	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 400	5.9298829	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 402	1.5802411	2418.83255	1.4141546	1.5707303	4.14942408	-2.193650e+06
## 408	4.4696915	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 408.1	4.4696915	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 409	2.7712823	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 417	2.8656544	1837.55607	1.2350425	1.5707068	0.30070803	-9.824578e+05
## 411	2.6628716	1936.69515	1.3590424	1.5707275	0.48362365	-7.602645e+05
## 408.2	4.4696915	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 409.1	2.7712823	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06

## 410	2.5490730	2039.66731	1.9109082	1.5706596	1.27673543	-1.255802e+06
## 431	2.2871510	2457.74984	0.8649819	1.5707487	5.90727902	-1.817335e+05
## 435	2.5366510	2277.83476	2.0917511	1.5707507	1.56623960	-3.328573e+05
## 433	1.1939838	2257.24966	0.8389200	1.5707526	5.83080292	-3.333631e+05
## 427	3.3645585	2728.86102	0.9101852	1.5707114	6.01794720	2.555283e+05
## 447	11.2565541	2021.77876	2.1455488	1.5707366	1.66239154	-8.343934e+05
## 449	10.7886242	1815.36176	2.3552334	1.5707482	2.31261230	-7.944356e+05
## 465	3.0064590	2288.36006	1.1900200	1.5707455	4.48037291	4.612667e+05
## 470	13.1649706	2918.99894	1.7782747	1.5707487	3.63137388	-8.867491e+04
## 460	1.9497561	1961.22099	1.0320371	1.5707519	4.73886967	-4.729130e+05
## 479	2.4752950	1720.49958	1.1428678	1.5706127	4.55413437	-8.881061e+05
## 402.1	1.5802411	2418.83255	1.4141546	1.5707303	4.14942408	-2.193650e+06
## 403	4.6785358	2418.83255	1.4141546	1.5707303	4.14942408	-2.193650e+06
## 502	2.5231323	2154.47270	1.1296989	1.5707200	0.13719620	-2.895214e+05
## 502.1	2.5231323	2154.47270	1.1296989	1.5707200	0.13719620	-2.895214e+05
## 503	3.3892738	2154.47270	1.1296989	1.5707200	0.13719620	-2.895214e+05
## 497	11.0517780	181.61078	1.5640720	1.5705905	3.93644905	-2.567902e+05
## 514	3.9111807	2328.80468	0.8327015	1.5707527	5.18534184	3.695043e+05
## 507	4.4834973	183.05563	2.3352354	1.5705482	2.56205869	-3.260638e+05
## 399.2	5.2801879	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 400.1	5.9298829	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 401	6.6111852	47.99997	1.9518088	1.5698605	3.37295437	-6.661059e+04
## 497.1	11.0517780	181.61078	1.5640720	1.5705905	3.93644905	-2.567902e+05
## 508	7.7877633	181.61078	1.5640720	1.5705905	3.93644905	-2.567902e+05
## 495	16.0017025	281.47208	2.2275963	1.5707253	2.88478994	2.445289e+05
## 572	4.4070343	715.52783	1.0469432	1.5698675	6.28307295	-2.443114e+04
## 574	8.0020066	828.05548	0.8264450	1.5703969	5.78856039	-9.847287e+04
## 574.1	8.0020066	828.05548	0.8264450	1.5703969	5.78856039	-9.847287e+04
## 575	4.5880454	828.05548	0.8264450	1.5703969	5.78856039	-9.847287e+04
## 579	10.4300509	1001.22388	1.9419904	1.5707465	1.32406020	-9.937048e+05
## 579.1	10.4300509	1001.22388	1.9419904	1.5707465	1.32406020	-9.937048e+05
## 582	0.5639476	1001.22388	1.9419904	1.5707465	1.32406020	-9.937048e+05
## 586	10.9000363	750.61136	2.3304493	1.5706029	2.12755060	-1.761928e+05
## 572.1	4.4070343	715.52783	1.0469432	1.5698675	6.28307295	-2.443114e+04
## 573	8.4151903	715.52783	1.0469432	1.5698675	6.28307295	-2.443114e+04
## 599	1.0682878	271.41662	2.0534725	1.5699842	3.21067285	-3.101301e+04
## 612	3.6456713	2730.13879	1.4544024	1.5702138	4.09182501	-5.325033e+05
## 617	7.5910136	285.61099	0.8861677	1.5703441	5.03366518	-1.077546e+05
## 616	4.0591139	2388.55517	0.9704584	1.5707288	4.85245895	5.270497e+04
## 641	5.4464857	2545.61094	0.7989460	1.5707104	5.66326761	6.546308e+04
## 662	9.1982170	2756.13822	1.4486153	1.5707010	4.10019207	4.099913e+05
## 668	10.0588343	968.91615	2.0164940	1.5707244	3.27134919	-2.145948e+04
## 678	2.3533018	436.05566	1.4869481	1.5703336	0.66679567	-6.551176e+04
## 677	17.9450116	128.91664	0.9600664	1.5693042	4.87221766	2.036412e+04
## 647	1.1355989	116.19450	2.1063521	1.5695173	1.59211576	5.007341e+04
## 700	2.5705452	31.16660	0.7993127	1.5703784	5.32956886	-1.277997e+05
## 704	0.9525048	771.16684	2.1901844	1.5705465	1.74867368	5.132593e+05
## 709	3.9358003	420.66649	0.8055854	1.5704588	5.29508400	-1.567906e+05
## 732	4.3613730	393.38900	2.3561027	1.5705051	2.36237264	-1.670643e+03
## 806	9.8575126	554.11116	1.0838751	1.5703343	0.06244076	-9.335362e+04
## 700.1	2.5705452	31.16660	0.7993127	1.5703784	5.32956886	-1.277997e+05
## 701	5.0796001	31.16660	0.7993127	1.5703784	5.32956886	-1.277997e+05
## 851	11.9792946	3430.72185	0.7977933	1.5707445	5.65596867	1.012356e+06
## 859	1.8292145	141.08336	2.3275702	1.5594716	2.58558488	-2.008048e+04



## 887	2.7391874	550.83237	1.7482742	1.5707210	3.67462563	2.287786e+05
## 894	10.6371109	899.99950	0.8443977	1.5706989	5.14748859	8.206632e+05
## 896	11.6925408	684.49991	0.8621103	1.5707396	5.89946079	3.090758e+05
## 899	3.5220971	438.88867	1.7983178	1.5705086	3.60224581	-2.188060e+05
## 901	3.6657163	419.33348	2.3532915	1.5706201	2.28050304	-1.064914e+05
## 910	4.7520151	536.00029	2.3558602	1.5707031	2.33125544	1.872923e+05
## 894.1	10.6371109	899.99950	0.8443977	1.5706989	5.14748859	8.206632e+05
## 900	1.8671534	899.99950	0.8443977	1.5706989	5.14748859	8.206632e+05
## 917	4.0858610	384.41661	1.1814910	1.5686898	4.49295759	-7.506017e+03
## 926	2.4811119	430.55548	2.2117417	1.5705110	2.91910577	1.180633e+04
## 892	3.3419617	421.22249	1.7765845	1.5705478	1.07862282	-6.970697e+04
## 945	8.0238706	512.22226	2.3043008	1.5699198	2.68321872	-2.897576e+05
## 937	4.8280203	544.52821	1.8508220	1.5706381	1.18700767	-7.196969e+03
## 908	5.3340361	558.52787	2.3514409	1.5704240	2.25949597	-6.361582e+03
## 958	1.7501662	394.58335	1.5848658	1.5683085	0.80591810	3.004060e+04
## 971	2.9032447	277.24997	2.0105379	1.5693883	3.28049779	-4.846219e+04
## 985	10.3735722	1688.36130	0.9822158	1.5707036	6.16569185	1.823313e+05
## 1019	2.5558374	2952.97285	1.3490834	1.5707263	0.46918535	5.741410e+05
## 1039	8.0073379	1611.91613	1.6813487	1.5707102	3.77030253	8.857459e+04
## 1017	4.7400917	3029.69394	1.9434172	1.5707279	3.38613200	6.308663e+05
## 1097	12.6684112	547.36089	0.9141514	1.5705506	4.96869087	2.708062e+04
## 1135	6.7526023	760.33281	1.0542103	1.5706860	4.70025253	3.221200e+04
## 1135.1	6.7526023	760.33281	1.0542103	1.5706860	4.70025253	3.221200e+04
## 1136	1.5698335	760.33281	1.0542103	1.5706860	4.70025253	3.221200e+04
## 1139	4.7741738	1781.91650	1.3735085	1.5705544	4.20780706	6.656044e+05
## 1139.1	4.7741738	1781.91650	1.3735085	1.5705544	4.20780706	6.656044e+05
## 1140	8.4086830	1781.91650	1.3735085	1.5705544	4.20780706	6.656044e+05
## 1145	10.2543005	669.36068	1.2227006	1.5706290	4.43033552	-1.173372e+05
## 1143	7.4471780	722.94436	0.8122062	1.5705993	5.73161507	-7.780537e+04
## 1145.1	10.2543005	669.36068	1.2227006	1.5706290	4.43033552	-1.173372e+05
## 1146	8.5516091	669.36068	1.2227006	1.5706290	4.43033552	-1.173372e+05
## 1138	6.6899390	690.41618	1.5673950	1.5706695	3.93176937	8.383013e+04
## 1167	10.8929458	1448.22294	2.3559608	1.5707581	2.33502316	-4.640024e+05
## 1173	12.6745266	1126.66709	1.2704883	1.5706322	0.35382107	6.646714e+05
## 1175	11.7142073	548.11142	2.2255173	1.5706164	1.82305026	-1.423862e+05
## 1178	10.4865688	585.36161	1.9948016	1.5706300	1.40642357	9.931770e+04
## 1217	4.1139240	187.55534	0.8029230	1.5707130	5.68620586	2.760629e+04
## 1211	5.2027376	211.47222	2.3254337	1.5702524	2.60621643	-2.275655e+04
## 1131	4.1073256	2553.33355	2.3469450	1.5706677	2.22000146	5.466270e+04
## 1250	5.9298829	41.68052	0.7855887	1.5705593	5.52013969	-7.683655e+04
## 1253	4.6817863	41.18511	0.8414762	1.5705755	5.15649843	3.619558e+03
## 1268	3.5338794	2237.94452	0.7939363	1.5705152	5.62937164	-2.878964e+05
## 1248	8.2661149	180.63890	1.1079775	1.5685093	0.10276884	2.336541e+03
## 1249	3.4432791	207.72224	1.2427826	1.5684277	0.31300834	-1.982131e+04
## 1216	3.5303532	126.44433	1.0470759	1.5703511	4.71244240	-1.968583e+05
## 1216.1	3.5303532	126.44433	1.0470759	1.5703511	4.71244240	-1.968583e+05
## 1280	9.4971216	126.44433	1.0470759	1.5703511	4.71244240	-1.968583e+05
## 1266	7.0030301	2664.74949	0.8949482	1.5707090	5.01273918	5.772547e+04
## 1293	6.4443734	1171.66649	1.9804305	1.5706919	3.32865238	-1.118016e+05
## 1295	11.1390116	1890.91721	1.5393338	1.5706915	0.74092227	-7.687173e+05
## 1295.1	11.1390116	1890.91721	1.5393338	1.5706915	0.74092227	-7.687173e+05
## 1296	8.3279456	1890.91721	1.5393338	1.5706915	0.74092227	-7.687173e+05
## 1305	6.8196430	1090.66667	0.9495412	1.5706230	6.10172033	-7.918381e+05
## 1308	4.4524392	2068.13873	0.7902777	1.5706835	5.59702015	-1.000241e+05

```

## 1308.1 4.4524392 2068.13873 0.7902777 1.5706835 5.59702015 -1.000241e+05
## 1309 10.9213956 2068.13873 0.7902777 1.5706835 5.59702015 -1.000241e+05
## 1311 20.2840844 1969.55575 1.1237321 1.5706661 0.12761954 6.441633e+05
## 1315 15.2549160 1953.47198 2.1243472 1.5707427 3.08873010 -1.159900e+06
## 1315.1 15.2549160 1953.47198 2.1243472 1.5707427 3.08873010 -1.159900e+06
## 1316 14.0092500 1953.47198 2.1243472 1.5707427 3.08873010 -1.159900e+06
## 1318 1.3359939 1020.94397 0.8847912 1.5706836 5.03723431 -7.635997e+05
## 1320 5.6437078 938.83326 0.8297625 1.5705400 5.80026197 -4.938511e+05
## 1315.2 15.2549160 1953.47198 2.1243472 1.5707427 3.08873010 -1.159900e+06
## 1316.1 14.0092500 1953.47198 2.1243472 1.5707427 3.08873010 -1.159900e+06
## 1317 10.0524043 1953.47198 2.1243472 1.5707427 3.08873010 -1.159900e+06
## 1327 10.8946966 1677.30533 1.9253095 1.5706453 3.41380048 -8.920707e+05
## 1341 4.2023311 901.27751 0.9517945 1.5706305 4.88930559 8.577666e+04
## 1345 10.6317736 900.02740 1.2772003 1.5706302 4.34859705 3.106095e+05
## 1350 21.9970889 880.47270 1.1395508 1.5707318 0.15294042 2.489454e+05
## 1408 3.9796947 2681.77869 2.1575165 1.5707294 1.68482697 -3.004975e+05
## 1438 5.2504986 116.86124 1.2093282 1.5705993 0.26170188 -1.826952e+05
## 1443 2.7447010 134.05514 0.8749967 1.5706863 5.06186867 -3.925135e+05
## 1443.1 2.7447010 134.05514 0.8749967 1.5706863 5.06186867 -3.925135e+05
## 1444 2.7447010 134.05514 0.8749967 1.5706863 5.06186867 -3.925135e+05
## 1290 2.7447010 230.16645 1.8844084 1.5704668 3.47543907 -1.781208e+05
## 1465 10.8382012 255.30528 1.4470658 1.5705664 4.10236597 2.070236e+05
## 1474 2.3244676 2614.25117 2.2119360 1.5707481 1.79358518 1.589230e+05
## 1474.1 2.3244676 2614.25117 2.2119360 1.5707481 1.79358518 1.589230e+05
## 1475 4.4932554 2614.25117 2.2119360 1.5707481 1.79358518 1.589230e+05
## 1485 4.3988596 3419.13820 0.8037204 1.5707470 5.30512857 -2.667964e+04
## 1503 5.7537725 237.19439 1.3578441 1.5696124 4.23020887 -2.252564e+04
## 1506 2.1685532 216.08334 0.7876188 1.5674645 5.57598257 1.172505e+04
## 1509 12.4839900 3149.24969 1.8087415 1.5706873 3.58711910 5.964769e+05
## 1533 4.8714109 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1533.1 4.8714109 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1534 7.2109712 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1533.2 4.8714109 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1534.1 7.2109712 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1537 9.7746199 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1533.3 4.8714109 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1534.2 7.2109712 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1537.1 9.7746199 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1539 9.8439840 886.16629 0.9205795 1.5706445 4.95460653 -2.127678e+05
## 1545 8.5104321 837.55548 0.8343621 1.5705693 5.81598616 -3.781595e+05
## 1545.1 8.5104321 837.55548 0.8343621 1.5705693 5.81598616 -3.781595e+05
## 1546 6.8312645 837.55548 0.8343621 1.5705693 5.81598616 -3.781595e+05
## 1548 5.4221842 860.77787 0.9511679 1.5706203 6.10500956 -3.918424e+05
## 1552 8.9029797 1342.77821 1.8089261 1.5706794 1.12554109 6.464988e+05
## 1552.1 8.9029797 1342.77821 1.8089261 1.5706794 1.12554109 6.464988e+05
## 1557 4.7956727 1342.77821 1.8089261 1.5706794 1.12554109 6.464988e+05
## 1571 6.7028382 330.88882 1.0298382 1.5699371 4.74245691 -1.183959e+05
## 1580 4.1519931 2619.50145 1.5560995 1.5707538 0.76462358 -8.300134e+05
## 1570 3.0635251 337.58327 1.3133974 1.5699339 4.29503918 -1.653987e+05
## 1584 19.4797680 2773.94298 1.7900122 1.5707589 3.61437321 -1.217885e+06
## 1584.1 19.4797680 2773.94298 1.7900122 1.5707589 3.61437321 -1.217885e+06
## 1606 5.3042028 2773.94298 1.7900122 1.5707589 3.61437321 -1.217885e+06
## 1609 5.3357527 415.08299 0.9703603 1.5706309 4.85260868 -9.649234e+04
## 1612 3.4881111 1934.25004 0.9195719 1.5706176 6.03878355 1.251059e+06

```

## 1624	7.5970543	1900.35996	1.1651433	1.5707382	4.51903820	-4.051143e+05
## 1629	12.1295530	1885.38813	0.8406444	1.5707332	5.15924692	-2.132453e+05
## 1631	10.8366383	1813.33340	0.8353984	1.5707031	5.81933451	-1.365690e+05
## 1642	3.3883495	267.72218	1.2662928	1.5685217	4.36423016	7.473819e+03
## 1663	5.1781064	269.66667	2.2578094	1.5592278	1.90478587	-1.460910e+04
## 1702	11.6358568	2972.22244	1.2614082	1.5706061	0.34030014	-4.617413e+05
## 1700	8.2567727	2717.08331	0.8399568	1.5706266	5.83422041	-8.324143e+04
## 1719	10.6797950	230.80553	1.8994486	1.5690809	3.45249343	-3.241561e+04
## 1719.1	10.6797950	230.80553	1.8994486	1.5690809	3.45249343	-3.241561e+04
## 1720	5.4325023	230.80553	1.8994486	1.5690809	3.45249343	-3.241561e+04
## 1731	6.1780006	360.11111	0.8220407	1.5706229	5.77195454	1.431624e+05
## 1742	5.6360803	235.91705	1.5005826	1.5706736	0.68604988	-1.066215e+05
## 1698	5.9605191	163.02782	2.3489313	1.5700901	2.47553802	-2.345316e+04
## 1749	3.9212346	187.94442	2.0924127	1.5610880	3.14159274	2.475597e+04
## 1741	5.9298829	158.72193	1.4140309	0.1881363	2.67794514	-1.572079e+05
## 1768	4.3988596	2606.30557	0.9297808	1.5706476	6.06075287	-4.709083e+05
## 1807	1.7547826	172.83324	0.8183056	1.5704510	5.23810196	-1.160356e+05
## 1771	4.3988596	182.58329	1.0322675	1.5697675	4.73810577	2.009327e+05
## 1814	0.6639096	1808.38901	1.6916350	1.5705403	0.95677602	-1.874545e+06
## 1830	10.3617221	2117.94400	1.8917608	1.5707208	3.46450090	-9.611436e+03
## 1848	7.9608207	852.61091	2.1512048	1.5707105	3.03944063	-1.188819e+06
## 1853	7.4149437	1882.86134	1.1172553	1.5706871	0.11714973	-1.023270e+06
## 1863	3.3416831	1979.86100	0.9836474	1.5703875	4.82704020	-2.883605e+05
## 1862	9.1810918	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1862.1	9.1810918	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1867	5.1315388	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1865	8.2980062	1975.77825	1.9910572	1.5705929	1.40050769	-1.682645e+05
## 1862.2	9.1810918	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1867.1	5.1315388	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1868	13.8186330	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1862.3	9.1810918	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1867.2	5.1315388	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1868.1	13.8186330	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1872	13.0834609	2010.66625	1.2432836	1.5706601	4.39925384	-1.774562e+05
## 1879	3.2497910	580.11150	1.7666190	1.5706482	1.06420159	6.835240e+04
## 1911	3.5952590	205.66662	0.7970957	1.5702810	5.65217686	-7.576523e+04
## 1952	1.3838558	57.52783	1.0467355	1.5691062	6.28298283	-9.731697e+04
## 1954	3.9245837	140.72255	1.3327672	1.5706860	0.44546226	4.979077e+04
## 1973	6.2988724	3450.27783	2.3151295	1.5706748	2.64657855	4.508346e+04
## 1989	9.1264922	1736.00036	1.5553799	1.5706519	0.76363128	7.960582e+05
## 1994	2.9898360	2659.36202	1.8540676	1.5707277	1.19177842	-3.761834e+05
## 1996	1.1984197	2708.88970	1.8915608	1.5707172	1.24758911	-2.556638e+05
## 1998	4.2455078	3166.33260	0.9537874	1.5707247	4.88533974	-4.443075e+05
## 1998.1	4.2455078	3166.33260	0.9537874	1.5707247	4.88533974	-4.443075e+05
## 1999	4.2861116	3166.33260	0.9537874	1.5707247	4.88533974	-4.443075e+05
## 2001	4.9005182	2580.44540	1.7381324	1.5707290	1.02319586	-3.290922e+05
## 2021	2.6921920	3297.33330	2.2667124	1.5706946	2.79168820	-1.230372e+05
## 2015	2.4569255	3303.91658	2.2160685	1.5707121	2.90995741	3.216484e+04
## 2029	2.0863596	1216.08298	1.8026195	1.5706820	3.59603477	-1.334247e+06
## 2034	6.4312595	735.16721	1.6252646	1.5706667	0.86249876	9.769811e+03
## 2039	3.0762906	2159.94348	1.5479034	1.5707397	3.95935488	8.462716e+04
## 2045	6.5484870	2305.55615	2.2714555	1.5707221	1.93302703	-2.081695e+05
## 2064	4.7672087	1216.44507	2.2523651	1.5706947	1.88493478	-3.667875e+05
## 2062	7.9077863	1312.47254	2.3526821	1.5706899	2.27260160	6.093981e+04

##	2069	17.4298619	1144.13910	2.3512249	1.5705838	2.25686812	3.600700e+04
##	2064.1	4.7672087	1216.44507	2.2523651	1.5706947	1.88493478	-3.667875e+05
##	2070	9.9773244	1216.44507	2.2523651	1.5706947	1.88493478	-3.667875e+05
##	2101	6.7664017	170.55551	0.8185630	1.5706042	5.75835705	1.049293e+05
##	2110	3.8337562	101.91691	2.0232804	1.5705837	1.45203805	-2.107472e+03
##	2113	2.0626944	90.65722	0.8385783	1.5705208	5.16569471	-1.269438e+05
##	2131	3.7846031	140.13890	2.1936491	1.5684377	2.95576572	1.687939e+04
##	2131.1	3.7846031	140.13890	2.1936491	1.5684377	2.95576572	1.687939e+04
##	2132	4.3042484	140.13890	2.1936491	1.5684377	2.95576572	1.687939e+04
##	2135	5.8857123	307.11093	0.9099890	1.5705897	4.97800636	-7.154810e+04
##	2145	5.3462917	46.38867	1.0629681	1.5705200	4.68521833	5.036970e+04
##	2153	4.5696590	175.24997	1.9688087	1.5696445	3.34651899	7.200546e+04
##	2162	2.5460303	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2162.1	2.5460303	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2163	2.2097789	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2168	6.2383475	3027.05648	2.1462038	1.5707387	1.66360688	-5.947704e+04
##	2168.1	6.2383475	3027.05648	2.1462038	1.5707387	1.66360688	-5.947704e+04
##	2169	4.6646282	3027.05648	2.1462038	1.5707387	1.66360688	-5.947704e+04
##	2179	8.3549043	3183.11091	0.8196442	1.5706333	5.23294401	6.519390e+04
##	2178	2.5951484	3003.13891	0.8357726	1.5706975	5.82057857	1.115599e+05
##	2182	6.2878893	3153.19420	0.8016240	1.5707155	5.67901564	1.559389e+05
##	2162.2	2.5460303	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2163.1	2.2097789	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2164	1.3698956	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2187	3.2924341	2836.61020	0.8842696	1.5707443	5.03855419	-6.665527e+04
##	2162.3	2.5460303	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2163.2	2.2097789	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2164.1	1.3698956	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2184	2.7253062	3159.38866	0.8294090	1.5706524	5.19664717	-8.111641e+05
##	2174	2.5951484	2719.77817	2.2608261	1.5706613	1.90577781	-1.387827e+06
##	2179.1	8.3549043	3183.11091	0.8196442	1.5706333	5.23294401	6.519390e+04
##	2180	4.1294281	3183.11091	0.8196442	1.5706333	5.23294401	6.519390e+04
##	2212	1.6442954	2965.61128	2.3561101	1.5706247	2.34709454	-1.587860e+05
##	2229	3.4678792	3427.94456	0.9519956	1.5707265	6.10663176	-2.916803e+05
##	2229.1	3.4678792	3427.94456	0.9519956	1.5707265	6.10663176	-2.916803e+05
##	2230	1.7927316	3427.94456	0.9519956	1.5707265	6.10663176	-2.916803e+05
##	2237	3.3874430	3017.44431	1.4825840	1.5704702	4.05182266	1.166451e+05
##	2247	2.4637852	550.66655	1.4975234	1.5705123	4.03063631	1.407152e+05
##	2252	3.9499769	628.30542	2.1150143	1.5705832	3.10535455	-4.289225e+05
##	2275	11.4219630	1211.11089	1.7429892	1.5705271	3.68216944	-7.723630e+04
##	2282	9.2355532	857.88888	2.3159292	1.5706068	2.64360094	-3.965590e+05
##	2273	5.7666941	889.13909	2.3557696	1.5706228	2.38381577	-1.734972e+05
##	2273.1	5.7666941	889.13909	2.3557696	1.5706228	2.38381577	-1.734972e+05
##	2285	10.9774670	889.13909	2.3557696	1.5706228	2.38381577	-1.734972e+05
##	2287	3.4024361	840.19472	1.5779409	1.5706168	0.79554713	-1.199884e+05
##	2292	4.5239201	909.97217	1.9763823	1.5701960	3.33485055	-5.332801e+05
##	2297	18.9947938	1170.77724	1.8825083	1.5707183	3.47834849	1.033041e+05
##	2300	9.5084360	1062.97223	2.2164128	1.5705701	2.90914989	-3.125078e+05
##	2302	7.3050323	807.86138	2.1947088	1.5706301	1.75780916	-2.440173e+05
##	2308	6.8184635	642.55576	2.0486808	1.5705348	1.49359393	-3.057240e+04
##	2308.1	6.8184635	642.55576	2.0486808	1.5705348	1.49359393	-3.057240e+04
##	2309	6.0443751	642.55576	2.0486808	1.5705348	1.49359393	-3.057240e+04
##	2323	2.7931637	437.11129	2.0726807	1.5704596	1.53374994	3.376441e+04
##	2339	2.8090595	289.19441	0.7852103	1.5697278	5.51037931	-2.219012e+03

##	2357	5.3462917	216.33314	1.0450643	1.5704882	4.71597910	-6.297397e+04
##	2360	6.2487105	260.61173	1.8930212	1.5707029	1.24978352	1.481230e+05
##	2349	4.8232793	215.66640	1.1759437	1.5705956	4.50213814	5.602855e+04
##	2367	11.1793519	141.77776	1.5310082	1.5683118	3.98265243	5.154614e+04
##	2366	2.5412468	43.22221	0.8322735	1.5696884	5.80964088	-1.693566e+05
##	2380	3.6352726	68.72196	0.8405656	1.5706469	5.15943146	4.947637e+04
##	2418	7.2528667	80.69443	0.7953062	1.5692354	5.35380793	-9.493879e+03
##	2433	7.8888657	69.69443	1.7152404	1.5671048	3.72105002	2.355551e+02
##	2442	22.8178337	67.22227	2.2878182	1.5694660	1.97892225	2.356008e+03
##	2450	4.7760877	58.13889	2.0935555	1.5666833	3.14159274	-2.094010e+04
##	2463	1.6593836	3284.97260	2.2858016	1.5706674	1.97232127	-6.705125e+05
##	2480	1.1885302	2931.80569	2.1638448	1.5703672	1.69702184	-3.449672e+04
##	2493	0.9485520	3131.27727	0.9864300	1.5706929	4.82190371	3.642495e+03
##	2504	2.6988344	2895.69415	0.9043261	1.5706313	4.99087381	1.065888e+05
##	2508	1.1377477	2940.83325	1.5258253	1.5703621	3.99050212	5.718748e+04
##	2512	0.8785388	2838.02765	1.4880047	1.5704508	4.04412317	-4.436717e+03
##	2525	3.9246402	721.88852	1.2422625	1.5706373	4.40078354	-6.302729e+04
##	2533	2.4401428	540.47234	2.3050570	1.5670105	2.03394175	-1.649195e+05
##	2541	5.3799710	635.86100	1.3380251	1.5703143	4.25916910	-9.998797e+04
##	2548	4.1294281	670.19428	2.0331588	1.5705711	3.24429655	1.006853e+05
##	2556	8.4006454	760.44490	2.0080745	1.5706711	1.42754495	-9.219995e+04
##	2568	2.9411013	617.24952	1.1759460	1.5706412	4.50214815	-4.951706e+04
##	2574	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2573	2.3123747	416.27783	2.1062565	1.5698956	1.59181070	-1.004929e+05
##	2574.1	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2575	1.8786934	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2585	1.8141568	389.97218	0.8091750	1.5703580	5.71808100	8.153059e+04
##	2574.2	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2575.1	1.8786934	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2579	2.2791043	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2574.3	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2575.2	1.8786934	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2579.1	2.2791043	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2591	2.5475660	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##	2574.4	2.9390886	387.97192	1.5428414	1.5705535	3.96646953	5.556127e+04
##		Longitudin	Covergence	Closeddepr	Flowaccumu	Topographi	
##	3	-14454.3232	4.33616209	0.000000665	0.000138116	-11.6333342	
##	3.1	-14454.3232	4.33616209	0.000000665	0.000138116	-11.6333342	
##	4	-14454.3232	4.33616209	0.000000665	0.000138116	-11.6333342	
##	2	1891.6317	-15.24348927	-0.000000154	0.006457845	-6.5095105	
##	11	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	11.1	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	12	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	11.2	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	12.1	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	13	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	11.3	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	12.2	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	13.1	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	14	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	11.4	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	12.3	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	13.2	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	
##	14.1	-57220.8438	0.33662954	-0.000000446	0.000328944	-10.2716293	

[illegible]

[illegible]

[illegible]



[illegible]

## 38	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 17.20	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 18.19	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 21.18	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 22.17	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 23.16	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 24.15	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 25.14	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 26.13	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 27.12	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 28.11	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 29.10	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 30.9	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 31.8	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 32.7	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 33.6	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 34.5	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 35.4	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 36.3	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 37.2	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 38.1	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 39	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 17.21	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 18.20	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 21.19	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 22.18	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 23.17	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 24.16	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 25.15	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 26.14	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 27.13	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 28.12	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 29.11	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 30.10	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 31.9	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 32.8	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 33.7	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 34.6	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 35.5	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 36.4	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 37.3	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 38.2	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 39.1	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 41	54024.0586	-5.07403851	-0.000001720	0.000158625	-11.7292366
## 10	-46595.4805	-23.94409752	1.644137621	0.042382132	-3.3873827
## 50	-21159.4512	4.74141884	0.000005960	0.000069400	-12.4482203
## 51	14451.5439	6.98467827	-0.000002810	0.000075800	-13.0286875
## 58	26027.3887	-0.82201898	-0.000003230	0.000152208	-13.0906181
## 44	-1288.8760	8.01227760	-0.000000266	0.000152960	-10.1924591
## 49	-36713.5977	-3.09176445	0.000000412	0.002017397	-7.3563995
## 9	-32889.9570	-2.73983502	0.000000047	0.000119885	-10.1610279
## 58.1	26027.3887	-0.82201898	-0.000003230	0.000152208	-13.0906181
## 59	26027.3887	-0.82201898	-0.000003230	0.000152208	-13.0906181
## 74	-28428.6230	-4.58445215	-0.000001880	0.000683689	-10.3687239

## 76	19825.3730	4.75739527	-0.000000580	0.003388412	-6.8701472
## 88	43051.8086	5.89955997	0.000001560	0.000087400	-13.5700083
## 83	64239.5781	-0.58942503	0.000001730	0.000130418	-12.3512850
## 89	-17749.6250	7.83231354	-0.000001600	0.000106549	-12.8747549
## 79	7015.9453	20.91967010	-0.000000690	0.000136570	-11.9436617
## 76.1	19825.3730	4.75739527	-0.000000580	0.003388412	-6.8701472
## 77	19825.3730	4.75739527	-0.000000580	0.003388412	-6.8701472
## 73	-89242.6250	-9.01214981	0.000002110	0.060678143	-4.7703028
## 72	15473.6260	0.25549564	-0.000003410	0.000113809	-12.5452776
## 71	8421.0967	5.91725111	-0.000000243	0.000247761	-11.6614838
## 96	-42235.0156	-10.35196209	0.000000534	0.029454067	-5.6040483
## 74.1	-28428.6230	-4.58445215	-0.000001880	0.000683689	-10.3687239
## 75	-28428.6230	-4.58445215	-0.000001880	0.000683689	-10.3687239
## 104	-392778.3125	-16.62639427	-0.000000087	0.000604940	-11.1227541
## 119	53886.4023	-8.84142494	5.835015774	0.000283659	-10.2410088
## 129	319248.8438	5.85145760	-0.000071300	0.000107036	-14.9637795
## 128	-333892.9063	-2.01896501	-0.000054000	0.000474915	-11.1544075
## 122	0.0000	-16.95399094	0.000009220	0.000141384	-11.4739199
## 142	-353059.6563	-16.74945641	0.000002750	0.000088600	-13.9438162
## 150	-99356.8047	-31.55293274	-0.000003980	0.000069400	-12.7543430
## 121	-193920.1094	-46.65623856	67.011619570	0.049198341	4.5895567
## 167	-159584.4844	-25.95189667	37.630142210	0.035772979	4.9654517
## 121.1	-193920.1094	-46.65623856	67.011619570	0.049198341	4.5895567
## 154	-193920.1094	-46.65623856	67.011619570	0.049198341	4.5895567
## 142.1	-353059.6563	-16.74945641	0.000002750	0.000088600	-13.9438162
## 146	-353059.6563	-16.74945641	0.000002750	0.000088600	-13.9438162
## 119.1	53886.4023	-8.84142494	5.835015774	0.000283659	-10.2410088
## 120	53886.4023	-8.84142494	5.835015774	0.000283659	-10.2410088
## 177	-68080.8828	-3.93105221	0.000000430	0.000160206	-12.2970314
## 174	-142675.7500	-4.29944849	-0.000000075	0.002140116	-10.1356468
## 175	148028.3281	19.59744835	0.000001350	0.000201617	-11.7380791
## 176	-206629.4219	2.99221897	0.000001170	0.000223050	-12.8166733
## 135	-1255682.2500	-13.35195160	-0.000024900	0.001185898	-11.0445490
## 169	-42126.4023	1.88681924	0.000001930	0.003815391	-8.0714083
## 196	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 196.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 196.2	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 198	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 196.3	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197.2	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 198.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 199	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 196.4	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197.3	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 198.2	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 199.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 200	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 195	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 206	-672825.3750	1.99243832	0.000097200	0.000353837	-13.7292814
## 208	71157.6094	5.79452038	-0.000007770	0.000277966	-13.6150074
## 213	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 213.1	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029

## 214	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 213.2	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 214.1	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 215	-397963.5938	-5.10742044	0.000109759	0.000471259	-13.2107029
## 217	-337366.1563	1.35973573	-0.000077900	0.000254045	-14.1079502
## 217.1	-337366.1563	1.35973573	-0.000077900	0.000254045	-14.1079502
## 218	-337366.1563	1.35973573	-0.000077900	0.000254045	-14.1079502
## 231	150975.9688	-7.17707062	0.000103078	0.000337585	-13.0991030
## 242	397577.2188	5.04462385	0.000044900	0.000078100	-14.2580070
## 250	-37147.4922	16.52621841	0.000106028	0.000166704	-12.8092108
## 223	352959.7500	-1.29230070	-0.000059400	0.000280245	-12.7646895
## 238	-164177.1406	-2.24383521	0.000000828	0.000176537	-12.1086817
## 246	-220140.7969	-7.37130690	0.000079300	0.000755966	-12.4515410
## 246.1	-220140.7969	-7.37130690	0.000079300	0.000755966	-12.4515410
## 260	-220140.7969	-7.37130690	0.000079300	0.000755966	-12.4515410
## 282	1078.0446	-12.70327950	0.000113507	0.000225279	-13.0476475
## 284	-427117.3438	8.70615768	2.334682465	1.637011290	-0.8955541
## 196.5	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 197.4	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 198.3	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 199.2	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 200.1	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 201	-28110.5859	-3.81051135	-0.000006420	0.000673047	-11.0282364
## 195.1	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 202	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 238.1	-164177.1406	-2.24383521	0.000000828	0.000176537	-12.1086817
## 254	-164177.1406	-2.24383521	0.000000828	0.000176537	-12.1086817
## 296	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 237	-50077.0078	-12.76410961	0.000001250	0.000098100	-12.6324120
## 296.1	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 297	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 275	-137656.4063	-0.51997232	-0.000090900	0.000441148	-13.0128565
## 296.2	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 297.1	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 299	-105082.1016	2.66813922	0.000001380	0.000122939	-13.0863199
## 237.1	-50077.0078	-12.76410961	0.000001250	0.000098100	-12.6324120
## 298	-50077.0078	-12.76410961	0.000001250	0.000098100	-12.6324120
## 292	-46614.3750	-1.01335430	0.000000313	0.009930831	-6.8474779
## 195.2	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 202.1	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 293	-13563.5166	-20.74104881	-0.000001750	0.000173809	-11.9257669
## 317	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 316	62764.1094	7.85454893	-0.000002940	0.049880557	-5.3606892
## 322	-1380653.6250	-55.39665604	-0.000059000	0.072275929	-6.8517003
## 324	-2049527.2500	-4.30015135	0.000041900	0.000581511	-13.2324886
## 329	-9423.4951	5.32161379	-0.000020400	0.000150924	-14.7269640
## 337	-217192.5781	1.70000946	0.000043500	0.015390849	-7.0701747
## 355	-297980.5000	-6.11942768	26.118364330	0.000612668	-1.4698482
## 322.1	-1380653.6250	-55.39665604	-0.000059000	0.072275929	-6.8517003
## 323	-1380653.6250	-55.39665604	-0.000059000	0.072275929	-6.8517003
## 320	222584.2344	59.17531967	0.000004970	0.000136071	-13.0699186
## 317.1	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 318	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 319	250344.2656	-19.15022850	0.000004850	0.000342542	-11.7982397

## 317.2	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 318.1	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 375	-3713.0432	-31.07552147	1.840606332	0.000494072	-11.4285870
## 393	-420722.0938	-3.19058800	0.000043000	0.006755780	-9.9810848
## 316.1	62764.1094	7.85454893	-0.000002940	0.049880557	-5.3606892
## 321	62764.1094	7.85454893	-0.000002940	0.049880557	-5.3606892
## 381	125529.3281	-18.40937805	0.000004690	0.000441273	-10.4061813
## 399	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 399.1	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 400	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 402	-1033525.1250	-22.40302658	-0.000029400	0.003022870	-10.4815922
## 408	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 408.1	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 409	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 417	-472244.5625	-18.68099022	-0.000044700	0.010335393	-9.6409569
## 411	-330447.6250	-12.25187206	0.000044100	0.001296534	-11.9788151
## 408.2	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 409.1	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 410	-946132.6875	-38.73553848	0.000047100	0.025689522	-7.0788331
## 431	78613.1406	-2.90849566	-0.000088300	0.000099900	-14.9104881
## 435	-1742444.2500	-4.96019554	-0.000041100	0.000136737	-14.8969488
## 433	69452.2031	-4.23010302	0.000096100	0.000241874	-14.1124249
## 427	-193273.5938	4.23601675	0.000059600	0.000074400	-15.1621132
## 447	-615633.1250	-6.46836424	0.000052500	0.003049831	-10.5733414
## 449	-942247.9375	-9.46579647	0.000060100	0.000795006	-13.0145741
## 465	499905.2188	5.18971539	0.000051700	0.000137841	-14.5231752
## 470	201948.3594	-2.21289349	0.000083800	0.000182018	-14.3105516
## 460	-1125226.8750	-4.85250664	-0.000046400	0.000257150	-14.2918320
## 479	-998371.2500	-21.05027008	1.282643914	0.044499028	-6.2340851
## 402.1	-1033525.1250	-22.40302658	-0.000029400	0.003022870	-10.4815922
## 403	-1033525.1250	-22.40302658	-0.000029400	0.003022870	-10.4815922
## 502	-355061.4375	-3.04329419	-0.000044200	0.000399113	-13.0535011
## 502.1	-355061.4375	-3.04329419	-0.000044200	0.000399113	-13.0535011
## 503	-355061.4375	-3.04329419	-0.000044200	0.000399113	-13.0535011
## 497	-120758.9219	-6.76059294	0.000002850	0.000305220	-12.3302431
## 514	-42923.7891	2.01173878	0.000010400	0.000415191	-13.3427687
## 507	200186.3594	-11.72436428	0.000007600	0.001044622	-10.2197380
## 399.2	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 400.1	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 401	-8931.8389	-7.20336056	0.000001320	0.000658327	-10.3040342
## 497.1	-120758.9219	-6.76059294	0.000002850	0.000305220	-12.3302431
## 508	-120758.9219	-6.76059294	0.000002850	0.000305220	-12.3302431
## 495	-326423.1250	5.66217423	-0.000006750	0.000135984	-14.2030392
## 572	-330244.4375	2.45884919	27.807435990	0.039935388	-4.7214327
## 574	262550.5938	7.88517761	-0.000002560	0.000080800	-13.4022741
## 574.1	262550.5938	7.88517761	-0.000002560	0.000080800	-13.4022741
## 575	262550.5938	7.88517761	-0.000002560	0.000080800	-13.4022741
## 579	-303237.4063	-15.10211372	-0.000001920	0.000194976	-14.1977224
## 579.1	-303237.4063	-15.10211372	-0.000001920	0.000194976	-14.1977224
## 582	-303237.4063	-15.10211372	-0.000001920	0.000194976	-14.1977224
## 586	-519864.0313	0.64954484	-0.000027300	0.038895547	-6.3168163
## 572.1	-330244.4375	2.45884919	27.807435990	0.039935388	-4.7214327
## 573	-330244.4375	2.45884919	27.807435990	0.039935388	-4.7214327
## 599	76634.3984	-5.76430321	0.000003110	0.000503479	-9.2291803

## 612	-204899.0938	-17.15538216	-0.000113173	0.000069400	-13.4635649
## 617	-49734.8984	-9.78854179	-0.000002460	0.579986036	-3.3002179
## 616	-1105880.7500	0.10947923	0.000002820	0.001572348	-11.5731001
## 641	-430827.9375	2.88754010	-0.000101030	0.000280273	-13.2893085
## 662	-1136059.2500	5.22174692	-0.000035200	0.000259387	-13.2627277
## 668	-1340936.6250	-0.69013280	-0.000015200	0.000256386	-13.8124352
## 678	-99176.8125	-4.79693508	0.000000396	0.001796776	-9.5153761
## 677	-32158.3828	6.05241966	0.000000455	0.000074600	-12.1635723
## 647	-16622.4551	36.09984970	-0.000000959	0.000383256	-9.5825891
## 700	-200252.7031	-2.01358724	0.000000943	0.000602274	-10.7102985
## 704	75841.7500	14.81197453	0.000025900	0.000385275	-11.5570612
## 709	-53993.0820	-13.47067738	0.000013300	0.000115511	-12.9954586
## 732	-8782.1895	2.38139367	0.000004200	0.000146764	-12.7155456
## 806	-54534.6641	-6.92371368	-0.000013500	0.021733603	-6.0281777
## 700.1	-200252.7031	-2.01358724	0.000000943	0.000602274	-10.7102985
## 701	-200252.7031	-2.01358724	0.000000943	0.000602274	-10.7102985
## 851	6437.0010	9.63549709	0.000069100	0.000483674	-13.2492905
## 859	-16332.6035	-5.03932953	0.000003650	0.022159085	-2.4630198
## 887	-705492.0625	20.24237633	0.000028800	0.000163981	-13.9571419
## 894	780628.4375	61.49076843	0.000014800	0.000069400	-15.2514105
## 896	-249928.9531	9.43860340	0.000029700	0.000097000	-14.9543238
## 899	-297690.3125	-5.35214138	0.000000822	0.000588747	-11.3383188
## 901	-516762.9688	-1.29091239	-0.000010800	0.000479406	-11.8017168
## 910	-377935.0313	4.01940203	0.000019300	0.000192286	-13.5848351
## 894.1	780628.4375	61.49076843	0.000014800	0.000069400	-15.2514105
## 900	780628.4375	61.49076843	0.000014800	0.000069400	-15.2514105
## 917	-17485.6836	-2.72950053	0.000011500	0.000075300	-11.9389715
## 926	-74455.6484	2.87475324	0.000000128	0.000299446	-12.0227032
## 892	-36551.0391	-4.96048451	0.000009550	0.000158264	-12.7985907
## 945	-117931.8203	-29.83846474	0.000026600	0.000235266	-11.1416712
## 937	-345436.0313	-0.44927871	-0.000012600	0.000363520	-12.4182177
## 908	-256814.5938	0.04112300	0.000027500	0.002704006	-9.5559616
## 958	57463.3047	5.51062250	-0.000010400	0.000243565	-9.3706207
## 971	-6301.5771	-14.99911118	-0.000001940	0.001020668	-8.5070028
## 985	707273.0625	5.12070417	0.000027900	0.000254554	-12.9628639
## 1019	-170434.7656	11.64429665	0.000047000	0.000335532	-12.6202364
## 1039	-98812.0859	1.63303125	0.000007070	0.000250155	-13.4002228
## 1017	876029.0000	11.21601868	-0.000090500	0.000081600	-15.0087032
## 1097	67377.1953	0.64926851	0.000006080	0.000659201	-11.3829222
## 1135	-382027.2500	2.07383943	0.000011000	0.000177334	-13.7535725
## 1135.1	-382027.2500	2.07383943	0.000011000	0.000177334	-13.7535725
## 1136	-382027.2500	2.07383943	0.000011000	0.000177334	-13.7535725
## 1139	1020102.5630	13.05125904	0.000001010	0.000069400	-14.3422136
## 1139.1	1020102.5630	13.05125904	0.000001010	0.000069400	-14.3422136
## 1140	1020102.5630	13.05125904	0.000001010	0.000069400	-14.3422136
## 1145	-70581.7188	-6.46780062	-0.000022700	0.000126602	-13.1852674
## 1143	-27436.6250	-3.55824971	-0.000029000	0.000116253	-13.3393126
## 1145.1	-70581.7188	-6.46780062	-0.000022700	0.000126602	-13.1852674
## 1146	-70581.7188	-6.46780062	-0.000022700	0.000126602	-13.1852674
## 1138	7838.0435	8.50407124	0.000019000	0.000152148	-13.5109024
## 1167	-1411499.1250	-5.28361130	-0.000039600	0.000373825	-13.9993448
## 1173	616810.8750	46.66891861	0.000021900	0.000073100	-14.5210304
## 1175	-132289.6250	-9.05194473	-0.000028800	0.000113711	-13.4519196
## 1178	-348702.0625	3.57890511	0.000023000	0.000203616	-13.2047472

## 1217	-151005.1719	1.45171773	-0.000000675	0.000197111	-13.6723089
## 1211	-93292.4766	-1.60528505	8.785606384	0.001371376	-9.6239119
## 1131	263937.3125	0.44499826	-0.000050400	0.000277849	-12.8946762
## 1250	-215752.4375	-22.07986259	0.000000707	0.000301431	-11.5083132
## 1253	-3619.5576	0.53996175	-0.000001150	0.000152816	-11.3770847
## 1268	-374299.6563	-6.53344059	0.000059900	0.000069400	-14.1919861
## 1248	7124.8848	-1.19340050	0.807552814	0.005475885	-6.3420811
## 1249	12096.1689	-7.61158037	0.000000386	0.000106685	-11.1952515
## 1216	-503438.4063	-55.77379990	27.283014300	0.007376084	-7.1458535
## 1216.1	-503438.4063	-55.77379990	27.283014300	0.007376084	-7.1458535
## 1280	-503438.4063	-55.77379990	27.283014300	0.007376084	-7.1458535
## 1266	-497030.9375	0.56007123	0.000024100	0.000494969	-12.7040644
## 1293	-179397.5781	-1.26669717	0.000010300	0.000621038	-12.0667973
## 1295	-303481.5938	-21.75428200	0.000026000	0.004786939	-9.0241051
## 1295.1	-303481.5938	-21.75428200	0.000026000	0.004786939	-9.0241051
## 1296	-303481.5938	-21.75428200	0.000026000	0.004786939	-9.0241051
## 1305	-398081.4063	-16.03876305	-0.000043500	0.002174671	-9.8456030
## 1308	-195956.3906	-3.33313537	-0.000062300	0.000335983	-12.8352308
## 1308.1	-195956.3906	-3.33313537	-0.000062300	0.000335983	-12.8352308
## 1309	-195956.3906	-3.33313537	-0.000062300	0.000335983	-12.8352308
## 1311	502419.1875	15.49443340	0.000040200	0.000691667	-11.2766056
## 1315	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1315.1	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1316	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1318	-529805.7500	-12.08076668	-0.000004770	0.001788831	-10.9319649
## 1320	-94420.2422	-11.25122547	-0.000007630	0.004364140	-8.7573624
## 1315.2	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1316.1	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1317	-680730.1250	-15.18507767	-0.000052100	0.000189692	-14.4082499
## 1327	-379618.7500	-14.19174767	-0.000027800	0.002524939	-9.8339672
## 1341	-160316.7031	2.22009492	0.000017700	0.000333753	-12.4572878
## 1345	-136679.2188	7.47208357	0.000000435	0.000325264	-12.4808969
## 1350	-144807.3594	10.84206104	0.000017700	0.000094600	-14.9173593
## 1408	283629.5000	-4.99553728	0.000121696	0.003389980	-11.3026581
## 1438	-262914.4063	-5.99620199	0.000001980	0.000840533	-11.3610420
## 1443	-276279.2188	-5.38849735	0.000004090	0.000529067	-12.1747894
## 1443.1	-276279.2188	-5.38849735	0.000004090	0.000529067	-12.1747894
## 1444	-276279.2188	-5.38849735	0.000004090	0.000529067	-12.1747894
## 1290	-159192.8438	-14.25900841	-0.000007270	0.000097800	-13.2548838
## 1465	108422.0156	21.32862282	0.000005920	0.000191507	-12.6857138
## 1474	-41726.0742	1.97406042	0.000046900	0.000178703	-14.3164988
## 1474.1	-41726.0742	1.97406042	0.000046900	0.000178703	-14.3164988
## 1475	-41726.0742	1.97406042	0.000046900	0.000178703	-14.3164988
## 1485	244887.4531	-0.88826227	-0.000016900	0.000158183	-14.6046963
## 1503	-3598.5325	-5.89125776	-0.000006880	0.000973270	-9.4210615
## 1506	-16170.9951	4.72478104	-0.000000894	0.000113933	-10.1848612
## 1509	-1133425.3750	12.53791142	0.000070100	0.001049840	-11.4982214
## 1533	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1533.1	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1534	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1533.2	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1534.1	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1537	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
## 1533.3	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005

##	1534.2	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
##	1537.1	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
##	1539	-182291.7969	-6.40904570	0.000026900	0.176103532	-5.0488005
##	1545	-332538.1563	-24.35781097	-0.000001820	0.033584241	-7.2992802
##	1545.1	-332538.1563	-24.35781097	-0.000001820	0.033584241	-7.2992802
##	1546	-332538.1563	-24.35781097	-0.000001820	0.033584241	-7.2992802
##	1548	-296464.2188	-18.53921318	0.000024200	0.000618839	-11.8621435
##	1552	264343.3750	14.05847645	-0.000016100	0.000384459	-11.9720211
##	1552.1	264343.3750	14.05847645	-0.000016100	0.000384459	-11.9720211
##	1557	264343.3750	14.05847645	-0.000016100	0.000384459	-11.9720211
##	1571	-162735.4375	-8.94692993	0.000000947	0.015232516	-6.6445465
##	1580	-1292861.5000	-13.47309971	0.000019000	0.000213030	-14.2670631
##	1570	-342876.3125	-7.04345226	0.000008180	0.022250712	-5.3804922
##	1584	-1517299.0000	-13.05653667	-0.000111221	0.000345783	-13.6791010
##	1584.1	-1517299.0000	-13.05653667	-0.000111221	0.000345783	-13.6791010
##	1606	-1517299.0000	-13.05653667	-0.000111221	0.000345783	-13.6791010
##	1609	-350899.0625	-2.02236056	-0.000011800	0.002325017	-10.5183659
##	1612	318685.4375	17.34628296	-0.000042200	0.000263789	-12.6170788
##	1624	-33786.8789	-5.71032810	0.000025600	0.000132238	-14.1989737
##	1629	-352826.5313	-0.51004791	0.000051400	0.000959457	-11.6735048
##	1631	-356086.0625	-0.40550131	-0.000028100	0.001124689	-11.5864897
##	1642	10847.8604	6.28349447	-0.000010000	0.181926832	-1.9628924
##	1663	-857.0179	-57.61546707	0.000014400	0.000069400	-10.4748630
##	1702	-148880.5625	-8.87737846	-0.000027900	0.010932861	-8.4840765
##	1700	-27205.4492	-2.14547038	-0.000056600	0.013983784	-8.4665155
##	1719	-34371.5938	-4.79172325	-0.000005410	0.000572221	-8.8882675
##	1719.1	-34371.5938	-4.79172325	-0.000005410	0.000572221	-8.8882675
##	1720	-34371.5938	-4.79172325	-0.000005410	0.000572221	-8.8882675
##	1731	-1110.9738	4.94336748	0.000007530	0.000095500	-14.0690584
##	1742	-96552.6719	-3.70900536	0.000003030	0.001486322	-11.0321188
##	1698	-27527.3535	-16.24205780	-0.000003810	0.000096500	-12.2487459
##	1749	5627.8193	0.97292262	16.756456380	0.001709752	-6.4068780
##	1741	-300253.6250	-31.71274376	45.981792450	0.000816281	-1.2816731
##	1768	-608212.8750	-11.52642345	0.000089700	0.000700067	-11.8250237
##	1807	-100159.1172	-5.42002487	-0.000002330	0.000408339	-11.5218020
##	1771	120621.7656	21.36502266	-0.000007580	0.000110617	-11.9929361
##	1814	-243822.9844	-45.94911575	3.445462465	0.068540350	-5.4699574
##	1830	649479.8125	0.34171569	0.000092900	0.000093000	-14.7779589
##	1848	-686820.0000	-12.17268467	-0.000006570	0.002056874	-10.9509459
##	1853	-768991.8750	-24.59495354	-0.000013800	0.000988578	-11.7882290
##	1863	-1230748.1250	-51.11015320	14.337605480	0.026983807	-5.9340558
##	1862	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1862.1	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1867	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1865	-1483144.1250	-7.83096743	18.420358660	0.001100297	-10.3664436
##	1862.2	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1867.1	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1868	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1862.3	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1867.2	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1868.1	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1872	-1085925.8750	-3.25577903	0.000006900	0.002262537	-10.0467243
##	1879	-110225.2500	1.43302798	0.000015600	0.000289554	-12.7118759
##	1911	-176536.6719	-1.67089903	-0.000006110	0.000403951	-10.9002237



## 1952	-394838.0313	2.59966064	3.167670012	0.021208528	-4.7556763
## 1954	-53880.1016	3.19369006	0.000000255	0.000148832	-13.6719046
## 1973	328964.9688	-3.21735024	0.000006700	0.000232209	-13.1303673
## 1989	497023.8750	6.09779835	0.000004170	0.000116173	-13.6503973
## 1994	-624272.1250	-5.28700590	0.000044200	0.000382498	-13.2030096
## 1996	-708468.2500	-3.60294223	-0.000054700	0.000340101	-13.1782332
## 1998	-385365.9063	-6.37694931	-0.000076900	0.000326995	-13.5741558
## 1998.1	-385365.9063	-6.37694931	-0.000076900	0.000326995	-13.5741558
## 1999	-385365.9063	-6.37694931	-0.000076900	0.000326995	-13.5741558
## 2001	-412767.9688	-9.83996010	-0.000089600	0.000307598	-13.4402342
## 2021	-60443.2656	-2.35914516	-0.000046400	0.000485304	-12.5709257
## 2015	-115914.0547	0.96256149	-0.000074400	0.000321042	-13.1731205
## 2029	-829497.6875	-12.78416538	0.000023400	0.005524948	-9.3295193
## 2034	-181661.0156	-2.61310482	0.000027300	0.000229883	-12.8438053
## 2039	-603399.8125	2.35208082	0.000119407	0.000267625	-13.7530727
## 2045	-618424.2500	-1.67891407	0.000003520	0.002733325	-11.1579723
## 2064	-202564.4219	-14.73294830	-0.000004530	0.004611271	-9.6274681
## 2062	-18625.7461	3.18887425	-0.000002870	0.000114212	-14.1611948
## 2069	-170883.9531	1.87987030	-0.000057900	0.005310018	-9.2099400
## 2064.1	-202564.4219	-14.73294830	-0.000004530	0.004611271	-9.6274681
## 2070	-202564.4219	-14.73294830	-0.000004530	0.004611271	-9.6274681
## 2101	24732.6172	6.58964157	-0.000000370	0.000145915	-13.3254004
## 2110	-84717.9219	1.17440748	-0.000002850	0.000169242	-13.2929335
## 2113	-187449.2656	-7.63731909	0.000003160	0.000114623	-12.3246946
## 2131	12220.3144	4.73195076	-0.000002500	0.000985521	-8.9762030
## 2131.1	12220.3144	4.73195076	-0.000002500	0.000985521	-8.9762030
## 2132	12220.3144	4.73195076	-0.000002500	0.000985521	-8.9762030
## 2135	-38440.8594	-2.70740724	0.000005740	0.000623964	-11.2645636
## 2145	33331.4570	12.19337273	-0.000001290	0.000100845	-13.4001970
## 2153	49869.8359	7.50048828	0.000000986	0.000075900	-12.4057875
## 2162	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2162.1	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2163	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2168	-380531.5625	0.08682215	-0.000084200	0.000260904	-13.4131508
## 2168.1	-380531.5625	0.08682215	-0.000084200	0.000260904	-13.4131508
## 2169	-380531.5625	0.08682215	-0.000084200	0.000260904	-13.4131508
## 2179	-184303.2813	0.54547661	-0.000072100	0.000132482	-13.8033838
## 2178	-203352.8906	2.44259739	0.000004340	0.001630949	-10.6953621
## 2182	-333049.0313	2.11630797	-0.000111950	0.001004151	-11.8426333
## 2162.2	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2163.1	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2164	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2187	-1763754.8750	1.93646193	-0.000093400	0.000394824	-13.4476709
## 2162.3	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2163.2	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2164.1	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2184	-839527.3125	-6.46891451	0.000015100	0.024663882	-7.6025438
## 2174	-367960.1250	-46.19875717	-0.000095900	0.000527096	-11.9734535
## 2179.1	-184303.2813	0.54547661	-0.000072100	0.000132482	-13.8033838
## 2180	-184303.2813	0.54547661	-0.000072100	0.000132482	-13.8033838
## 2212	-333148.3750	-2.07379913	0.000043400	0.001243250	-11.1075764
## 2229	-56507.2305	-3.19164967	0.000017600	0.000261245	-13.5670500
## 2229.1	-56507.2305	-3.19164967	0.000017600	0.000261245	-13.5670500
## 2230	-56507.2305	-3.19164967	0.000017600	0.000261245	-13.5670500

##	2237	30427.5098	3.40451789	0.000023800	0.013276516	-7.4041862
##	2247	335008.6250	6.47655344	0.000017400	0.000072100	-13.9863892
##	2252	9810.7695	-17.37998581	0.000002670	0.014286174	-7.7563615
##	2275	-117198.8594	-1.76848066	-0.000049500	0.000140495	-13.2429800
##	2282	-498640.4688	-2.91673064	-0.000023800	0.006262640	-9.1595211
##	2273	-22226.4668	-4.84087658	0.000008010	0.000328566	-12.6154957
##	2273.1	-22226.4668	-4.84087658	0.000008010	0.000328566	-12.6154957
##	2285	-22226.4668	-4.84087658	0.000008010	0.000328566	-12.6154957
##	2287	166413.9531	-2.88832140	-0.000014400	0.003250627	-10.1016321
##	2292	-26975.2441	-49.84119034	-0.000004290	0.002587592	-8.4292793
##	2297	-140369.3750	2.55377531	-0.000019100	0.000188386	-13.5505695
##	2300	-285946.5625	-10.13255978	0.000057800	0.000778675	-11.5561295
##	2302	-609854.1250	-1.81695843	0.000008370	0.001879398	-10.7261105
##	2308	-424409.2500	0.80984557	0.000024300	0.000652171	-11.5884647
##	2308.1	-424409.2500	0.80984557	0.000024300	0.000652171	-11.5884647
##	2309	-424409.2500	0.80984557	0.000024300	0.000652171	-11.5884647
##	2323	-689185.8750	2.00919437	0.000010100	0.000635098	-10.7587175
##	2339	1804.1683	-4.41420651	-0.000009440	0.000379446	-10.2334919
##	2357	-71839.2656	-3.13034630	0.000006020	0.000170348	-12.7669029
##	2360	199380.2500	4.03505993	-0.000000771	0.000129129	-13.9804516
##	2349	-61848.2266	3.27576804	0.000001950	0.000436495	-11.6511431
##	2367	91184.2812	8.06350136	0.000000553	0.000231385	-10.1164131
##	2366	-61540.0664	-22.31932068	0.000001520	0.004824794	-6.6586480
##	2380	-45146.2188	4.03650856	-0.000002340	0.000134919	-13.4667311
##	2418	-10370.5010	-5.07705498	0.000001870	0.000460462	-9.6610250
##	2433	-2195.2964	0.03099702	-0.000001180	0.002528172	-6.6361346
##	2442	6716.2822	0.03154106	0.000001150	0.003617719	-7.9915462
##	2450	-42914.8555	-3.10049844	9.557948112	0.007848868	-4.5137620
##	2463	93696.8906	-7.87081099	0.000056800	0.002965976	-9.8308678
##	2480	-181369.6875	-1.57449520	-0.000028200	0.000787703	-10.3009224
##	2493	-526584.6875	0.30205137	0.000077400	0.000418728	-12.7022123
##	2504	-358328.6250	2.28824401	-0.000060500	0.002093703	-10.2787504
##	2508	-48152.3242	2.93971872	0.000000179	0.000421248	-11.4497461
##	2512	-148485.9375	3.41075039	-0.000062700	0.003230575	-9.2207270
##	2525	-414739.1250	-0.76609331	-0.000029600	0.020909466	-8.0150108
##	2533	-24751.9609	-43.45345306	13.784435270	0.000131633	-10.2592907
##	2541	-71636.0547	-7.21492338	0.000024600	0.000114573	-12.6473236
##	2548	-9133.1846	4.83804321	-0.000004740	0.000113127	-13.4894371
##	2556	-642365.3125	1.64069212	-0.000019400	0.000343923	-12.3610640
##	2568	-11312.0410	-3.57965159	-0.000009250	0.000096700	-13.9505119
##	2574	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2573	-399668.9063	2.59922361	-0.000000964	0.000781423	-9.2208910
##	2574.1	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2575	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2585	-7738.5024	5.90000486	0.000014700	0.000261483	-11.7290812
##	2574.2	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2575.1	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2579	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2574.3	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2575.2	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2579.1	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2591	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##	2574.4	86475.2500	5.86011171	0.000006530	0.000250971	-12.3608131
##		LSFactor	Channelnet	VerticalDistanceToChannelNetwork	ValleyDepth	

## 3	3.5095797	58.749149	40.0841331	385.746094
## 3.1	3.5095797	58.749149	40.0841331	385.746094
## 4	3.5095797	58.749149	40.0841331	385.746094
## 2	9.1567621	42.972237	0.0000000	600.309082
## 11	4.3948388	13.396474	1.2146358	966.471191
## 11.1	4.3948388	13.396474	1.2146358	966.471191
## 12	4.3948388	13.396474	1.2146358	966.471191
## 11.2	4.3948388	13.396474	1.2146358	966.471191
## 12.1	4.3948388	13.396474	1.2146358	966.471191
## 13	4.3948388	13.396474	1.2146358	966.471191
## 11.3	4.3948388	13.396474	1.2146358	966.471191
## 12.2	4.3948388	13.396474	1.2146358	966.471191
## 13.1	4.3948388	13.396474	1.2146358	966.471191
## 14	4.3948388	13.396474	1.2146358	966.471191
## 11.4	4.3948388	13.396474	1.2146358	966.471191
## 12.3	4.3948388	13.396474	1.2146358	966.471191
## 13.2	4.3948388	13.396474	1.2146358	966.471191
## 14.1	4.3948388	13.396474	1.2146358	966.471191
## 15	4.3948388	13.396474	1.2146358	966.471191
## 17	3.6081157	14.076872	21.5342541	944.385254
## 11.5	4.3948388	13.396474	1.2146358	966.471191
## 12.4	4.3948388	13.396474	1.2146358	966.471191
## 13.3	4.3948388	13.396474	1.2146358	966.471191
## 14.2	4.3948388	13.396474	1.2146358	966.471191
## 15.1	4.3948388	13.396474	1.2146358	966.471191
## 16	4.3948388	13.396474	1.2146358	966.471191
## 17.1	3.6081157	14.076872	21.5342541	944.385254
## 18	3.6081157	14.076872	21.5342541	944.385254
## 17.2	3.6081157	14.076872	21.5342541	944.385254
## 18.1	3.6081157	14.076872	21.5342541	944.385254
## 21	3.6081157	14.076872	21.5342541	944.385254
## 17.3	3.6081157	14.076872	21.5342541	944.385254
## 18.2	3.6081157	14.076872	21.5342541	944.385254
## 21.1	3.6081157	14.076872	21.5342541	944.385254
## 22	3.6081157	14.076872	21.5342541	944.385254
## 17.4	3.6081157	14.076872	21.5342541	944.385254
## 18.3	3.6081157	14.076872	21.5342541	944.385254
## 21.2	3.6081157	14.076872	21.5342541	944.385254
## 22.1	3.6081157	14.076872	21.5342541	944.385254
## 23	3.6081157	14.076872	21.5342541	944.385254
## 17.5	3.6081157	14.076872	21.5342541	944.385254
## 18.4	3.6081157	14.076872	21.5342541	944.385254
## 21.3	3.6081157	14.076872	21.5342541	944.385254
## 22.2	3.6081157	14.076872	21.5342541	944.385254
## 23.1	3.6081157	14.076872	21.5342541	944.385254
## 24	3.6081157	14.076872	21.5342541	944.385254
## 17.6	3.6081157	14.076872	21.5342541	944.385254
## 18.5	3.6081157	14.076872	21.5342541	944.385254
## 21.4	3.6081157	14.076872	21.5342541	944.385254
## 22.3	3.6081157	14.076872	21.5342541	944.385254
## 23.2	3.6081157	14.076872	21.5342541	944.385254
## 24.1	3.6081157	14.076872	21.5342541	944.385254
## 25	3.6081157	14.076872	21.5342541	944.385254
## 17.7	3.6081157	14.076872	21.5342541	944.385254

412

413

414

415

## 33.7	3.6081157	14.076872	21.5342541	944.385254
## 34.6	3.6081157	14.076872	21.5342541	944.385254
## 35.5	3.6081157	14.076872	21.5342541	944.385254
## 36.4	3.6081157	14.076872	21.5342541	944.385254
## 37.3	3.6081157	14.076872	21.5342541	944.385254
## 38.2	3.6081157	14.076872	21.5342541	944.385254
## 39.1	3.6081157	14.076872	21.5342541	944.385254
## 41	3.6081157	14.076872	21.5342541	944.385254
## 10	13.3399019	21.338572	0.0000000	760.803223
## 50	2.8031087	70.817787	65.6544876	574.150391
## 51	3.0219593	63.222584	54.4441414	582.831055
## 58	3.7670958	77.322395	20.1772613	517.902344
## 44	3.7707832	12.244616	7.1998291	877.756348
## 49	6.3164306	14.669037	0.1920891	947.174316
## 9	3.8492124	14.977263	11.1616011	933.056152
## 58.1	3.7670958	77.322395	20.1772613	517.902344
## 59	3.7670958	77.322395	20.1772613	517.902344
## 74	5.0873408	45.219360	34.3085175	962.863281
## 76	8.9572792	20.440416	11.0318584	992.770019
## 88	3.2026157	31.627687	54.1780014	985.075684
## 83	3.4695573	30.790817	25.9592171	1003.427734
## 89	3.3781555	25.380423	24.2863293	996.455078
## 79	3.8614206	26.766226	37.1781158	976.761231
## 76.1	8.9572792	20.440416	11.0318584	992.770019
## 77	8.9572792	20.440416	11.0318584	992.770019
## 73	14.3328104	68.500061	0.0000000	1101.682617
## 72	3.5543027	51.975506	51.1357460	1048.321289
## 71	4.1526518	37.028900	21.4712181	1027.163574
## 96	10.7980995	27.734066	0.9604206	986.984375
## 74.1	5.0873408	45.219360	34.3085175	962.863281
## 75	5.0873408	45.219360	34.3085175	962.863281
## 104	4.7157321	10.659373	15.2293978	830.117676
## 119	4.9009938	29.610008	56.0028992	686.029785
## 129	3.5109534	1375.462402	2770.6137700	5.366821
## 128	4.4929304	1335.364990	1563.2739260	430.776611
## 122	3.8882666	1371.775635	1642.4929200	464.092285
## 142	3.1171672	29.242207	72.0075378	761.134277
## 150	2.8031108	102.129684	46.0370026	824.558106
## 121	0.9619693	105.650536	0.0000000	836.130371
## 167	0.6182029	105.657783	0.0000000	855.348144
## 121.1	0.9619693	105.650536	0.0000000	836.130371
## 154	0.9619693	105.650536	0.0000000	836.130371
## 142.1	3.1171672	29.242207	72.0075378	761.134277
## 146	3.1171672	29.242207	72.0075378	761.134277
## 119.1	4.9009938	29.610008	56.0028992	686.029785
## 120	4.9009938	29.610008	56.0028992	686.029785
## 177	3.6152833	84.910889	37.9779358	1165.734375
## 174	6.6952024	41.009056	6.1300659	818.617676
## 175	3.9849632	22.214806	145.8408203	590.382324
## 176	4.0663033	21.926952	23.7672005	755.234375
## 135	6.0873971	760.694336	0.0000000	1452.759521
## 169	8.2420053	79.460083	38.0399780	863.371582
## 196	5.3123331	63.293800	94.0949936	636.099121
## 196.1	5.3123331	63.293800	94.0949936	636.099121



## 197	5.3123331	63.293800	94.0949936	636.099121
## 196.2	5.3123331	63.293800	94.0949936	636.099121
## 197.1	5.3123331	63.293800	94.0949936	636.099121
## 198	5.3123331	63.293800	94.0949936	636.099121
## 196.3	5.3123331	63.293800	94.0949936	636.099121
## 197.2	5.3123331	63.293800	94.0949936	636.099121
## 198.1	5.3123331	63.293800	94.0949936	636.099121
## 199	5.3123331	63.293800	94.0949936	636.099121
## 196.4	5.3123331	63.293800	94.0949936	636.099121
## 197.3	5.3123331	63.293800	94.0949936	636.099121
## 198.2	5.3123331	63.293800	94.0949936	636.099121
## 199.1	5.3123331	63.293800	94.0949936	636.099121
## 200	5.3123331	63.293800	94.0949936	636.099121
## 195	3.8684175	30.673731	62.6875153	675.111328
## 206	4.4594350	1544.020996	1685.7854000	449.904175
## 208	4.2493000	1679.479614	1665.7423100	365.631592
## 213	4.7224898	1452.612671	1602.0548100	530.664551
## 213.1	4.7224898	1452.612671	1602.0548100	530.664551
## 214	4.7224898	1452.612671	1602.0548100	530.664551
## 213.2	4.7224898	1452.612671	1602.0548100	530.664551
## 214.1	4.7224898	1452.612671	1602.0548100	530.664551
## 215	4.7224898	1452.612671	1602.0548100	530.664551
## 217	4.1735091	1492.195679	1773.0833740	374.385620
## 217.1	4.1735091	1492.195679	1773.0833740	374.385620
## 218	4.1735091	1492.195679	1773.0833740	374.385620
## 231	4.4176950	1630.309692	1611.9410400	566.068115
## 242	2.9617653	1572.757202	1862.8541260	173.640869
## 250	4.0185127	1508.891113	1670.8308110	330.132080
## 223	4.4584489	1936.562622	1464.1043700	376.486450
## 238	3.8804867	14.449672	35.7726631	687.953613
## 246	5.5631733	1553.088257	1512.8275150	679.101440
## 246.1	5.5631733	1553.088257	1512.8275150	679.101440
## 260	5.5631733	1553.088257	1512.8275150	679.101440
## 282	4.0743976	1593.177979	1589.3774410	433.147461
## 284	33.0438385	45.640282	0.0000000	835.559082
## 196.5	5.3123331	63.293800	94.0949936	636.099121
## 197.4	5.3123331	63.293800	94.0949936	636.099121
## 198.3	5.3123331	63.293800	94.0949936	636.099121
## 199.2	5.3123331	63.293800	94.0949936	636.099121
## 200.1	5.3123331	63.293800	94.0949936	636.099121
## 201	5.3123331	63.293800	94.0949936	636.099121
## 195.1	3.8684175	30.673731	62.6875153	675.111328
## 202	3.8684175	30.673731	62.6875153	675.111328
## 238.1	3.8804867	14.449672	35.7726631	687.953613
## 254	3.8804867	14.449672	35.7726631	687.953613
## 296	3.6095810	11.458172	44.7639999	682.835449
## 237	3.4500062	15.006865	51.8957748	669.163574
## 296.1	3.6095810	11.458172	44.7639999	682.835449
## 297	3.6095810	11.458172	44.7639999	682.835449
## 275	4.6605382	1540.622681	2005.4881590	344.019653
## 296.2	3.6095810	11.458172	44.7639999	682.835449
## 297.1	3.6095810	11.458172	44.7639999	682.835449
## 299	3.6095810	11.458172	44.7639999	682.835449
## 237.1	3.4500062	15.006865	51.8957748	669.163574

## 298	3.4500062	15.006865	51.8957748	669.163574
## 292	9.9798069	14.717569	2.3934879	727.742188
## 195.2	3.8684175	30.673731	62.6875153	675.111328
## 202.1	3.8684175	30.673731	62.6875153	675.111328
## 293	3.8684175	30.673731	62.6875153	675.111328
## 317	4.9938359	106.812904	0.0000000	870.097656
## 316	16.4386654	69.361237	0.0000000	790.898438
## 322	13.5355205	1418.652588	5.6247559	2232.901611
## 324	4.9252777	1330.556519	724.3055420	1319.163818
## 329	3.6217792	1753.601807	711.4809570	1317.808594
## 337	10.8937559	2684.427734	90.8779297	963.953979
## 355	0.7710051	2196.795166	588.3232422	937.039185
## 322.1	13.5355205	1418.652588	5.6247559	2232.901611
## 323	13.5355205	1418.652588	5.6247559	2232.901611
## 320	3.8585956	89.535110	128.0755463	617.950195
## 317.1	4.9938359	106.812904	0.0000000	870.097656
## 318	4.9938359	106.812904	0.0000000	870.097656
## 319	4.6410789	91.151413	80.1265106	718.511231
## 317.2	4.9938359	106.812904	0.0000000	870.097656
## 318.1	4.9938359	106.812904	0.0000000	870.097656
## 375	4.9938359	106.812904	0.0000000	870.097656
## 393	9.2397509	1597.288818	205.5999756	1926.865356
## 316.1	16.4386654	69.361237	0.0000000	790.898438
## 321	16.4386654	69.361237	0.0000000	790.898438
## 381	5.3538556	87.861000	93.7501297	656.094238
## 399	4.7961726	32.938286	15.0616875	641.091797
## 399.1	4.7961726	32.938286	15.0616875	641.091797
## 400	4.7961726	32.938286	15.0616875	641.091797
## 402	7.8669987	2015.578613	403.2539063	1335.528442
## 408	13.4316235	2039.667358	0.0000000	1792.557373
## 408.1	13.4316235	2039.667358	0.0000000	1792.557373
## 409	13.4316235	2039.667358	0.0000000	1792.557373
## 417	8.7575893	1817.962891	19.5931397	1970.822021
## 411	5.7819715	1862.439819	74.2553711	1875.576904
## 408.2	13.4316235	2039.667358	0.0000000	1792.557373
## 409.1	13.4316235	2039.667358	0.0000000	1792.557373
## 410	13.4316235	2039.667358	0.0000000	1792.557373
## 431	3.4628382	1912.839111	544.9106445	1387.012939
## 435	3.5025470	2004.366821	273.4678955	1557.141968
## 433	4.1327300	1887.211914	370.0378418	1582.017944
## 427	2.9331574	1959.940918	768.9201660	1140.816040
## 447	7.8809819	1479.922363	541.8564453	1416.249023
## 449	5.0494504	1468.783325	346.5784912	1551.668701
## 465	3.6931343	1862.971313	425.3887939	1607.857544
## 470	3.9042895	2079.332520	839.6665039	832.405518
## 460	3.9741473	1889.592896	71.6280518	1832.635986
## 479	14.9915800	1721.782227	0.0000000	2079.415527
## 402.1	7.8669987	2015.578613	403.2539063	1335.528442
## 403	7.8669987	2015.578613	403.2539063	1335.528442
## 502	4.5681300	2104.619873	49.8527832	1812.846191
## 502.1	4.5681300	2104.619873	49.8527832	1812.846191
## 503	4.5681300	2104.619873	49.8527832	1812.846191
## 497	4.3295393	149.180038	32.4307404	914.197754
## 514	4.8230939	1948.570923	380.2337646	1604.439819

## 507	6.3608766	144.381119	38.6745148	904.876465
## 399.2	4.7961726	32.938286	15.0616875	641.091797
## 400.1	4.7961726	32.938286	15.0616875	641.091797
## 401	4.7961726	32.938286	15.0616875	641.091797
## 497.1	4.3295393	149.180038	32.4307404	914.197754
## 508	4.3295393	149.180038	32.4307404	914.197754
## 495	3.6831291	163.900787	117.5712891	910.107910
## 572	14.6706257	743.335266	0.0000000	2280.642090
## 574	3.0601373	679.558838	148.4966431	2183.432373
## 574.1	3.0601373	679.558838	148.4966431	2183.432373
## 575	3.0601373	679.558838	148.4966431	2183.432373
## 579	3.9583619	929.127625	72.0962524	2066.505859
## 579.1	3.9583619	929.127625	72.0962524	2066.505859
## 582	3.9583619	929.127625	72.0962524	2066.505859
## 586	14.5934267	750.611328	0.0000000	2268.301025
## 572.1	14.6706257	743.335266	0.0000000	2280.642090
## 573	14.6706257	743.335266	0.0000000	2280.642090
## 599	6.1174922	245.326553	26.0900726	1189.612305
## 612	2.8031127	2320.112793	410.0258789	1280.092285
## 617	22.5117168	285.610992	0.0000000	946.549805
## 616	6.2948580	2047.009277	341.5458984	1597.726563
## 641	4.2563319	2296.983398	248.6274414	1481.627075
## 662	4.1909161	2311.729736	444.4084473	1298.217041
## 668	3.9717832	741.943787	226.9723511	1241.527100
## 678	6.4650960	412.113586	23.9420776	789.310547
## 677	3.0120373	107.893517	21.0231247	663.795410
## 647	5.2050204	110.033295	6.1612015	571.786133
## 700	5.1955915	25.281536	5.8850689	605.083984
## 704	4.8615680	477.098938	294.0679321	1925.037598
## 709	3.4331629	382.586456	38.0800476	2073.481201
## 732	3.7397547	363.003632	30.3853760	1941.627930
## 806	12.9898338	554.111145	0.0000000	801.734375
## 700.1	5.1955915	25.281536	5.8850689	605.083984
## 701	5.1955915	25.281536	5.8850689	605.083984
## 851	4.7471142	2221.409180	1209.3127440	493.263061
## 859	13.9750853	141.083359	0.0000000	409.408691
## 887	3.8236496	491.806458	59.0259399	1988.955322
## 894	2.8031135	479.096680	420.9028320	1604.983154
## 896	3.3151453	489.501587	194.9983521	1846.677979
## 899	4.9374747	420.189392	18.6992798	2021.194580
## 901	4.9638295	419.038757	0.2947083	2013.012207
## 910	3.9473772	441.556885	94.4434204	1921.183105
## 894.1	2.8031135	479.096680	420.9028320	1604.983154
## 900	2.8031135	479.096680	420.9028320	1604.983154
## 917	2.9404607	376.756714	7.6599121	1924.747314
## 926	4.3130326	396.943237	33.6122437	1983.284668
## 892	3.7966070	399.659485	21.5630188	1983.156006
## 945	4.1098971	500.852814	11.3694763	1997.523193
## 937	4.4835777	533.260132	11.2680664	1980.872314
## 908	6.6976228	542.833740	15.6941528	2040.277832
## 958	4.7538595	365.926056	28.6572876	1776.454102
## 971	6.3314257	262.524048	14.7259216	1257.080566
## 985	4.4748454	1099.633179	588.7281494	333.002685
## 1019	5.0684118	1765.485474	1187.4874270	520.889648

## 1039	4.1606469	1228.303955	383.6121826	197.552246
## 1017	3.1586878	1689.599854	1340.0939940	327.048340
## 1097	5.0503640	442.959564	104.4013367	220.863281
## 1135	3.6894794	720.450562	39.8822632	724.706055
## 1135.1	3.6894794	720.450562	39.8822632	724.706055
## 1136	3.6894794	720.450562	39.8822632	724.706055
## 1139	2.8031132	1014.512512	767.4039917	86.253662
## 1139.1	2.8031132	1014.512512	767.4039917	86.253662
## 1140	2.8031132	1014.512512	767.4039917	86.253662
## 1145	3.8033345	639.365234	29.9954224	523.803223
## 1143	3.5694373	666.682678	56.2616577	527.416016
## 1145.1	3.8033345	639.365234	29.9954224	523.803223
## 1146	3.8033345	639.365234	29.9954224	523.803223
## 1138	3.7667999	653.255554	37.1606445	560.703125
## 1167	4.3421388	1256.931030	191.2918701	1569.187988
## 1173	2.9229994	804.948853	321.7182617	1486.761719
## 1175	3.5536926	514.235474	33.8759155	1873.526611
## 1178	3.7928793	554.088196	31.2734375	1910.007324
## 1217	3.9669940	70.366669	117.1886749	397.944824
## 1211	6.1250191	156.830887	63.4269409	325.142578
## 1131	4.2489433	2143.375977	409.9575195	1369.443359
## 1250	4.9609251	37.261658	4.4188614	544.536621
## 1253	5.1655202	33.727226	7.4578781	537.946289
## 1268	2.8031132	2155.558838	82.3857422	1697.003906
## 1248	8.8596087	179.331268	2.1151886	262.104004
## 1249	3.3329294	194.250244	13.4720001	203.884766
## 1216	10.4650764	128.388092	25.3392487	420.951660
## 1216.1	10.4650764	128.388092	25.3392487	420.951660
## 1280	10.4650764	128.388092	25.3392487	420.951660
## 1266	4.7690811	2384.735596	280.0139160	1385.268799
## 1293	5.2275701	1081.264893	90.4016113	1040.750244
## 1295	9.5981798	1392.301636	498.6156006	829.598144
## 1295.1	9.5981798	1392.301636	498.6156006	829.598144
## 1296	9.5981798	1392.301636	498.6156006	829.598144
## 1305	7.3655276	1038.017212	52.6494141	1017.920898
## 1308	4.4134951	1416.370850	651.7678223	708.480713
## 1308.1	4.4134951	1416.370850	651.7678223	708.480713
## 1309	4.4134951	1416.370850	651.7678223	708.480713
## 1311	5.8573966	1303.237671	666.3181152	597.810059
## 1315	3.7395265	1464.350830	489.1210938	932.103027
## 1315.1	3.7395265	1464.350830	489.1210938	932.103027
## 1316	3.7395265	1464.350830	489.1210938	932.103027
## 1318	6.4593692	999.700378	21.2435913	1027.642090
## 1320	8.4665184	938.833252	0.0000000	1028.854248
## 1315.2	3.7395265	1464.350830	489.1210938	932.103027
## 1316.1	3.7395265	1464.350830	489.1210938	932.103027
## 1317	3.7395265	1464.350830	489.1210938	932.103027
## 1327	7.5888391	1461.149414	216.1558838	1211.583740
## 1341	4.4076214	735.528625	165.7489014	365.025391
## 1345	4.3849678	780.528625	119.4987793	523.719727
## 1350	3.2540674	657.205078	223.2676392	95.475098
## 1408	6.6565018	2267.755371	414.0234375	1361.430298
## 1438	5.3018832	50.900997	65.9602508	440.154297
## 1443	5.0626559	58.625092	75.4300537	422.601562

## 1443.1	5.0626559	58.625092	75.4300537	422.601562
## 1444	5.0626559	58.625092	75.4300537	422.601562
## 1290	3.2752237	96.993759	133.1726837	320.841309
## 1465	3.9441731	184.897003	70.4082794	273.720703
## 1474	3.8899629	2318.796631	295.4545898	1442.437012
## 1474.1	3.8899629	2318.796631	295.4545898	1442.437012
## 1475	3.8899629	2318.796631	295.4545898	1442.437012
## 1485	3.6559660	2587.156006	831.9821777	800.671265
## 1503	5.4596581	226.493149	10.7012329	131.911621
## 1506	3.8102071	181.698624	34.3847199	236.086426
## 1509	5.8063178	2010.419434	1138.8303220	848.819214
## 1533	19.7392616	886.166321	0.0000000	930.060303
## 1533.1	19.7392616	886.166321	0.0000000	930.060303
## 1534	19.7392616	886.166321	0.0000000	930.060303
## 1533.2	19.7392616	886.166321	0.0000000	930.060303
## 1534.1	19.7392616	886.166321	0.0000000	930.060303
## 1537	19.7392616	886.166321	0.0000000	930.060303
## 1533.3	19.7392616	886.166321	0.0000000	930.060303
## 1534.2	19.7392616	886.166321	0.0000000	930.060303
## 1537.1	19.7392616	886.166321	0.0000000	930.060303
## 1539	19.7392616	886.166321	0.0000000	930.060303
## 1545	11.6119013	833.013123	4.5423584	786.327393
## 1545.1	11.6119013	833.013123	4.5423584	786.327393
## 1546	11.6119013	833.013123	4.5423584	786.327393
## 1548	4.9055281	848.869507	11.9083862	811.672852
## 1552	5.2082901	1094.914185	247.8640137	925.499756
## 1552.1	5.2082901	1094.914185	247.8640137	925.499756
## 1557	5.2082901	1094.914185	247.8640137	925.499756
## 1571	10.1432304	327.241882	3.6469421	568.887207
## 1580	4.0290933	2518.972900	100.5285645	1452.964233
## 1570	13.0510626	337.583282	0.0000000	592.571289
## 1584	4.6498294	2658.326660	115.6162109	1348.087646
## 1584.1	4.6498294	2658.326660	115.6162109	1348.087646
## 1606	4.6498294	2658.326660	115.6162109	1348.087646
## 1609	6.4983692	392.045258	23.0377197	539.750000
## 1612	4.2050433	878.940735	1055.3093260	17.118408
## 1624	3.8366055	1641.641479	258.7185059	1406.570801
## 1629	6.2536020	1577.534912	307.8532715	1362.462891
## 1631	5.8868470	1592.086182	221.2471924	1458.285645
## 1642	21.2940464	267.722168	0.0000000	1139.909668
## 1663	2.8028696	260.855957	8.8107300	923.984375
## 1702	9.4922447	2972.222412	0.0000000	1243.628540
## 1700	9.7454338	2717.083252	0.0000000	1466.243408
## 1719	5.6394539	224.572052	6.2334747	57.294434
## 1719.1	5.6394539	224.572052	6.2334747	57.294434
## 1720	5.6394539	224.572052	6.2334747	57.294434
## 1731	3.1644588	198.052612	162.0585022	176.415527
## 1742	6.2244191	103.964912	131.9521484	298.809082
## 1698	3.4389672	154.089188	8.9386292	324.069336
## 1749	6.5491085	103.446854	101.2540283	342.315430
## 1741	0.5864325	94.850517	109.8532028	341.714356
## 1768	5.1114855	2579.320557	26.9851074	1506.833130
## 1807	4.5890551	45.392975	127.4402618	365.084473
## 1771	3.3571515	42.250034	140.3332520	364.775391

## 1814	16.3443089	1811.834473	0.0000000	1318.423096
## 1830	3.2427108	996.675049	1121.2690430	62.676270
## 1848	6.7961617	755.209900	97.4010010	1175.378418
## 1853	5.4767303	1857.216431	25.6448975	1597.169189
## 1863	13.5643158	1746.322754	247.8758545	1411.580322
## 1862	7.4241080	1704.039185	306.6270752	1357.686279
## 1862.1	7.4241080	1704.039185	306.6270752	1357.686279
## 1867	7.4241080	1704.039185	306.6270752	1357.686279
## 1865	6.4272790	1789.064331	205.1342773	1448.729980
## 1862.2	7.4241080	1704.039185	306.6270752	1357.686279
## 1867.1	7.4241080	1704.039185	306.6270752	1357.686279
## 1868	7.4241080	1704.039185	306.6270752	1357.686279
## 1862.3	7.4241080	1704.039185	306.6270752	1357.686279
## 1867.2	7.4241080	1704.039185	306.6270752	1357.686279
## 1868.1	7.4241080	1704.039185	306.6270752	1357.686279
## 1872	7.4241080	1704.039185	306.6270752	1357.686279
## 1879	4.2841525	533.417969	46.6935425	589.049805
## 1911	4.7966924	164.859344	40.8072662	337.460938
## 1952	12.9264307	32.190334	28.5051651	416.706543
## 1954	3.7502370	30.485537	110.2370148	325.592773
## 1973	4.0991616	2721.025391	729.2524414	971.382446
## 1989	3.5689490	1074.579346	661.4210205	656.480713
## 1994	4.5294452	2527.895508	131.4665527	954.100098
## 1996	4.4242601	2561.926270	146.9633789	923.237427
## 1998	4.1697974	2552.760498	613.5720215	832.818359
## 1998.1	4.1697974	2552.760498	613.5720215	832.818359
## 1999	4.1697974	2552.760498	613.5720215	832.818359
## 2001	4.3362651	2466.033447	114.4118652	994.500732
## 2021	4.7503109	2728.411865	568.9213867	1134.236572
## 2015	4.3735237	2707.430664	596.4858398	1110.016968
## 2029	8.8754587	1216.083008	0.0000000	1625.564941
## 2034	4.2852659	666.163940	69.0032959	1658.591553
## 2039	4.2172041	1638.509277	521.4343262	1142.530273
## 2045	6.7120848	1742.807739	562.7484131	1183.356689
## 2064	8.5603056	1179.797729	36.6473389	1563.757080
## 2062	3.4254105	1137.381836	175.0906982	1456.139893
## 2069	8.0296278	935.378174	208.7608643	977.342529
## 2064.1	8.5603056	1179.797729	36.6473389	1563.757080
## 2070	8.5603056	1179.797729	36.6473389	1563.757080
## 2101	3.5974121	11.462659	159.0928497	325.059082
## 2110	3.5481532	9.029902	92.8870087	380.539551
## 2113	4.0886493	13.458984	77.1982346	411.427734
## 2131	5.1992207	113.507095	26.6318054	974.400879
## 2131.1	5.1992207	113.507095	26.6318054	974.400879
## 2132	5.1992207	113.507095	26.6318054	974.400879
## 2135	5.3536997	307.110931	0.0000000	1693.442139
## 2145	3.2956247	20.773750	25.6149178	511.938477
## 2153	3.0220423	48.013676	127.2362976	298.279785
## 2162	11.9711933	3159.388672	0.0000000	732.471069
## 2162.1	11.9711933	3159.388672	0.0000000	732.471069
## 2163	11.9711933	3159.388672	0.0000000	732.471069
## 2168	4.4969530	2734.564697	292.4916992	632.678101
## 2168.1	4.4969530	2734.564697	292.4916992	632.678101
## 2169	4.4969530	2734.564697	292.4916992	632.678101

## 2179	3.3785658	2895.898438	287.2124023	644.224487
## 2178	6.9536562	2828.080322	175.0585938	797.542236
## 2182	5.7548766	2855.941406	297.2526855	691.170654
## 2162.2	11.9711933	3159.388672	0.0000000	732.471069
## 2163.1	11.9711933	3159.388672	0.0000000	732.471069
## 2164	11.9711933	3159.388672	0.0000000	732.471069
## 2187	4.5582676	2698.598633	138.0114746	926.785034
## 2162.3	11.9711933	3159.388672	0.0000000	732.471069
## 2163.2	11.9711933	3159.388672	0.0000000	732.471069
## 2164.1	11.9711933	3159.388672	0.0000000	732.471069
## 2184	11.9711933	3159.388672	0.0000000	732.471069
## 2174	5.0588775	2664.779541	54.9985352	980.206787
## 2179.1	3.3785658	2895.898438	287.2124023	644.224487
## 2180	3.3785658	2895.898438	287.2124023	644.224487
## 2212	5.7336459	2801.572021	164.0393066	1311.462891
## 2229	4.1969023	2673.395752	754.5488281	325.472900
## 2229.1	4.1969023	2673.395752	754.5488281	325.472900
## 2230	4.1969023	2673.395752	754.5488281	325.472900
## 2237	10.5764999	2780.733398	236.7109375	1341.763916
## 2247	2.9148705	394.153046	156.5135193	1794.806641
## 2252	10.7326841	621.074097	7.2313232	1826.648682
## 2275	3.4184818	1134.073120	77.0377197	1653.470215
## 2282	8.2990370	857.888855	0.0000000	1996.900635
## 2273	4.2315030	856.065857	33.0732422	1859.064697
## 2273.1	4.2315030	856.065857	33.0732422	1859.064697
## 2285	4.2315030	856.065857	33.0732422	1859.064697
## 2287	6.9488444	717.762390	122.4323120	853.864990
## 2292	7.6261301	843.475220	66.4969482	1063.581787
## 2297	4.1179957	1044.987793	125.7894287	1287.484863
## 2300	4.9599566	1052.693726	10.2785644	1451.696045
## 2302	6.2276316	807.861389	0.0000000	2025.303223
## 2308	4.7871714	602.508057	40.0477295	950.950440
## 2308.1	4.7871714	602.508057	40.0477295	950.950440
## 2309	4.7871714	602.508057	40.0477295	950.950440
## 2323	5.3726706	437.111298	0.0000000	1116.262207
## 2339	4.7370286	278.721252	10.4731445	534.270019
## 2357	3.6599410	12.854765	203.4783783	291.098633
## 2360	3.6452212	12.560206	248.0515137	236.545410
## 2349	4.9844599	12.613543	203.0528564	288.696289
## 2367	4.0962296	113.921753	27.8560028	1227.545410
## 2366	9.6133051	10.370938	32.8512726	445.336426
## 2380	3.6773381	30.284960	38.4369965	504.495606
## 2418	4.9239569	65.714478	14.9799499	1178.098145
## 2433	7.5907145	69.694427	0.0000000	993.887207
## 2442	7.0991383	65.063004	2.1592636	932.527832
## 2450	11.3563023	65.791985	1.9048538	808.649902
## 2463	7.8371596	2778.539551	506.4331055	929.299438
## 2480	5.6091185	2781.945313	149.8603516	1317.311035
## 2493	4.6121736	2732.589844	398.6875000	1207.235718
## 2504	6.8203268	2704.990723	190.7033691	1379.520264
## 2508	4.4471068	2781.593506	159.2397461	1372.166870
## 2512	7.2699623	2817.960693	20.0668945	1461.245483
## 2525	10.8066416	721.888489	0.0000000	1992.434326
## 2533	3.6592178	554.256775	0.0000000	2138.479248

## 2541	3.4275680	595.191162			40.6698608	1977.933350
## 2548	3.3722513	603.504456			66.6898193	2140.596436
## 2556	4.7524161	717.316467			43.1284180	2167.370850
## 2568	3.3132119	560.981140			56.2683716	2005.865479
## 2574	4.1633592	373.645264			14.3266602	1328.969727
## 2573	6.0020857	406.369690			9.9081421	1364.113525
## 2574.1	4.1633592	373.645264			14.3266602	1328.969727
## 2575	4.1633592	373.645264			14.3266602	1328.969727
## 2585	4.1976662	325.082062			64.8901367	1082.274414
## 2574.2	4.1633592	373.645264			14.3266602	1328.969727
## 2575.1	4.1633592	373.645264			14.3266602	1328.969727
## 2579	4.1633592	373.645264			14.3266602	1328.969727
## 2574.3	4.1633592	373.645264			14.3266602	1328.969727
## 2575.2	4.1633592	373.645264			14.3266602	1328.969727
## 2579.1	4.1633592	373.645264			14.3266602	1328.969727
## 2591	4.1633592	373.645264			14.3266602	1328.969727
## 2574.4	4.1633592	373.645264			14.3266602	1328.969727
##	RelativeSlopePosition	DEMSRE3a	etmnts3a	evmmmod3a	evsmod3a	g01igb3a
## 3	0.094131723	100	12185	5741	1051	10
## 3.1	0.094131723	100	12185	5741	1051	10
## 4	0.094131723	100	12185	5741	1051	10
## 2	0.000000000	42	10094	5449	947	14
## 11	0.001255197	13	11948	5688	1030	2
## 11.1	0.001255197	13	11948	5688	1030	2
## 12	0.001255197	13	11948	5688	1030	2
## 11.2	0.001255197	13	11948	5688	1030	2
## 12.1	0.001255197	13	11948	5688	1030	2
## 13	0.001255197	13	11948	5688	1030	2
## 11.3	0.001255197	13	11948	5688	1030	2
## 12.2	0.001255197	13	11948	5688	1030	2
## 13.1	0.001255197	13	11948	5688	1030	2
## 14	0.001255197	13	11948	5688	1030	2
## 11.4	0.001255197	13	11948	5688	1030	2
## 12.3	0.001255197	13	11948	5688	1030	2
## 13.2	0.001255197	13	11948	5688	1030	2
## 14.1	0.001255197	13	11948	5688	1030	2
## 15	0.001255197	13	11948	5688	1030	2
## 17	0.022294046	41	13851	5432	1317	2
## 11.5	0.001255197	13	11948	5688	1030	2
## 12.4	0.001255197	13	11948	5688	1030	2
## 13.3	0.001255197	13	11948	5688	1030	2
## 14.2	0.001255197	13	11948	5688	1030	2
## 15.1	0.001255197	13	11948	5688	1030	2
## 16	0.001255197	13	11948	5688	1030	2
## 17.1	0.022294046	41	13851	5432	1317	2
## 18	0.022294046	41	13851	5432	1317	2
## 17.2	0.022294046	41	13851	5432	1317	2
## 18.1	0.022294046	41	13851	5432	1317	2
## 21	0.022294046	41	13851	5432	1317	2
## 17.3	0.022294046	41	13851	5432	1317	2
## 18.2	0.022294046	41	13851	5432	1317	2
## 21.1	0.022294046	41	13851	5432	1317	2
## 22	0.022294046	41	13851	5432	1317	2
## 17.4	0.022294046	41	13851	5432	1317	2



## 18.3	0.022294046	41	13851	5432	1317	2
## 21.2	0.022294046	41	13851	5432	1317	2
## 22.1	0.022294046	41	13851	5432	1317	2
## 23	0.022294046	41	13851	5432	1317	2
## 17.5	0.022294046	41	13851	5432	1317	2
## 18.4	0.022294046	41	13851	5432	1317	2
## 21.3	0.022294046	41	13851	5432	1317	2
## 22.2	0.022294046	41	13851	5432	1317	2
## 23.1	0.022294046	41	13851	5432	1317	2
## 24	0.022294046	41	13851	5432	1317	2
## 17.6	0.022294046	41	13851	5432	1317	2
## 18.5	0.022294046	41	13851	5432	1317	2
## 21.4	0.022294046	41	13851	5432	1317	2
## 22.3	0.022294046	41	13851	5432	1317	2
## 23.2	0.022294046	41	13851	5432	1317	2
## 24.1	0.022294046	41	13851	5432	1317	2
## 25	0.022294046	41	13851	5432	1317	2
## 17.7	0.022294046	41	13851	5432	1317	2
## 18.6	0.022294046	41	13851	5432	1317	2
## 21.5	0.022294046	41	13851	5432	1317	2
## 22.4	0.022294046	41	13851	5432	1317	2
## 23.3	0.022294046	41	13851	5432	1317	2
## 24.2	0.022294046	41	13851	5432	1317	2
## 25.1	0.022294046	41	13851	5432	1317	2
## 26	0.022294046	41	13851	5432	1317	2
## 17.8	0.022294046	41	13851	5432	1317	2
## 18.7	0.022294046	41	13851	5432	1317	2
## 21.6	0.022294046	41	13851	5432	1317	2
## 22.5	0.022294046	41	13851	5432	1317	2
## 23.4	0.022294046	41	13851	5432	1317	2
## 24.3	0.022294046	41	13851	5432	1317	2
## 25.2	0.022294046	41	13851	5432	1317	2
## 26.1	0.022294046	41	13851	5432	1317	2
## 27	0.022294046	41	13851	5432	1317	2
## 17.9	0.022294046	41	13851	5432	1317	2
## 18.8	0.022294046	41	13851	5432	1317	2
## 21.7	0.022294046	41	13851	5432	1317	2
## 22.6	0.022294046	41	13851	5432	1317	2
## 23.5	0.022294046	41	13851	5432	1317	2
## 24.4	0.022294046	41	13851	5432	1317	2
## 25.3	0.022294046	41	13851	5432	1317	2
## 26.2	0.022294046	41	13851	5432	1317	2
## 27.1	0.022294046	41	13851	5432	1317	2
## 28	0.022294046	41	13851	5432	1317	2
## 17.10	0.022294046	41	13851	5432	1317	2
## 18.9	0.022294046	41	13851	5432	1317	2
## 21.8	0.022294046	41	13851	5432	1317	2
## 22.7	0.022294046	41	13851	5432	1317	2
## 23.6	0.022294046	41	13851	5432	1317	2
## 24.5	0.022294046	41	13851	5432	1317	2
## 25.4	0.022294046	41	13851	5432	1317	2
## 26.3	0.022294046	41	13851	5432	1317	2
## 27.2	0.022294046	41	13851	5432	1317	2
## 28.1	0.022294046	41	13851	5432	1317	2

## 29	0.022294046	41	13851	5432	1317	2
## 17.11	0.022294046	41	13851	5432	1317	2
## 18.10	0.022294046	41	13851	5432	1317	2
## 21.9	0.022294046	41	13851	5432	1317	2
## 22.8	0.022294046	41	13851	5432	1317	2
## 23.7	0.022294046	41	13851	5432	1317	2
## 24.6	0.022294046	41	13851	5432	1317	2
## 25.5	0.022294046	41	13851	5432	1317	2
## 26.4	0.022294046	41	13851	5432	1317	2
## 27.3	0.022294046	41	13851	5432	1317	2
## 28.2	0.022294046	41	13851	5432	1317	2
## 29.1	0.022294046	41	13851	5432	1317	2
## 30	0.022294046	41	13851	5432	1317	2
## 17.12	0.022294046	41	13851	5432	1317	2
## 18.11	0.022294046	41	13851	5432	1317	2
## 21.10	0.022294046	41	13851	5432	1317	2
## 22.9	0.022294046	41	13851	5432	1317	2
## 23.8	0.022294046	41	13851	5432	1317	2
## 24.7	0.022294046	41	13851	5432	1317	2
## 25.6	0.022294046	41	13851	5432	1317	2
## 26.5	0.022294046	41	13851	5432	1317	2
## 27.4	0.022294046	41	13851	5432	1317	2
## 28.3	0.022294046	41	13851	5432	1317	2
## 29.2	0.022294046	41	13851	5432	1317	2
## 30.1	0.022294046	41	13851	5432	1317	2
## 31	0.022294046	41	13851	5432	1317	2
## 17.13	0.022294046	41	13851	5432	1317	2
## 18.12	0.022294046	41	13851	5432	1317	2
## 21.11	0.022294046	41	13851	5432	1317	2
## 22.10	0.022294046	41	13851	5432	1317	2
## 23.9	0.022294046	41	13851	5432	1317	2
## 24.8	0.022294046	41	13851	5432	1317	2
## 25.7	0.022294046	41	13851	5432	1317	2
## 26.6	0.022294046	41	13851	5432	1317	2
## 27.5	0.022294046	41	13851	5432	1317	2
## 28.4	0.022294046	41	13851	5432	1317	2
## 29.3	0.022294046	41	13851	5432	1317	2
## 30.2	0.022294046	41	13851	5432	1317	2
## 31.1	0.022294046	41	13851	5432	1317	2
## 32	0.022294046	41	13851	5432	1317	2
## 17.14	0.022294046	41	13851	5432	1317	2
## 18.13	0.022294046	41	13851	5432	1317	2
## 21.12	0.022294046	41	13851	5432	1317	2
## 22.11	0.022294046	41	13851	5432	1317	2
## 23.10	0.022294046	41	13851	5432	1317	2
## 24.9	0.022294046	41	13851	5432	1317	2
## 25.8	0.022294046	41	13851	5432	1317	2
## 26.7	0.022294046	41	13851	5432	1317	2
## 27.6	0.022294046	41	13851	5432	1317	2
## 28.5	0.022294046	41	13851	5432	1317	2
## 29.4	0.022294046	41	13851	5432	1317	2
## 30.3	0.022294046	41	13851	5432	1317	2
## 31.2	0.022294046	41	13851	5432	1317	2
## 32.1	0.022294046	41	13851	5432	1317	2

## 33	0.022294046	41	13851	5432	1317	2
## 17.15	0.022294046	41	13851	5432	1317	2
## 18.14	0.022294046	41	13851	5432	1317	2
## 21.13	0.022294046	41	13851	5432	1317	2
## 22.12	0.022294046	41	13851	5432	1317	2
## 23.11	0.022294046	41	13851	5432	1317	2
## 24.10	0.022294046	41	13851	5432	1317	2
## 25.9	0.022294046	41	13851	5432	1317	2
## 26.8	0.022294046	41	13851	5432	1317	2
## 27.7	0.022294046	41	13851	5432	1317	2
## 28.6	0.022294046	41	13851	5432	1317	2
## 29.5	0.022294046	41	13851	5432	1317	2
## 30.4	0.022294046	41	13851	5432	1317	2
## 31.3	0.022294046	41	13851	5432	1317	2
## 32.2	0.022294046	41	13851	5432	1317	2
## 33.1	0.022294046	41	13851	5432	1317	2
## 34	0.022294046	41	13851	5432	1317	2
## 17.16	0.022294046	41	13851	5432	1317	2
## 18.15	0.022294046	41	13851	5432	1317	2
## 21.14	0.022294046	41	13851	5432	1317	2
## 22.13	0.022294046	41	13851	5432	1317	2
## 23.12	0.022294046	41	13851	5432	1317	2
## 24.11	0.022294046	41	13851	5432	1317	2
## 25.10	0.022294046	41	13851	5432	1317	2
## 26.9	0.022294046	41	13851	5432	1317	2
## 27.8	0.022294046	41	13851	5432	1317	2
## 28.7	0.022294046	41	13851	5432	1317	2
## 29.6	0.022294046	41	13851	5432	1317	2
## 30.5	0.022294046	41	13851	5432	1317	2
## 31.4	0.022294046	41	13851	5432	1317	2
## 32.3	0.022294046	41	13851	5432	1317	2
## 33.2	0.022294046	41	13851	5432	1317	2
## 34.1	0.022294046	41	13851	5432	1317	2
## 35	0.022294046	41	13851	5432	1317	2
## 17.17	0.022294046	41	13851	5432	1317	2
## 18.16	0.022294046	41	13851	5432	1317	2
## 21.15	0.022294046	41	13851	5432	1317	2
## 22.14	0.022294046	41	13851	5432	1317	2
## 23.13	0.022294046	41	13851	5432	1317	2
## 24.12	0.022294046	41	13851	5432	1317	2
## 25.11	0.022294046	41	13851	5432	1317	2
## 26.10	0.022294046	41	13851	5432	1317	2
## 27.9	0.022294046	41	13851	5432	1317	2
## 28.8	0.022294046	41	13851	5432	1317	2
## 29.7	0.022294046	41	13851	5432	1317	2
## 30.6	0.022294046	41	13851	5432	1317	2
## 31.5	0.022294046	41	13851	5432	1317	2
## 32.4	0.022294046	41	13851	5432	1317	2
## 33.3	0.022294046	41	13851	5432	1317	2
## 34.2	0.022294046	41	13851	5432	1317	2
## 35.1	0.022294046	41	13851	5432	1317	2
## 36	0.022294046	41	13851	5432	1317	2
## 17.18	0.022294046	41	13851	5432	1317	2
## 18.17	0.022294046	41	13851	5432	1317	2

## 21.16	0.022294046	41	13851	5432	1317	2
## 22.15	0.022294046	41	13851	5432	1317	2
## 23.14	0.022294046	41	13851	5432	1317	2
## 24.13	0.022294046	41	13851	5432	1317	2
## 25.12	0.022294046	41	13851	5432	1317	2
## 26.11	0.022294046	41	13851	5432	1317	2
## 27.10	0.022294046	41	13851	5432	1317	2
## 28.9	0.022294046	41	13851	5432	1317	2
## 29.8	0.022294046	41	13851	5432	1317	2
## 30.7	0.022294046	41	13851	5432	1317	2
## 31.6	0.022294046	41	13851	5432	1317	2
## 32.5	0.022294046	41	13851	5432	1317	2
## 33.4	0.022294046	41	13851	5432	1317	2
## 34.3	0.022294046	41	13851	5432	1317	2
## 35.2	0.022294046	41	13851	5432	1317	2
## 36.1	0.022294046	41	13851	5432	1317	2
## 37	0.022294046	41	13851	5432	1317	2
## 17.19	0.022294046	41	13851	5432	1317	2
## 18.18	0.022294046	41	13851	5432	1317	2
## 21.17	0.022294046	41	13851	5432	1317	2
## 22.16	0.022294046	41	13851	5432	1317	2
## 23.15	0.022294046	41	13851	5432	1317	2
## 24.14	0.022294046	41	13851	5432	1317	2
## 25.13	0.022294046	41	13851	5432	1317	2
## 26.12	0.022294046	41	13851	5432	1317	2
## 27.11	0.022294046	41	13851	5432	1317	2
## 28.10	0.022294046	41	13851	5432	1317	2
## 29.9	0.022294046	41	13851	5432	1317	2
## 30.8	0.022294046	41	13851	5432	1317	2
## 31.7	0.022294046	41	13851	5432	1317	2
## 32.6	0.022294046	41	13851	5432	1317	2
## 33.5	0.022294046	41	13851	5432	1317	2
## 34.4	0.022294046	41	13851	5432	1317	2
## 35.3	0.022294046	41	13851	5432	1317	2
## 36.2	0.022294046	41	13851	5432	1317	2
## 37.1	0.022294046	41	13851	5432	1317	2
## 38	0.022294046	41	13851	5432	1317	2
## 17.20	0.022294046	41	13851	5432	1317	2
## 18.19	0.022294046	41	13851	5432	1317	2
## 21.18	0.022294046	41	13851	5432	1317	2
## 22.17	0.022294046	41	13851	5432	1317	2
## 23.16	0.022294046	41	13851	5432	1317	2
## 24.15	0.022294046	41	13851	5432	1317	2
## 25.14	0.022294046	41	13851	5432	1317	2
## 26.13	0.022294046	41	13851	5432	1317	2
## 27.12	0.022294046	41	13851	5432	1317	2
## 28.11	0.022294046	41	13851	5432	1317	2
## 29.10	0.022294046	41	13851	5432	1317	2
## 30.9	0.022294046	41	13851	5432	1317	2
## 31.8	0.022294046	41	13851	5432	1317	2
## 32.7	0.022294046	41	13851	5432	1317	2
## 33.6	0.022294046	41	13851	5432	1317	2
## 34.5	0.022294046	41	13851	5432	1317	2
## 35.4	0.022294046	41	13851	5432	1317	2

## 36.3	0.022294046	41	13851	5432	1317	2
## 37.2	0.022294046	41	13851	5432	1317	2
## 38.1	0.022294046	41	13851	5432	1317	2
## 39	0.022294046	41	13851	5432	1317	2
## 17.21	0.022294046	41	13851	5432	1317	2
## 18.20	0.022294046	41	13851	5432	1317	2
## 21.19	0.022294046	41	13851	5432	1317	2
## 22.18	0.022294046	41	13851	5432	1317	2
## 23.17	0.022294046	41	13851	5432	1317	2
## 24.16	0.022294046	41	13851	5432	1317	2
## 25.15	0.022294046	41	13851	5432	1317	2
## 26.14	0.022294046	41	13851	5432	1317	2
## 27.13	0.022294046	41	13851	5432	1317	2
## 28.12	0.022294046	41	13851	5432	1317	2
## 29.11	0.022294046	41	13851	5432	1317	2
## 30.10	0.022294046	41	13851	5432	1317	2
## 31.9	0.022294046	41	13851	5432	1317	2
## 32.8	0.022294046	41	13851	5432	1317	2
## 33.7	0.022294046	41	13851	5432	1317	2
## 34.6	0.022294046	41	13851	5432	1317	2
## 35.5	0.022294046	41	13851	5432	1317	2
## 36.4	0.022294046	41	13851	5432	1317	2
## 37.3	0.022294046	41	13851	5432	1317	2
## 38.2	0.022294046	41	13851	5432	1317	2
## 39.1	0.022294046	41	13851	5432	1317	2
## 41	0.022294046	41	13851	5432	1317	2
## 10	0.000000000	16	9390	5740	1078	2
## 50	0.102616422	162	11981	4870	1160	2
## 51	0.085432701	124	12383	4882	933	2
## 58	0.037498653	92	10516	4461	1009	2
## 44	0.008135803	20	12168	5211	1074	2
## 49	0.000202761	15	14638	5757	1106	13
## 9	0.011821004	24	14863	5254	1140	14
## 58.1	0.037498653	92	10516	4461	1009	2
## 59	0.037498653	92	10516	4461	1009	2
## 74	0.034405824	84	13263	5403	1007	2
## 76	0.010990076	28	11052	5672	1259	14
## 88	0.052131642	86	10883	5201	1136	2
## 83	0.025218133	56	12429	5241	1280	2
## 89	0.023792833	57	13666	5269	883	2
## 79	0.036667001	59	13157	5205	1090	2
## 76.1	0.010990076	28	11052	5672	1259	14
## 77	0.010990076	28	11052	5672	1259	14
## 73	0.000000000	69	12262	4966	1430	14
## 72	0.046510000	108	8586	4987	1218	2
## 71	0.020475401	60	11137	5085	912	14
## 96	0.000972140	29	13786	4956	909	2
## 74.1	0.034405824	84	13263	5403	1007	2
## 75	0.034405824	84	13263	5403	1007	2
## 104	0.018015556	36	10587	3438	810	14
## 119	0.075472280	72	6342	4189	1548	2
## 129	0.998066664	4165	8468	2335	651	10
## 128	0.783969045	2910	10727	4342	893	10
## 122	0.779694498	3018	8743	5055	1035	10

## 142	0.086428910	141	11614	5246	1266	14
## 150	0.052879922	197	8577	5694	1181	14
## 121	0.000000000	30	8269	5415	997	14
## 167	0.000000000	51	12349	5708	1050	9
## 121.1	0.000000000	30	8269	5415	997	14
## 154	0.000000000	30	8269	5415	997	14
## 142.1	0.086428910	141	11614	5246	1266	14
## 146	0.086428910	141	11614	5246	1266	14
## 119.1	0.075472280	72	6342	4189	1548	2
## 120	0.075472280	72	6342	4189	1548	2
## 177	0.031550676	120	11507	4139	1162	2
## 174	0.007432655	36	7816	5072	932	14
## 175	0.198093235	171	8737	4027	1511	9
## 176	0.030509824	30	7062	4394	1096	11
## 135	0.000000000	734	13243	5686	488	2
## 169	0.042200454	115	9946	5270	940	2
## 196	0.128862992	157	7360	4477	1512	2
## 196.1	0.128862992	157	7360	4477	1512	2
## 197	0.128862992	157	7360	4477	1512	2
## 196.2	0.128862992	157	7360	4477	1512	2
## 197.1	0.128862992	157	7360	4477	1512	2
## 198	0.128862992	157	7360	4477	1512	2
## 196.3	0.128862992	157	7360	4477	1512	2
## 197.2	0.128862992	157	7360	4477	1512	2
## 198.1	0.128862992	157	7360	4477	1512	2
## 199	0.128862992	157	7360	4477	1512	2
## 196.4	0.128862992	157	7360	4477	1512	2
## 197.3	0.128862992	157	7360	4477	1512	2
## 198.2	0.128862992	157	7360	4477	1512	2
## 199.1	0.128862992	157	7360	4477	1512	2
## 200	0.128862992	157	7360	4477	1512	2
## 195	0.084965594	87	8061	4293	1463	2
## 206	0.789340079	3228	10837	4468	861	13
## 208	0.820007741	3331	10063	4094	638	2
## 213	0.751179397	3030	11010	4620	650	2
## 213.1	0.751179397	3030	11010	4620	650	2
## 214	0.751179397	3030	11010	4620	650	2
## 213.2	0.751179397	3030	11010	4620	650	2
## 214.1	0.751179397	3030	11010	4620	650	2
## 215	0.751179397	3030	11010	4620	650	2
## 217	0.825661898	3305	11112	4024	835	2
## 217.1	0.825661898	3305	11112	4024	835	2
## 218	0.825661898	3305	11112	4024	835	2
## 231	0.740098357	3233	10478	4819	1169	10
## 242	0.914735436	3468	9882	3613	479	2
## 250	0.835013390	3153	10776	4955	693	10
## 223	0.795453489	3379	9140	4813	610	2
## 238	0.049428444	46	10276	4275	1942	2
## 246	0.690180898	3046	10879	4944	897	5
## 246.1	0.690180898	3046	10879	4944	897	5
## 260	0.690180898	3046	10879	4944	897	5
## 282	0.785838246	3195	9619	4922	744	10
## 284	0.000000000	36	9828	4636	962	2
## 196.5	0.128862992	157	7360	4477	1512	2

## 197.4	0.128862992	157	7360	4477	1512	2
## 198.3	0.128862992	157	7360	4477	1512	2
## 199.2	0.128862992	157	7360	4477	1512	2
## 200.1	0.128862992	157	7360	4477	1512	2
## 201	0.128862992	157	7360	4477	1512	2
## 195.1	0.084965594	87	8061	4293	1463	2
## 202	0.084965594	87	8061	4293	1463	2
## 238.1	0.049428444	46	10276	4275	1942	2
## 254	0.049428444	46	10276	4275	1942	2
## 296	0.061522860	56	14599	4708	1615	2
## 237	0.071971573	77	14717	6870	486	0
## 296.1	0.061522860	56	14599	4708	1615	2
## 297	0.061522860	56	14599	4708	1615	2
## 275	0.853577971	3545	9489	3476	419	10
## 296.2	0.061522860	56	14599	4708	1615	2
## 297.1	0.061522860	56	14599	4708	1615	2
## 299	0.061522860	56	14599	4708	1615	2
## 237.1	0.071971573	77	14717	6870	486	0
## 298	0.071971573	77	14717	6870	486	0
## 292	0.003278141	10	8460	3053	838	11
## 195.2	0.084965594	87	8061	4293	1463	2
## 202.1	0.084965594	87	8061	4293	1463	2
## 293	0.084965594	87	8061	4293	1463	2
## 317	0.000000000	96	13797	5285	1407	14
## 316	0.000000000	52	7804	5935	994	10
## 322	0.002512705	1435	10030	3632	576	14
## 324	0.354448944	2057	10970	5091	1128	8
## 329	0.350605935	2443	10232	3599	863	10
## 337	0.086153947	2769	9467	3701	658	14
## 355	0.385694057	2757	10132	5464	628	10
## 322.1	0.002512705	1435	10030	3632	576	14
## 323	0.002512705	1435	10030	3632	576	14
## 320	0.171677113	192	10129	5218	1266	2
## 317.1	0.000000000	96	13797	5285	1407	14
## 318	0.000000000	96	13797	5285	1407	14
## 319	0.100328982	164	10077	5361	1338	2
## 317.2	0.000000000	96	13797	5285	1407	14
## 318.1	0.000000000	96	13797	5285	1407	14
## 375	0.000000000	96	13797	5285	1407	14
## 393	0.096414216	1708	9495	2864	773	6
## 316.1	0.000000000	52	7804	5935	994	10
## 321	0.000000000	52	7804	5935	994	10
## 381	0.125026122	156	9430	5035	1266	2
## 399	0.022954518	49	14541	4659	1351	14
## 399.1	0.022954518	49	14541	4659	1351	14
## 400	0.022954518	49	14541	4659	1351	14
## 402	0.231917411	2326	10332	4027	840	10
## 408	0.000000000	1994	9486	3089	770	12
## 408.1	0.000000000	1994	9486	3089	770	12
## 409	0.000000000	1994	9486	3089	770	12
## 417	0.009843745	1838	9498	2351	679	7
## 411	0.038082954	1938	9465	2664	600	6
## 408.2	0.000000000	1994	9486	3089	770	12
## 409.1	0.000000000	1994	9486	3089	770	12

## 410	0.000000000	1994	9486	3089	770	12
## 431	0.282056004	2488	9795	2652	952	7
## 435	0.149386227	2383	9816	2914	961	10
## 433	0.189563155	2228	9582	2901	999	12
## 427	0.402631611	2809	9714	2828	855	7
## 447	0.276724845	1954	10506	5261	998	2
## 449	0.182578161	1855	11027	5223	1178	2
## 465	0.209216550	2310	9758	2305	731	10
## 470	0.502171278	2957	9883	4513	841	2
## 460	0.037614558	1951	9344	2909	543	12
## 479	0.000000000	1687	9254	2879	473	10
## 402.1	0.231917411	2326	10332	4027	840	10
## 403	0.231917411	2326	10332	4027	840	10
## 502	0.026763735	2147	10617	3745	739	9
## 502.1	0.026763735	2147	10617	3745	739	9
## 503	0.026763735	2147	10617	3745	739	9
## 497	0.034259208	165	9942	4344	1286	2
## 514	0.191585034	2294	10107	3415	688	8
## 507	0.040988263	146	8995	4982	1106	14
## 399.2	0.022954518	49	14541	4659	1351	14
## 400.1	0.022954518	49	14541	4659	1351	14
## 401	0.022954518	49	14541	4659	1351	14
## 497.1	0.034259208	165	9942	4344	1286	2
## 508	0.034259208	165	9942	4344	1286	2
## 495	0.114404656	291	8112	4220	1326	2
## 572	0.000000000	687	12169	4789	919	2
## 574	0.063679747	844	12159	5195	714	2
## 574.1	0.063679747	844	12159	5195	714	2
## 575	0.063679747	844	12159	5195	714	2
## 579	0.033711858	964	11922	5301	920	2
## 579.1	0.033711858	964	11922	5301	920	2
## 582	0.033711858	964	11922	5301	920	2
## 586	0.000000000	712	12037	5115	594	2
## 572.1	0.000000000	687	12169	4789	919	2
## 573	0.000000000	687	12169	4789	919	2
## 599	0.021460904	265	13897	5363	703	2
## 612	0.242601901	2760	10372	2946	589	14
## 617	0.000000000	268	5923	4462	1166	2
## 616	0.176120639	2383	10402	4018	803	14
## 641	0.143694147	2551	9507	3396	543	9
## 662	0.255022347	2754	9686	3104	568	10
## 668	0.154560730	1005	13123	5054	606	2
## 678	0.029439902	425	5672	5171	921	14
## 677	0.030698825	131	7263	5613	1015	14
## 647	0.010660489	111	10877	5422	996	14
## 700	0.009632352	26	7716	4444	1231	12
## 704	0.132516429	758	12273	4908	963	2
## 709	0.018034073	426	12550	5114	708	2
## 732	0.015408302	395	13276	5429	475	2
## 806	0.000000000	517	12124	5426	752	2
## 700.1	0.009632352	26	7716	4444	1231	12
## 701	0.009632352	26	7716	4444	1231	12
## 851	0.710284233	3412	10876	4312	663	14
## 859	0.000000000	140	6132	5102	1077	14



## 887	0.028821524	526	13346	4853	703	2
## 894	0.207762346	971	12235	4792	1073	2
## 896	0.095508948	714	13504	5001	582	2
## 899	0.009166790	432	13289	5027	487	2
## 901	0.000146380	401	13649	5842	838	2
## 910	0.046855614	539	13542	5195	586	2
## 894.1	0.207762346	971	12235	4792	1073	2
## 900	0.207762346	971	12235	4792	1073	2
## 917	0.003963922	385	13574	5503	547	2
## 926	0.016665326	433	13470	5326	508	2
## 892	0.010756130	421	13519	5676	587	2
## 945	0.005659574	518	13540	5679	514	2
## 937	0.005656261	544	13754	5664	668	2
## 908	0.007633447	560	13650	5366	794	2
## 958	0.015875634	390	13721	5697	512	2
## 971	0.011578744	275	14250	5228	737	2
## 985	0.638720274	1668	11951	4787	1210	2
## 1019	0.695096791	2899	8644	3233	869	12
## 1039	0.660075128	1619	11818	4484	727	2
## 1017	0.803826988	3043	10326	3679	690	8
## 1097	0.320973545	549	5996	5033	1049	2
## 1135	0.052161749	777	11891	4807	798	14
## 1135.1	0.052161749	777	11891	4807	798	14
## 1136	0.052161749	777	11891	4807	798	14
## 1139	0.898959875	1858	11327	4255	1099	2
## 1139.1	0.898959875	1858	11327	4255	1099	2
## 1140	0.898959875	1858	11327	4255	1099	2
## 1145	0.054163046	659	10198	4912	775	8
## 1143	0.096391656	698	11430	4974	766	8
## 1145.1	0.054163046	659	10198	4912	775	8
## 1146	0.054163046	659	10198	4912	775	8
## 1138	0.062155705	699	9389	4503	693	2
## 1167	0.108658940	1462	12555	5541	1002	2
## 1173	0.177894294	1179	12273	5188	1207	2
## 1175	0.017760234	550	13613	5712	527	2
## 1178	0.016109694	604	13495	5843	670	2
## 1217	0.227491856	165	10335	4231	1448	2
## 1211	0.163231894	194	5941	4360	1085	9
## 1131	0.230390757	2558	8726	2327	621	10
## 1250	0.008049580	24	11984	4031	1717	14
## 1253	0.013674039	29	11402	3333	1357	14
## 1268	0.046300001	2283	9160	2444	621	14
## 1248	0.008005431	179	4752	4705	1266	9
## 1249	0.061981048	211	5926	4893	1158	10
## 1216	0.056777425	98	8729	4827	1511	9
## 1216.1	0.056777425	98	8729	4827	1511	9
## 1280	0.056777425	98	8729	4827	1511	9
## 1266	0.168147981	2666	9607	3038	648	14
## 1293	0.079919957	1149	11155	4914	857	2
## 1295	0.375403136	1852	11829	5283	691	2
## 1295.1	0.375403136	1852	11829	5283	691	2
## 1296	0.375403136	1852	11829	5283	691	2
## 1305	0.049178846	1064	11694	4992	1099	2
## 1308	0.479153484	2064	11539	4304	1078	2

## 1308.1	0.479153484	2064	11539	4304	1078	2
## 1309	0.479153484	2064	11539	4304	1078	2
## 1311	0.527096987	1932	11588	4634	840	2
## 1315	0.344154805	1982	10726	4581	1048	2
## 1315.1	0.344154805	1982	10726	4581	1048	2
## 1316	0.344154805	1982	10726	4581	1048	2
## 1318	0.020253485	1011	11484	5118	739	2
## 1320	0.000000000	909	11742	5315	898	2
## 1315.2	0.344154805	1982	10726	4581	1048	2
## 1316.1	0.344154805	1982	10726	4581	1048	2
## 1317	0.344154805	1982	10726	4581	1048	2
## 1327	0.151397273	1647	11381	4534	787	2
## 1341	0.312277555	886	6884	4833	758	9
## 1345	0.185782552	902	11317	4578	1038	2
## 1350	0.700463474	888	8344	4713	1086	2
## 1408	0.233193025	2689	9827	3390	611	14
## 1438	0.130326718	100	10271	4927	1654	2
## 1443	0.151456356	137	12311	4282	1488	14
## 1443.1	0.151456356	137	12311	4282	1488	14
## 1444	0.151456356	137	12311	4282	1488	14
## 1290	0.293322861	243	7672	4501	1460	9
## 1465	0.204598516	237	6163	4525	1405	8
## 1474	0.170007497	2589	8882	3091	412	14
## 1474.1	0.170007497	2589	8882	3091	412	14
## 1475	0.170007497	2589	8882	3091	412	14
## 1485	0.509588957	3431	10477	4219	1013	14
## 1503	0.075036943	237	5171	4656	1094	9
## 1506	0.127128974	217	5957	4262	1178	12
## 1509	0.572953284	3153	10803	4938	753	14
## 1533	0.000000000	840	11501	4322	647	14
## 1533.1	0.000000000	840	11501	4322	647	14
## 1534	0.000000000	840	11501	4322	647	14
## 1533.2	0.000000000	840	11501	4322	647	14
## 1534.1	0.000000000	840	11501	4322	647	14
## 1537	0.000000000	840	11501	4322	647	14
## 1533.3	0.000000000	840	11501	4322	647	14
## 1534.2	0.000000000	840	11501	4322	647	14
## 1537.1	0.000000000	840	11501	4322	647	14
## 1539	0.000000000	840	11501	4322	647	14
## 1545	0.005743498	845	12598	4835	595	14
## 1545.1	0.005743498	845	12598	4835	595	14
## 1546	0.005743498	845	12598	4835	595	14
## 1548	0.014459274	856	11971	4723	797	8
## 1552	0.211242259	1305	11282	4806	929	2
## 1552.1	0.211242259	1305	11282	4806	929	2
## 1557	0.211242259	1305	11282	4806	929	2
## 1571	0.006369825	331	7031	5398	806	2
## 1580	0.064711317	2581	10524	5427	532	2
## 1570	0.000000000	331	10147	5061	594	2
## 1584	0.078988798	2730	10214	4808	896	2
## 1584.1	0.078988798	2730	10214	4808	896	2
## 1606	0.078988798	2730	10214	4808	896	2
## 1609	0.040935006	420	8965	5368	1031	14
## 1612	0.984037697	1936	12459	4875	1047	2

## 1624	0.155359492	1905	9382	4539	900	2
## 1629	0.184308380	1820	9421	4878	732	2
## 1631	0.131731391	1762	9542	5136	819	2
## 1642	0.000000000	263	13982	5734	452	14
## 1663	0.009445515	271	14398	5565	617	2
## 1702	0.000000000	2969	11188	5422	770	10
## 1700	0.000000000	2701	10754	4775	645	14
## 1719	0.098121829	227	6900	4623	1209	2
## 1719.1	0.098121829	227	6900	4623	1209	2
## 1720	0.098121829	227	6900	4623	1209	2
## 1731	0.478791535	386	7215	5019	1368	2
## 1742	0.306323171	207	4601	4472	1323	10
## 1698	0.026842088	168	6980	4587	1123	14
## 1749	0.228270963	184	8260	4360	1344	10
## 1741	0.243270800	157	7847	4161	1291	2
## 1768	0.017593419	2600	9965	3981	630	14
## 1807	0.258748949	170	7788	4321	1250	14
## 1771	0.277827859	180	9949	4785	1189	14
## 1814	0.000000000	1730	11187	5030	408	8
## 1830	0.947061539	2157	12620	4646	1421	2
## 1848	0.076526225	799	12567	5307	780	2
## 1853	0.015802734	1870	10121	5260	440	2
## 1863	0.149371743	1955	10491	5226	442	2
## 1862	0.184236377	1977	10279	4781	694	5
## 1862.1	0.184236377	1977	10279	4781	694	5
## 1867	0.184236377	1977	10279	4781	694	5
## 1865	0.124033324	1952	11146	5098	403	2
## 1862.2	0.184236377	1977	10279	4781	694	5
## 1867.1	0.184236377	1977	10279	4781	694	5
## 1868	0.184236377	1977	10279	4781	694	5
## 1862.3	0.184236377	1977	10279	4781	694	5
## 1867.2	0.184236377	1977	10279	4781	694	5
## 1868.1	0.184236377	1977	10279	4781	694	5
## 1872	0.184236377	1977	10279	4781	694	5
## 1879	0.073447160	571	14043	5519	472	2
## 1911	0.107879184	199	6820	4612	1060	12
## 1952	0.064026088	37	7505	4317	1447	12
## 1954	0.252935946	145	9427	4863	1848	10
## 1973	0.428811878	3446	9271	3646	402	10
## 1989	0.501874328	1729	12374	4804	1284	2
## 1994	0.121104084	2644	9715	3019	514	14
## 1996	0.137323186	2722	9828	3068	476	14
## 1998	0.424209148	3159	10703	4384	378	2
## 1998.1	0.424209148	3159	10703	4384	378	2
## 1999	0.424209148	3159	10703	4384	378	2
## 2001	0.103174828	2599	9866	3536	517	14
## 2021	0.334039122	3285	8669	3795	555	10
## 2015	0.349536985	3305	9133	3336	399	8
## 2029	0.000000000	1173	11391	4901	1026	14
## 2034	0.039941829	700	7809	5043	1525	2
## 2039	0.313368648	2144	9532	4626	1020	2
## 2045	0.322287828	2284	10807	5530	611	2
## 2064	0.022898799	1171	11040	5478	739	2
## 2062	0.107336573	1339	10882	5477	749	2

## 2069	0.176005617	1118	12844	5843	598	2
## 2064.1	0.022898799	1171	11040	5478	739	2
## 2070	0.022898799	1171	11040	5478	739	2
## 2101	0.328601092	172	6506	4077	1410	8
## 2110	0.196201518	117	6462	3792	1520	12
## 2113	0.157990441	79	11073	4025	1672	2
## 2131	0.026604332	144	6664	5125	1302	2
## 2131.1	0.026604332	144	6664	5125	1302	2
## 2132	0.026604332	144	6664	5125	1302	2
## 2135	0.000000000	291	6347	5409	1255	14
## 2145	0.047650926	42	8718	4505	1138	12
## 2153	0.299016416	178	6615	4177	1318	9
## 2162	0.000000000	3106	9946	2300	370	10
## 2162.1	0.000000000	3106	9946	2300	370	10
## 2163	0.000000000	3106	9946	2300	370	10
## 2168	0.316149205	3019	10256	3955	662	14
## 2168.1	0.316149205	3019	10256	3955	662	14
## 2169	0.316149205	3019	10256	3955	662	14
## 2179	0.308354110	3189	9100	4135	692	14
## 2178	0.179990172	2966	10152	3750	570	14
## 2182	0.300734192	3153	10212	3754	679	14
## 2162.2	0.000000000	3106	9946	2300	370	10
## 2163.1	0.000000000	3106	9946	2300	370	10
## 2164	0.000000000	3106	9946	2300	370	10
## 2187	0.129612997	2810	10223	3722	566	14
## 2162.3	0.000000000	3106	9946	2300	370	10
## 2163.2	0.000000000	3106	9946	2300	370	10
## 2164.1	0.000000000	3106	9946	2300	370	10
## 2184	0.000000000	3106	9946	2300	370	10
## 2174	0.053128142	2710	9233	3434	537	14
## 2179.1	0.308354110	3189	9100	4135	692	14
## 2180	0.308354110	3189	9100	4135	692	14
## 2212	0.111175239	2958	9775	2232	421	13
## 2229	0.698642254	3429	10508	3015	575	10
## 2229.1	0.698642254	3429	10508	3015	575	10
## 2230	0.698642254	3429	10508	3015	575	10
## 2237	0.149961799	2989	9748	2859	607	10
## 2247	0.080209039	576	5842	4144	1212	2
## 2252	0.003943183	607	12634	5366	1149	14
## 2275	0.044517402	1229	10999	5379	715	2
## 2282	0.000000000	860	11590	5853	553	14
## 2273	0.017479297	890	11530	5764	525	14
## 2273.1	0.017479297	890	11530	5764	525	14
## 2285	0.017479297	890	11530	5764	525	14
## 2287	0.125404745	821	13809	5224	656	2
## 2292	0.058842756	887	13343	5268	1029	2
## 2297	0.089005671	1169	10201	5146	777	2
## 2300	0.007030604	1072	11568	5603	634	2
## 2302	0.000000000	791	11611	5152	521	14
## 2308	0.040411506	637	14024	5909	802	2
## 2308.1	0.040411506	637	14024	5909	802	2
## 2309	0.040411506	637	14024	5909	802	2
## 2323	0.000000000	444	14288	5263	639	2
## 2339	0.019225840	287	14530	5381	580	2

## 2357	0.411419004	227	7075	4086	1632	12
## 2360	0.511871815	271	5571	4127	1680	12
## 2349	0.412919581	212	6089	3855	1510	16
## 2367	0.022188921	142	6812	4794	1100	2
## 2366	0.068699539	32	4895	3693	1251	9
## 2380	0.070795156	60	7826	4583	1204	12
## 2418	0.012555717	83	6104	4823	1408	14
## 2433	0.000000000	68	5629	4540	1363	9
## 2442	0.002310146	67	6115	4400	1462	12
## 2450	0.002350062	49	6610	3797	1145	14
## 2463	0.352734983	3221	9577	2909	621	7
## 2480	0.102142364	2937	9857	2211	460	13
## 2493	0.248260617	3130	10070	2395	525	7
## 2504	0.121449813	2881	9518	3380	474	14
## 2508	0.103982665	2942	9954	2305	512	10
## 2512	0.013546700	2834	9079	3640	480	14
## 2525	0.000000000	685	8770	4444	1203	9
## 2533	0.000000000	543	10373	5314	414	13
## 2541	0.020147527	640	11998	6213	748	2
## 2548	0.030213488	676	12056	5899	565	2
## 2556	0.019510714	740	12007	5613	665	2
## 2568	0.027286479	627	11988	6004	447	14
## 2574	0.010665301	369	14522	5594	580	2
## 2573	0.007211052	409	14368	5258	608	2
## 2574.1	0.010665301	369	14522	5594	580	2
## 2575	0.010665301	369	14522	5594	580	2
## 2585	0.056565676	386	14764	5630	792	2
## 2574.2	0.010665301	369	14522	5594	580	2
## 2575.1	0.010665301	369	14522	5594	580	2
## 2579	0.010665301	369	14522	5594	580	2
## 2574.3	0.010665301	369	14522	5594	580	2
## 2575.2	0.010665301	369	14522	5594	580	2
## 2579.1	0.010665301	369	14522	5594	580	2
## 2591	0.010665301	369	14522	5594	580	2
## 2574.4	0.010665301	369	14522	5594	580	2
##	g02esa3a g02igb3a g03esa3a g04esa3a g04igb3a g05esa3a g06esa3a					
## 3	0 10 0 0 2 100 0					
## 3.1	0 10 0 0 2 100 0					
## 4	0 10 0 0 2 100 0					
## 2	0 14 0 0 14 0 0					
## 11	0 2 0 0 2 50 0					
## 11.1	0 2 0 0 2 50 0					
## 12	0 2 0 0 2 50 0					
## 11.2	0 2 0 0 2 50 0					
## 12.1	0 2 0 0 2 50 0					
## 13	0 2 0 0 2 50 0					
## 11.3	0 2 0 0 2 50 0					
## 12.2	0 2 0 0 2 50 0					
## 13.1	0 2 0 0 2 50 0					
## 14	0 2 0 0 2 50 0					
## 11.4	0 2 0 0 2 50 0					
## 12.3	0 2 0 0 2 50 0					
## 13.2	0 2 0 0 2 50 0					
## 14.1	0 2 0 0 2 50 0					

## 15	0	2	0	0	2	50	0
## 17	0	2	100	0	14	0	0
## 11.5	0	2	0	0	2	50	0
## 12.4	0	2	0	0	2	50	0
## 13.3	0	2	0	0	2	50	0
## 14.2	0	2	0	0	2	50	0
## 15.1	0	2	0	0	2	50	0
## 16	0	2	0	0	2	50	0
## 17.1	0	2	100	0	14	0	0
## 18	0	2	100	0	14	0	0
## 17.2	0	2	100	0	14	0	0
## 18.1	0	2	100	0	14	0	0
## 21	0	2	100	0	14	0	0
## 17.3	0	2	100	0	14	0	0
## 18.2	0	2	100	0	14	0	0
## 21.1	0	2	100	0	14	0	0
## 22	0	2	100	0	14	0	0
## 17.4	0	2	100	0	14	0	0
## 18.3	0	2	100	0	14	0	0
## 21.2	0	2	100	0	14	0	0
## 22.1	0	2	100	0	14	0	0
## 23	0	2	100	0	14	0	0
## 17.5	0	2	100	0	14	0	0
## 18.4	0	2	100	0	14	0	0
## 21.3	0	2	100	0	14	0	0
## 22.2	0	2	100	0	14	0	0
## 23.1	0	2	100	0	14	0	0
## 24	0	2	100	0	14	0	0
## 17.6	0	2	100	0	14	0	0
## 18.5	0	2	100	0	14	0	0
## 21.4	0	2	100	0	14	0	0
## 22.3	0	2	100	0	14	0	0
## 23.2	0	2	100	0	14	0	0
## 24.1	0	2	100	0	14	0	0
## 25	0	2	100	0	14	0	0
## 17.7	0	2	100	0	14	0	0
## 18.6	0	2	100	0	14	0	0
## 21.5	0	2	100	0	14	0	0
## 22.4	0	2	100	0	14	0	0
## 23.3	0	2	100	0	14	0	0
## 24.2	0	2	100	0	14	0	0
## 25.1	0	2	100	0	14	0	0
## 26	0	2	100	0	14	0	0
## 17.8	0	2	100	0	14	0	0
## 18.7	0	2	100	0	14	0	0
## 21.6	0	2	100	0	14	0	0
## 22.5	0	2	100	0	14	0	0
## 23.4	0	2	100	0	14	0	0
## 24.3	0	2	100	0	14	0	0
## 25.2	0	2	100	0	14	0	0
## 26.1	0	2	100	0	14	0	0
## 27	0	2	100	0	14	0	0
## 17.9	0	2	100	0	14	0	0
## 18.8	0	2	100	0	14	0	0

## 21.7	0	2	100	0	14	0	0
## 22.6	0	2	100	0	14	0	0
## 23.5	0	2	100	0	14	0	0
## 24.4	0	2	100	0	14	0	0
## 25.3	0	2	100	0	14	0	0
## 26.2	0	2	100	0	14	0	0
## 27.1	0	2	100	0	14	0	0
## 28	0	2	100	0	14	0	0
## 17.10	0	2	100	0	14	0	0
## 18.9	0	2	100	0	14	0	0
## 21.8	0	2	100	0	14	0	0
## 22.7	0	2	100	0	14	0	0
## 23.6	0	2	100	0	14	0	0
## 24.5	0	2	100	0	14	0	0
## 25.4	0	2	100	0	14	0	0
## 26.3	0	2	100	0	14	0	0
## 27.2	0	2	100	0	14	0	0
## 28.1	0	2	100	0	14	0	0
## 29	0	2	100	0	14	0	0
## 17.11	0	2	100	0	14	0	0
## 18.10	0	2	100	0	14	0	0
## 21.9	0	2	100	0	14	0	0
## 22.8	0	2	100	0	14	0	0
## 23.7	0	2	100	0	14	0	0
## 24.6	0	2	100	0	14	0	0
## 25.5	0	2	100	0	14	0	0
## 26.4	0	2	100	0	14	0	0
## 27.3	0	2	100	0	14	0	0
## 28.2	0	2	100	0	14	0	0
## 29.1	0	2	100	0	14	0	0
## 30	0	2	100	0	14	0	0
## 17.12	0	2	100	0	14	0	0
## 18.11	0	2	100	0	14	0	0
## 21.10	0	2	100	0	14	0	0
## 22.9	0	2	100	0	14	0	0
## 23.8	0	2	100	0	14	0	0
## 24.7	0	2	100	0	14	0	0
## 25.6	0	2	100	0	14	0	0
## 26.5	0	2	100	0	14	0	0
## 27.4	0	2	100	0	14	0	0
## 28.3	0	2	100	0	14	0	0
## 29.2	0	2	100	0	14	0	0
## 30.1	0	2	100	0	14	0	0
## 31	0	2	100	0	14	0	0
## 17.13	0	2	100	0	14	0	0
## 18.12	0	2	100	0	14	0	0
## 21.11	0	2	100	0	14	0	0
## 22.10	0	2	100	0	14	0	0
## 23.9	0	2	100	0	14	0	0
## 24.8	0	2	100	0	14	0	0
## 25.7	0	2	100	0	14	0	0
## 26.6	0	2	100	0	14	0	0
## 27.5	0	2	100	0	14	0	0
## 28.4	0	2	100	0	14	0	0

## 29.3	0	2	100	0	14	0	0
## 30.2	0	2	100	0	14	0	0
## 31.1	0	2	100	0	14	0	0
## 32	0	2	100	0	14	0	0
## 17.14	0	2	100	0	14	0	0
## 18.13	0	2	100	0	14	0	0
## 21.12	0	2	100	0	14	0	0
## 22.11	0	2	100	0	14	0	0
## 23.10	0	2	100	0	14	0	0
## 24.9	0	2	100	0	14	0	0
## 25.8	0	2	100	0	14	0	0
## 26.7	0	2	100	0	14	0	0
## 27.6	0	2	100	0	14	0	0
## 28.5	0	2	100	0	14	0	0
## 29.4	0	2	100	0	14	0	0
## 30.3	0	2	100	0	14	0	0
## 31.2	0	2	100	0	14	0	0
## 32.1	0	2	100	0	14	0	0
## 33	0	2	100	0	14	0	0
## 17.15	0	2	100	0	14	0	0
## 18.14	0	2	100	0	14	0	0
## 21.13	0	2	100	0	14	0	0
## 22.12	0	2	100	0	14	0	0
## 23.11	0	2	100	0	14	0	0
## 24.10	0	2	100	0	14	0	0
## 25.9	0	2	100	0	14	0	0
## 26.8	0	2	100	0	14	0	0
## 27.7	0	2	100	0	14	0	0
## 28.6	0	2	100	0	14	0	0
## 29.5	0	2	100	0	14	0	0
## 30.4	0	2	100	0	14	0	0
## 31.3	0	2	100	0	14	0	0
## 32.2	0	2	100	0	14	0	0
## 33.1	0	2	100	0	14	0	0
## 34	0	2	100	0	14	0	0
## 17.16	0	2	100	0	14	0	0
## 18.15	0	2	100	0	14	0	0
## 21.14	0	2	100	0	14	0	0
## 22.13	0	2	100	0	14	0	0
## 23.12	0	2	100	0	14	0	0
## 24.11	0	2	100	0	14	0	0
## 25.10	0	2	100	0	14	0	0
## 26.9	0	2	100	0	14	0	0
## 27.8	0	2	100	0	14	0	0
## 28.7	0	2	100	0	14	0	0
## 29.6	0	2	100	0	14	0	0
## 30.5	0	2	100	0	14	0	0
## 31.4	0	2	100	0	14	0	0
## 32.3	0	2	100	0	14	0	0
## 33.2	0	2	100	0	14	0	0
## 34.1	0	2	100	0	14	0	0
## 35	0	2	100	0	14	0	0
## 17.17	0	2	100	0	14	0	0
## 18.16	0	2	100	0	14	0	0



## 21.15	0	2	100	0	14	0	0
## 22.14	0	2	100	0	14	0	0
## 23.13	0	2	100	0	14	0	0
## 24.12	0	2	100	0	14	0	0
## 25.11	0	2	100	0	14	0	0
## 26.10	0	2	100	0	14	0	0
## 27.9	0	2	100	0	14	0	0
## 28.8	0	2	100	0	14	0	0
## 29.7	0	2	100	0	14	0	0
## 30.6	0	2	100	0	14	0	0
## 31.5	0	2	100	0	14	0	0
## 32.4	0	2	100	0	14	0	0
## 33.3	0	2	100	0	14	0	0
## 34.2	0	2	100	0	14	0	0
## 35.1	0	2	100	0	14	0	0
## 36	0	2	100	0	14	0	0
## 17.18	0	2	100	0	14	0	0
## 18.17	0	2	100	0	14	0	0
## 21.16	0	2	100	0	14	0	0
## 22.15	0	2	100	0	14	0	0
## 23.14	0	2	100	0	14	0	0
## 24.13	0	2	100	0	14	0	0
## 25.12	0	2	100	0	14	0	0
## 26.11	0	2	100	0	14	0	0
## 27.10	0	2	100	0	14	0	0
## 28.9	0	2	100	0	14	0	0
## 29.8	0	2	100	0	14	0	0
## 30.7	0	2	100	0	14	0	0
## 31.6	0	2	100	0	14	0	0
## 32.5	0	2	100	0	14	0	0
## 33.4	0	2	100	0	14	0	0
## 34.3	0	2	100	0	14	0	0
## 35.2	0	2	100	0	14	0	0
## 36.1	0	2	100	0	14	0	0
## 37	0	2	100	0	14	0	0
## 17.19	0	2	100	0	14	0	0
## 18.18	0	2	100	0	14	0	0
## 21.17	0	2	100	0	14	0	0
## 22.16	0	2	100	0	14	0	0
## 23.15	0	2	100	0	14	0	0
## 24.14	0	2	100	0	14	0	0
## 25.13	0	2	100	0	14	0	0
## 26.12	0	2	100	0	14	0	0
## 27.11	0	2	100	0	14	0	0
## 28.10	0	2	100	0	14	0	0
## 29.9	0	2	100	0	14	0	0
## 30.8	0	2	100	0	14	0	0
## 31.7	0	2	100	0	14	0	0
## 32.6	0	2	100	0	14	0	0
## 33.5	0	2	100	0	14	0	0
## 34.4	0	2	100	0	14	0	0
## 35.3	0	2	100	0	14	0	0
## 36.2	0	2	100	0	14	0	0
## 37.1	0	2	100	0	14	0	0

## 38	0	2	100	0	14	0	0
## 17.20	0	2	100	0	14	0	0
## 18.19	0	2	100	0	14	0	0
## 21.18	0	2	100	0	14	0	0
## 22.17	0	2	100	0	14	0	0
## 23.16	0	2	100	0	14	0	0
## 24.15	0	2	100	0	14	0	0
## 25.14	0	2	100	0	14	0	0
## 26.13	0	2	100	0	14	0	0
## 27.12	0	2	100	0	14	0	0
## 28.11	0	2	100	0	14	0	0
## 29.10	0	2	100	0	14	0	0
## 30.9	0	2	100	0	14	0	0
## 31.8	0	2	100	0	14	0	0
## 32.7	0	2	100	0	14	0	0
## 33.6	0	2	100	0	14	0	0
## 34.5	0	2	100	0	14	0	0
## 35.4	0	2	100	0	14	0	0
## 36.3	0	2	100	0	14	0	0
## 37.2	0	2	100	0	14	0	0
## 38.1	0	2	100	0	14	0	0
## 39	0	2	100	0	14	0	0
## 17.21	0	2	100	0	14	0	0
## 18.20	0	2	100	0	14	0	0
## 21.19	0	2	100	0	14	0	0
## 22.18	0	2	100	0	14	0	0
## 23.17	0	2	100	0	14	0	0
## 24.16	0	2	100	0	14	0	0
## 25.15	0	2	100	0	14	0	0
## 26.14	0	2	100	0	14	0	0
## 27.13	0	2	100	0	14	0	0
## 28.12	0	2	100	0	14	0	0
## 29.11	0	2	100	0	14	0	0
## 30.10	0	2	100	0	14	0	0
## 31.9	0	2	100	0	14	0	0
## 32.8	0	2	100	0	14	0	0
## 33.7	0	2	100	0	14	0	0
## 34.6	0	2	100	0	14	0	0
## 35.5	0	2	100	0	14	0	0
## 36.4	0	2	100	0	14	0	0
## 37.3	0	2	100	0	14	0	0
## 38.2	0	2	100	0	14	0	0
## 39.1	0	2	100	0	14	0	0
## 41	0	2	100	0	14	0	0
## 10	0	2	0	0	2	100	0
## 50	0	2	50	0	2	50	0
## 51	50	2	50	0	14	0	0
## 58	0	2	0	0	2	100	0
## 44	50	2	0	0	14	0	0
## 49	0	13	0	0	13	100	0
## 9	0	14	0	0	14	0	0
## 58.1	0	2	0	0	2	100	0
## 59	0	2	0	0	2	100	0
## 74	25	2	0	0	2	75	0

## 76	0	14	0	0	2	100	0
## 88	0	2	0	0	2	100	0
## 83	0	2	0	50	2	50	0
## 89	0	2	50	0	2	0	0
## 79	0	2	0	0	14	100	0
## 76.1	0	14	0	0	2	100	0
## 77	0	14	0	0	2	100	0
## 73	0	2	0	25	2	75	0
## 72	0	2	0	100	2	0	0
## 71	0	8	0	0	8	100	0
## 96	0	2	0	0	2	100	0
## 74.1	25	2	0	0	2	75	0
## 75	25	2	0	0	2	75	0
## 104	0	14	0	0	14	100	0
## 119	100	10	0	0	10	0	0
## 129	0	10	0	0	10	50	0
## 128	0	10	25	75	10	0	0
## 122	0	10	0	25	10	75	0
## 142	0	14	0	0	14	100	0
## 150	0	2	0	0	2	100	0
## 121	0	14	100	0	14	0	0
## 167	0	2	0	0	2	100	0
## 121.1	0	14	100	0	14	0	0
## 154	0	14	100	0	14	0	0
## 142.1	0	14	0	0	14	100	0
## 146	0	14	0	0	14	100	0
## 119.1	100	10	0	0	10	0	0
## 120	100	10	0	0	10	0	0
## 177	0	2	0	0	2	100	0
## 174	75	14	0	25	14	0	0
## 175	100	14	0	0	14	0	0
## 176	0	11	0	0	10	0	0
## 135	0	2	0	0	14	100	0
## 169	75	2	0	25	14	0	0
## 196	0	11	0	0	11	100	0
## 196.1	0	11	0	0	11	100	0
## 197	0	11	0	0	11	100	0
## 196.2	0	11	0	0	11	100	0
## 197.1	0	11	0	0	11	100	0
## 198	0	11	0	0	11	100	0
## 196.3	0	11	0	0	11	100	0
## 197.2	0	11	0	0	11	100	0
## 198.1	0	11	0	0	11	100	0
## 199	0	11	0	0	11	100	0
## 196.4	0	11	0	0	11	100	0
## 197.3	0	11	0	0	11	100	0
## 198.2	0	11	0	0	11	100	0
## 199.1	0	11	0	0	11	100	0
## 200	0	11	0	0	11	100	0
## 195	25	2	75	0	2	0	0
## 206	0	13	0	50	13	50	0
## 208	0	10	50	25	2	25	0
## 213	25	10	50	25	2	0	0
## 213.1	25	10	50	25	2	0	0

## 214	25	10	50	25	2	0	0
## 213.2	25	10	50	25	2	0	0
## 214.1	25	10	50	25	2	0	0
## 215	25	10	50	25	2	0	0
## 217	0	10	0	50	10	50	0
## 217.1	0	10	0	50	10	50	0
## 218	0	10	0	50	10	50	0
## 231	0	10	0	0	10	100	0
## 242	0	10	0	25	10	75	0
## 250	100	10	0	0	10	0	0
## 223	0	10	0	0	10	0	0
## 238	0	2	0	0	14	100	0
## 246	0	2	25	75	2	0	0
## 246.1	0	2	25	75	2	0	0
## 260	0	2	25	75	2	0	0
## 282	100	10	0	0	10	0	0
## 284	0	2	50	0	2	0	0
## 196.5	0	11	0	0	11	100	0
## 197.4	0	11	0	0	11	100	0
## 198.3	0	11	0	0	11	100	0
## 199.2	0	11	0	0	11	100	0
## 200.1	0	11	0	0	11	100	0
## 201	0	11	0	0	11	100	0
## 195.1	25	2	75	0	2	0	0
## 202	25	2	75	0	2	0	0
## 238.1	0	2	0	0	14	100	0
## 254	0	2	0	0	14	100	0
## 296	0	2	50	0	14	50	0
## 237	0	0	100	0	0	0	0
## 296.1	0	2	50	0	14	50	0
## 297	0	2	50	0	14	50	0
## 275	0	10	50	0	10	50	0
## 296.2	0	2	50	0	14	50	0
## 297.1	0	2	50	0	14	50	0
## 299	0	2	50	0	14	50	0
## 237.1	0	0	100	0	0	0	0
## 298	0	0	100	0	0	0	0
## 292	0	11	0	0	11	75	0
## 195.2	25	2	75	0	2	0	0
## 202.1	25	2	75	0	2	0	0
## 293	25	2	75	0	2	0	0
## 317	0	14	100	0	14	0	0
## 316	0	10	0	100	14	0	0
## 322	0	14	50	25	14	0	0
## 324	0	8	0	0	10	100	0
## 329	0	14	0	0	14	0	0
## 337	0	14	0	100	12	0	0
## 355	0	10	0	0	10	100	0
## 322.1	0	14	50	25	14	0	0
## 323	0	14	50	25	14	0	0
## 320	0	2	0	50	14	50	0
## 317.1	0	14	100	0	14	0	0
## 318	0	14	100	0	14	0	0
## 319	0	2	0	0	2	100	0

## 317.2	0	14	100	0	14	0	0
## 318.1	0	14	100	0	14	0	0
## 375	0	14	100	0	14	0	0
## 393	0	6	0	0	5	0	50
## 316.1	0	10	0	100	14	0	0
## 321	0	10	0	100	14	0	0
## 381	0	2	0	0	14	100	0
## 399	0	14	0	0	14	100	0
## 399.1	0	14	0	0	14	100	0
## 400	0	14	0	0	14	100	0
## 402	0	10	100	0	12	0	0
## 408	0	14	25	50	14	0	0
## 408.1	0	14	25	50	14	0	0
## 409	0	14	25	50	14	0	0
## 417	0	7	0	100	10	0	0
## 411	0	6	100	0	14	0	0
## 408.2	0	14	25	50	14	0	0
## 409.1	0	14	25	50	14	0	0
## 410	0	14	25	50	14	0	0
## 431	0	7	0	0	10	0	0
## 435	0	14	0	0	14	0	0
## 433	0	14	0	0	14	0	0
## 427	0	10	0	0	10	0	0
## 447	0	2	0	0	8	100	0
## 449	0	2	0	0	2	100	0
## 465	0	10	0	0	10	0	0
## 470	0	12	0	0	12	0	0
## 460	0	12	25	75	14	0	0
## 479	0	14	75	25	14	0	0
## 402.1	0	10	100	0	12	0	0
## 403	0	10	100	0	12	0	0
## 502	0	9	25	0	14	25	50
## 502.1	0	9	25	0	14	25	50
## 503	0	9	25	0	14	25	50
## 497	0	2	50	0	2	50	0
## 514	0	8	50	25	12	0	0
## 507	25	14	75	0	2	0	0
## 399.2	0	14	0	0	14	100	0
## 400.1	0	14	0	0	14	100	0
## 401	0	14	0	0	14	100	0
## 497.1	0	2	50	0	2	50	0
## 508	0	2	50	0	2	50	0
## 495	0	2	0	0	2	0	0
## 572	0	2	0	0	2	100	0
## 574	0	2	0	0	2	100	0
## 574.1	0	2	0	0	2	100	0
## 575	0	2	0	0	2	100	0
## 579	0	2	0	0	2	100	0
## 579.1	0	2	0	0	2	100	0
## 582	0	2	0	0	2	100	0
## 586	0	2	0	0	2	100	0
## 572.1	0	2	0	0	2	100	0
## 573	0	2	0	0	2	100	0
## 599	0	2	0	0	2	100	0

## 612	0	14	0	0	14	0	0
## 617	0	2	0	0	2	100	0
## 616	0	14	25	75	14	0	0
## 641	0	9	25	0	14	75	0
## 662	0	10	0	0	10	0	0
## 668	0	2	0	0	2	100	0
## 678	0	14	0	0	2	100	0
## 677	50	14	0	50	14	0	0
## 647	0	14	50	0	14	50	0
## 700	0	12	0	0	14	100	0
## 704	0	2	25	0	2	75	0
## 709	0	2	0	25	2	75	0
## 732	0	2	0	0	2	100	0
## 806	0	2	100	0	2	0	0
## 700.1	0	12	0	0	14	100	0
## 701	0	12	0	0	14	100	0
## 851	0	14	0	0	2	100	0
## 859	100	14	0	0	14	0	0
## 887	0	2	50	0	2	50	0
## 894	0	2	0	0	2	100	0
## 896	0	2	50	50	2	0	0
## 899	0	2	0	0	2	100	0
## 901	0	2	100	0	2	0	0
## 910	0	2	100	0	2	0	0
## 894.1	0	2	0	0	2	100	0
## 900	0	2	0	0	2	100	0
## 917	0	2	0	0	2	100	0
## 926	0	2	0	0	2	100	0
## 892	0	2	0	0	2	100	0
## 945	0	2	0	0	2	100	0
## 937	0	2	0	0	2	100	0
## 908	0	2	0	0	2	100	0
## 958	0	2	25	0	2	75	0
## 971	0	2	0	0	2	100	0
## 985	50	2	50	0	14	0	0
## 1019	0	12	0	50	10	0	0
## 1039	0	2	0	0	2	100	0
## 1017	0	8	0	0	10	75	0
## 1097	0	2	0	25	12	75	0
## 1135	0	14	100	0	2	0	0
## 1135.1	0	14	100	0	2	0	0
## 1136	0	14	100	0	2	0	0
## 1139	0	2	0	0	10	100	0
## 1139.1	0	2	0	0	10	100	0
## 1140	0	2	0	0	10	100	0
## 1145	0	2	0	0	2	100	0
## 1143	0	2	25	0	2	75	0
## 1145.1	0	2	0	0	2	100	0
## 1146	0	2	0	0	2	100	0
## 1138	0	2	0	0	2	100	0
## 1167	0	2	75	0	2	25	0
## 1173	0	2	0	0	2	100	0
## 1175	0	2	0	0	2	100	0
## 1178	0	2	0	0	2	100	0

## 1217	50	2	50	0	14	0	0
## 1211	50	14	50	0	14	0	0
## 1131	0	10	0	100	10	0	0
## 1250	0	14	50	0	14	0	0
## 1253	0	14	25	50	14	0	0
## 1268	0	14	0	25	14	0	0
## 1248	0	9	100	0	14	0	0
## 1249	50	10	50	0	14	0	0
## 1216	0	9	100	0	9	0	0
## 1216.1	0	9	100	0	9	0	0
## 1280	0	9	100	0	9	0	0
## 1266	0	14	0	0	14	0	0
## 1293	0	2	0	0	2	0	0
## 1295	0	2	0	0	2	100	0
## 1295.1	0	2	0	0	2	100	0
## 1296	0	2	0	0	2	100	0
## 1305	0	2	0	0	2	100	0
## 1308	0	2	0	0	2	100	0
## 1308.1	0	2	0	0	2	100	0
## 1309	0	2	0	0	2	100	0
## 1311	0	2	0	0	2	100	0
## 1315	0	2	0	0	2	100	0
## 1315.1	0	2	0	0	2	100	0
## 1316	0	2	0	0	2	100	0
## 1318	0	2	25	0	2	75	0
## 1320	0	2	50	0	14	50	0
## 1315.2	0	2	0	0	2	100	0
## 1316.1	0	2	0	0	2	100	0
## 1317	0	2	0	0	2	100	0
## 1327	0	2	0	0	2	100	0
## 1341	0	2	0	0	2	100	0
## 1345	0	2	0	0	2	100	0
## 1350	0	14	0	0	14	0	0
## 1408	0	14	0	0	14	0	0
## 1438	0	2	100	0	14	0	0
## 1443	0	14	100	0	14	0	0
## 1443.1	0	14	100	0	14	0	0
## 1444	0	14	100	0	14	0	0
## 1290	0	9	100	0	9	0	0
## 1465	0	8	0	0	8	100	0
## 1474	0	14	0	0	14	0	0
## 1474.1	0	14	0	0	14	0	0
## 1475	0	14	0	0	14	0	0
## 1485	0	10	50	50	10	0	0
## 1503	100	14	0	0	14	0	0
## 1506	0	12	50	0	14	0	0
## 1509	0	14	75	25	14	0	0
## 1533	0	14	0	0	2	100	0
## 1533.1	0	14	0	0	2	100	0
## 1534	0	14	0	0	2	100	0
## 1533.2	0	14	0	0	2	100	0
## 1534.1	0	14	0	0	2	100	0
## 1537	0	14	0	0	2	100	0
## 1533.3	0	14	0	0	2	100	0

## 1534.2	0	14	0	0	2	100	0
## 1537.1	0	14	0	0	2	100	0
## 1539	0	14	0	0	2	100	0
## 1545	0	14	25	0	14	75	0
## 1545.1	0	14	25	0	14	75	0
## 1546	0	14	25	0	14	75	0
## 1548	0	2	0	0	14	100	0
## 1552	0	2	0	0	9	100	0
## 1552.1	0	2	0	0	9	100	0
## 1557	0	2	0	0	9	100	0
## 1571	0	2	0	0	2	100	0
## 1580	0	2	0	0	8	100	0
## 1570	50	2	50	0	14	0	0
## 1584	0	2	0	0	2	100	0
## 1584.1	0	2	0	0	2	100	0
## 1606	0	2	0	0	2	100	0
## 1609	0	14	0	0	14	100	0
## 1612	0	2	0	0	14	0	0
## 1624	0	2	0	0	2	100	0
## 1629	0	11	0	0	11	100	0
## 1631	0	2	0	0	2	100	0
## 1642	0	14	0	0	14	100	0
## 1663	0	2	0	0	2	100	0
## 1702	0	10	25	75	10	0	0
## 1700	25	14	75	0	9	0	0
## 1719	0	2	100	0	14	0	0
## 1719.1	0	2	100	0	14	0	0
## 1720	0	2	100	0	14	0	0
## 1731	0	2	0	0	14	0	0
## 1742	0	11	0	0	12	100	0
## 1698	0	12	100	0	12	0	0
## 1749	50	9	50	0	14	0	0
## 1741	0	9	0	0	9	0	0
## 1768	0	14	25	50	12	25	0
## 1807	0	14	50	0	9	0	0
## 1771	0	14	100	0	14	0	0
## 1814	0	2	0	0	2	100	0
## 1830	0	2	0	0	2	100	0
## 1848	0	2	0	100	14	0	0
## 1853	0	2	50	0	2	50	0
## 1863	0	2	0	0	2	100	0
## 1862	0	2	25	0	2	75	0
## 1862.1	0	2	25	0	2	75	0
## 1867	0	2	25	0	2	75	0
## 1865	0	2	100	0	2	0	0
## 1862.2	0	2	25	0	2	75	0
## 1867.1	0	2	25	0	2	75	0
## 1868	0	2	25	0	2	75	0
## 1862.3	0	2	25	0	2	75	0
## 1867.2	0	2	25	0	2	75	0
## 1868.1	0	2	25	0	2	75	0
## 1872	0	2	25	0	2	75	0
## 1879	0	2	0	0	2	100	0
## 1911	0	12	100	0	14	0	0



## 1952	0	11	100	0	11	0	0
## 1954	100	10	0	0	10	0	0
## 1973	0	10	100	0	10	0	0
## 1989	0	2	0	0	8	100	0
## 1994	0	14	75	25	14	0	0
## 1996	0	14	75	25	14	0	0
## 1998	0	5	0	50	5	50	0
## 1998.1	0	5	0	50	5	50	0
## 1999	0	5	0	50	5	50	0
## 2001	0	14	0	25	10	0	0
## 2021	0	10	0	0	2	0	0
## 2015	0	10	0	0	14	0	0
## 2029	0	14	0	0	14	100	0
## 2034	0	2	50	0	2	50	0
## 2039	0	2	0	0	2	100	0
## 2045	0	2	0	0	2	100	0
## 2064	0	2	100	0	2	0	0
## 2062	0	2	0	0	2	100	0
## 2069	0	2	50	0	2	50	0
## 2064.1	0	2	100	0	2	0	0
## 2070	0	2	100	0	2	0	0
## 2101	0	9	50	0	9	0	0
## 2110	0	12	0	0	12	0	0
## 2113	0	2	0	0	8	100	0
## 2131	0	12	100	0	12	0	0
## 2131.1	0	12	100	0	12	0	0
## 2132	0	12	100	0	12	0	0
## 2135	50	14	0	0	14	0	0
## 2145	50	12	50	0	14	0	0
## 2153	25	12	50	0	12	0	0
## 2162	0	10	0	25	10	0	0
## 2162.1	0	10	0	25	10	0	0
## 2163	0	10	0	25	10	0	0
## 2168	0	10	25	75	10	0	0
## 2168.1	0	10	25	75	10	0	0
## 2169	0	10	25	75	10	0	0
## 2179	0	14	100	0	14	0	0
## 2178	0	14	50	50	14	0	0
## 2182	0	14	0	100	14	0	0
## 2162.2	0	10	0	25	10	0	0
## 2163.1	0	10	0	25	10	0	0
## 2164	0	10	0	25	10	0	0
## 2187	0	14	0	25	14	50	0
## 2162.3	0	10	0	25	10	0	0
## 2163.2	0	10	0	25	10	0	0
## 2164.1	0	10	0	25	10	0	0
## 2184	0	10	0	25	10	0	0
## 2174	0	14	25	25	14	0	0
## 2179.1	0	14	100	0	14	0	0
## 2180	0	14	100	0	14	0	0
## 2212	0	13	0	100	13	0	0
## 2229	0	10	0	0	10	0	0
## 2229.1	0	10	0	0	10	0	0
## 2230	0	10	0	0	10	0	0

## 2237	0	10	0	0	10	0	0
## 2247	100	2	0	0	2	0	0
## 2252	25	14	0	75	9	0	0
## 2275	0	2	100	0	2	0	0
## 2282	0	14	0	0	14	100	0
## 2273	0	14	0	0	14	100	0
## 2273.1	0	14	0	0	14	100	0
## 2285	0	14	0	0	14	100	0
## 2287	0	2	100	0	2	0	0
## 2292	0	2	0	0	2	100	0
## 2297	0	2	0	0	2	100	0
## 2300	0	2	0	0	2	100	0
## 2302	0	14	25	0	14	75	0
## 2308	0	2	0	0	14	100	0
## 2308.1	0	2	0	0	14	100	0
## 2309	0	2	0	0	14	100	0
## 2323	0	2	0	0	2	100	0
## 2339	0	2	0	0	2	100	0
## 2357	0	12	0	0	9	100	0
## 2360	0	12	75	25	12	0	0
## 2349	0	16	0	0	16	100	0
## 2367	100	9	0	0	12	0	0
## 2366	0	12	100	0	12	0	0
## 2380	0	12	100	0	14	0	0
## 2418	0	14	100	0	12	0	0
## 2433	50	12	50	0	12	0	0
## 2442	0	12	0	0	12	0	0
## 2450	0	14	100	0	14	0	0
## 2463	0	10	50	50	10	0	0
## 2480	0	13	0	0	13	0	0
## 2493	0	10	0	0	10	0	0
## 2504	0	14	25	50	10	0	0
## 2508	0	10	0	0	10	0	0
## 2512	0	14	50	0	14	0	0
## 2525	0	2	50	0	2	0	0
## 2533	0	13	25	0	13	75	0
## 2541	0	2	0	0	2	100	0
## 2548	0	2	0	0	2	100	0
## 2556	0	2	25	0	2	75	0
## 2568	0	2	0	0	2	100	0
## 2574	0	2	0	0	2	100	0
## 2573	0	2	0	0	2	50	0
## 2574.1	0	2	0	0	2	100	0
## 2575	0	2	0	0	2	100	0
## 2585	0	2	100	0	2	0	0
## 2574.2	0	2	0	0	2	100	0
## 2575.1	0	2	0	0	2	100	0
## 2579	0	2	0	0	2	100	0
## 2574.3	0	2	0	0	2	100	0
## 2575.2	0	2	0	0	2	100	0
## 2579.1	0	2	0	0	2	100	0
## 2591	0	2	0	0	2	100	0
## 2574.4	0	2	0	0	2	100	0
##	g10igb3a g11esa3a g11igb3a g12igb3a g13esa3a g14esa3a g18esa3a						

## 3	14	0	14	14	0	0	0
## 3.1	14	0	14	14	0	0	0
## 4	14	0	14	14	0	0	0
## 2	14	100	2	2	0	0	0
## 11	2	0	2	2	0	50	0
## 11.1	2	0	2	2	0	50	0
## 12	2	0	2	2	0	50	0
## 11.2	2	0	2	2	0	50	0
## 12.1	2	0	2	2	0	50	0
## 13	2	0	2	2	0	50	0
## 11.3	2	0	2	2	0	50	0
## 12.2	2	0	2	2	0	50	0
## 13.1	2	0	2	2	0	50	0
## 14	2	0	2	2	0	50	0
## 11.4	2	0	2	2	0	50	0
## 12.3	2	0	2	2	0	50	0
## 13.2	2	0	2	2	0	50	0
## 14.1	2	0	2	2	0	50	0
## 15	2	0	2	2	0	50	0
## 17	2	0	2	2	0	0	0
## 11.5	2	0	2	2	0	50	0
## 12.4	2	0	2	2	0	50	0
## 13.3	2	0	2	2	0	50	0
## 14.2	2	0	2	2	0	50	0
## 15.1	2	0	2	2	0	50	0
## 16	2	0	2	2	0	50	0
## 17.1	2	0	2	2	0	0	0
## 18	2	0	2	2	0	0	0
## 17.2	2	0	2	2	0	0	0
## 18.1	2	0	2	2	0	0	0
## 21	2	0	2	2	0	0	0
## 17.3	2	0	2	2	0	0	0
## 18.2	2	0	2	2	0	0	0
## 21.1	2	0	2	2	0	0	0
## 22	2	0	2	2	0	0	0
## 17.4	2	0	2	2	0	0	0
## 18.3	2	0	2	2	0	0	0
## 21.2	2	0	2	2	0	0	0
## 22.1	2	0	2	2	0	0	0
## 23	2	0	2	2	0	0	0
## 17.5	2	0	2	2	0	0	0
## 18.4	2	0	2	2	0	0	0
## 21.3	2	0	2	2	0	0	0
## 22.2	2	0	2	2	0	0	0
## 23.1	2	0	2	2	0	0	0
## 24	2	0	2	2	0	0	0
## 17.6	2	0	2	2	0	0	0
## 18.5	2	0	2	2	0	0	0
## 21.4	2	0	2	2	0	0	0
## 22.3	2	0	2	2	0	0	0
## 23.2	2	0	2	2	0	0	0
## 24.1	2	0	2	2	0	0	0
## 25	2	0	2	2	0	0	0
## 17.7	2	0	2	2	0	0	0

## 18.6	2	0	2	2	0	0	0
## 21.5	2	0	2	2	0	0	0
## 22.4	2	0	2	2	0	0	0
## 23.3	2	0	2	2	0	0	0
## 24.2	2	0	2	2	0	0	0
## 25.1	2	0	2	2	0	0	0
## 26	2	0	2	2	0	0	0
## 17.8	2	0	2	2	0	0	0
## 18.7	2	0	2	2	0	0	0
## 21.6	2	0	2	2	0	0	0
## 22.5	2	0	2	2	0	0	0
## 23.4	2	0	2	2	0	0	0
## 24.3	2	0	2	2	0	0	0
## 25.2	2	0	2	2	0	0	0
## 26.1	2	0	2	2	0	0	0
## 27	2	0	2	2	0	0	0
## 17.9	2	0	2	2	0	0	0
## 18.8	2	0	2	2	0	0	0
## 21.7	2	0	2	2	0	0	0
## 22.6	2	0	2	2	0	0	0
## 23.5	2	0	2	2	0	0	0
## 24.4	2	0	2	2	0	0	0
## 25.3	2	0	2	2	0	0	0
## 26.2	2	0	2	2	0	0	0
## 27.1	2	0	2	2	0	0	0
## 28	2	0	2	2	0	0	0
## 17.10	2	0	2	2	0	0	0
## 18.9	2	0	2	2	0	0	0
## 21.8	2	0	2	2	0	0	0
## 22.7	2	0	2	2	0	0	0
## 23.6	2	0	2	2	0	0	0
## 24.5	2	0	2	2	0	0	0
## 25.4	2	0	2	2	0	0	0
## 26.3	2	0	2	2	0	0	0
## 27.2	2	0	2	2	0	0	0
## 28.1	2	0	2	2	0	0	0
## 29	2	0	2	2	0	0	0
## 17.11	2	0	2	2	0	0	0
## 18.10	2	0	2	2	0	0	0
## 21.9	2	0	2	2	0	0	0
## 22.8	2	0	2	2	0	0	0
## 23.7	2	0	2	2	0	0	0
## 24.6	2	0	2	2	0	0	0
## 25.5	2	0	2	2	0	0	0
## 26.4	2	0	2	2	0	0	0
## 27.3	2	0	2	2	0	0	0
## 28.2	2	0	2	2	0	0	0
## 29.1	2	0	2	2	0	0	0
## 30	2	0	2	2	0	0	0
## 17.12	2	0	2	2	0	0	0
## 18.11	2	0	2	2	0	0	0
## 21.10	2	0	2	2	0	0	0
## 22.9	2	0	2	2	0	0	0
## 23.8	2	0	2	2	0	0	0

## 24.7	2	0	2	2	0	0	0
## 25.6	2	0	2	2	0	0	0
## 26.5	2	0	2	2	0	0	0
## 27.4	2	0	2	2	0	0	0
## 28.3	2	0	2	2	0	0	0
## 29.2	2	0	2	2	0	0	0
## 30.1	2	0	2	2	0	0	0
## 31	2	0	2	2	0	0	0
## 17.13	2	0	2	2	0	0	0
## 18.12	2	0	2	2	0	0	0
## 21.11	2	0	2	2	0	0	0
## 22.10	2	0	2	2	0	0	0
## 23.9	2	0	2	2	0	0	0
## 24.8	2	0	2	2	0	0	0
## 25.7	2	0	2	2	0	0	0
## 26.6	2	0	2	2	0	0	0
## 27.5	2	0	2	2	0	0	0
## 28.4	2	0	2	2	0	0	0
## 29.3	2	0	2	2	0	0	0
## 30.2	2	0	2	2	0	0	0
## 31.1	2	0	2	2	0	0	0
## 32	2	0	2	2	0	0	0
## 17.14	2	0	2	2	0	0	0
## 18.13	2	0	2	2	0	0	0
## 21.12	2	0	2	2	0	0	0
## 22.11	2	0	2	2	0	0	0
## 23.10	2	0	2	2	0	0	0
## 24.9	2	0	2	2	0	0	0
## 25.8	2	0	2	2	0	0	0
## 26.7	2	0	2	2	0	0	0
## 27.6	2	0	2	2	0	0	0
## 28.5	2	0	2	2	0	0	0
## 29.4	2	0	2	2	0	0	0
## 30.3	2	0	2	2	0	0	0
## 31.2	2	0	2	2	0	0	0
## 32.1	2	0	2	2	0	0	0
## 33	2	0	2	2	0	0	0
## 17.15	2	0	2	2	0	0	0
## 18.14	2	0	2	2	0	0	0
## 21.13	2	0	2	2	0	0	0
## 22.12	2	0	2	2	0	0	0
## 23.11	2	0	2	2	0	0	0
## 24.10	2	0	2	2	0	0	0
## 25.9	2	0	2	2	0	0	0
## 26.8	2	0	2	2	0	0	0
## 27.7	2	0	2	2	0	0	0
## 28.6	2	0	2	2	0	0	0
## 29.5	2	0	2	2	0	0	0
## 30.4	2	0	2	2	0	0	0
## 31.3	2	0	2	2	0	0	0
## 32.2	2	0	2	2	0	0	0
## 33.1	2	0	2	2	0	0	0
## 34	2	0	2	2	0	0	0
## 17.16	2	0	2	2	0	0	0

## 18.15	2	0	2	2	0	0	0
## 21.14	2	0	2	2	0	0	0
## 22.13	2	0	2	2	0	0	0
## 23.12	2	0	2	2	0	0	0
## 24.11	2	0	2	2	0	0	0
## 25.10	2	0	2	2	0	0	0
## 26.9	2	0	2	2	0	0	0
## 27.8	2	0	2	2	0	0	0
## 28.7	2	0	2	2	0	0	0
## 29.6	2	0	2	2	0	0	0
## 30.5	2	0	2	2	0	0	0
## 31.4	2	0	2	2	0	0	0
## 32.3	2	0	2	2	0	0	0
## 33.2	2	0	2	2	0	0	0
## 34.1	2	0	2	2	0	0	0
## 35	2	0	2	2	0	0	0
## 17.17	2	0	2	2	0	0	0
## 18.16	2	0	2	2	0	0	0
## 21.15	2	0	2	2	0	0	0
## 22.14	2	0	2	2	0	0	0
## 23.13	2	0	2	2	0	0	0
## 24.12	2	0	2	2	0	0	0
## 25.11	2	0	2	2	0	0	0
## 26.10	2	0	2	2	0	0	0
## 27.9	2	0	2	2	0	0	0
## 28.8	2	0	2	2	0	0	0
## 29.7	2	0	2	2	0	0	0
## 30.6	2	0	2	2	0	0	0
## 31.5	2	0	2	2	0	0	0
## 32.4	2	0	2	2	0	0	0
## 33.3	2	0	2	2	0	0	0
## 34.2	2	0	2	2	0	0	0
## 35.1	2	0	2	2	0	0	0
## 36	2	0	2	2	0	0	0
## 17.18	2	0	2	2	0	0	0
## 18.17	2	0	2	2	0	0	0
## 21.16	2	0	2	2	0	0	0
## 22.15	2	0	2	2	0	0	0
## 23.14	2	0	2	2	0	0	0
## 24.13	2	0	2	2	0	0	0
## 25.12	2	0	2	2	0	0	0
## 26.11	2	0	2	2	0	0	0
## 27.10	2	0	2	2	0	0	0
## 28.9	2	0	2	2	0	0	0
## 29.8	2	0	2	2	0	0	0
## 30.7	2	0	2	2	0	0	0
## 31.6	2	0	2	2	0	0	0
## 32.5	2	0	2	2	0	0	0
## 33.4	2	0	2	2	0	0	0
## 34.3	2	0	2	2	0	0	0
## 35.2	2	0	2	2	0	0	0
## 36.1	2	0	2	2	0	0	0
## 37	2	0	2	2	0	0	0
## 17.19	2	0	2	2	0	0	0

## 18.18	2	0	2	2	0	0	0
## 21.17	2	0	2	2	0	0	0
## 22.16	2	0	2	2	0	0	0
## 23.15	2	0	2	2	0	0	0
## 24.14	2	0	2	2	0	0	0
## 25.13	2	0	2	2	0	0	0
## 26.12	2	0	2	2	0	0	0
## 27.11	2	0	2	2	0	0	0
## 28.10	2	0	2	2	0	0	0
## 29.9	2	0	2	2	0	0	0
## 30.8	2	0	2	2	0	0	0
## 31.7	2	0	2	2	0	0	0
## 32.6	2	0	2	2	0	0	0
## 33.5	2	0	2	2	0	0	0
## 34.4	2	0	2	2	0	0	0
## 35.3	2	0	2	2	0	0	0
## 36.2	2	0	2	2	0	0	0
## 37.1	2	0	2	2	0	0	0
## 38	2	0	2	2	0	0	0
## 17.20	2	0	2	2	0	0	0
## 18.19	2	0	2	2	0	0	0
## 21.18	2	0	2	2	0	0	0
## 22.17	2	0	2	2	0	0	0
## 23.16	2	0	2	2	0	0	0
## 24.15	2	0	2	2	0	0	0
## 25.14	2	0	2	2	0	0	0
## 26.13	2	0	2	2	0	0	0
## 27.12	2	0	2	2	0	0	0
## 28.11	2	0	2	2	0	0	0
## 29.10	2	0	2	2	0	0	0
## 30.9	2	0	2	2	0	0	0
## 31.8	2	0	2	2	0	0	0
## 32.7	2	0	2	2	0	0	0
## 33.6	2	0	2	2	0	0	0
## 34.5	2	0	2	2	0	0	0
## 35.4	2	0	2	2	0	0	0
## 36.3	2	0	2	2	0	0	0
## 37.2	2	0	2	2	0	0	0
## 38.1	2	0	2	2	0	0	0
## 39	2	0	2	2	0	0	0
## 17.21	2	0	2	2	0	0	0
## 18.20	2	0	2	2	0	0	0
## 21.19	2	0	2	2	0	0	0
## 22.18	2	0	2	2	0	0	0
## 23.17	2	0	2	2	0	0	0
## 24.16	2	0	2	2	0	0	0
## 25.15	2	0	2	2	0	0	0
## 26.14	2	0	2	2	0	0	0
## 27.13	2	0	2	2	0	0	0
## 28.12	2	0	2	2	0	0	0
## 29.11	2	0	2	2	0	0	0
## 30.10	2	0	2	2	0	0	0
## 31.9	2	0	2	2	0	0	0
## 32.8	2	0	2	2	0	0	0

## 33.7	2	0	2	2	0	0	0
## 34.6	2	0	2	2	0	0	0
## 35.5	2	0	2	2	0	0	0
## 36.4	2	0	2	2	0	0	0
## 37.3	2	0	2	2	0	0	0
## 38.2	2	0	2	2	0	0	0
## 39.1	2	0	2	2	0	0	0
## 41	2	0	2	2	0	0	0
## 10	2	0	2	2	0	0	0
## 50	2	0	11	11	0	0	0
## 51	2	0	2	2	0	0	0
## 58	2	0	11	2	0	0	0
## 44	14	0	14	14	50	0	0
## 49	13	0	13	13	0	0	0
## 9	14	0	14	14	100	0	0
## 58.1	2	0	11	2	0	0	0
## 59	2	0	11	2	0	0	0
## 74	2	0	2	2	0	0	0
## 76	14	0	2	14	0	0	0
## 88	2	0	2	2	0	0	0
## 83	2	0	2	2	0	0	0
## 89	2	0	2	2	0	50	0
## 79	2	0	2	2	0	0	0
## 76.1	14	0	2	14	0	0	0
## 77	14	0	2	14	0	0	0
## 73	14	0	14	14	0	0	0
## 72	14	0	14	2	0	0	0
## 71	2	0	14	14	0	0	0
## 96	2	0	14	2	0	0	0
## 74.1	2	0	2	2	0	0	0
## 75	2	0	2	2	0	0	0
## 104	11	0	11	11	0	0	0
## 119	8	0	12	12	0	0	0
## 129	10	50	10	10	0	0	0
## 128	14	0	14	14	0	0	0
## 122	10	0	14	10	0	0	0
## 142	2	0	2	2	0	0	0
## 150	14	0	2	2	0	0	0
## 121	2	0	14	14	0	0	0
## 167	14	0	2	14	0	0	0
## 121.1	2	0	14	14	0	0	0
## 154	2	0	14	14	0	0	0
## 142.1	2	0	2	2	0	0	0
## 146	2	0	2	2	0	0	0
## 119.1	8	0	12	12	0	0	0
## 120	8	0	12	12	0	0	0
## 177	2	0	2	2	0	0	0
## 174	14	0	14	14	0	0	0
## 175	14	0	2	2	0	0	0
## 176	14	0	14	14	100	0	0
## 135	14	0	14	14	0	0	0
## 169	14	0	14	2	0	0	0
## 196	12	0	12	12	0	0	0
## 196.1	12	0	12	12	0	0	0



## 197	12	0	12	12	0	0	0
## 196.2	12	0	12	12	0	0	0
## 197.1	12	0	12	12	0	0	0
## 198	12	0	12	12	0	0	0
## 196.3	12	0	12	12	0	0	0
## 197.2	12	0	12	12	0	0	0
## 198.1	12	0	12	12	0	0	0
## 199	12	0	12	12	0	0	0
## 196.4	12	0	12	12	0	0	0
## 197.3	12	0	12	12	0	0	0
## 198.2	12	0	12	12	0	0	0
## 199.1	12	0	12	12	0	0	0
## 200	12	0	12	12	0	0	0
## 195	9	0	14	14	0	0	0
## 206	13	0	13	13	0	0	0
## 208	2	0	5	2	0	0	0
## 213	2	0	2	10	0	0	0
## 213.1	2	0	2	10	0	0	0
## 214	2	0	2	10	0	0	0
## 213.2	2	0	2	10	0	0	0
## 214.1	2	0	2	10	0	0	0
## 215	2	0	2	10	0	0	0
## 217	2	0	2	2	0	0	0
## 217.1	2	0	2	2	0	0	0
## 218	2	0	2	2	0	0	0
## 231	2	0	10	10	0	0	0
## 242	14	0	14	14	0	0	0
## 250	12	0	14	10	0	0	0
## 223	10	0	10	10	100	0	0
## 238	14	0	14	14	0	0	0
## 246	2	0	2	2	0	0	0
## 246.1	2	0	2	2	0	0	0
## 260	2	0	2	2	0	0	0
## 282	9	0	10	10	0	0	0
## 284	11	0	2	11	0	0	0
## 196.5	12	0	12	12	0	0	0
## 197.4	12	0	12	12	0	0	0
## 198.3	12	0	12	12	0	0	0
## 199.2	12	0	12	12	0	0	0
## 200.1	12	0	12	12	0	0	0
## 201	12	0	12	12	0	0	0
## 195.1	9	0	14	14	0	0	0
## 202	9	0	14	14	0	0	0
## 238.1	14	0	14	14	0	0	0
## 254	14	0	14	14	0	0	0
## 296	14	0	14	8	0	0	0
## 237	0	0	0	0	0	0	0
## 296.1	14	0	14	8	0	0	0
## 297	14	0	14	8	0	0	0
## 275	10	0	10	10	0	0	0
## 296.2	14	0	14	8	0	0	0
## 297.1	14	0	14	8	0	0	0
## 299	14	0	14	8	0	0	0
## 237.1	0	0	0	0	0	0	0

## 298	0	0	0	0	0	0	0
## 292	2	0	2	2	0	0	0
## 195.2	9	0	14	14	0	0	0
## 202.1	9	0	14	14	0	0	0
## 293	9	0	14	14	0	0	0
## 317	2	0	2	2	0	0	0
## 316	14	0	14	12	0	0	0
## 322	14	0	14	12	0	25	0
## 324	2	0	2	2	0	0	0
## 329	9	0	14	14	100	0	0
## 337	12	0	12	14	0	0	0
## 355	2	0	2	2	0	0	0
## 322.1	14	0	14	12	0	25	0
## 323	14	0	14	12	0	25	0
## 320	14	0	14	2	0	0	0
## 317.1	2	0	2	2	0	0	0
## 318	2	0	2	2	0	0	0
## 319	14	0	14	14	0	0	0
## 317.2	2	0	2	2	0	0	0
## 318.1	2	0	2	2	0	0	0
## 375	2	0	2	2	0	0	0
## 393	12	0	8	8	0	50	0
## 316.1	14	0	14	12	0	0	0
## 321	14	0	14	12	0	0	0
## 381	14	0	14	14	0	0	0
## 399	14	0	14	14	0	0	0
## 399.1	14	0	14	14	0	0	0
## 400	14	0	14	14	0	0	0
## 402	14	0	14	14	0	0	0
## 408	12	25	12	12	0	0	0
## 408.1	12	25	12	12	0	0	0
## 409	12	25	12	12	0	0	0
## 417	14	0	14	7	0	0	0
## 411	14	0	14	14	0	0	0
## 408.2	12	25	12	12	0	0	0
## 409.1	12	25	12	12	0	0	0
## 410	12	25	12	12	0	0	0
## 431	14	25	12	8	0	75	0
## 435	9	25	12	12	0	75	0
## 433	14	0	9	2	0	100	0
## 427	12	100	10	10	0	0	0
## 447	2	0	2	2	0	0	0
## 449	2	0	10	2	0	0	0
## 465	14	75	10	10	0	25	0
## 470	2	0	2	10	100	0	0
## 460	14	0	14	14	0	0	0
## 479	14	0	14	14	0	0	0
## 402.1	14	0	14	14	0	0	0
## 403	14	0	14	14	0	0	0
## 502	14	0	8	2	0	0	0
## 502.1	14	0	8	2	0	0	0
## 503	14	0	8	2	0	0	0
## 497	2	0	2	2	0	0	0
## 514	14	25	14	14	0	0	0

## 507	2	0	2	2	0	0	0
## 399.2	14	0	14	14	0	0	0
## 400.1	14	0	14	14	0	0	0
## 401	14	0	14	14	0	0	0
## 497.1	2	0	2	2	0	0	0
## 508	2	0	2	2	0	0	0
## 495	2	0	2	2	100	0	0
## 572	2	0	2	2	0	0	0
## 574	2	0	2	2	0	0	0
## 574.1	2	0	2	2	0	0	0
## 575	2	0	2	2	0	0	0
## 579	2	0	2	2	0	0	0
## 579.1	2	0	2	2	0	0	0
## 582	2	0	2	2	0	0	0
## 586	2	0	2	2	0	0	0
## 572.1	2	0	2	2	0	0	0
## 573	2	0	2	2	0	0	0
## 599	2	0	2	2	0	0	0
## 612	10	0	12	12	0	100	0
## 617	2	0	2	2	0	0	0
## 616	14	0	9	14	0	0	0
## 641	9	0	9	14	0	0	0
## 662	14	50	14	14	0	50	0
## 668	2	0	2	2	0	0	0
## 678	2	0	2	2	0	0	0
## 677	14	0	14	14	0	0	0
## 647	14	0	9	2	0	0	0
## 700	14	0	2	2	0	0	0
## 704	2	0	2	2	0	0	0
## 709	2	0	2	2	0	0	0
## 732	2	0	2	2	0	0	0
## 806	14	0	14	2	0	0	0
## 700.1	14	0	2	2	0	0	0
## 701	14	0	2	2	0	0	0
## 851	2	0	2	2	0	0	0
## 859	12	0	12	12	0	0	0
## 887	2	0	2	2	0	0	0
## 894	2	0	2	2	0	0	0
## 896	2	0	2	2	0	0	0
## 899	2	0	2	2	0	0	0
## 901	2	0	2	2	0	0	0
## 910	2	0	2	2	0	0	0
## 894.1	2	0	2	2	0	0	0
## 900	2	0	2	2	0	0	0
## 917	2	0	2	2	0	0	0
## 926	2	0	2	2	0	0	0
## 892	2	0	2	2	0	0	0
## 945	2	0	2	2	0	0	0
## 937	2	0	2	2	0	0	0
## 908	2	0	2	2	0	0	0
## 958	2	0	2	2	0	0	0
## 971	2	0	2	2	0	0	0
## 985	2	0	14	14	0	0	0
## 1019	10	0	10	10	0	50	0

## 1039	2	0	2	2	0	0	0
## 1017	8	25	10	10	0	0	0
## 1097	12	0	2	2	0	0	0
## 1135	2	0	14	2	0	0	0
## 1135.1	2	0	14	2	0	0	0
## 1136	2	0	14	2	0	0	0
## 1139	2	0	2	2	0	0	0
## 1139.1	2	0	2	2	0	0	0
## 1140	2	0	2	2	0	0	0
## 1145	9	0	9	2	0	0	0
## 1143	2	0	2	2	0	0	0
## 1145.1	9	0	9	2	0	0	0
## 1146	9	0	9	2	0	0	0
## 1138	2	0	2	2	0	0	0
## 1167	2	0	2	2	0	0	0
## 1173	2	0	2	2	0	0	0
## 1175	2	0	2	2	0	0	0
## 1178	2	0	2	2	0	0	0
## 1217	14	0	14	8	0	0	0
## 1211	12	0	12	12	0	0	0
## 1131	14	0	12	10	0	0	0
## 1250	14	0	14	14	25	25	0
## 1253	14	0	14	14	0	0	0
## 1268	10	75	10	14	0	0	0
## 1248	14	0	2	2	0	0	0
## 1249	14	0	10	10	0	0	0
## 1216	14	0	14	9	0	0	0
## 1216.1	14	0	14	9	0	0	0
## 1280	14	0	14	9	0	0	0
## 1266	14	0	8	14	0	100	0
## 1293	2	0	2	2	100	0	0
## 1295	2	0	2	2	0	0	0
## 1295.1	2	0	2	2	0	0	0
## 1296	2	0	2	2	0	0	0
## 1305	2	0	2	2	0	0	0
## 1308	5	0	2	2	0	0	0
## 1308.1	5	0	2	2	0	0	0
## 1309	5	0	2	2	0	0	0
## 1311	2	0	2	2	0	0	0
## 1315	2	0	2	2	0	0	0
## 1315.1	2	0	2	2	0	0	0
## 1316	2	0	2	2	0	0	0
## 1318	2	0	2	2	0	0	0
## 1320	2	0	2	2	0	0	0
## 1315.2	2	0	2	2	0	0	0
## 1316.1	2	0	2	2	0	0	0
## 1317	2	0	2	2	0	0	0
## 1327	2	0	2	2	0	0	0
## 1341	10	0	10	2	0	0	0
## 1345	2	0	2	14	0	0	0
## 1350	14	0	2	2	100	0	0
## 1408	2	50	8	2	0	50	0
## 1438	9	0	9	14	0	0	0
## 1443	9	0	14	14	0	0	0

## 1443.1	9	0	14	14	0	0	0
## 1444	9	0	14	14	0	0	0
## 1290	9	0	14	8	0	0	0
## 1465	8	0	14	14	0	0	0
## 1474	8	25	8	14	0	75	0
## 1474.1	8	25	8	14	0	75	0
## 1475	8	25	8	14	0	75	0
## 1485	10	0	10	10	0	0	0
## 1503	12	0	9	9	0	0	0
## 1506	12	0	12	14	50	0	0
## 1509	14	0	14	14	0	0	0
## 1533	2	0	2	2	0	0	0
## 1533.1	2	0	2	2	0	0	0
## 1534	2	0	2	2	0	0	0
## 1533.2	2	0	2	2	0	0	0
## 1534.1	2	0	2	2	0	0	0
## 1537	2	0	2	2	0	0	0
## 1533.3	2	0	2	2	0	0	0
## 1534.2	2	0	2	2	0	0	0
## 1537.1	2	0	2	2	0	0	0
## 1539	2	0	2	2	0	0	0
## 1545	14	0	2	2	0	0	0
## 1545.1	14	0	2	2	0	0	0
## 1546	14	0	2	2	0	0	0
## 1548	2	0	2	14	0	0	0
## 1552	2	0	2	2	0	0	0
## 1552.1	2	0	2	2	0	0	0
## 1557	2	0	2	2	0	0	0
## 1571	14	0	14	2	0	0	0
## 1580	2	0	2	2	0	0	0
## 1570	14	0	14	14	0	0	0
## 1584	2	0	2	2	0	0	0
## 1584.1	2	0	2	2	0	0	0
## 1606	2	0	2	2	0	0	0
## 1609	14	0	14	14	0	0	0
## 1612	2	0	2	2	100	0	0
## 1624	2	0	2	2	0	0	0
## 1629	2	0	2	2	0	0	0
## 1631	2	0	2	2	0	0	0
## 1642	2	0	2	2	0	0	0
## 1663	2	0	14	14	0	0	0
## 1702	14	0	2	14	0	0	0
## 1700	14	0	14	14	0	0	0
## 1719	14	0	2	2	0	0	0
## 1719.1	14	0	2	2	0	0	0
## 1720	14	0	2	2	0	0	0
## 1731	14	0	14	14	100	0	0
## 1742	12	0	12	12	0	0	0
## 1698	14	0	9	9	0	0	0
## 1749	12	0	10	9	0	0	0
## 1741	2	0	2	9	100	0	0
## 1768	2	0	14	14	0	0	0
## 1807	14	0	14	14	50	0	0
## 1771	14	0	8	14	0	0	0

## 1814	2	0	2	2	0	0	0
## 1830	2	0	2	8	0	0	0
## 1848	2	0	2	14	0	0	0
## 1853	14	0	2	2	0	0	0
## 1863	2	0	2	2	0	0	0
## 1862	11	0	11	11	0	0	0
## 1862.1	11	0	11	11	0	0	0
## 1867	11	0	11	11	0	0	0
## 1865	2	0	2	2	0	0	0
## 1862.2	11	0	11	11	0	0	0
## 1867.1	11	0	11	11	0	0	0
## 1868	11	0	11	11	0	0	0
## 1862.3	11	0	11	11	0	0	0
## 1867.2	11	0	11	11	0	0	0
## 1868.1	11	0	11	11	0	0	0
## 1872	11	0	11	11	0	0	0
## 1879	2	0	2	2	0	0	0
## 1911	9	0	9	9	0	0	0
## 1952	12	0	12	12	0	0	0
## 1954	14	0	14	8	0	0	0
## 1973	12	0	10	10	0	0	0
## 1989	2	0	2	2	0	0	0
## 1994	14	0	14	14	0	0	0
## 1996	10	0	14	14	0	0	0
## 1998	2	0	2	2	0	0	0
## 1998.1	2	0	2	2	0	0	0
## 1999	2	0	2	2	0	0	0
## 2001	10	25	14	14	0	50	0
## 2021	10	75	2	2	0	25	0
## 2015	10	50	12	12	0	50	0
## 2029	14	0	14	10	0	0	0
## 2034	14	0	2	2	0	0	0
## 2039	2	0	2	2	0	0	0
## 2045	2	0	2	2	0	0	0
## 2064	2	0	2	2	0	0	0
## 2062	2	0	2	2	0	0	0
## 2069	2	0	2	2	0	0	0
## 2064.1	2	0	2	2	0	0	0
## 2070	2	0	2	2	0	0	0
## 2101	14	0	14	14	50	0	0
## 2110	14	0	14	9	50	50	0
## 2113	8	0	8	14	0	0	0
## 2131	12	0	12	2	0	0	0
## 2131.1	12	0	12	2	0	0	0
## 2132	12	0	12	2	0	0	0
## 2135	12	0	12	12	0	50	0
## 2145	9	0	9	14	0	0	0
## 2153	14	0	9	9	0	25	0
## 2162	10	50	10	10	0	25	0
## 2162.1	10	50	10	10	0	25	0
## 2163	10	50	10	10	0	25	0
## 2168	14	0	14	10	0	0	0
## 2168.1	14	0	14	10	0	0	0
## 2169	14	0	14	10	0	0	0

## 2179	14	0	14	14	0	0	0
## 2178	14	0	14	14	0	0	0
## 2182	12	0	14	14	0	0	0
## 2162.2	10	50	10	10	0	25	0
## 2163.1	10	50	10	10	0	25	0
## 2164	10	50	10	10	0	25	0
## 2187	14	25	14	14	0	0	0
## 2162.3	10	50	10	10	0	25	0
## 2163.2	10	50	10	10	0	25	0
## 2164.1	10	50	10	10	0	25	0
## 2184	10	50	10	10	0	25	0
## 2174	14	0	14	14	0	50	0
## 2179.1	14	0	14	14	0	0	0
## 2180	14	0	14	14	0	0	0
## 2212	13	0	13	13	0	0	0
## 2229	10	0	10	10	0	100	0
## 2229.1	10	0	10	10	0	100	0
## 2230	10	0	10	10	0	100	0
## 2237	12	0	14	14	0	100	0
## 2247	2	0	2	2	0	0	0
## 2252	10	0	14	14	0	0	0
## 2275	14	0	2	2	0	0	0
## 2282	2	0	2	2	0	0	0
## 2273	2	0	14	2	0	0	0
## 2273.1	2	0	14	2	0	0	0
## 2285	2	0	14	2	0	0	0
## 2287	2	0	2	2	0	0	0
## 2292	2	0	2	2	0	0	0
## 2297	2	0	2	2	0	0	0
## 2300	2	0	2	2	0	0	0
## 2302	14	0	14	14	0	0	0
## 2308	14	0	2	2	0	0	0
## 2308.1	14	0	2	2	0	0	0
## 2309	14	0	2	2	0	0	0
## 2323	2	0	2	2	0	0	0
## 2339	2	0	2	2	0	0	0
## 2357	9	0	9	14	0	0	0
## 2360	9	0	12	12	0	0	0
## 2349	14	0	14	14	0	0	0
## 2367	12	0	12	12	0	0	0
## 2366	12	0	12	12	0	0	0
## 2380	9	0	9	12	0	0	0
## 2418	12	0	14	14	0	0	0
## 2433	14	0	14	9	0	0	0
## 2442	12	0	12	12	100	0	0
## 2450	14	0	14	14	0	0	0
## 2463	14	0	10	10	0	0	0
## 2480	13	100	13	13	0	0	0
## 2493	10	0	10	10	0	100	0
## 2504	14	0	14	14	0	25	0
## 2508	10	75	12	12	0	25	0
## 2512	14	50	14	14	0	0	0
## 2525	14	0	9	2	0	50	0
## 2533	13	0	13	13	0	0	0

## 2541	2	0	2	2	0	0	0
## 2548	2	0	2	2	0	0	0
## 2556	2	0	2	2	0	0	0
## 2568	2	0	2	2	0	0	0
## 2574	2	0	2	2	0	0	0
## 2573	2	0	2	2	0	0	0
## 2574.1	2	0	2	2	0	0	0
## 2575	2	0	2	2	0	0	0
## 2585	2	0	2	2	0	0	0
## 2574.2	2	0	2	2	0	0	0
## 2575.1	2	0	2	2	0	0	0
## 2579	2	0	2	2	0	0	0
## 2574.3	2	0	2	2	0	0	0
## 2575.2	2	0	2	2	0	0	0
## 2579.1	2	0	2	2	0	0	0
## 2591	2	0	2	2	0	0	0
## 2574.4	2	0	2	2	0	0	0
##	gacgem3a	gachws3a	galhws3a	ganhws3a	garhws3a	gcmhws3a	geaisg3a
## 3	540	30	0	0	0	40	80
## 3.1	540	30	0	0	0	40	80
## 4	540	30	0	0	0	40	80
## 2	363	30	0	0	0	40	80
## 11	447	0	0	0	0	25	72
## 11.1	447	0	0	0	0	25	72
## 12	447	0	0	0	0	25	72
## 11.2	447	0	0	0	0	25	72
## 12.1	447	0	0	0	0	25	72
## 13	447	0	0	0	0	25	72
## 11.3	447	0	0	0	0	25	72
## 12.2	447	0	0	0	0	25	72
## 13.1	447	0	0	0	0	25	72
## 14	447	0	0	0	0	25	72
## 11.4	447	0	0	0	0	25	72
## 12.3	447	0	0	0	0	25	72
## 13.2	447	0	0	0	0	25	72
## 14.1	447	0	0	0	0	25	72
## 15	447	0	0	0	0	25	72
## 17	311	0	0	0	0	0	80
## 11.5	447	0	0	0	0	25	72
## 12.4	447	0	0	0	0	25	72
## 13.3	447	0	0	0	0	25	72
## 14.2	447	0	0	0	0	25	72
## 15.1	447	0	0	0	0	25	72
## 16	447	0	0	0	0	25	72
## 17.1	311	0	0	0	0	0	80
## 18	311	0	0	0	0	0	80
## 17.2	311	0	0	0	0	0	80
## 18.1	311	0	0	0	0	0	80
## 21	311	0	0	0	0	0	80
## 17.3	311	0	0	0	0	0	80
## 18.2	311	0	0	0	0	0	80
## 21.1	311	0	0	0	0	0	80
## 22	311	0	0	0	0	0	80
## 17.4	311	0	0	0	0	0	80



## 18.3	311	0	0	0	0	0	80
## 21.2	311	0	0	0	0	0	80
## 22.1	311	0	0	0	0	0	80
## 23	311	0	0	0	0	0	80
## 17.5	311	0	0	0	0	0	80
## 18.4	311	0	0	0	0	0	80
## 21.3	311	0	0	0	0	0	80
## 22.2	311	0	0	0	0	0	80
## 23.1	311	0	0	0	0	0	80
## 24	311	0	0	0	0	0	80
## 17.6	311	0	0	0	0	0	80
## 18.5	311	0	0	0	0	0	80
## 21.4	311	0	0	0	0	0	80
## 22.3	311	0	0	0	0	0	80
## 23.2	311	0	0	0	0	0	80
## 24.1	311	0	0	0	0	0	80
## 25	311	0	0	0	0	0	80
## 17.7	311	0	0	0	0	0	80
## 18.6	311	0	0	0	0	0	80
## 21.5	311	0	0	0	0	0	80
## 22.4	311	0	0	0	0	0	80
## 23.3	311	0	0	0	0	0	80
## 24.2	311	0	0	0	0	0	80
## 25.1	311	0	0	0	0	0	80
## 26	311	0	0	0	0	0	80
## 17.8	311	0	0	0	0	0	80
## 18.7	311	0	0	0	0	0	80
## 21.6	311	0	0	0	0	0	80
## 22.5	311	0	0	0	0	0	80
## 23.4	311	0	0	0	0	0	80
## 24.3	311	0	0	0	0	0	80
## 25.2	311	0	0	0	0	0	80
## 26.1	311	0	0	0	0	0	80
## 27	311	0	0	0	0	0	80
## 17.9	311	0	0	0	0	0	80
## 18.8	311	0	0	0	0	0	80
## 21.7	311	0	0	0	0	0	80
## 22.6	311	0	0	0	0	0	80
## 23.5	311	0	0	0	0	0	80
## 24.4	311	0	0	0	0	0	80
## 25.3	311	0	0	0	0	0	80
## 26.2	311	0	0	0	0	0	80
## 27.1	311	0	0	0	0	0	80
## 28	311	0	0	0	0	0	80
## 17.10	311	0	0	0	0	0	80
## 18.9	311	0	0	0	0	0	80
## 21.8	311	0	0	0	0	0	80
## 22.7	311	0	0	0	0	0	80
## 23.6	311	0	0	0	0	0	80
## 24.5	311	0	0	0	0	0	80
## 25.4	311	0	0	0	0	0	80
## 26.3	311	0	0	0	0	0	80
## 27.2	311	0	0	0	0	0	80
## 28.1	311	0	0	0	0	0	80

## 29	311	0	0	0	0	0	80
## 17.11	311	0	0	0	0	0	80
## 18.10	311	0	0	0	0	0	80
## 21.9	311	0	0	0	0	0	80
## 22.8	311	0	0	0	0	0	80
## 23.7	311	0	0	0	0	0	80
## 24.6	311	0	0	0	0	0	80
## 25.5	311	0	0	0	0	0	80
## 26.4	311	0	0	0	0	0	80
## 27.3	311	0	0	0	0	0	80
## 28.2	311	0	0	0	0	0	80
## 29.1	311	0	0	0	0	0	80
## 30	311	0	0	0	0	0	80
## 17.12	311	0	0	0	0	0	80
## 18.11	311	0	0	0	0	0	80
## 21.10	311	0	0	0	0	0	80
## 22.9	311	0	0	0	0	0	80
## 23.8	311	0	0	0	0	0	80
## 24.7	311	0	0	0	0	0	80
## 25.6	311	0	0	0	0	0	80
## 26.5	311	0	0	0	0	0	80
## 27.4	311	0	0	0	0	0	80
## 28.3	311	0	0	0	0	0	80
## 29.2	311	0	0	0	0	0	80
## 30.1	311	0	0	0	0	0	80
## 31	311	0	0	0	0	0	80
## 17.13	311	0	0	0	0	0	80
## 18.12	311	0	0	0	0	0	80
## 21.11	311	0	0	0	0	0	80
## 22.10	311	0	0	0	0	0	80
## 23.9	311	0	0	0	0	0	80
## 24.8	311	0	0	0	0	0	80
## 25.7	311	0	0	0	0	0	80
## 26.6	311	0	0	0	0	0	80
## 27.5	311	0	0	0	0	0	80
## 28.4	311	0	0	0	0	0	80
## 29.3	311	0	0	0	0	0	80
## 30.2	311	0	0	0	0	0	80
## 31.1	311	0	0	0	0	0	80
## 32	311	0	0	0	0	0	80
## 17.14	311	0	0	0	0	0	80
## 18.13	311	0	0	0	0	0	80
## 21.12	311	0	0	0	0	0	80
## 22.11	311	0	0	0	0	0	80
## 23.10	311	0	0	0	0	0	80
## 24.9	311	0	0	0	0	0	80
## 25.8	311	0	0	0	0	0	80
## 26.7	311	0	0	0	0	0	80
## 27.6	311	0	0	0	0	0	80
## 28.5	311	0	0	0	0	0	80
## 29.4	311	0	0	0	0	0	80
## 30.3	311	0	0	0	0	0	80
## 31.2	311	0	0	0	0	0	80
## 32.1	311	0	0	0	0	0	80

## 33	311	0	0	0	0	0	80
## 17.15	311	0	0	0	0	0	80
## 18.14	311	0	0	0	0	0	80
## 21.13	311	0	0	0	0	0	80
## 22.12	311	0	0	0	0	0	80
## 23.11	311	0	0	0	0	0	80
## 24.10	311	0	0	0	0	0	80
## 25.9	311	0	0	0	0	0	80
## 26.8	311	0	0	0	0	0	80
## 27.7	311	0	0	0	0	0	80
## 28.6	311	0	0	0	0	0	80
## 29.5	311	0	0	0	0	0	80
## 30.4	311	0	0	0	0	0	80
## 31.3	311	0	0	0	0	0	80
## 32.2	311	0	0	0	0	0	80
## 33.1	311	0	0	0	0	0	80
## 34	311	0	0	0	0	0	80
## 17.16	311	0	0	0	0	0	80
## 18.15	311	0	0	0	0	0	80
## 21.14	311	0	0	0	0	0	80
## 22.13	311	0	0	0	0	0	80
## 23.12	311	0	0	0	0	0	80
## 24.11	311	0	0	0	0	0	80
## 25.10	311	0	0	0	0	0	80
## 26.9	311	0	0	0	0	0	80
## 27.8	311	0	0	0	0	0	80
## 28.7	311	0	0	0	0	0	80
## 29.6	311	0	0	0	0	0	80
## 30.5	311	0	0	0	0	0	80
## 31.4	311	0	0	0	0	0	80
## 32.3	311	0	0	0	0	0	80
## 33.2	311	0	0	0	0	0	80
## 34.1	311	0	0	0	0	0	80
## 35	311	0	0	0	0	0	80
## 17.17	311	0	0	0	0	0	80
## 18.16	311	0	0	0	0	0	80
## 21.15	311	0	0	0	0	0	80
## 22.14	311	0	0	0	0	0	80
## 23.13	311	0	0	0	0	0	80
## 24.12	311	0	0	0	0	0	80
## 25.11	311	0	0	0	0	0	80
## 26.10	311	0	0	0	0	0	80
## 27.9	311	0	0	0	0	0	80
## 28.8	311	0	0	0	0	0	80
## 29.7	311	0	0	0	0	0	80
## 30.6	311	0	0	0	0	0	80
## 31.5	311	0	0	0	0	0	80
## 32.4	311	0	0	0	0	0	80
## 33.3	311	0	0	0	0	0	80
## 34.2	311	0	0	0	0	0	80
## 35.1	311	0	0	0	0	0	80
## 36	311	0	0	0	0	0	80
## 17.18	311	0	0	0	0	0	80
## 18.17	311	0	0	0	0	0	80

## 21.16	311	0	0	0	0	0	80
## 22.15	311	0	0	0	0	0	80
## 23.14	311	0	0	0	0	0	80
## 24.13	311	0	0	0	0	0	80
## 25.12	311	0	0	0	0	0	80
## 26.11	311	0	0	0	0	0	80
## 27.10	311	0	0	0	0	0	80
## 28.9	311	0	0	0	0	0	80
## 29.8	311	0	0	0	0	0	80
## 30.7	311	0	0	0	0	0	80
## 31.6	311	0	0	0	0	0	80
## 32.5	311	0	0	0	0	0	80
## 33.4	311	0	0	0	0	0	80
## 34.3	311	0	0	0	0	0	80
## 35.2	311	0	0	0	0	0	80
## 36.1	311	0	0	0	0	0	80
## 37	311	0	0	0	0	0	80
## 17.19	311	0	0	0	0	0	80
## 18.18	311	0	0	0	0	0	80
## 21.17	311	0	0	0	0	0	80
## 22.16	311	0	0	0	0	0	80
## 23.15	311	0	0	0	0	0	80
## 24.14	311	0	0	0	0	0	80
## 25.13	311	0	0	0	0	0	80
## 26.12	311	0	0	0	0	0	80
## 27.11	311	0	0	0	0	0	80
## 28.10	311	0	0	0	0	0	80
## 29.9	311	0	0	0	0	0	80
## 30.8	311	0	0	0	0	0	80
## 31.7	311	0	0	0	0	0	80
## 32.6	311	0	0	0	0	0	80
## 33.5	311	0	0	0	0	0	80
## 34.4	311	0	0	0	0	0	80
## 35.3	311	0	0	0	0	0	80
## 36.2	311	0	0	0	0	0	80
## 37.1	311	0	0	0	0	0	80
## 38	311	0	0	0	0	0	80
## 17.20	311	0	0	0	0	0	80
## 18.19	311	0	0	0	0	0	80
## 21.18	311	0	0	0	0	0	80
## 22.17	311	0	0	0	0	0	80
## 23.16	311	0	0	0	0	0	80
## 24.15	311	0	0	0	0	0	80
## 25.14	311	0	0	0	0	0	80
## 26.13	311	0	0	0	0	0	80
## 27.12	311	0	0	0	0	0	80
## 28.11	311	0	0	0	0	0	80
## 29.10	311	0	0	0	0	0	80
## 30.9	311	0	0	0	0	0	80
## 31.8	311	0	0	0	0	0	80
## 32.7	311	0	0	0	0	0	80
## 33.6	311	0	0	0	0	0	80
## 34.5	311	0	0	0	0	0	80
## 35.4	311	0	0	0	0	0	80

## 36.3	311	0	0	0	0	0	80
## 37.2	311	0	0	0	0	0	80
## 38.1	311	0	0	0	0	0	80
## 39	311	0	0	0	0	0	80
## 17.21	311	0	0	0	0	0	80
## 18.20	311	0	0	0	0	0	80
## 21.19	311	0	0	0	0	0	80
## 22.18	311	0	0	0	0	0	80
## 23.17	311	0	0	0	0	0	80
## 24.16	311	0	0	0	0	0	80
## 25.15	311	0	0	0	0	0	80
## 26.14	311	0	0	0	0	0	80
## 27.13	311	0	0	0	0	0	80
## 28.12	311	0	0	0	0	0	80
## 29.11	311	0	0	0	0	0	80
## 30.10	311	0	0	0	0	0	80
## 31.9	311	0	0	0	0	0	80
## 32.8	311	0	0	0	0	0	80
## 33.7	311	0	0	0	0	0	80
## 34.6	311	0	0	0	0	0	80
## 35.5	311	0	0	0	0	0	80
## 36.4	311	0	0	0	0	0	80
## 37.3	311	0	0	0	0	0	80
## 38.2	311	0	0	0	0	0	80
## 39.1	311	0	0	0	0	0	80
## 41	311	0	0	0	0	0	80
## 10	157	30	0	0	0	40	72
## 50	423	30	0	0	0	40	80
## 51	407	30	0	0	0	40	80
## 58	515	30	0	0	0	40	80
## 44	585	30	0	0	0	40	72
## 49	470	30	0	0	0	40	72
## 9	69	0	0	0	0	25	80
## 58.1	515	30	0	0	0	40	80
## 59	515	30	0	0	0	40	80
## 74	517	30	0	0	0	40	80
## 76	625	30	0	0	0	40	72
## 88	647	30	0	0	0	40	80
## 83	626	30	0	0	0	40	80
## 89	537	30	0	0	0	40	80
## 79	461	0	0	0	0	25	80
## 76.1	625	30	0	0	0	40	72
## 77	625	30	0	0	0	40	72
## 73	497	30	0	0	0	40	80
## 72	526	30	0	0	0	40	80
## 71	548	30	0	0	0	40	80
## 96	526	30	0	0	0	40	72
## 74.1	517	30	0	0	0	40	80
## 75	517	30	0	0	0	40	80
## 104	9	0	0	0	80	0	80
## 119	248	0	0	0	80	0	80
## 129	273	0	0	60	0	0	18
## 128	122	0	0	100	0	0	18
## 122	161	0	0	100	0	0	18

## 142	15	0	0	0	0	0	80
## 150	339	0	0	0	0	25	80
## 121	36	0	0	0	0	25	80
## 167	229	0	0	0	0	25	80
## 121.1	36	0	0	0	0	25	80
## 154	36	0	0	0	0	25	80
## 142.1	15	0	0	0	0	0	80
## 146	15	0	0	0	0	0	80
## 119.1	248	0	0	0	80	0	80
## 120	248	0	0	0	80	0	80
## 177	806	30	0	0	0	40	80
## 174	22	0	0	0	0	0	80
## 175	58	0	0	0	0	20	80
## 176	37	0	0	0	80	0	80
## 135	137	0	0	100	0	0	11
## 169	179	0	0	0	0	25	80
## 196	520	0	0	0	0	20	80
## 196.1	520	0	0	0	0	20	80
## 197	520	0	0	0	0	20	80
## 196.2	520	0	0	0	0	20	80
## 197.1	520	0	0	0	0	20	80
## 198	520	0	0	0	0	20	80
## 196.3	520	0	0	0	0	20	80
## 197.2	520	0	0	0	0	20	80
## 198.1	520	0	0	0	0	20	80
## 199	520	0	0	0	0	20	80
## 196.4	520	0	0	0	0	20	80
## 197.3	520	0	0	0	0	20	80
## 198.2	520	0	0	0	0	20	80
## 199.1	520	0	0	0	0	20	80
## 200	520	0	0	0	0	20	80
## 195	356	0	0	0	0	20	80
## 206	421	0	0	40	0	0	18
## 208	337	0	0	100	0	0	18
## 213	301	0	0	40	0	0	18
## 213.1	301	0	0	40	0	0	18
## 214	301	0	0	40	0	0	18
## 213.2	301	0	0	40	0	0	18
## 214.1	301	0	0	40	0	0	18
## 215	301	0	0	40	0	0	18
## 217	409	0	0	40	0	0	18
## 217.1	409	0	0	40	0	0	18
## 218	409	0	0	40	0	0	18
## 231	197	0	0	60	0	0	18
## 242	85	0	0	100	0	0	18
## 250	98	0	0	100	0	0	18
## 223	149	0	0	60	0	0	18
## 238	79	0	0	0	0	20	80
## 246	487	0	0	60	0	0	18
## 246.1	487	0	0	60	0	0	18
## 260	487	0	0	60	0	0	18
## 282	271	0	0	100	0	0	18
## 284	32	0	0	0	0	0	80
## 196.5	520	0	0	0	0	20	80

## 197.4	520	0	0	0	0	20	80
## 198.3	520	0	0	0	0	20	80
## 199.2	520	0	0	0	0	20	80
## 200.1	520	0	0	0	0	20	80
## 201	520	0	0	0	0	20	80
## 195.1	356	0	0	0	0	20	80
## 202	356	0	0	0	0	20	80
## 238.1	79	0	0	0	0	20	80
## 254	79	0	0	0	0	20	80
## 296	50	0	0	0	0	20	72
## 237	54	0	0	0	0	20	80
## 296.1	50	0	0	0	0	20	72
## 297	50	0	0	0	0	20	72
## 275	450	0	0	60	0	0	11
## 296.2	50	0	0	0	0	20	72
## 297.1	50	0	0	0	0	20	72
## 299	50	0	0	0	0	20	72
## 237.1	54	0	0	0	0	20	80
## 298	54	0	0	0	0	20	80
## 292	231	0	0	0	0	20	80
## 195.2	356	0	0	0	0	20	80
## 202.1	356	0	0	0	0	20	80
## 293	356	0	0	0	0	20	80
## 317	190	0	0	0	0	25	80
## 316	145	0	0	0	0	25	80
## 322	26	0	0	60	0	0	11
## 324	206	0	0	40	0	0	67
## 329	230	0	0	30	0	0	18
## 337	61	0	0	30	0	0	18
## 355	112	0	0	30	0	0	18
## 322.1	26	0	0	60	0	0	11
## 323	26	0	0	60	0	0	11
## 320	424	0	0	0	0	25	80
## 317.1	190	0	0	0	0	25	80
## 318	190	0	0	0	0	25	80
## 319	170	0	0	0	0	20	80
## 317.2	190	0	0	0	0	25	80
## 318.1	190	0	0	0	0	25	80
## 375	190	0	0	0	0	25	80
## 393	99	0	0	0	0	0	67
## 316.1	145	0	0	0	0	25	80
## 321	145	0	0	0	0	25	80
## 381	422	0	0	0	0	25	80
## 399	328	0	0	0	0	0	72
## 399.1	328	0	0	0	0	0	72
## 400	328	0	0	0	0	0	72
## 402	66	0	0	40	0	0	67
## 408	259	0	0	0	0	0	18
## 408.1	259	0	0	0	0	0	18
## 409	259	0	0	0	0	0	18
## 417	40	0	0	0	0	0	18
## 411	59	0	0	0	0	0	18
## 408.2	259	0	0	0	0	0	18
## 409.1	259	0	0	0	0	0	18

## 410	259	0	0	0	0	0	18
## 431	234	0	0	0	0	0	18
## 435	218	0	0	0	0	0	18
## 433	234	0	0	0	0	0	18
## 427	431	0	0	30	0	0	18
## 447	726	0	0	40	0	0	67
## 449	569	0	0	40	0	0	67
## 465	6	0	0	0	0	0	18
## 470	182	0	0	40	0	0	67
## 460	66	0	0	0	0	0	67
## 479	34	0	0	0	0	0	18
## 402.1	66	0	0	40	0	0	67
## 403	66	0	0	40	0	0	67
## 502	14	0	0	30	0	0	18
## 502.1	14	0	0	30	0	0	18
## 503	14	0	0	30	0	0	18
## 497	761	0	0	80	0	0	80
## 514	7	0	0	0	0	0	18
## 507	783	0	0	0	0	25	80
## 399.2	328	0	0	0	0	0	72
## 400.1	328	0	0	0	0	0	72
## 401	328	0	0	0	0	0	72
## 497.1	761	0	0	80	0	0	80
## 508	761	0	0	80	0	0	80
## 495	764	0	0	80	0	0	37
## 572	1736	0	0	80	0	0	38
## 574	1599	0	0	80	0	0	38
## 574.1	1599	0	0	80	0	0	38
## 575	1599	0	0	80	0	0	38
## 579	1819	0	0	80	0	0	38
## 579.1	1819	0	0	80	0	0	38
## 582	1819	0	0	80	0	0	38
## 586	1824	0	0	80	0	0	38
## 572.1	1736	0	0	80	0	0	38
## 573	1736	0	0	80	0	0	38
## 599	1123	45	0	0	0	0	80
## 612	21	0	0	30	0	0	18
## 617	108	0	0	80	0	0	72
## 616	10	0	0	30	0	0	18
## 641	12	0	0	30	0	0	18
## 662	24	0	0	30	0	0	18
## 668	498	0	0	100	0	0	37
## 678	261	0	0	80	0	0	37
## 677	79	0	0	0	0	20	80
## 647	243	0	0	0	0	20	80
## 700	394	0	0	0	0	25	80
## 704	1479	0	0	0	0	100	80
## 709	1527	60	0	20	0	20	80
## 732	1221	60	0	20	0	20	80
## 806	480	0	0	100	0	0	11
## 700.1	394	0	0	0	0	25	80
## 701	394	0	0	0	0	25	80
## 851	366	0	0	100	0	0	18
## 859	453	0	0	80	0	0	72



## 887	746	0	0	0	0	100	80
## 894	624	0	0	0	0	100	80
## 896	613	0	0	0	0	100	80
## 899	965	0	0	0	0	100	80
## 901	603	60	0	20	0	20	80
## 910	714	60	0	20	0	20	80
## 894.1	624	0	0	0	0	100	80
## 900	624	0	0	0	0	100	80
## 917	671	60	0	20	0	20	80
## 926	1001	60	0	20	0	20	80
## 892	869	60	0	20	0	20	80
## 945	358	0	0	0	0	100	80
## 937	411	0	0	0	0	100	11
## 908	193	0	0	0	0	100	11
## 958	463	100	0	0	0	0	80
## 971	634	40	0	0	0	60	80
## 985	71	0	0	100	0	0	37
## 1019	148	0	0	50	30	0	18
## 1039	62	0	0	100	0	0	37
## 1017	26	0	0	50	30	0	37
## 1097	642	0	0	80	0	0	37
## 1135	753	0	0	100	0	0	37
## 1135.1	753	0	0	100	0	0	37
## 1136	753	0	0	100	0	0	37
## 1139	602	0	0	100	0	0	37
## 1139.1	602	0	0	100	0	0	37
## 1140	602	0	0	100	0	0	37
## 1145	604	0	0	80	0	0	37
## 1143	740	0	0	80	0	0	37
## 1145.1	604	0	0	80	0	0	37
## 1146	604	0	0	80	0	0	37
## 1138	646	0	0	80	0	0	37
## 1167	199	0	0	0	0	100	18
## 1173	239	0	0	0	0	100	11
## 1175	212	0	0	0	0	100	11
## 1178	358	0	0	0	0	100	11
## 1217	256	0	0	0	0	0	37
## 1211	641	0	0	0	0	0	80
## 1131	6	0	0	50	30	0	18
## 1250	224	0	0	0	0	0	80
## 1253	230	0	0	0	80	0	80
## 1268	10	0	0	50	30	0	18
## 1248	278	0	0	0	0	20	72
## 1249	306	0	0	80	0	0	72
## 1216	672	0	0	0	0	0	37
## 1216.1	672	0	0	0	0	0	37
## 1280	672	0	0	0	0	0	37
## 1266	18	0	0	50	30	0	18
## 1293	25	0	0	100	0	0	37
## 1295	70	0	0	100	0	0	11
## 1295.1	70	0	0	100	0	0	11
## 1296	70	0	0	100	0	0	11
## 1305	258	0	0	100	0	0	37
## 1308	69	0	0	100	0	0	37

## 1308.1	69	0	0	100	0	0	37
## 1309	69	0	0	100	0	0	37
## 1311	34	0	0	100	0	0	37
## 1315	353	0	0	100	0	0	37
## 1315.1	353	0	0	100	0	0	37
## 1316	353	0	0	100	0	0	37
## 1318	302	0	0	100	0	0	37
## 1320	364	0	0	100	0	0	37
## 1315.2	353	0	0	100	0	0	37
## 1316.1	353	0	0	100	0	0	37
## 1317	353	0	0	100	0	0	37
## 1327	307	0	0	100	0	0	37
## 1341	263	0	0	80	0	0	37
## 1345	122	0	0	80	0	0	37
## 1350	10	0	0	80	0	0	37
## 1408	10	0	0	30	0	0	18
## 1438	329	0	0	0	80	0	80
## 1443	344	0	0	0	80	0	80
## 1443.1	344	0	0	0	80	0	80
## 1444	344	0	0	0	80	0	80
## 1290	378	0	0	0	0	0	37
## 1465	276	0	0	0	0	0	80
## 1474	11	0	0	30	0	0	18
## 1474.1	11	0	0	30	0	0	18
## 1475	11	0	0	30	0	0	18
## 1485	166	0	0	30	0	0	18
## 1503	156	0	0	80	0	0	80
## 1506	50	0	0	0	0	20	80
## 1509	12	0	0	30	0	0	18
## 1533	18	0	0	100	0	0	37
## 1533.1	18	0	0	100	0	0	37
## 1534	18	0	0	100	0	0	37
## 1533.2	18	0	0	100	0	0	37
## 1534.1	18	0	0	100	0	0	37
## 1537	18	0	0	100	0	0	37
## 1533.3	18	0	0	100	0	0	37
## 1534.2	18	0	0	100	0	0	37
## 1537.1	18	0	0	100	0	0	37
## 1539	18	0	0	100	0	0	37
## 1545	30	0	0	100	0	0	37
## 1545.1	30	0	0	100	0	0	37
## 1546	30	0	0	100	0	0	37
## 1548	38	0	0	100	0	0	37
## 1552	269	0	0	100	0	0	37
## 1552.1	269	0	0	100	0	0	37
## 1557	269	0	0	100	0	0	37
## 1571	48	0	0	80	0	0	72
## 1580	155	0	0	40	0	0	18
## 1570	25	0	0	80	0	0	72
## 1584	53	0	0	40	0	0	67
## 1584.1	53	0	0	40	0	0	67
## 1606	53	0	0	40	0	0	67
## 1609	52	0	0	80	0	0	72
## 1612	613	0	0	100	0	0	37

## 1624	307	0	0	80	0	0	67
## 1629	373	0	0	80	0	0	67
## 1631	289	0	0	80	0	0	67
## 1642	453	0	0	0	0	0	80
## 1663	586	100	0	0	0	0	80
## 1702	299	0	0	30	0	0	18
## 1700	35	0	0	30	0	0	18
## 1719	167	0	0	80	0	0	80
## 1719.1	167	0	0	80	0	0	80
## 1720	167	0	0	80	0	0	80
## 1731	217	0	0	0	0	20	80
## 1742	116	0	0	0	0	30	80
## 1698	360	0	0	80	0	0	80
## 1749	261	0	0	0	0	0	80
## 1741	264	0	0	0	0	0	37
## 1768	9	0	0	30	0	0	18
## 1807	252	0	0	0	80	0	80
## 1771	251	0	0	0	80	0	80
## 1814	550	0	0	100	0	0	38
## 1830	758	0	0	100	0	0	37
## 1848	952	0	0	100	0	0	37
## 1853	116	0	0	80	0	0	67
## 1863	117	0	0	80	0	0	67
## 1862	82	0	0	80	0	0	67
## 1862.1	82	0	0	80	0	0	67
## 1867	82	0	0	80	0	0	67
## 1865	112	0	0	80	0	0	67
## 1862.2	82	0	0	80	0	0	67
## 1867.1	82	0	0	80	0	0	67
## 1868	82	0	0	80	0	0	67
## 1862.3	82	0	0	80	0	0	67
## 1867.2	82	0	0	80	0	0	67
## 1868.1	82	0	0	80	0	0	67
## 1872	82	0	0	80	0	0	67
## 1879	784	100	0	0	0	0	80
## 1911	76	0	0	0	0	30	80
## 1952	264	0	0	0	80	0	80
## 1954	348	0	0	0	80	0	80
## 1973	62	0	0	100	0	0	18
## 1989	986	0	0	100	0	0	37
## 1994	107	0	0	100	0	0	37
## 1996	75	0	0	100	0	0	37
## 1998	538	0	0	100	0	0	37
## 1998.1	538	0	0	100	0	0	37
## 1999	538	0	0	100	0	0	37
## 2001	169	0	0	100	0	0	37
## 2021	65	0	0	50	30	0	18
## 2015	96	0	0	50	30	0	18
## 2029	747	0	0	100	0	0	37
## 2034	1076	0	0	100	0	0	37
## 2039	83	0	0	80	0	0	67
## 2045	514	0	0	80	0	0	67
## 2064	187	0	0	0	0	100	38
## 2062	139	0	0	0	0	100	38

## 2069	137	0	0	0	0	100	11
## 2064.1	187	0	0	0	0	100	38
## 2070	187	0	0	0	0	100	38
## 2101	49	0	0	0	0	50	80
## 2110	74	0	0	0	0	50	80
## 2113	58	0	0	0	0	50	80
## 2131	149	0	0	80	0	0	72
## 2131.1	149	0	0	80	0	0	72
## 2132	149	0	0	80	0	0	72
## 2135	704	0	0	100	0	0	72
## 2145	54	0	0	0	0	50	72
## 2153	418	0	0	0	0	50	80
## 2162	518	0	0	50	30	0	37
## 2162.1	518	0	0	50	30	0	37
## 2163	518	0	0	50	30	0	37
## 2168	414	0	0	50	30	0	37
## 2168.1	414	0	0	50	30	0	37
## 2169	414	0	0	50	30	0	37
## 2179	230	0	0	50	30	0	37
## 2178	174	0	0	50	30	0	37
## 2182	228	0	0	50	30	0	37
## 2162.2	518	0	0	50	30	0	37
## 2163.1	518	0	0	50	30	0	37
## 2164	518	0	0	50	30	0	37
## 2187	71	0	0	50	30	0	37
## 2162.3	518	0	0	50	30	0	37
## 2163.2	518	0	0	50	30	0	37
## 2164.1	518	0	0	50	30	0	37
## 2184	518	0	0	50	30	0	37
## 2174	98	0	0	50	30	0	37
## 2179.1	230	0	0	50	30	0	37
## 2180	230	0	0	50	30	0	37
## 2212	64	0	0	50	30	0	18
## 2229	653	0	0	50	30	0	37
## 2229.1	653	0	0	50	30	0	37
## 2230	653	0	0	50	30	0	37
## 2237	136	0	0	50	30	0	18
## 2247	737	0	0	100	0	0	72
## 2252	1106	0	0	100	0	0	37
## 2275	100	0	0	0	0	100	38
## 2282	253	0	0	0	0	100	38
## 2273	128	0	0	0	0	100	80
## 2273.1	128	0	0	0	0	100	80
## 2285	128	0	0	0	0	100	80
## 2287	125	0	0	0	0	100	11
## 2292	384	0	0	0	0	100	11
## 2297	110	0	0	0	0	100	11
## 2300	130	0	0	0	0	100	11
## 2302	220	0	0	0	0	100	38
## 2308	147	0	0	0	0	100	11
## 2308.1	147	0	0	0	0	100	11
## 2309	147	0	0	0	0	100	11
## 2323	402	100	0	0	0	0	80
## 2339	1798	0	0	0	0	0	80

## 2357	61	0	0	0	0	50	80
## 2360	195	0	0	0	0	50	80
## 2349	63	0	0	0	0	50	80
## 2367	179	0	0	40	0	0	72
## 2366	143	0	0	0	0	50	80
## 2380	37	0	0	0	0	50	72
## 2418	197	0	0	40	0	0	72
## 2433	200	0	0	40	0	0	80
## 2442	222	0	0	40	0	0	80
## 2450	90	0	0	0	0	20	80
## 2463	348	0	0	30	0	0	18
## 2480	38	0	0	50	30	0	18
## 2493	177	0	0	50	30	0	18
## 2504	33	0	0	30	0	0	18
## 2508	41	0	0	50	30	0	18
## 2512	36	0	0	50	30	0	18
## 2525	615	0	0	100	0	0	37
## 2533	125	0	0	0	0	100	80
## 2541	226	0	0	0	0	100	80
## 2548	157	0	0	0	0	100	38
## 2556	403	0	0	0	0	100	38
## 2568	124	0	0	0	0	100	80
## 2574	237	60	0	20	0	20	80
## 2573	402	60	0	20	0	20	11
## 2574.1	237	60	0	20	0	20	80
## 2575	237	60	0	20	0	20	80
## 2585	620	30	0	0	0	70	80
## 2574.2	237	60	0	20	0	20	80
## 2575.1	237	60	0	20	0	20	80
## 2579	237	60	0	20	0	20	80
## 2574.3	237	60	0	20	0	20	80
## 2575.2	237	60	0	20	0	20	80
## 2579.1	237	60	0	20	0	20	80
## 2591	237	60	0	20	0	20	80
## 2574.4	237	60	0	20	0	20	80
##	gflhws3a	gglhws3a	glcesa3a	glcjrc3a	glphws3a	glvhws3a	glwwwf3a
## 3	0	0	40	16	0	30	0
## 3.1	0	0	40	16	0	30	0
## 4	0	0	40	16	0	30	0
## 2	0	0	110	17	0	30	0
## 11	0	0	140	1	0	75	0
## 11.1	0	0	140	1	0	75	0
## 12	0	0	140	1	0	75	0
## 11.2	0	0	140	1	0	75	0
## 12.1	0	0	140	1	0	75	0
## 13	0	0	140	1	0	75	0
## 11.3	0	0	140	1	0	75	0
## 12.2	0	0	140	1	0	75	0
## 13.1	0	0	140	1	0	75	0
## 14	0	0	140	1	0	75	0
## 11.4	0	0	140	1	0	75	0
## 12.3	0	0	140	1	0	75	0
## 13.2	0	0	140	1	0	75	0
## 14.1	0	0	140	1	0	75	0

## 15	0	0	140	1	0	75	0
## 17	100	0	20	17	0	0	0
## 11.5	0	0	140	1	0	75	0
## 12.4	0	0	140	1	0	75	0
## 13.3	0	0	140	1	0	75	0
## 14.2	0	0	140	1	0	75	0
## 15.1	0	0	140	1	0	75	0
## 16	0	0	140	1	0	75	0
## 17.1	100	0	20	17	0	0	0
## 18	100	0	20	17	0	0	0
## 17.2	100	0	20	17	0	0	0
## 18.1	100	0	20	17	0	0	0
## 21	100	0	20	17	0	0	0
## 17.3	100	0	20	17	0	0	0
## 18.2	100	0	20	17	0	0	0
## 21.1	100	0	20	17	0	0	0
## 22	100	0	20	17	0	0	0
## 17.4	100	0	20	17	0	0	0
## 18.3	100	0	20	17	0	0	0
## 21.2	100	0	20	17	0	0	0
## 22.1	100	0	20	17	0	0	0
## 23	100	0	20	17	0	0	0
## 17.5	100	0	20	17	0	0	0
## 18.4	100	0	20	17	0	0	0
## 21.3	100	0	20	17	0	0	0
## 22.2	100	0	20	17	0	0	0
## 23.1	100	0	20	17	0	0	0
## 24	100	0	20	17	0	0	0
## 17.6	100	0	20	17	0	0	0
## 18.5	100	0	20	17	0	0	0
## 21.4	100	0	20	17	0	0	0
## 22.3	100	0	20	17	0	0	0
## 23.2	100	0	20	17	0	0	0
## 24.1	100	0	20	17	0	0	0
## 25	100	0	20	17	0	0	0
## 17.7	100	0	20	17	0	0	0
## 18.6	100	0	20	17	0	0	0
## 21.5	100	0	20	17	0	0	0
## 22.4	100	0	20	17	0	0	0
## 23.3	100	0	20	17	0	0	0
## 24.2	100	0	20	17	0	0	0
## 25.1	100	0	20	17	0	0	0
## 26	100	0	20	17	0	0	0
## 17.8	100	0	20	17	0	0	0
## 18.7	100	0	20	17	0	0	0
## 21.6	100	0	20	17	0	0	0
## 22.5	100	0	20	17	0	0	0
## 23.4	100	0	20	17	0	0	0
## 24.3	100	0	20	17	0	0	0
## 25.2	100	0	20	17	0	0	0
## 26.1	100	0	20	17	0	0	0
## 27	100	0	20	17	0	0	0
## 17.9	100	0	20	17	0	0	0
## 18.8	100	0	20	17	0	0	0

## 21.7	100	0	20	17	0	0	0
## 22.6	100	0	20	17	0	0	0
## 23.5	100	0	20	17	0	0	0
## 24.4	100	0	20	17	0	0	0
## 25.3	100	0	20	17	0	0	0
## 26.2	100	0	20	17	0	0	0
## 27.1	100	0	20	17	0	0	0
## 28	100	0	20	17	0	0	0
## 17.10	100	0	20	17	0	0	0
## 18.9	100	0	20	17	0	0	0
## 21.8	100	0	20	17	0	0	0
## 22.7	100	0	20	17	0	0	0
## 23.6	100	0	20	17	0	0	0
## 24.5	100	0	20	17	0	0	0
## 25.4	100	0	20	17	0	0	0
## 26.3	100	0	20	17	0	0	0
## 27.2	100	0	20	17	0	0	0
## 28.1	100	0	20	17	0	0	0
## 29	100	0	20	17	0	0	0
## 17.11	100	0	20	17	0	0	0
## 18.10	100	0	20	17	0	0	0
## 21.9	100	0	20	17	0	0	0
## 22.8	100	0	20	17	0	0	0
## 23.7	100	0	20	17	0	0	0
## 24.6	100	0	20	17	0	0	0
## 25.5	100	0	20	17	0	0	0
## 26.4	100	0	20	17	0	0	0
## 27.3	100	0	20	17	0	0	0
## 28.2	100	0	20	17	0	0	0
## 29.1	100	0	20	17	0	0	0
## 30	100	0	20	17	0	0	0
## 17.12	100	0	20	17	0	0	0
## 18.11	100	0	20	17	0	0	0
## 21.10	100	0	20	17	0	0	0
## 22.9	100	0	20	17	0	0	0
## 23.8	100	0	20	17	0	0	0
## 24.7	100	0	20	17	0	0	0
## 25.6	100	0	20	17	0	0	0
## 26.5	100	0	20	17	0	0	0
## 27.4	100	0	20	17	0	0	0
## 28.3	100	0	20	17	0	0	0
## 29.2	100	0	20	17	0	0	0
## 30.1	100	0	20	17	0	0	0
## 31	100	0	20	17	0	0	0
## 17.13	100	0	20	17	0	0	0
## 18.12	100	0	20	17	0	0	0
## 21.11	100	0	20	17	0	0	0
## 22.10	100	0	20	17	0	0	0
## 23.9	100	0	20	17	0	0	0
## 24.8	100	0	20	17	0	0	0
## 25.7	100	0	20	17	0	0	0
## 26.6	100	0	20	17	0	0	0
## 27.5	100	0	20	17	0	0	0
## 28.4	100	0	20	17	0	0	0

## 29.3	100	0	20	17	0	0	0
## 30.2	100	0	20	17	0	0	0
## 31.1	100	0	20	17	0	0	0
## 32	100	0	20	17	0	0	0
## 17.14	100	0	20	17	0	0	0
## 18.13	100	0	20	17	0	0	0
## 21.12	100	0	20	17	0	0	0
## 22.11	100	0	20	17	0	0	0
## 23.10	100	0	20	17	0	0	0
## 24.9	100	0	20	17	0	0	0
## 25.8	100	0	20	17	0	0	0
## 26.7	100	0	20	17	0	0	0
## 27.6	100	0	20	17	0	0	0
## 28.5	100	0	20	17	0	0	0
## 29.4	100	0	20	17	0	0	0
## 30.3	100	0	20	17	0	0	0
## 31.2	100	0	20	17	0	0	0
## 32.1	100	0	20	17	0	0	0
## 33	100	0	20	17	0	0	0
## 17.15	100	0	20	17	0	0	0
## 18.14	100	0	20	17	0	0	0
## 21.13	100	0	20	17	0	0	0
## 22.12	100	0	20	17	0	0	0
## 23.11	100	0	20	17	0	0	0
## 24.10	100	0	20	17	0	0	0
## 25.9	100	0	20	17	0	0	0
## 26.8	100	0	20	17	0	0	0
## 27.7	100	0	20	17	0	0	0
## 28.6	100	0	20	17	0	0	0
## 29.5	100	0	20	17	0	0	0
## 30.4	100	0	20	17	0	0	0
## 31.3	100	0	20	17	0	0	0
## 32.2	100	0	20	17	0	0	0
## 33.1	100	0	20	17	0	0	0
## 34	100	0	20	17	0	0	0
## 17.16	100	0	20	17	0	0	0
## 18.15	100	0	20	17	0	0	0
## 21.14	100	0	20	17	0	0	0
## 22.13	100	0	20	17	0	0	0
## 23.12	100	0	20	17	0	0	0
## 24.11	100	0	20	17	0	0	0
## 25.10	100	0	20	17	0	0	0
## 26.9	100	0	20	17	0	0	0
## 27.8	100	0	20	17	0	0	0
## 28.7	100	0	20	17	0	0	0
## 29.6	100	0	20	17	0	0	0
## 30.5	100	0	20	17	0	0	0
## 31.4	100	0	20	17	0	0	0
## 32.3	100	0	20	17	0	0	0
## 33.2	100	0	20	17	0	0	0
## 34.1	100	0	20	17	0	0	0
## 35	100	0	20	17	0	0	0
## 17.17	100	0	20	17	0	0	0
## 18.16	100	0	20	17	0	0	0



## 21.15	100	0	20	17	0	0	0
## 22.14	100	0	20	17	0	0	0
## 23.13	100	0	20	17	0	0	0
## 24.12	100	0	20	17	0	0	0
## 25.11	100	0	20	17	0	0	0
## 26.10	100	0	20	17	0	0	0
## 27.9	100	0	20	17	0	0	0
## 28.8	100	0	20	17	0	0	0
## 29.7	100	0	20	17	0	0	0
## 30.6	100	0	20	17	0	0	0
## 31.5	100	0	20	17	0	0	0
## 32.4	100	0	20	17	0	0	0
## 33.3	100	0	20	17	0	0	0
## 34.2	100	0	20	17	0	0	0
## 35.1	100	0	20	17	0	0	0
## 36	100	0	20	17	0	0	0
## 17.18	100	0	20	17	0	0	0
## 18.17	100	0	20	17	0	0	0
## 21.16	100	0	20	17	0	0	0
## 22.15	100	0	20	17	0	0	0
## 23.14	100	0	20	17	0	0	0
## 24.13	100	0	20	17	0	0	0
## 25.12	100	0	20	17	0	0	0
## 26.11	100	0	20	17	0	0	0
## 27.10	100	0	20	17	0	0	0
## 28.9	100	0	20	17	0	0	0
## 29.8	100	0	20	17	0	0	0
## 30.7	100	0	20	17	0	0	0
## 31.6	100	0	20	17	0	0	0
## 32.5	100	0	20	17	0	0	0
## 33.4	100	0	20	17	0	0	0
## 34.3	100	0	20	17	0	0	0
## 35.2	100	0	20	17	0	0	0
## 36.1	100	0	20	17	0	0	0
## 37	100	0	20	17	0	0	0
## 17.19	100	0	20	17	0	0	0
## 18.18	100	0	20	17	0	0	0
## 21.17	100	0	20	17	0	0	0
## 22.16	100	0	20	17	0	0	0
## 23.15	100	0	20	17	0	0	0
## 24.14	100	0	20	17	0	0	0
## 25.13	100	0	20	17	0	0	0
## 26.12	100	0	20	17	0	0	0
## 27.11	100	0	20	17	0	0	0
## 28.10	100	0	20	17	0	0	0
## 29.9	100	0	20	17	0	0	0
## 30.8	100	0	20	17	0	0	0
## 31.7	100	0	20	17	0	0	0
## 32.6	100	0	20	17	0	0	0
## 33.5	100	0	20	17	0	0	0
## 34.4	100	0	20	17	0	0	0
## 35.3	100	0	20	17	0	0	0
## 36.2	100	0	20	17	0	0	0
## 37.1	100	0	20	17	0	0	0

## 38	100	0	20	17	0	0	0
## 17.20	100	0	20	17	0	0	0
## 18.19	100	0	20	17	0	0	0
## 21.18	100	0	20	17	0	0	0
## 22.17	100	0	20	17	0	0	0
## 23.16	100	0	20	17	0	0	0
## 24.15	100	0	20	17	0	0	0
## 25.14	100	0	20	17	0	0	0
## 26.13	100	0	20	17	0	0	0
## 27.12	100	0	20	17	0	0	0
## 28.11	100	0	20	17	0	0	0
## 29.10	100	0	20	17	0	0	0
## 30.9	100	0	20	17	0	0	0
## 31.8	100	0	20	17	0	0	0
## 32.7	100	0	20	17	0	0	0
## 33.6	100	0	20	17	0	0	0
## 34.5	100	0	20	17	0	0	0
## 35.4	100	0	20	17	0	0	0
## 36.3	100	0	20	17	0	0	0
## 37.2	100	0	20	17	0	0	0
## 38.1	100	0	20	17	0	0	0
## 39	100	0	20	17	0	0	0
## 17.21	100	0	20	17	0	0	0
## 18.20	100	0	20	17	0	0	0
## 21.19	100	0	20	17	0	0	0
## 22.18	100	0	20	17	0	0	0
## 23.17	100	0	20	17	0	0	0
## 24.16	100	0	20	17	0	0	0
## 25.15	100	0	20	17	0	0	0
## 26.14	100	0	20	17	0	0	0
## 27.13	100	0	20	17	0	0	0
## 28.12	100	0	20	17	0	0	0
## 29.11	100	0	20	17	0	0	0
## 30.10	100	0	20	17	0	0	0
## 31.9	100	0	20	17	0	0	0
## 32.8	100	0	20	17	0	0	0
## 33.7	100	0	20	17	0	0	0
## 34.6	100	0	20	17	0	0	0
## 35.5	100	0	20	17	0	0	0
## 36.4	100	0	20	17	0	0	0
## 37.3	100	0	20	17	0	0	0
## 38.2	100	0	20	17	0	0	0
## 39.1	100	0	20	17	0	0	0
## 41	100	0	20	17	0	0	0
## 10	0	0	40	17	0	30	0
## 50	0	0	20	17	0	30	0
## 51	0	0	20	17	0	30	0
## 58	0	0	40	1	0	30	0
## 44	0	0	14	16	0	30	0
## 49	0	0	40	1	0	30	0
## 9	0	0	130	14	0	75	0
## 58.1	0	0	40	1	0	30	0
## 59	0	0	40	1	0	30	0
## 74	0	0	14	17	0	30	0

## 76	0	0	40	16	0	30	0
## 88	0	0	40	1	0	30	0
## 83	0	0	30	1	0	30	0
## 89	0	0	140	13	0	30	0
## 79	0	0	40	17	0	75	0
## 76.1	0	0	40	16	0	30	0
## 77	0	0	40	16	0	30	0
## 73	0	0	40	14	0	30	3
## 72	0	0	30	16	0	30	0
## 71	0	0	40	12	0	30	0
## 96	0	0	40	17	0	30	3
## 74.1	0	0	14	17	0	30	0
## 75	0	0	14	17	0	30	0
## 104	0	0	40	8	0	20	3
## 119	0	0	14	16	0	20	0
## 129	0	0	110	13	0	0	0
## 128	0	0	30	16	0	0	0
## 122	0	0	40	16	0	0	0
## 142	40	60	40	17	0	0	0
## 150	0	0	40	16	0	75	0
## 121	0	0	20	17	0	75	0
## 167	0	0	40	17	0	75	0
## 121.1	0	0	20	17	0	75	0
## 154	0	0	20	17	0	75	0
## 142.1	40	60	40	17	0	0	0
## 146	40	60	40	17	0	0	0
## 119.1	0	0	14	16	0	20	0
## 120	0	0	14	16	0	20	0
## 177	0	0	40	1	0	30	0
## 174	40	60	14	16	0	0	0
## 175	0	0	14	16	0	50	0
## 176	0	0	130	14	0	20	0
## 135	0	0	40	17	0	0	0
## 169	0	0	14	16	0	75	0
## 196	0	0	40	17	0	50	0
## 196.1	0	0	40	17	0	50	0
## 197	0	0	40	17	0	50	0
## 196.2	0	0	40	17	0	50	0
## 197.1	0	0	40	17	0	50	0
## 198	0	0	40	17	0	50	0
## 196.3	0	0	40	17	0	50	0
## 197.2	0	0	40	17	0	50	0
## 198.1	0	0	40	17	0	50	0
## 199	0	0	40	17	0	50	0
## 196.4	0	0	40	17	0	50	0
## 197.3	0	0	40	17	0	50	0
## 198.2	0	0	40	17	0	50	0
## 199.1	0	0	40	17	0	50	0
## 200	0	0	40	17	0	50	0
## 195	0	0	14	16	0	50	0
## 206	0	0	30	16	0	0	0
## 208	0	0	30	14	0	0	0
## 213	0	0	20	17	0	0	0
## 213.1	0	0	20	17	0	0	0

## 214	0	0	20	17	0	0	0
## 213.2	0	0	20	17	0	0	0
## 214.1	0	0	20	17	0	0	0
## 215	0	0	20	17	0	0	0
## 217	0	0	40	17	0	0	0
## 217.1	0	0	40	17	0	0	0
## 218	0	0	40	17	0	0	0
## 231	0	0	40	17	0	0	0
## 242	0	0	30	18	0	0	0
## 250	0	0	14	16	0	0	0
## 223	0	0	130	16	0	0	0
## 238	0	0	40	17	0	50	0
## 246	0	0	30	16	0	0	0
## 246.1	0	0	30	16	0	0	0
## 260	0	0	30	16	0	0	0
## 282	0	0	14	16	0	0	0
## 284	40	60	20	16	0	0	0
## 196.5	0	0	40	17	0	50	0
## 197.4	0	0	40	17	0	50	0
## 198.3	0	0	40	17	0	50	0
## 199.2	0	0	40	17	0	50	0
## 200.1	0	0	40	17	0	50	0
## 201	0	0	40	17	0	50	0
## 195.1	0	0	14	16	0	50	0
## 202	0	0	14	16	0	50	0
## 238.1	0	0	40	17	0	50	0
## 254	0	0	40	17	0	50	0
## 296	0	0	40	17	0	50	0
## 237	0	0	20	17	0	50	0
## 296.1	0	0	40	17	0	50	0
## 297	0	0	40	17	0	50	0
## 275	0	0	40	16	0	0	0
## 296.2	0	0	40	17	0	50	0
## 297.1	0	0	40	17	0	50	0
## 299	0	0	40	17	0	50	0
## 237.1	0	0	20	17	0	50	0
## 298	0	0	20	17	0	50	0
## 292	0	0	40	17	0	50	0
## 195.2	0	0	14	16	0	50	0
## 202.1	0	0	14	16	0	50	0
## 293	0	0	14	16	0	50	0
## 317	0	0	20	17	0	75	0
## 316	0	0	30	16	0	75	0
## 322	0	0	140	12	0	0	0
## 324	0	0	40	17	0	0	0
## 329	0	0	130	14	0	0	0
## 337	0	0	30	16	0	0	0
## 355	0	0	40	16	0	0	0
## 322.1	0	0	140	12	0	0	0
## 323	0	0	140	12	0	0	0
## 320	0	0	40	17	0	75	0
## 317.1	0	0	20	17	0	75	0
## 318	0	0	20	17	0	75	0
## 319	0	0	40	17	0	50	0

## 317.2	0	0	20	17	0	75	0
## 318.1	0	0	20	17	0	75	0
## 375	0	0	20	17	0	75	0
## 393	0	0	50	14	0	0	0
## 316.1	0	0	30	16	0	75	0
## 321	0	0	30	16	0	75	0
## 381	0	0	40	16	0	75	0
## 399	0	0	40	17	0	100	0
## 399.1	0	0	40	17	0	100	0
## 400	0	0	40	17	0	100	0
## 402	0	0	20	12	0	0	0
## 408	0	0	110	18	0	0	0
## 408.1	0	0	110	18	0	0	0
## 409	0	0	110	18	0	0	0
## 417	0	0	30	14	0	0	0
## 411	0	0	20	14	0	0	0
## 408.2	0	0	110	18	0	0	0
## 409.1	0	0	110	18	0	0	0
## 410	0	0	110	18	0	0	0
## 431	0	0	110	14	0	0	0
## 435	0	0	110	14	0	0	0
## 433	0	0	140	18	0	0	0
## 427	0	0	110	18	0	0	0
## 447	0	0	40	1	0	0	0
## 449	0	0	40	16	0	0	0
## 465	0	0	140	13	0	0	0
## 470	0	0	130	12	0	0	0
## 460	0	0	30	13	0	0	0
## 479	0	0	20	12	0	0	0
## 402.1	0	0	20	12	0	0	0
## 403	0	0	20	12	0	0	0
## 502	0	0	50	12	0	0	0
## 502.1	0	0	50	12	0	0	0
## 503	0	0	50	12	0	0	0
## 497	20	0	20	1	0	0	0
## 514	0	0	20	13	0	0	0
## 507	0	0	20	1	0	75	0
## 399.2	0	0	40	17	0	100	0
## 400.1	0	0	40	17	0	100	0
## 401	0	0	40	17	0	100	0
## 497.1	20	0	20	1	0	0	0
## 508	20	0	20	1	0	0	0
## 495	20	0	130	13	0	0	0
## 572	0	0	40	1	0	0	0
## 574	0	0	40	1	0	0	5
## 574.1	0	0	40	1	0	0	5
## 575	0	0	40	1	0	0	5
## 579	0	0	40	1	0	0	0
## 579.1	0	0	40	1	0	0	0
## 582	0	0	40	1	0	0	0
## 586	0	0	40	1	0	0	0
## 572.1	0	0	40	1	0	0	0
## 573	0	0	40	1	0	0	0
## 599	0	15	40	17	0	0	0

## 612	0	0	140	12	0	0	0
## 617	20	0	40	17	0	0	0
## 616	0	0	20	14	0	0	0
## 641	0	0	20	18	0	0	0
## 662	0	0	110	18	0	0	0
## 668	0	0	40	17	0	0	0
## 678	20	0	40	16	0	0	0
## 677	0	0	14	17	0	50	0
## 647	0	0	20	17	0	50	0
## 700	0	0	40	17	0	75	0
## 704	0	0	40	1	0	0	5
## 709	0	0	40	1	0	0	5
## 732	0	0	40	1	0	0	5
## 806	0	0	20	17	0	0	0
## 700.1	0	0	40	17	0	75	0
## 701	0	0	40	17	0	75	0
## 851	0	0	40	17	0	0	0
## 859	20	0	14	17	0	0	0
## 887	0	0	40	1	0	0	0
## 894	0	0	40	1	0	0	5
## 896	0	0	20	1	0	0	0
## 899	0	0	40	1	0	0	0
## 901	0	0	20	1	0	0	5
## 910	0	0	20	1	0	0	0
## 894.1	0	0	40	1	0	0	5
## 900	0	0	40	1	0	0	5
## 917	0	0	40	1	0	0	5
## 926	0	0	40	1	0	0	0
## 892	0	0	40	1	0	0	0
## 945	0	0	40	1	0	0	5
## 937	0	0	40	1	0	0	5
## 908	0	0	40	17	0	0	5
## 958	0	0	40	1	0	0	0
## 971	0	0	40	17	0	0	0
## 985	0	0	20	17	0	0	0
## 1019	0	0	30	18	0	0	0
## 1039	0	0	40	17	0	0	0
## 1017	0	0	40	12	0	0	0
## 1097	20	0	30	16	0	0	0
## 1135	0	0	20	1	0	0	0
## 1135.1	0	0	20	1	0	0	0
## 1136	0	0	20	1	0	0	0
## 1139	0	0	40	14	0	0	0
## 1139.1	0	0	40	14	0	0	0
## 1140	0	0	40	14	0	0	0
## 1145	20	0	40	1	0	0	0
## 1143	20	0	40	1	0	0	0
## 1145.1	20	0	40	1	0	0	0
## 1146	20	0	40	1	0	0	0
## 1138	20	0	40	1	0	0	0
## 1167	0	0	40	1	0	0	0
## 1173	0	0	40	1	0	0	5
## 1175	0	0	40	1	0	0	0
## 1178	0	0	40	1	0	0	5

## 1217	0	0	14	17	0	100	0
## 1211	0	0	14	16	0	100	0
## 1131	0	0	30	12	0	0	0
## 1250	0	0	20	14	0	100	0
## 1253	0	0	210	17	0	20	0
## 1268	0	0	110	12	0	0	0
## 1248	0	0	20	14	0	50	0
## 1249	20	0	14	17	0	0	0
## 1216	0	0	20	17	0	100	0
## 1216.1	0	0	20	17	0	100	0
## 1280	0	0	20	17	0	100	0
## 1266	0	0	140	12	0	0	0
## 1293	0	0	130	18	0	0	0
## 1295	0	0	40	1	0	0	0
## 1295.1	0	0	40	1	0	0	0
## 1296	0	0	40	1	0	0	0
## 1305	0	0	40	1	0	0	0
## 1308	0	0	40	1	0	0	0
## 1308.1	0	0	40	1	0	0	0
## 1309	0	0	40	1	0	0	0
## 1311	0	0	40	1	0	0	0
## 1315	0	0	40	1	0	0	0
## 1315.1	0	0	40	1	0	0	0
## 1316	0	0	40	1	0	0	0
## 1318	0	0	20	1	0	0	0
## 1320	0	0	40	17	0	0	0
## 1315.2	0	0	40	1	0	0	0
## 1316.1	0	0	40	1	0	0	0
## 1317	0	0	40	1	0	0	0
## 1327	0	0	40	1	0	0	0
## 1341	20	0	40	1	0	0	0
## 1345	20	0	40	14	0	0	5
## 1350	20	0	130	18	0	0	0
## 1408	0	0	110	14	0	0	0
## 1438	0	0	20	17	0	20	0
## 1443	0	0	20	17	0	20	0
## 1443.1	0	0	20	17	0	20	0
## 1444	0	0	20	17	0	20	0
## 1290	0	0	20	16	0	100	0
## 1465	0	0	40	17	0	100	0
## 1474	0	0	140	17	0	0	0
## 1474.1	0	0	140	17	0	0	0
## 1475	0	0	140	17	0	0	0
## 1485	0	0	20	16	0	0	0
## 1503	20	0	14	17	0	0	0
## 1506	0	0	130	14	0	50	0
## 1509	0	0	20	16	0	0	0
## 1533	0	0	40	17	0	0	0
## 1533.1	0	0	40	17	0	0	0
## 1534	0	0	40	17	0	0	0
## 1533.2	0	0	40	17	0	0	0
## 1534.1	0	0	40	17	0	0	0
## 1537	0	0	40	17	0	0	0
## 1533.3	0	0	40	17	0	0	0

## 1534.2	0	0	40	17	0	0	0
## 1537.1	0	0	40	17	0	0	0
## 1539	0	0	40	17	0	0	0
## 1545	0	0	40	13	0	0	0
## 1545.1	0	0	40	13	0	0	0
## 1546	0	0	40	13	0	0	0
## 1548	0	0	40	17	0	0	0
## 1552	0	0	40	17	0	0	0
## 1552.1	0	0	40	17	0	0	0
## 1557	0	0	40	17	0	0	0
## 1571	20	0	40	17	0	0	0
## 1580	0	0	40	1	0	0	0
## 1570	20	0	20	17	0	0	0
## 1584	0	0	40	1	0	0	0
## 1584.1	0	0	40	1	0	0	0
## 1606	0	0	40	1	0	0	0
## 1609	20	0	40	17	0	0	0
## 1612	0	0	130	14	0	0	0
## 1624	0	0	40	1	0	0	0
## 1629	0	0	40	1	0	0	0
## 1631	0	0	40	1	0	0	0
## 1642	30	70	40	17	0	0	0
## 1663	0	0	40	17	0	0	0
## 1702	0	0	30	16	0	0	0
## 1700	0	0	20	14	0	0	0
## 1719	20	0	20	17	0	0	0
## 1719.1	20	0	20	17	0	0	0
## 1720	20	0	20	17	0	0	0
## 1731	0	0	130	17	0	50	0
## 1742	0	0	40	17	0	0	0
## 1698	20	0	20	17	0	0	0
## 1749	0	0	14	17	0	100	0
## 1741	0	0	130	17	0	100	0
## 1768	0	0	30	17	0	0	0
## 1807	0	0	130	12	0	20	0
## 1771	0	0	20	17	0	20	0
## 1814	0	0	40	17	0	0	0
## 1830	0	0	40	17	0	0	0
## 1848	0	0	30	17	0	0	0
## 1853	0	0	40	17	0	0	0
## 1863	0	0	40	1	0	0	0
## 1862	0	0	20	17	0	0	0
## 1862.1	0	0	20	17	0	0	0
## 1867	0	0	20	17	0	0	0
## 1865	0	0	20	17	0	0	0
## 1862.2	0	0	20	17	0	0	0
## 1867.1	0	0	20	17	0	0	0
## 1868	0	0	20	17	0	0	0
## 1862.3	0	0	20	17	0	0	0
## 1867.2	0	0	20	17	0	0	0
## 1868.1	0	0	20	17	0	0	0
## 1872	0	0	20	17	0	0	0
## 1879	0	0	40	1	0	0	0
## 1911	0	0	20	17	0	0	0



## 1952	0	0	20	17	0	20	0
## 1954	0	0	14	16	0	20	0
## 1973	0	0	20	14	0	0	0
## 1989	0	0	40	13	0	0	0
## 1994	0	0	20	18	0	0	0
## 1996	0	0	20	18	0	0	0
## 1998	0	0	30	17	0	0	0
## 1998.1	0	0	30	17	0	0	0
## 1999	0	0	30	17	0	0	0
## 2001	0	0	110	18	0	0	0
## 2021	0	0	140	14	0	0	0
## 2015	0	0	110	14	0	0	0
## 2029	0	0	40	13	0	0	0
## 2034	0	0	40	1	0	0	0
## 2039	0	0	40	1	0	0	0
## 2045	0	0	40	17	0	0	0
## 2064	0	0	20	17	0	0	0
## 2062	0	0	40	16	0	0	0
## 2069	0	0	40	17	0	0	0
## 2064.1	0	0	20	17	0	0	0
## 2070	0	0	20	17	0	0	0
## 2101	0	30	130	12	0	20	0
## 2110	0	30	130	13	0	20	0
## 2113	0	30	40	13	0	20	0
## 2131	20	0	20	17	0	0	0
## 2131.1	20	0	20	17	0	0	0
## 2132	20	0	20	17	0	0	0
## 2135	0	0	14	16	0	0	0
## 2145	0	30	14	16	0	20	0
## 2153	0	30	14	17	0	20	0
## 2162	0	0	30	12	0	0	0
## 2162.1	0	0	30	12	0	0	0
## 2163	0	0	30	12	0	0	0
## 2168	0	0	30	18	0	0	0
## 2168.1	0	0	30	18	0	0	0
## 2169	0	0	30	18	0	0	0
## 2179	0	0	20	18	0	0	0
## 2178	0	0	20	18	0	0	0
## 2182	0	0	30	12	0	0	0
## 2162.2	0	0	30	12	0	0	0
## 2163.1	0	0	30	12	0	0	0
## 2164	0	0	30	12	0	0	0
## 2187	0	0	40	14	0	0	0
## 2162.3	0	0	30	12	0	0	0
## 2163.2	0	0	30	12	0	0	0
## 2164.1	0	0	30	12	0	0	0
## 2184	0	0	30	12	0	0	0
## 2174	0	0	140	18	0	0	0
## 2179.1	0	0	20	18	0	0	0
## 2180	0	0	20	18	0	0	0
## 2212	0	0	30	14	0	0	0
## 2229	0	0	140	18	0	0	0
## 2229.1	0	0	140	18	0	0	0
## 2230	0	0	140	18	0	0	0

## 2237	0	0	140	13	0	0	0
## 2247	0	0	14	16	0	0	0
## 2252	0	0	14	17	0	0	0
## 2275	0	0	20	17	0	0	0
## 2282	0	0	40	17	0	0	0
## 2273	0	0	40	17	0	0	0
## 2273.1	0	0	40	17	0	0	0
## 2285	0	0	40	17	0	0	0
## 2287	0	0	20	17	0	0	0
## 2292	0	0	40	17	0	0	0
## 2297	0	0	40	1	0	0	0
## 2300	0	0	40	1	0	0	0
## 2302	0	0	40	17	0	0	0
## 2308	0	0	40	17	0	0	0
## 2308.1	0	0	40	17	0	0	0
## 2309	0	0	40	17	0	0	0
## 2323	0	0	40	17	0	0	0
## 2339	30	70	40	1	0	0	0
## 2357	0	30	40	18	0	20	0
## 2360	0	30	20	16	0	20	0
## 2349	0	30	40	18	0	20	0
## 2367	20	0	14	16	0	40	0
## 2366	0	30	20	13	0	20	0
## 2380	0	30	20	17	0	20	0
## 2418	20	0	20	17	0	40	0
## 2433	20	0	20	17	0	40	0
## 2442	20	0	130	16	0	40	0
## 2450	0	0	20	17	0	50	0
## 2463	0	0	30	18	0	0	0
## 2480	0	0	110	14	0	0	0
## 2493	0	0	140	14	0	0	0
## 2504	0	0	140	13	0	0	0
## 2508	0	0	140	13	0	0	0
## 2512	0	0	20	14	0	0	0
## 2525	0	0	20	15	0	0	0
## 2533	0	0	40	17	0	0	0
## 2541	0	0	40	17	0	0	0
## 2548	0	0	40	17	0	0	0
## 2556	0	0	40	17	0	0	0
## 2568	0	0	40	18	0	0	0
## 2574	0	0	40	1	0	0	0
## 2573	0	0	160	17	0	0	0
## 2574.1	0	0	40	1	0	0	0
## 2575	0	0	40	1	0	0	0
## 2585	0	0	20	17	0	0	0
## 2574.2	0	0	40	1	0	0	0
## 2575.1	0	0	40	1	0	0	0
## 2579	0	0	40	1	0	0	0
## 2574.3	0	0	40	1	0	0	0
## 2575.2	0	0	40	1	0	0	0
## 2579.1	0	0	40	1	0	0	0
## 2591	0	0	40	1	0	0	0
## 2574.4	0	0	40	1	0	0	0
##	gphhws3a	gplhws3a	grghws3a	gumhws3a	gvrhws3a	inmsre3a	inssre3a

## 3	0	0	0	0	0	34 20.73390
## 3.1	0	0	0	0	0	34 20.73390
## 4	0	0	0	0	0	34 20.73390
## 2	0	0	0	0	0	33 20.78343
## 11	0	0	0	0	0	33 20.73904
## 11.1	0	0	0	0	0	33 20.73904
## 12	0	0	0	0	0	33 20.73904
## 11.2	0	0	0	0	0	33 20.73904
## 12.1	0	0	0	0	0	33 20.73904
## 13	0	0	0	0	0	33 20.73904
## 11.3	0	0	0	0	0	33 20.73904
## 12.2	0	0	0	0	0	33 20.73904
## 13.1	0	0	0	0	0	33 20.73904
## 14	0	0	0	0	0	33 20.73904
## 11.4	0	0	0	0	0	33 20.73904
## 12.3	0	0	0	0	0	33 20.73904
## 13.2	0	0	0	0	0	33 20.73904
## 14.1	0	0	0	0	0	33 20.73904
## 15	0	0	0	0	0	33 20.73904
## 17	0	0	0	0	0	33 20.78343
## 11.5	0	0	0	0	0	33 20.73904
## 12.4	0	0	0	0	0	33 20.73904
## 13.3	0	0	0	0	0	33 20.73904
## 14.2	0	0	0	0	0	33 20.73904
## 15.1	0	0	0	0	0	33 20.73904
## 16	0	0	0	0	0	33 20.73904
## 17.1	0	0	0	0	0	33 20.78343
## 18	0	0	0	0	0	33 20.78343
## 17.2	0	0	0	0	0	33 20.78343
## 18.1	0	0	0	0	0	33 20.78343
## 21	0	0	0	0	0	33 20.78343
## 17.3	0	0	0	0	0	33 20.78343
## 18.2	0	0	0	0	0	33 20.78343
## 21.1	0	0	0	0	0	33 20.78343
## 22	0	0	0	0	0	33 20.78343
## 17.4	0	0	0	0	0	33 20.78343
## 18.3	0	0	0	0	0	33 20.78343
## 21.2	0	0	0	0	0	33 20.78343
## 22.1	0	0	0	0	0	33 20.78343
## 23	0	0	0	0	0	33 20.78343
## 17.5	0	0	0	0	0	33 20.78343
## 18.4	0	0	0	0	0	33 20.78343
## 21.3	0	0	0	0	0	33 20.78343
## 22.2	0	0	0	0	0	33 20.78343
## 23.1	0	0	0	0	0	33 20.78343
## 24	0	0	0	0	0	33 20.78343
## 17.6	0	0	0	0	0	33 20.78343
## 18.5	0	0	0	0	0	33 20.78343
## 21.4	0	0	0	0	0	33 20.78343
## 22.3	0	0	0	0	0	33 20.78343
## 23.2	0	0	0	0	0	33 20.78343
## 24.1	0	0	0	0	0	33 20.78343
## 25	0	0	0	0	0	33 20.78343
## 17.7	0	0	0	0	0	33 20.78343

## 18.6	0	0	0	0	0	33 20.78343
## 21.5	0	0	0	0	0	33 20.78343
## 22.4	0	0	0	0	0	33 20.78343
## 23.3	0	0	0	0	0	33 20.78343
## 24.2	0	0	0	0	0	33 20.78343
## 25.1	0	0	0	0	0	33 20.78343
## 26	0	0	0	0	0	33 20.78343
## 17.8	0	0	0	0	0	33 20.78343
## 18.7	0	0	0	0	0	33 20.78343
## 21.6	0	0	0	0	0	33 20.78343
## 22.5	0	0	0	0	0	33 20.78343
## 23.4	0	0	0	0	0	33 20.78343
## 24.3	0	0	0	0	0	33 20.78343
## 25.2	0	0	0	0	0	33 20.78343
## 26.1	0	0	0	0	0	33 20.78343
## 27	0	0	0	0	0	33 20.78343
## 17.9	0	0	0	0	0	33 20.78343
## 18.8	0	0	0	0	0	33 20.78343
## 21.7	0	0	0	0	0	33 20.78343
## 22.6	0	0	0	0	0	33 20.78343
## 23.5	0	0	0	0	0	33 20.78343
## 24.4	0	0	0	0	0	33 20.78343
## 25.3	0	0	0	0	0	33 20.78343
## 26.2	0	0	0	0	0	33 20.78343
## 27.1	0	0	0	0	0	33 20.78343
## 28	0	0	0	0	0	33 20.78343
## 17.10	0	0	0	0	0	33 20.78343
## 18.9	0	0	0	0	0	33 20.78343
## 21.8	0	0	0	0	0	33 20.78343
## 22.7	0	0	0	0	0	33 20.78343
## 23.6	0	0	0	0	0	33 20.78343
## 24.5	0	0	0	0	0	33 20.78343
## 25.4	0	0	0	0	0	33 20.78343
## 26.3	0	0	0	0	0	33 20.78343
## 27.2	0	0	0	0	0	33 20.78343
## 28.1	0	0	0	0	0	33 20.78343
## 29	0	0	0	0	0	33 20.78343
## 17.11	0	0	0	0	0	33 20.78343
## 18.10	0	0	0	0	0	33 20.78343
## 21.9	0	0	0	0	0	33 20.78343
## 22.8	0	0	0	0	0	33 20.78343
## 23.7	0	0	0	0	0	33 20.78343
## 24.6	0	0	0	0	0	33 20.78343
## 25.5	0	0	0	0	0	33 20.78343
## 26.4	0	0	0	0	0	33 20.78343
## 27.3	0	0	0	0	0	33 20.78343
## 28.2	0	0	0	0	0	33 20.78343
## 29.1	0	0	0	0	0	33 20.78343
## 30	0	0	0	0	0	33 20.78343
## 17.12	0	0	0	0	0	33 20.78343
## 18.11	0	0	0	0	0	33 20.78343
## 21.10	0	0	0	0	0	33 20.78343
## 22.9	0	0	0	0	0	33 20.78343
## 23.8	0	0	0	0	0	33 20.78343

## 24.7	0	0	0	0	0	33 20.78343
## 25.6	0	0	0	0	0	33 20.78343
## 26.5	0	0	0	0	0	33 20.78343
## 27.4	0	0	0	0	0	33 20.78343
## 28.3	0	0	0	0	0	33 20.78343
## 29.2	0	0	0	0	0	33 20.78343
## 30.1	0	0	0	0	0	33 20.78343
## 31	0	0	0	0	0	33 20.78343
## 17.13	0	0	0	0	0	33 20.78343
## 18.12	0	0	0	0	0	33 20.78343
## 21.11	0	0	0	0	0	33 20.78343
## 22.10	0	0	0	0	0	33 20.78343
## 23.9	0	0	0	0	0	33 20.78343
## 24.8	0	0	0	0	0	33 20.78343
## 25.7	0	0	0	0	0	33 20.78343
## 26.6	0	0	0	0	0	33 20.78343
## 27.5	0	0	0	0	0	33 20.78343
## 28.4	0	0	0	0	0	33 20.78343
## 29.3	0	0	0	0	0	33 20.78343
## 30.2	0	0	0	0	0	33 20.78343
## 31.1	0	0	0	0	0	33 20.78343
## 32	0	0	0	0	0	33 20.78343
## 17.14	0	0	0	0	0	33 20.78343
## 18.13	0	0	0	0	0	33 20.78343
## 21.12	0	0	0	0	0	33 20.78343
## 22.11	0	0	0	0	0	33 20.78343
## 23.10	0	0	0	0	0	33 20.78343
## 24.9	0	0	0	0	0	33 20.78343
## 25.8	0	0	0	0	0	33 20.78343
## 26.7	0	0	0	0	0	33 20.78343
## 27.6	0	0	0	0	0	33 20.78343
## 28.5	0	0	0	0	0	33 20.78343
## 29.4	0	0	0	0	0	33 20.78343
## 30.3	0	0	0	0	0	33 20.78343
## 31.2	0	0	0	0	0	33 20.78343
## 32.1	0	0	0	0	0	33 20.78343
## 33	0	0	0	0	0	33 20.78343
## 17.15	0	0	0	0	0	33 20.78343
## 18.14	0	0	0	0	0	33 20.78343
## 21.13	0	0	0	0	0	33 20.78343
## 22.12	0	0	0	0	0	33 20.78343
## 23.11	0	0	0	0	0	33 20.78343
## 24.10	0	0	0	0	0	33 20.78343
## 25.9	0	0	0	0	0	33 20.78343
## 26.8	0	0	0	0	0	33 20.78343
## 27.7	0	0	0	0	0	33 20.78343
## 28.6	0	0	0	0	0	33 20.78343
## 29.5	0	0	0	0	0	33 20.78343
## 30.4	0	0	0	0	0	33 20.78343
## 31.3	0	0	0	0	0	33 20.78343
## 32.2	0	0	0	0	0	33 20.78343
## 33.1	0	0	0	0	0	33 20.78343
## 34	0	0	0	0	0	33 20.78343
## 17.16	0	0	0	0	0	33 20.78343

## 18.15	0	0	0	0	0	33 20.78343
## 21.14	0	0	0	0	0	33 20.78343
## 22.13	0	0	0	0	0	33 20.78343
## 23.12	0	0	0	0	0	33 20.78343
## 24.11	0	0	0	0	0	33 20.78343
## 25.10	0	0	0	0	0	33 20.78343
## 26.9	0	0	0	0	0	33 20.78343
## 27.8	0	0	0	0	0	33 20.78343
## 28.7	0	0	0	0	0	33 20.78343
## 29.6	0	0	0	0	0	33 20.78343
## 30.5	0	0	0	0	0	33 20.78343
## 31.4	0	0	0	0	0	33 20.78343
## 32.3	0	0	0	0	0	33 20.78343
## 33.2	0	0	0	0	0	33 20.78343
## 34.1	0	0	0	0	0	33 20.78343
## 35	0	0	0	0	0	33 20.78343
## 17.17	0	0	0	0	0	33 20.78343
## 18.16	0	0	0	0	0	33 20.78343
## 21.15	0	0	0	0	0	33 20.78343
## 22.14	0	0	0	0	0	33 20.78343
## 23.13	0	0	0	0	0	33 20.78343
## 24.12	0	0	0	0	0	33 20.78343
## 25.11	0	0	0	0	0	33 20.78343
## 26.10	0	0	0	0	0	33 20.78343
## 27.9	0	0	0	0	0	33 20.78343
## 28.8	0	0	0	0	0	33 20.78343
## 29.7	0	0	0	0	0	33 20.78343
## 30.6	0	0	0	0	0	33 20.78343
## 31.5	0	0	0	0	0	33 20.78343
## 32.4	0	0	0	0	0	33 20.78343
## 33.3	0	0	0	0	0	33 20.78343
## 34.2	0	0	0	0	0	33 20.78343
## 35.1	0	0	0	0	0	33 20.78343
## 36	0	0	0	0	0	33 20.78343
## 17.18	0	0	0	0	0	33 20.78343
## 18.17	0	0	0	0	0	33 20.78343
## 21.16	0	0	0	0	0	33 20.78343
## 22.15	0	0	0	0	0	33 20.78343
## 23.14	0	0	0	0	0	33 20.78343
## 24.13	0	0	0	0	0	33 20.78343
## 25.12	0	0	0	0	0	33 20.78343
## 26.11	0	0	0	0	0	33 20.78343
## 27.10	0	0	0	0	0	33 20.78343
## 28.9	0	0	0	0	0	33 20.78343
## 29.8	0	0	0	0	0	33 20.78343
## 30.7	0	0	0	0	0	33 20.78343
## 31.6	0	0	0	0	0	33 20.78343
## 32.5	0	0	0	0	0	33 20.78343
## 33.4	0	0	0	0	0	33 20.78343
## 34.3	0	0	0	0	0	33 20.78343
## 35.2	0	0	0	0	0	33 20.78343
## 36.1	0	0	0	0	0	33 20.78343
## 37	0	0	0	0	0	33 20.78343
## 17.19	0	0	0	0	0	33 20.78343

## 18.18	0	0	0	0	0	33 20.78343
## 21.17	0	0	0	0	0	33 20.78343
## 22.16	0	0	0	0	0	33 20.78343
## 23.15	0	0	0	0	0	33 20.78343
## 24.14	0	0	0	0	0	33 20.78343
## 25.13	0	0	0	0	0	33 20.78343
## 26.12	0	0	0	0	0	33 20.78343
## 27.11	0	0	0	0	0	33 20.78343
## 28.10	0	0	0	0	0	33 20.78343
## 29.9	0	0	0	0	0	33 20.78343
## 30.8	0	0	0	0	0	33 20.78343
## 31.7	0	0	0	0	0	33 20.78343
## 32.6	0	0	0	0	0	33 20.78343
## 33.5	0	0	0	0	0	33 20.78343
## 34.4	0	0	0	0	0	33 20.78343
## 35.3	0	0	0	0	0	33 20.78343
## 36.2	0	0	0	0	0	33 20.78343
## 37.1	0	0	0	0	0	33 20.78343
## 38	0	0	0	0	0	33 20.78343
## 17.20	0	0	0	0	0	33 20.78343
## 18.19	0	0	0	0	0	33 20.78343
## 21.18	0	0	0	0	0	33 20.78343
## 22.17	0	0	0	0	0	33 20.78343
## 23.16	0	0	0	0	0	33 20.78343
## 24.15	0	0	0	0	0	33 20.78343
## 25.14	0	0	0	0	0	33 20.78343
## 26.13	0	0	0	0	0	33 20.78343
## 27.12	0	0	0	0	0	33 20.78343
## 28.11	0	0	0	0	0	33 20.78343
## 29.10	0	0	0	0	0	33 20.78343
## 30.9	0	0	0	0	0	33 20.78343
## 31.8	0	0	0	0	0	33 20.78343
## 32.7	0	0	0	0	0	33 20.78343
## 33.6	0	0	0	0	0	33 20.78343
## 34.5	0	0	0	0	0	33 20.78343
## 35.4	0	0	0	0	0	33 20.78343
## 36.3	0	0	0	0	0	33 20.78343
## 37.2	0	0	0	0	0	33 20.78343
## 38.1	0	0	0	0	0	33 20.78343
## 39	0	0	0	0	0	33 20.78343
## 17.21	0	0	0	0	0	33 20.78343
## 18.20	0	0	0	0	0	33 20.78343
## 21.19	0	0	0	0	0	33 20.78343
## 22.18	0	0	0	0	0	33 20.78343
## 23.17	0	0	0	0	0	33 20.78343
## 24.16	0	0	0	0	0	33 20.78343
## 25.15	0	0	0	0	0	33 20.78343
## 26.14	0	0	0	0	0	33 20.78343
## 27.13	0	0	0	0	0	33 20.78343
## 28.12	0	0	0	0	0	33 20.78343
## 29.11	0	0	0	0	0	33 20.78343
## 30.10	0	0	0	0	0	33 20.78343
## 31.9	0	0	0	0	0	33 20.78343
## 32.8	0	0	0	0	0	33 20.78343

## 33.7	0	0	0	0	0	33 20.78343
## 34.6	0	0	0	0	0	33 20.78343
## 35.5	0	0	0	0	0	33 20.78343
## 36.4	0	0	0	0	0	33 20.78343
## 37.3	0	0	0	0	0	33 20.78343
## 38.2	0	0	0	0	0	33 20.78343
## 39.1	0	0	0	0	0	33 20.78343
## 41	0	0	0	0	0	33 20.78343
## 10	0	0	0	0	0	33 20.69725
## 50	0	0	0	0	0	33 20.94777
## 51	0	0	0	0	0	33 20.99442
## 58	0	0	0	0	0	34 20.68775
## 44	0	0	0	0	0	34 20.64686
## 49	0	0	0	0	0	33 20.72341
## 9	0	0	0	0	0	34 20.64686
## 58.1	0	0	0	0	0	34 20.68775
## 59	0	0	0	0	0	34 20.68775
## 74	0	0	0	0	0	34 20.64733
## 76	0	0	0	0	0	34 20.64686
## 88	0	0	0	0	0	32 20.93329
## 83	0	0	0	0	0	33 20.85552
## 89	0	0	0	0	0	34 20.61901
## 79	0	0	0	0	0	34 20.63551
## 76.1	0	0	0	0	0	34 20.64686
## 77	0	0	0	0	0	34 20.64686
## 73	0	0	0	0	0	34 20.70670
## 72	0	0	0	0	0	34 20.74036
## 71	0	0	0	0	0	33 20.70040
## 96	0	0	0	0	0	33 20.74101
## 74.1	0	0	0	0	0	34 20.64733
## 75	0	0	0	0	0	34 20.64733
## 104	0	0	0	0	0	34 20.67318
## 119	0	0	0	0	0	33 20.68053
## 129	0	0	0	40	0	54 24.29354
## 128	0	0	0	0	0	41 24.90626
## 122	0	0	0	0	0	43 24.64302
## 142	0	0	0	0	0	32 21.05911
## 150	0	0	0	0	0	34 20.85221
## 121	0	0	0	0	0	34 20.64686
## 167	0	0	0	0	0	34 20.62566
## 121.1	0	0	0	0	0	34 20.64686
## 154	0	0	0	0	0	34 20.64686
## 142.1	0	0	0	0	0	32 21.05911
## 146	0	0	0	0	0	32 21.05911
## 119.1	0	0	0	0	0	33 20.68053
## 120	0	0	0	0	0	33 20.68053
## 177	0	0	0	0	0	33 20.79888
## 174	0	0	0	0	0	32 20.86210
## 175	30	0	0	0	0	34 20.84542
## 176	0	0	0	0	0	33 20.83643
## 135	0	0	0	0	0	34 21.63091
## 169	0	0	0	0	0	33 20.93771
## 196	30	0	0	0	0	33 20.96542
## 196.1	30	0	0	0	0	33 20.96542



## 197	30	0	0	0	0	33 20.96542
## 196.2	30	0	0	0	0	33 20.96542
## 197.1	30	0	0	0	0	33 20.96542
## 198	30	0	0	0	0	33 20.96542
## 196.3	30	0	0	0	0	33 20.96542
## 197.2	30	0	0	0	0	33 20.96542
## 198.1	30	0	0	0	0	33 20.96542
## 199	30	0	0	0	0	33 20.96542
## 196.4	30	0	0	0	0	33 20.96542
## 197.3	30	0	0	0	0	33 20.96542
## 198.2	30	0	0	0	0	33 20.96542
## 199.1	30	0	0	0	0	33 20.96542
## 200	30	0	0	0	0	33 20.96542
## 195	30	0	0	0	0	33 20.93415
## 206	0	0	0	60	0	36 26.46374
## 208	0	0	0	0	0	41 25.91345
## 213	0	0	0	60	0	38 25.39052
## 213.1	0	0	0	60	0	38 25.39052
## 214	0	0	0	60	0	38 25.39052
## 213.2	0	0	0	60	0	38 25.39052
## 214.1	0	0	0	60	0	38 25.39052
## 215	0	0	0	60	0	38 25.39052
## 217	0	0	0	60	0	38 26.11256
## 217.1	0	0	0	60	0	38 26.11256
## 218	0	0	0	60	0	38 26.11256
## 231	0	0	0	40	0	44 25.00714
## 242	0	0	0	0	0	43 26.01175
## 250	0	0	0	0	0	43 24.92197
## 223	0	0	0	40	0	45 25.22046
## 238	30	0	0	0	0	34 20.63836
## 246	0	0	0	40	0	40 25.10802
## 246.1	0	0	0	40	0	40 25.10802
## 260	0	0	0	40	0	40 25.10802
## 282	0	0	0	0	0	42 25.38341
## 284	0	0	0	0	0	34 20.63519
## 196.5	30	0	0	0	0	33 20.96542
## 197.4	30	0	0	0	0	33 20.96542
## 198.3	30	0	0	0	0	33 20.96542
## 199.2	30	0	0	0	0	33 20.96542
## 200.1	30	0	0	0	0	33 20.96542
## 201	30	0	0	0	0	33 20.96542
## 195.1	30	0	0	0	0	33 20.93415
## 202	30	0	0	0	0	33 20.93415
## 238.1	30	0	0	0	0	34 20.63836
## 254	30	0	0	0	0	34 20.63836
## 296	30	0	0	0	0	34 20.54445
## 237	30	0	0	0	0	34 20.69402
## 296.1	30	0	0	0	0	34 20.54445
## 297	30	0	0	0	0	34 20.54445
## 275	0	0	0	40	0	48 24.70629
## 296.2	30	0	0	0	0	34 20.54445
## 297.1	30	0	0	0	0	34 20.54445
## 299	30	0	0	0	0	34 20.54445
## 237.1	30	0	0	0	0	34 20.69402

## 298	30	0	0	0	0	34 20.69402
## 292	30	0	0	0	0	34 20.58668
## 195.2	30	0	0	0	0	33 20.93415
## 202.1	30	0	0	0	0	33 20.93415
## 293	30	0	0	0	0	33 20.93415
## 317	0	0	0	0	0	33 20.85552
## 316	0	0	0	0	0	33 20.63528
## 322	0	0	0	40	0	36 22.13634
## 324	0	0	0	60	0	41 21.72814
## 329	50	0	20	0	0	45 21.80166
## 337	50	0	20	0	0	42 24.31897
## 355	50	0	20	0	0	41 24.31702
## 322.1	0	0	0	40	0	36 22.13634
## 323	0	0	0	40	0	36 22.13634
## 320	0	0	0	0	0	35 20.63579
## 317.1	0	0	0	0	0	33 20.85552
## 318	0	0	0	0	0	33 20.85552
## 319	30	0	0	0	0	33 21.00204
## 317.2	0	0	0	0	0	33 20.85552
## 318.1	0	0	0	0	0	33 20.85552
## 375	0	0	0	0	0	33 20.85552
## 393	30	0	70	0	0	42 21.09665
## 316.1	0	0	0	0	0	33 20.63528
## 321	0	0	0	0	0	33 20.63528
## 381	0	0	0	0	0	34 20.79967
## 399	0	0	0	0	0	34 20.63836
## 399.1	0	0	0	0	0	34 20.63836
## 400	0	0	0	0	0	34 20.63836
## 402	0	0	0	60	0	40 23.78229
## 408	30	0	70	0	0	37 22.87924
## 408.1	30	0	70	0	0	37 22.87924
## 409	30	0	70	0	0	37 22.87924
## 417	30	0	70	0	0	35 23.26413
## 411	30	0	70	0	0	35 23.64098
## 408.2	30	0	70	0	0	37 22.87924
## 409.1	30	0	70	0	0	37 22.87924
## 410	30	0	70	0	0	37 22.87924
## 431	30	0	70	0	0	33 24.79882
## 435	30	0	70	0	0	37 23.63474
## 433	30	0	70	0	0	33 24.24876
## 427	50	0	20	0	0	38 25.08037
## 447	0	0	0	60	0	39 22.45428
## 449	0	0	0	60	0	43 20.32766
## 465	30	0	70	0	0	41 23.01027
## 470	0	0	0	60	0	46 22.96825
## 460	30	0	70	0	0	37 22.01168
## 479	30	0	70	0	0	37 22.57418
## 402.1	0	0	0	60	0	40 23.78229
## 403	0	0	0	60	0	40 23.78229
## 502	50	0	20	0	0	36 24.46135
## 502.1	50	0	20	0	0	36 24.46135
## 503	50	0	20	0	0	36 24.46135
## 497	0	0	0	0	0	34 20.71342
## 514	30	0	70	0	0	37 23.06989

## 507	0	0	0	0	0	35 20.40800
## 399.2	0	0	0	0	0	34 20.63836
## 400.1	0	0	0	0	0	34 20.63836
## 401	0	0	0	0	0	34 20.63836
## 497.1	0	0	0	0	0	34 20.71342
## 508	0	0	0	0	0	34 20.71342
## 495	0	0	0	0	0	37 20.12123
## 572	0	0	0	20	0	36 21.12150
## 574	0	0	0	20	0	35 21.73953
## 574.1	0	0	0	20	0	35 21.73953
## 575	0	0	0	20	0	35 21.73953
## 579	0	0	0	20	0	33 21.22803
## 579.1	0	0	0	20	0	33 21.22803
## 582	0	0	0	20	0	33 21.22803
## 586	0	0	0	20	0	37 21.09539
## 572.1	0	0	0	20	0	36 21.12150
## 573	0	0	0	20	0	36 21.12150
## 599	0	0	0	0	0	34 20.86368
## 612	50	0	20	0	0	42 24.02444
## 617	0	0	0	0	0	34 20.97254
## 616	50	0	20	0	0	37 21.41371
## 641	50	0	20	0	0	37 24.69746
## 662	50	0	20	0	0	39 21.32333
## 668	0	0	0	0	0	39 20.76236
## 678	0	0	0	0	0	34 21.12919
## 677	30	0	0	0	0	34 20.73390
## 647	30	0	0	0	0	34 20.73390
## 700	0	0	0	0	0	33 20.73904
## 704	0	0	0	0	0	36 21.36859
## 709	0	0	0	0	0	34 21.09423
## 732	0	0	0	0	0	35 21.05633
## 806	0	0	0	0	0	34 21.40099
## 700.1	0	0	0	0	0	33 20.73904
## 701	0	0	0	0	0	33 20.73904
## 851	0	0	0	0	0	37 26.69194
## 859	0	0	0	0	0	34 20.74921
## 887	0	0	0	0	0	38 20.55101
## 894	0	0	0	0	0	34 22.13010
## 896	0	0	0	0	0	30 22.00336
## 899	0	0	0	0	0	35 21.03827
## 901	0	0	0	0	0	35 21.05633
## 910	0	0	0	0	0	37 20.74004
## 894.1	0	0	0	0	0	34 22.13010
## 900	0	0	0	0	0	34 22.13010
## 917	0	0	0	0	0	34 21.05318
## 926	0	0	0	0	0	35 20.98056
## 892	0	0	0	0	0	34 21.11626
## 945	0	0	0	0	0	35 21.19084
## 937	0	0	0	0	0	34 21.32161
## 908	0	0	0	0	0	35 21.09897
## 958	0	0	0	0	0	34 21.06266
## 971	0	0	0	0	0	34 20.93012
## 985	0	0	0	0	0	35 23.09196
## 1019	0	0	20	0	0	38 25.56404

## 1039	0	0	0	0	0	40 21.96041
## 1017	0	0	20	0	0	46 23.44241
## 1097	0	0	0	0	0	34 21.36594
## 1135	0	0	0	0	0	35 21.49266
## 1135.1	0	0	0	0	0	35 21.49266
## 1136	0	0	0	0	0	35 21.49266
## 1139	0	0	0	0	0	39 22.83904
## 1139.1	0	0	0	0	0	39 22.83904
## 1140	0	0	0	0	0	39 22.83904
## 1145	0	0	0	0	0	36 21.18267
## 1143	0	0	0	0	0	34 21.55842
## 1145.1	0	0	0	0	0	36 21.18267
## 1146	0	0	0	0	0	36 21.18267
## 1138	0	0	0	0	0	37 20.94281
## 1167	0	0	0	0	0	41 20.80479
## 1173	0	0	0	0	0	34 22.32905
## 1175	0	0	0	0	0	35 21.16959
## 1178	0	0	0	0	0	35 21.28008
## 1217	0	0	0	0	0	31 21.08235
## 1211	0	0	0	0	0	35 20.75395
## 1131	0	0	20	0	0	42 23.65786
## 1250	0	0	0	0	0	33 20.78702
## 1253	0	0	0	0	0	33 20.78870
## 1268	0	0	20	0	0	39 23.63642
## 1248	30	0	0	0	0	34 20.83377
## 1249	0	0	0	0	0	34 20.91435
## 1216	0	0	0	0	0	33 20.98159
## 1216.1	0	0	0	0	0	33 20.98159
## 1280	0	0	0	0	0	33 20.98159
## 1266	0	0	20	0	0	40 24.34258
## 1293	0	0	0	0	0	38 21.53355
## 1295	0	0	0	0	0	36 23.21698
## 1295.1	0	0	0	0	0	36 23.21698
## 1296	0	0	0	0	0	36 23.21698
## 1305	0	0	0	0	0	35 22.11522
## 1308	0	0	0	0	0	37 23.47589
## 1308.1	0	0	0	0	0	37 23.47589
## 1309	0	0	0	0	0	37 23.47589
## 1311	0	0	0	0	0	36 23.53777
## 1315	0	0	0	0	0	43 21.54317
## 1315.1	0	0	0	0	0	43 21.54317
## 1316	0	0	0	0	0	43 21.54317
## 1318	0	0	0	0	0	35 21.84816
## 1320	0	0	0	0	0	35 21.77051
## 1315.2	0	0	0	0	0	43 21.54317
## 1316.1	0	0	0	0	0	43 21.54317
## 1317	0	0	0	0	0	43 21.54317
## 1327	0	0	0	0	0	39 22.26601
## 1341	0	0	0	0	0	35 21.74297
## 1345	0	0	0	0	0	36 21.52355
## 1350	0	0	0	0	0	31 22.19910
## 1408	50	0	20	0	0	42 23.42580
## 1438	0	0	0	0	0	32 20.99551
## 1443	0	0	0	0	0	33 20.89976

## 1443.1	0	0	0	0	0	33 20.89976
## 1444	0	0	0	0	0	33 20.89976
## 1290	0	0	0	0	0	34 20.94841
## 1465	0	0	0	0	0	35 20.71082
## 1474	50	0	20	0	0	41 23.29518
## 1474.1	50	0	20	0	0	41 23.29518
## 1475	50	0	20	0	0	41 23.29518
## 1485	50	0	20	0	0	41 26.03502
## 1503	0	0	0	0	0	34 20.92530
## 1506	30	0	0	0	0	34 20.90893
## 1509	50	0	20	0	0	45 24.22844
## 1533	0	0	0	0	0	35 21.64734
## 1533.1	0	0	0	0	0	35 21.64734
## 1534	0	0	0	0	0	35 21.64734
## 1533.2	0	0	0	0	0	35 21.64734
## 1534.1	0	0	0	0	0	35 21.64734
## 1537	0	0	0	0	0	35 21.64734
## 1533.3	0	0	0	0	0	35 21.64734
## 1534.2	0	0	0	0	0	35 21.64734
## 1537.1	0	0	0	0	0	35 21.64734
## 1539	0	0	0	0	0	35 21.64734
## 1545	0	0	0	0	0	33 21.87337
## 1545.1	0	0	0	0	0	33 21.87337
## 1546	0	0	0	0	0	33 21.87337
## 1548	0	0	0	0	0	33 21.87337
## 1552	0	0	0	0	0	35 22.54331
## 1552.1	0	0	0	0	0	35 22.54331
## 1557	0	0	0	0	0	35 22.54331
## 1571	0	0	0	0	0	34 21.01679
## 1580	0	0	0	60	0	34 24.63883
## 1570	0	0	0	0	0	34 21.01822
## 1584	0	0	0	60	0	46 21.86979
## 1584.1	0	0	0	60	0	46 21.86979
## 1606	0	0	0	60	0	46 21.86979
## 1609	0	0	0	0	0	34 21.10721
## 1612	0	0	0	0	0	37 23.25067
## 1624	0	0	0	20	0	41 21.84302
## 1629	0	0	0	20	0	36 22.85667
## 1631	0	0	0	20	0	34 23.22427
## 1642	0	0	0	0	0	34 20.95689
## 1663	0	0	0	0	0	34 20.95689
## 1702	50	0	20	0	0	41 24.98347
## 1700	50	0	20	0	0	39 24.62817
## 1719	0	0	0	0	0	34 20.95689
## 1719.1	0	0	0	0	0	34 20.95689
## 1720	0	0	0	0	0	34 20.95689
## 1731	30	0	0	0	0	32 21.32307
## 1742	70	0	0	0	0	32 21.13871
## 1698	0	0	0	0	0	34 20.88370
## 1749	0	0	0	0	0	34 20.77684
## 1741	0	0	0	0	0	34 20.73714
## 1768	50	0	20	0	0	39 24.35838
## 1807	0	0	0	0	0	33 20.97407
## 1771	0	0	0	0	0	34 20.85520

## 1814	0	0	0	0	0	36 21.65437
## 1830	0	0	0	0	0	36 24.03369
## 1848	0	0	0	0	0	37 20.96826
## 1853	0	0	0	20	0	37 23.25726
## 1863	0	0	0	20	0	38 23.17208
## 1862	0	0	0	20	0	39 22.93095
## 1862.1	0	0	0	20	0	39 22.93095
## 1867	0	0	0	20	0	39 22.93095
## 1865	0	0	0	20	0	37 23.22431
## 1862.2	0	0	0	20	0	39 22.93095
## 1867.1	0	0	0	20	0	39 22.93095
## 1868	0	0	0	20	0	39 22.93095
## 1862.3	0	0	0	20	0	39 22.93095
## 1867.2	0	0	0	20	0	39 22.93095
## 1868.1	0	0	0	20	0	39 22.93095
## 1872	0	0	0	20	0	39 22.93095
## 1879	0	0	0	0	0	34 21.40420
## 1911	70	0	0	0	0	34 20.85629
## 1952	0	0	0	0	0	33 20.68053
## 1954	0	0	0	0	0	32 21.06534
## 1973	0	0	0	0	0	46 25.12223
## 1989	0	0	0	0	0	34 21.83484
## 1994	0	0	0	0	0	39 24.31286
## 1996	0	0	0	0	0	39 24.54867
## 1998	0	0	0	0	0	40 25.52578
## 1998.1	0	0	0	0	0	40 25.52578
## 1999	0	0	0	0	0	40 25.52578
## 2001	0	0	0	0	0	38 24.32962
## 2021	0	0	20	0	0	46 24.37534
## 2015	0	0	20	0	0	46 24.24697
## 2029	0	0	0	0	0	39 21.15329
## 2034	0	0	0	0	0	33 21.56505
## 2039	0	0	0	20	0	43 22.29689
## 2045	0	0	0	20	0	41 22.97681
## 2064	0	0	0	0	0	39 21.35249
## 2062	0	0	0	0	0	38 21.80166
## 2069	0	0	0	0	0	36 21.88555
## 2064.1	0	0	0	0	0	39 21.35249
## 2070	0	0	0	0	0	39 21.35249
## 2101	0	0	0	0	0	32 20.98984
## 2110	0	0	0	0	0	34 20.71254
## 2113	0	0	0	0	0	32 20.86277
## 2131	0	0	0	0	0	34 20.76350
## 2131.1	0	0	0	0	0	34 20.76350
## 2132	0	0	0	0	0	34 20.76350
## 2135	0	0	0	0	0	34 21.03617
## 2145	0	0	0	0	0	34 20.60082
## 2153	0	0	0	0	0	34 20.79567
## 2162	0	0	20	0	0	42 24.82216
## 2162.1	0	0	20	0	0	42 24.82216
## 2163	0	0	20	0	0	42 24.82216
## 2168	0	0	20	0	0	42 24.48607
## 2168.1	0	0	20	0	0	42 24.48607
## 2169	0	0	20	0	0	42 24.48607

## 2179	0	0	20	0	0	43 25.05597
## 2178	0	0	20	0	0	40 25.05997
## 2182	0	0	20	0	0	39 25.67011
## 2162.2	0	0	20	0	0	42 24.82216
## 2163.1	0	0	20	0	0	42 24.82216
## 2164	0	0	20	0	0	42 24.82216
## 2187	0	0	20	0	0	40 24.26816
## 2162.3	0	0	20	0	0	42 24.82216
## 2163.2	0	0	20	0	0	42 24.82216
## 2164.1	0	0	20	0	0	42 24.82216
## 2184	0	0	20	0	0	42 24.82216
## 2174	0	0	20	0	0	43 23.57020
## 2179.1	0	0	20	0	0	43 25.05597
## 2180	0	0	20	0	0	43 25.05597
## 2212	0	0	20	0	0	43 24.26361
## 2229	0	0	20	0	0	41 26.26371
## 2229.1	0	0	20	0	0	41 26.26371
## 2230	0	0	20	0	0	41 26.26371
## 2237	0	0	20	0	0	43 24.51522
## 2247	0	0	0	0	0	35 21.16753
## 2252	0	0	0	0	0	36 21.16392
## 2275	0	0	0	0	0	37 21.91185
## 2282	0	0	0	0	0	36 21.52065
## 2273	0	0	0	0	0	36 21.49859
## 2273.1	0	0	0	0	0	36 21.49859
## 2285	0	0	0	0	0	36 21.49859
## 2287	0	0	0	0	0	33 21.82513
## 2292	0	0	0	0	0	36 21.66928
## 2297	0	0	0	0	0	39 21.26195
## 2300	0	0	0	0	0	38 21.47858
## 2302	0	0	0	0	0	35 21.44783
## 2308	0	0	0	0	0	34 21.39847
## 2308.1	0	0	0	0	0	34 21.39847
## 2309	0	0	0	0	0	34 21.39847
## 2323	0	0	0	0	0	34 21.11594
## 2339	0	0	0	0	0	34 21.03683
## 2357	0	0	0	0	0	34 20.94502
## 2360	0	0	0	0	0	33 20.99271
## 2349	0	0	0	0	0	34 20.86490
## 2367	0	0	0	0	0	34 20.80094
## 2366	0	0	0	0	0	33 20.85552
## 2380	0	0	0	0	0	33 20.74137
## 2418	0	0	0	0	0	33 20.74101
## 2433	0	0	0	0	0	34 20.70670
## 2442	0	0	0	0	0	34 20.70670
## 2450	30	0	0	0	0	34 20.67314
## 2463	50	0	20	0	0	43 25.12396
## 2480	0	0	20	0	0	42 24.59956
## 2493	0	0	20	0	0	42 25.01532
## 2504	50	0	20	0	0	42 24.51904
## 2508	0	0	20	0	0	42 24.58849
## 2512	0	0	20	0	0	42 24.38279
## 2525	0	0	0	0	0	36 21.01705
## 2533	0	0	0	0	0	35 21.09897

## 2541	0	0	0	0	0	35	21.25968
## 2548	0	0	0	0	0	36	21.17883
## 2556	0	0	0	0	0	34	21.57792
## 2568	0	0	0	0	0	35	21.31096
## 2574	0	0	0	0	0	35	20.92515
## 2573	0	0	0	0	0	34	21.13474
## 2574.1	0	0	0	0	0	35	20.92515
## 2575	0	0	0	0	0	35	20.92515
## 2585	0	0	0	0	0	34	21.10780
## 2574.2	0	0	0	0	0	35	20.92515
## 2575.1	0	0	0	0	0	35	20.92515
## 2579	0	0	0	0	0	35	20.92515
## 2574.3	0	0	0	0	0	35	20.92515
## 2575.2	0	0	0	0	0	35	20.92515
## 2579.1	0	0	0	0	0	35	20.92515
## 2591	0	0	0	0	0	35	20.92515
## 2574.4	0	0	0	0	0	35	20.92515
##	102igb3a	104igb3a	105igb3a	106igb3a	107igb3a	108igb3a	109igb3a
## 3	20	0	0	0	0	0	0
## 3.1	20	0	0	0	0	0	0
## 4	20	0	0	0	0	0	0
## 2	20	0	0	0	0	0	0
## 11	100	0	0	0	0	0	0
## 11.1	100	0	0	0	0	0	0
## 12	100	0	0	0	0	0	0
## 11.2	100	0	0	0	0	0	0
## 12.1	100	0	0	0	0	0	0
## 13	100	0	0	0	0	0	0
## 11.3	100	0	0	0	0	0	0
## 12.2	100	0	0	0	0	0	0
## 13.1	100	0	0	0	0	0	0
## 14	100	0	0	0	0	0	0
## 11.4	100	0	0	0	0	0	0
## 12.3	100	0	0	0	0	0	0
## 13.2	100	0	0	0	0	0	0
## 14.1	100	0	0	0	0	0	0
## 15	100	0	0	0	0	0	0
## 17	80	0	0	0	0	0	0
## 11.5	100	0	0	0	0	0	0
## 12.4	100	0	0	0	0	0	0
## 13.3	100	0	0	0	0	0	0
## 14.2	100	0	0	0	0	0	0
## 15.1	100	0	0	0	0	0	0
## 16	100	0	0	0	0	0	0
## 17.1	80	0	0	0	0	0	0
## 18	80	0	0	0	0	0	0
## 17.2	80	0	0	0	0	0	0
## 18.1	80	0	0	0	0	0	0
## 21	80	0	0	0	0	0	0
## 17.3	80	0	0	0	0	0	0
## 18.2	80	0	0	0	0	0	0
## 21.1	80	0	0	0	0	0	0
## 22	80	0	0	0	0	0	0
## 17.4	80	0	0	0	0	0	0



## 18.3	80	0	0	0	0	0	0
## 21.2	80	0	0	0	0	0	0
## 22.1	80	0	0	0	0	0	0
## 23	80	0	0	0	0	0	0
## 17.5	80	0	0	0	0	0	0
## 18.4	80	0	0	0	0	0	0
## 21.3	80	0	0	0	0	0	0
## 22.2	80	0	0	0	0	0	0
## 23.1	80	0	0	0	0	0	0
## 24	80	0	0	0	0	0	0
## 17.6	80	0	0	0	0	0	0
## 18.5	80	0	0	0	0	0	0
## 21.4	80	0	0	0	0	0	0
## 22.3	80	0	0	0	0	0	0
## 23.2	80	0	0	0	0	0	0
## 24.1	80	0	0	0	0	0	0
## 25	80	0	0	0	0	0	0
## 17.7	80	0	0	0	0	0	0
## 18.6	80	0	0	0	0	0	0
## 21.5	80	0	0	0	0	0	0
## 22.4	80	0	0	0	0	0	0
## 23.3	80	0	0	0	0	0	0
## 24.2	80	0	0	0	0	0	0
## 25.1	80	0	0	0	0	0	0
## 26	80	0	0	0	0	0	0
## 17.8	80	0	0	0	0	0	0
## 18.7	80	0	0	0	0	0	0
## 21.6	80	0	0	0	0	0	0
## 22.5	80	0	0	0	0	0	0
## 23.4	80	0	0	0	0	0	0
## 24.3	80	0	0	0	0	0	0
## 25.2	80	0	0	0	0	0	0
## 26.1	80	0	0	0	0	0	0
## 27	80	0	0	0	0	0	0
## 17.9	80	0	0	0	0	0	0
## 18.8	80	0	0	0	0	0	0
## 21.7	80	0	0	0	0	0	0
## 22.6	80	0	0	0	0	0	0
## 23.5	80	0	0	0	0	0	0
## 24.4	80	0	0	0	0	0	0
## 25.3	80	0	0	0	0	0	0
## 26.2	80	0	0	0	0	0	0
## 27.1	80	0	0	0	0	0	0
## 28	80	0	0	0	0	0	0
## 17.10	80	0	0	0	0	0	0
## 18.9	80	0	0	0	0	0	0
## 21.8	80	0	0	0	0	0	0
## 22.7	80	0	0	0	0	0	0
## 23.6	80	0	0	0	0	0	0
## 24.5	80	0	0	0	0	0	0
## 25.4	80	0	0	0	0	0	0
## 26.3	80	0	0	0	0	0	0
## 27.2	80	0	0	0	0	0	0
## 28.1	80	0	0	0	0	0	0

## 29	80	0	0	0	0	0	0
## 17.11	80	0	0	0	0	0	0
## 18.10	80	0	0	0	0	0	0
## 21.9	80	0	0	0	0	0	0
## 22.8	80	0	0	0	0	0	0
## 23.7	80	0	0	0	0	0	0
## 24.6	80	0	0	0	0	0	0
## 25.5	80	0	0	0	0	0	0
## 26.4	80	0	0	0	0	0	0
## 27.3	80	0	0	0	0	0	0
## 28.2	80	0	0	0	0	0	0
## 29.1	80	0	0	0	0	0	0
## 30	80	0	0	0	0	0	0
## 17.12	80	0	0	0	0	0	0
## 18.11	80	0	0	0	0	0	0
## 21.10	80	0	0	0	0	0	0
## 22.9	80	0	0	0	0	0	0
## 23.8	80	0	0	0	0	0	0
## 24.7	80	0	0	0	0	0	0
## 25.6	80	0	0	0	0	0	0
## 26.5	80	0	0	0	0	0	0
## 27.4	80	0	0	0	0	0	0
## 28.3	80	0	0	0	0	0	0
## 29.2	80	0	0	0	0	0	0
## 30.1	80	0	0	0	0	0	0
## 31	80	0	0	0	0	0	0
## 17.13	80	0	0	0	0	0	0
## 18.12	80	0	0	0	0	0	0
## 21.11	80	0	0	0	0	0	0
## 22.10	80	0	0	0	0	0	0
## 23.9	80	0	0	0	0	0	0
## 24.8	80	0	0	0	0	0	0
## 25.7	80	0	0	0	0	0	0
## 26.6	80	0	0	0	0	0	0
## 27.5	80	0	0	0	0	0	0
## 28.4	80	0	0	0	0	0	0
## 29.3	80	0	0	0	0	0	0
## 30.2	80	0	0	0	0	0	0
## 31.1	80	0	0	0	0	0	0
## 32	80	0	0	0	0	0	0
## 17.14	80	0	0	0	0	0	0
## 18.13	80	0	0	0	0	0	0
## 21.12	80	0	0	0	0	0	0
## 22.11	80	0	0	0	0	0	0
## 23.10	80	0	0	0	0	0	0
## 24.9	80	0	0	0	0	0	0
## 25.8	80	0	0	0	0	0	0
## 26.7	80	0	0	0	0	0	0
## 27.6	80	0	0	0	0	0	0
## 28.5	80	0	0	0	0	0	0
## 29.4	80	0	0	0	0	0	0
## 30.3	80	0	0	0	0	0	0
## 31.2	80	0	0	0	0	0	0
## 32.1	80	0	0	0	0	0	0

## 33	80	0	0	0	0	0	0
## 17.15	80	0	0	0	0	0	0
## 18.14	80	0	0	0	0	0	0
## 21.13	80	0	0	0	0	0	0
## 22.12	80	0	0	0	0	0	0
## 23.11	80	0	0	0	0	0	0
## 24.10	80	0	0	0	0	0	0
## 25.9	80	0	0	0	0	0	0
## 26.8	80	0	0	0	0	0	0
## 27.7	80	0	0	0	0	0	0
## 28.6	80	0	0	0	0	0	0
## 29.5	80	0	0	0	0	0	0
## 30.4	80	0	0	0	0	0	0
## 31.3	80	0	0	0	0	0	0
## 32.2	80	0	0	0	0	0	0
## 33.1	80	0	0	0	0	0	0
## 34	80	0	0	0	0	0	0
## 17.16	80	0	0	0	0	0	0
## 18.15	80	0	0	0	0	0	0
## 21.14	80	0	0	0	0	0	0
## 22.13	80	0	0	0	0	0	0
## 23.12	80	0	0	0	0	0	0
## 24.11	80	0	0	0	0	0	0
## 25.10	80	0	0	0	0	0	0
## 26.9	80	0	0	0	0	0	0
## 27.8	80	0	0	0	0	0	0
## 28.7	80	0	0	0	0	0	0
## 29.6	80	0	0	0	0	0	0
## 30.5	80	0	0	0	0	0	0
## 31.4	80	0	0	0	0	0	0
## 32.3	80	0	0	0	0	0	0
## 33.2	80	0	0	0	0	0	0
## 34.1	80	0	0	0	0	0	0
## 35	80	0	0	0	0	0	0
## 17.17	80	0	0	0	0	0	0
## 18.16	80	0	0	0	0	0	0
## 21.15	80	0	0	0	0	0	0
## 22.14	80	0	0	0	0	0	0
## 23.13	80	0	0	0	0	0	0
## 24.12	80	0	0	0	0	0	0
## 25.11	80	0	0	0	0	0	0
## 26.10	80	0	0	0	0	0	0
## 27.9	80	0	0	0	0	0	0
## 28.8	80	0	0	0	0	0	0
## 29.7	80	0	0	0	0	0	0
## 30.6	80	0	0	0	0	0	0
## 31.5	80	0	0	0	0	0	0
## 32.4	80	0	0	0	0	0	0
## 33.3	80	0	0	0	0	0	0
## 34.2	80	0	0	0	0	0	0
## 35.1	80	0	0	0	0	0	0
## 36	80	0	0	0	0	0	0
## 17.18	80	0	0	0	0	0	0
## 18.17	80	0	0	0	0	0	0

## 21.16	80	0	0	0	0	0	0
## 22.15	80	0	0	0	0	0	0
## 23.14	80	0	0	0	0	0	0
## 24.13	80	0	0	0	0	0	0
## 25.12	80	0	0	0	0	0	0
## 26.11	80	0	0	0	0	0	0
## 27.10	80	0	0	0	0	0	0
## 28.9	80	0	0	0	0	0	0
## 29.8	80	0	0	0	0	0	0
## 30.7	80	0	0	0	0	0	0
## 31.6	80	0	0	0	0	0	0
## 32.5	80	0	0	0	0	0	0
## 33.4	80	0	0	0	0	0	0
## 34.3	80	0	0	0	0	0	0
## 35.2	80	0	0	0	0	0	0
## 36.1	80	0	0	0	0	0	0
## 37	80	0	0	0	0	0	0
## 17.19	80	0	0	0	0	0	0
## 18.18	80	0	0	0	0	0	0
## 21.17	80	0	0	0	0	0	0
## 22.16	80	0	0	0	0	0	0
## 23.15	80	0	0	0	0	0	0
## 24.14	80	0	0	0	0	0	0
## 25.13	80	0	0	0	0	0	0
## 26.12	80	0	0	0	0	0	0
## 27.11	80	0	0	0	0	0	0
## 28.10	80	0	0	0	0	0	0
## 29.9	80	0	0	0	0	0	0
## 30.8	80	0	0	0	0	0	0
## 31.7	80	0	0	0	0	0	0
## 32.6	80	0	0	0	0	0	0
## 33.5	80	0	0	0	0	0	0
## 34.4	80	0	0	0	0	0	0
## 35.3	80	0	0	0	0	0	0
## 36.2	80	0	0	0	0	0	0
## 37.1	80	0	0	0	0	0	0
## 38	80	0	0	0	0	0	0
## 17.20	80	0	0	0	0	0	0
## 18.19	80	0	0	0	0	0	0
## 21.18	80	0	0	0	0	0	0
## 22.17	80	0	0	0	0	0	0
## 23.16	80	0	0	0	0	0	0
## 24.15	80	0	0	0	0	0	0
## 25.14	80	0	0	0	0	0	0
## 26.13	80	0	0	0	0	0	0
## 27.12	80	0	0	0	0	0	0
## 28.11	80	0	0	0	0	0	0
## 29.10	80	0	0	0	0	0	0
## 30.9	80	0	0	0	0	0	0
## 31.8	80	0	0	0	0	0	0
## 32.7	80	0	0	0	0	0	0
## 33.6	80	0	0	0	0	0	0
## 34.5	80	0	0	0	0	0	0
## 35.4	80	0	0	0	0	0	0

## 36.3	80	0	0	0	0	0	0
## 37.2	80	0	0	0	0	0	0
## 38.1	80	0	0	0	0	0	0
## 39	80	0	0	0	0	0	0
## 17.21	80	0	0	0	0	0	0
## 18.20	80	0	0	0	0	0	0
## 21.19	80	0	0	0	0	0	0
## 22.18	80	0	0	0	0	0	0
## 23.17	80	0	0	0	0	0	0
## 24.16	80	0	0	0	0	0	0
## 25.15	80	0	0	0	0	0	0
## 26.14	80	0	0	0	0	0	0
## 27.13	80	0	0	0	0	0	0
## 28.12	80	0	0	0	0	0	0
## 29.11	80	0	0	0	0	0	0
## 30.10	80	0	0	0	0	0	0
## 31.9	80	0	0	0	0	0	0
## 32.8	80	0	0	0	0	0	0
## 33.7	80	0	0	0	0	0	0
## 34.6	80	0	0	0	0	0	0
## 35.5	80	0	0	0	0	0	0
## 36.4	80	0	0	0	0	0	0
## 37.3	80	0	0	0	0	0	0
## 38.2	80	0	0	0	0	0	0
## 39.1	80	0	0	0	0	0	0
## 41	80	0	0	0	0	0	0
## 10	100	0	0	0	0	0	0
## 50	80	0	0	0	0	0	0
## 51	80	0	0	0	0	0	0
## 58	80	0	0	0	0	0	0
## 44	40	0	0	0	0	0	0
## 49	0	0	0	0	0	0	0
## 9	0	0	0	0	0	0	0
## 58.1	80	0	0	0	0	0	0
## 59	80	0	0	0	0	0	0
## 74	100	0	0	0	0	0	0
## 76	40	0	0	0	0	0	0
## 88	100	0	0	0	0	0	0
## 83	100	0	0	0	0	0	0
## 89	100	0	0	0	0	0	0
## 79	80	0	0	0	0	0	0
## 76.1	40	0	0	0	0	0	0
## 77	40	0	0	0	0	0	0
## 73	40	0	0	0	0	0	0
## 72	60	0	0	0	0	0	0
## 71	20	0	0	0	0	40	0
## 96	80	0	0	0	0	0	0
## 74.1	100	0	0	0	0	0	0
## 75	100	0	0	0	0	0	0
## 104	0	0	0	0	0	0	0
## 119	20	0	0	0	0	20	0
## 129	0	0	0	0	0	0	0
## 128	0	0	0	0	0	0	0
## 122	0	0	0	0	0	0	0

## 142	40	0	0	0	0	0	0
## 150	60	0	0	0	0	0	0
## 121	20	0	0	0	0	0	0
## 167	60	0	0	0	0	0	20
## 121.1	20	0	0	0	0	0	0
## 154	20	0	0	0	0	0	0
## 142.1	40	0	0	0	0	0	0
## 146	40	0	0	0	0	0	0
## 119.1	20	0	0	0	0	20	0
## 120	20	0	0	0	0	20	0
## 177	100	0	0	0	0	0	0
## 174	0	0	0	0	0	0	0
## 175	20	0	0	0	0	0	20
## 176	0	0	0	0	0	0	0
## 135	40	0	0	0	0	0	0
## 169	40	0	0	0	0	0	0
## 196	20	0	0	0	0	0	0
## 196.1	20	0	0	0	0	0	0
## 197	20	0	0	0	0	0	0
## 196.2	20	0	0	0	0	0	0
## 197.1	20	0	0	0	0	0	0
## 198	20	0	0	0	0	0	0
## 196.3	20	0	0	0	0	0	0
## 197.2	20	0	0	0	0	0	0
## 198.1	20	0	0	0	0	0	0
## 199	20	0	0	0	0	0	0
## 196.4	20	0	0	0	0	0	0
## 197.3	20	0	0	0	0	0	0
## 198.2	20	0	0	0	0	0	0
## 199.1	20	0	0	0	0	0	0
## 200	20	0	0	0	0	0	0
## 195	60	0	0	0	0	0	20
## 206	0	0	0	0	0	0	0
## 208	60	0	20	0	0	0	0
## 213	80	0	0	0	0	0	0
## 213.1	80	0	0	0	0	0	0
## 214	80	0	0	0	0	0	0
## 213.2	80	0	0	0	0	0	0
## 214.1	80	0	0	0	0	0	0
## 215	80	0	0	0	0	0	0
## 217	60	0	0	0	0	0	0
## 217.1	60	0	0	0	0	0	0
## 218	60	0	0	0	0	0	0
## 231	20	0	0	0	0	0	0
## 242	20	0	0	0	0	0	0
## 250	0	0	0	0	0	0	0
## 223	20	0	0	0	0	0	0
## 238	40	0	0	0	0	0	0
## 246	80	0	20	0	0	0	0
## 246.1	80	0	20	0	0	0	0
## 260	80	0	20	0	0	0	0
## 282	0	0	0	0	0	0	20
## 284	80	0	0	0	0	0	0
## 196.5	20	0	0	0	0	0	0

## 197.4	20	0	0	0	0	0	0
## 198.3	20	0	0	0	0	0	0
## 199.2	20	0	0	0	0	0	0
## 200.1	20	0	0	0	0	0	0
## 201	20	0	0	0	0	0	0
## 195.1	60	0	0	0	0	0	20
## 202	60	0	0	0	0	0	20
## 238.1	40	0	0	0	0	0	0
## 254	40	0	0	0	0	0	0
## 296	40	0	0	0	0	0	0
## 237	0	0	0	0	0	0	0
## 296.1	40	0	0	0	0	0	0
## 297	40	0	0	0	0	0	0
## 275	0	0	0	0	0	0	0
## 296.2	40	0	0	0	0	0	0
## 297.1	40	0	0	0	0	0	0
## 299	40	0	0	0	0	0	0
## 237.1	0	0	0	0	0	0	0
## 298	0	0	0	0	0	0	0
## 292	40	0	0	0	0	0	0
## 195.2	60	0	0	0	0	0	20
## 202.1	60	0	0	0	0	0	20
## 293	60	0	0	0	0	0	20
## 317	40	0	0	0	0	0	0
## 316	0	0	0	0	0	0	0
## 322	0	0	0	0	0	0	0
## 324	40	0	0	0	0	40	0
## 329	0	0	0	0	0	0	20
## 337	0	0	0	0	0	0	0
## 355	40	0	0	0	0	0	0
## 322.1	0	0	0	0	0	0	0
## 323	0	0	0	0	0	0	0
## 320	40	0	0	0	0	0	0
## 317.1	40	0	0	0	0	0	0
## 318	40	0	0	0	0	0	0
## 319	60	0	0	0	0	0	0
## 317.2	40	0	0	0	0	0	0
## 318.1	40	0	0	0	0	0	0
## 375	40	0	0	0	0	0	0
## 393	0	0	20	40	0	20	0
## 316.1	0	0	0	0	0	0	0
## 321	0	0	0	0	0	0	0
## 381	40	0	0	0	0	0	0
## 399	0	0	0	0	0	0	0
## 399.1	0	0	0	0	0	0	0
## 400	0	0	0	0	0	0	0
## 402	0	0	0	0	0	0	0
## 408	0	0	0	0	0	0	0
## 408.1	0	0	0	0	0	0	0
## 409	0	0	0	0	0	0	0
## 417	0	0	0	0	40	0	0
## 411	0	0	0	40	0	0	0
## 408.2	0	0	0	0	0	0	0
## 409.1	0	0	0	0	0	0	0

## 410	0	0	0	0	0	0	0
## 431	0	0	0	0	40	0	0
## 435	0	0	0	0	0	0	20
## 433	0	0	0	0	0	0	20
## 427	0	0	0	0	20	0	0
## 447	80	0	0	0	0	20	0
## 449	80	0	0	0	0	0	0
## 465	0	0	0	0	0	0	0
## 470	60	0	0	0	0	0	0
## 460	0	0	0	0	0	0	0
## 479	0	0	0	0	0	0	0
## 402.1	0	0	0	0	0	0	0
## 403	0	0	0	0	0	0	0
## 502	0	0	0	0	0	20	40
## 502.1	0	0	0	0	0	20	40
## 503	0	0	0	0	0	20	40
## 497	100	0	0	0	0	0	0
## 514	0	0	0	0	0	40	0
## 507	60	0	0	0	0	0	0
## 399.2	0	0	0	0	0	0	0
## 400.1	0	0	0	0	0	0	0
## 401	0	0	0	0	0	0	0
## 497.1	100	0	0	0	0	0	0
## 508	100	0	0	0	0	0	0
## 495	100	0	0	0	0	0	0
## 572	100	0	0	0	0	0	0
## 574	100	0	0	0	0	0	0
## 574.1	100	0	0	0	0	0	0
## 575	100	0	0	0	0	0	0
## 579	100	0	0	0	0	0	0
## 579.1	100	0	0	0	0	0	0
## 582	100	0	0	0	0	0	0
## 586	100	0	0	0	0	0	0
## 572.1	100	0	0	0	0	0	0
## 573	100	0	0	0	0	0	0
## 599	100	0	0	0	0	0	0
## 612	0	0	0	0	0	0	0
## 617	100	0	0	0	0	0	0
## 616	0	0	0	0	0	0	20
## 641	0	0	0	0	0	0	80
## 662	0	0	0	0	0	0	0
## 668	100	0	0	0	0	0	0
## 678	60	0	0	0	0	0	0
## 677	0	0	0	0	0	0	0
## 647	0	0	0	0	0	0	20
## 700	20	0	0	0	0	0	0
## 704	100	0	0	0	0	0	0
## 709	100	0	0	0	0	0	0
## 732	100	0	0	0	0	0	0
## 806	60	0	0	0	0	0	0
## 700.1	20	0	0	0	0	0	0
## 701	20	0	0	0	0	0	0
## 851	60	0	0	0	0	0	0
## 859	0	0	0	0	0	0	0



## 887	100	0	0	0	0	0	0
## 894	100	0	0	0	0	0	0
## 896	100	0	0	0	0	0	0
## 899	100	0	0	0	0	0	0
## 901	100	0	0	0	0	0	0
## 910	100	0	0	0	0	0	0
## 894.1	100	0	0	0	0	0	0
## 900	100	0	0	0	0	0	0
## 917	100	0	0	0	0	0	0
## 926	100	0	0	0	0	0	0
## 892	100	0	0	0	0	0	0
## 945	100	0	0	0	0	0	0
## 937	100	0	0	0	0	0	0
## 908	100	0	0	0	0	0	0
## 958	100	0	0	0	0	0	0
## 971	100	0	0	0	0	0	0
## 985	60	0	0	0	0	0	0
## 1019	0	0	0	0	0	0	0
## 1039	100	0	0	0	0	0	0
## 1017	0	0	0	0	0	60	0
## 1097	60	0	0	0	0	0	0
## 1135	40	0	0	0	0	0	0
## 1135.1	40	0	0	0	0	0	0
## 1136	40	0	0	0	0	0	0
## 1139	80	0	0	0	0	0	0
## 1139.1	80	0	0	0	0	0	0
## 1140	80	0	0	0	0	0	0
## 1145	40	0	0	0	0	20	40
## 1143	80	0	0	0	0	20	0
## 1145.1	40	0	0	0	0	20	40
## 1146	40	0	0	0	0	20	40
## 1138	100	0	0	0	0	0	0
## 1167	100	0	0	0	0	0	0
## 1173	100	0	0	0	0	0	0
## 1175	100	0	0	0	0	0	0
## 1178	100	0	0	0	0	0	0
## 1217	40	0	0	0	0	0	0
## 1211	0	0	0	0	0	0	20
## 1131	0	0	0	0	0	0	0
## 1250	0	0	0	0	0	0	0
## 1253	0	0	0	0	0	0	0
## 1268	0	0	0	0	0	0	0
## 1248	20	0	0	0	0	0	40
## 1249	0	0	0	0	0	0	0
## 1216	0	0	0	0	0	0	60
## 1216.1	0	0	0	0	0	0	60
## 1280	0	0	0	0	0	0	60
## 1266	0	0	0	0	0	20	0
## 1293	100	0	0	0	0	0	0
## 1295	100	0	0	0	0	0	0
## 1295.1	100	0	0	0	0	0	0
## 1296	100	0	0	0	0	0	0
## 1305	100	0	0	0	0	0	0
## 1308	80	0	20	0	0	0	0

## 1308.1	80	0	20	0	0	0	0
## 1309	80	0	20	0	0	0	0
## 1311	100	0	0	0	0	0	0
## 1315	100	0	0	0	0	0	0
## 1315.1	100	0	0	0	0	0	0
## 1316	100	0	0	0	0	0	0
## 1318	100	0	0	0	0	0	0
## 1320	80	0	0	0	0	0	0
## 1315.2	100	0	0	0	0	0	0
## 1316.1	100	0	0	0	0	0	0
## 1317	100	0	0	0	0	0	0
## 1327	100	0	0	0	0	0	0
## 1341	40	0	0	0	0	0	20
## 1345	100	0	0	0	0	0	0
## 1350	40	0	0	0	0	0	0
## 1408	20	0	0	0	0	20	0
## 1438	40	0	0	0	0	0	40
## 1443	0	0	0	0	0	0	20
## 1443.1	0	0	0	0	0	0	20
## 1444	0	0	0	0	0	0	20
## 1290	0	0	0	0	0	0	80
## 1465	0	0	0	0	0	80	0
## 1474	0	0	0	0	0	40	0
## 1474.1	0	0	0	0	0	40	0
## 1475	0	0	0	0	0	40	0
## 1485	0	0	0	0	0	0	0
## 1503	0	0	0	0	0	0	40
## 1506	0	0	0	0	0	0	0
## 1509	0	0	0	0	0	0	0
## 1533	60	0	0	0	0	0	0
## 1533.1	60	0	0	0	0	0	0
## 1534	60	0	0	0	0	0	0
## 1533.2	60	0	0	0	0	0	0
## 1534.1	60	0	0	0	0	0	0
## 1537	60	0	0	0	0	0	0
## 1533.3	60	0	0	0	0	0	0
## 1534.2	60	0	0	0	0	0	0
## 1537.1	60	0	0	0	0	0	0
## 1539	60	0	0	0	0	0	0
## 1545	20	0	0	0	0	0	0
## 1545.1	20	0	0	0	0	0	0
## 1546	20	0	0	0	0	0	0
## 1548	60	0	0	0	0	20	0
## 1552	80	0	0	0	0	0	20
## 1552.1	80	0	0	0	0	0	20
## 1557	80	0	0	0	0	0	20
## 1571	60	0	0	0	0	0	0
## 1580	80	0	0	0	0	20	0
## 1570	40	0	0	0	0	0	0
## 1584	100	0	0	0	0	0	0
## 1584.1	100	0	0	0	0	0	0
## 1606	100	0	0	0	0	0	0
## 1609	0	0	0	0	0	0	0
## 1612	80	0	0	0	0	0	0

## 1624	100	0	0	0	0	0	0
## 1629	60	0	0	0	0	0	0
## 1631	100	0	0	0	0	0	0
## 1642	40	0	0	0	0	0	0
## 1663	80	0	0	0	0	0	0
## 1702	20	0	0	0	0	0	0
## 1700	0	0	0	0	0	0	20
## 1719	60	0	0	0	0	0	0
## 1719.1	60	0	0	0	0	0	0
## 1720	60	0	0	0	0	0	0
## 1731	40	0	0	0	0	0	0
## 1742	0	0	0	0	0	0	0
## 1698	0	0	0	0	0	0	20
## 1749	0	0	0	0	0	0	20
## 1741	60	0	0	0	0	0	40
## 1768	20	0	0	0	0	0	0
## 1807	0	0	0	0	0	0	20
## 1771	0	0	0	0	0	20	0
## 1814	80	0	0	0	0	20	0
## 1830	100	0	0	0	0	0	0
## 1848	80	0	0	0	0	0	0
## 1853	80	0	0	0	0	0	0
## 1863	100	0	0	0	0	0	0
## 1862	40	0	20	0	0	0	0
## 1862.1	40	0	20	0	0	0	0
## 1867	40	0	20	0	0	0	0
## 1865	100	0	0	0	0	0	0
## 1862.2	40	0	20	0	0	0	0
## 1867.1	40	0	20	0	0	0	0
## 1868	40	0	20	0	0	0	0
## 1862.3	40	0	20	0	0	0	0
## 1867.2	40	0	20	0	0	0	0
## 1868.1	40	0	20	0	0	0	0
## 1872	40	0	20	0	0	0	0
## 1879	100	0	0	0	0	0	0
## 1911	0	0	0	0	0	0	40
## 1952	0	0	0	0	0	0	0
## 1954	0	0	0	0	0	0	0
## 1973	0	0	0	0	0	0	0
## 1989	80	0	0	0	0	20	0
## 1994	0	0	0	0	0	0	0
## 1996	0	0	0	0	0	0	0
## 1998	60	0	40	0	0	0	0
## 1998.1	60	0	40	0	0	0	0
## 1999	60	0	40	0	0	0	0
## 2001	0	0	0	0	0	0	0
## 2021	40	0	0	0	0	0	0
## 2015	0	0	0	0	0	20	0
## 2029	0	0	0	0	0	0	0
## 2034	80	0	0	0	0	0	0
## 2039	100	0	0	0	0	0	0
## 2045	100	0	0	0	0	0	0
## 2064	100	0	0	0	0	0	0
## 2062	100	0	0	0	0	0	0

## 2069	100	0	0	0	0	0	0
## 2064.1	100	0	0	0	0	0	0
## 2070	100	0	0	0	0	0	0
## 2101	0	0	0	0	0	20	40
## 2110	0	0	0	0	0	0	0
## 2113	40	0	0	0	0	60	0
## 2131	20	0	0	0	0	0	0
## 2131.1	20	0	0	0	0	0	0
## 2132	20	0	0	0	0	0	0
## 2135	0	0	0	0	0	0	0
## 2145	0	0	0	0	0	0	40
## 2153	0	0	0	0	0	0	40
## 2162	0	0	0	0	0	0	0
## 2162.1	0	0	0	0	0	0	0
## 2163	0	0	0	0	0	0	0
## 2168	0	0	0	0	0	0	0
## 2168.1	0	0	0	0	0	0	0
## 2169	0	0	0	0	0	0	0
## 2179	0	0	0	0	0	0	0
## 2178	0	0	0	0	0	0	0
## 2182	0	0	0	0	0	0	0
## 2162.2	0	0	0	0	0	0	0
## 2163.1	0	0	0	0	0	0	0
## 2164	0	0	0	0	0	0	0
## 2187	0	0	0	0	0	0	0
## 2162.3	0	0	0	0	0	0	0
## 2163.2	0	0	0	0	0	0	0
## 2164.1	0	0	0	0	0	0	0
## 2184	0	0	0	0	0	0	0
## 2174	0	0	0	0	0	0	0
## 2179.1	0	0	0	0	0	0	0
## 2180	0	0	0	0	0	0	0
## 2212	0	0	0	0	0	0	0
## 2229	0	0	0	0	0	0	0
## 2229.1	0	0	0	0	0	0	0
## 2230	0	0	0	0	0	0	0
## 2237	0	0	0	0	0	0	0
## 2247	100	0	0	0	0	0	0
## 2252	0	0	0	0	0	0	20
## 2275	80	0	0	0	0	0	0
## 2282	40	0	0	0	0	0	0
## 2273	20	0	0	0	0	0	0
## 2273.1	20	0	0	0	0	0	0
## 2285	20	0	0	0	0	0	0
## 2287	100	0	0	0	0	0	0
## 2292	100	0	0	0	0	0	0
## 2297	100	0	0	0	0	0	0
## 2300	100	0	0	0	0	0	0
## 2302	0	0	0	0	0	0	0
## 2308	60	0	0	0	0	0	0
## 2308.1	60	0	0	0	0	0	0
## 2309	60	0	0	0	0	0	0
## 2323	100	0	0	0	0	0	0
## 2339	100	0	0	0	0	0	0

## 2357	0	0	0	0	0	0	60
## 2360	0	0	0	0	0	0	20
## 2349	0	0	0	0	0	0	0
## 2367	20	0	0	0	0	0	20
## 2366	0	0	0	0	0	0	20
## 2380	0	0	0	0	0	0	40
## 2418	0	0	0	0	0	0	0
## 2433	0	0	0	0	0	0	20
## 2442	0	0	0	0	0	0	0
## 2450	0	0	0	0	0	0	0
## 2463	0	0	0	0	20	0	0
## 2480	0	0	0	0	0	0	0
## 2493	0	0	0	0	20	0	0
## 2504	0	0	0	0	0	0	0
## 2508	0	0	0	0	0	0	0
## 2512	0	0	0	0	0	0	0
## 2525	40	0	0	0	0	0	40
## 2533	0	0	0	0	0	0	0
## 2541	100	0	0	0	0	0	0
## 2548	100	0	0	0	0	0	0
## 2556	100	0	0	0	0	0	0
## 2568	80	0	0	0	0	0	0
## 2574	100	0	0	0	0	0	0
## 2573	100	0	0	0	0	0	0
## 2574.1	100	0	0	0	0	0	0
## 2575	100	0	0	0	0	0	0
## 2585	100	0	0	0	0	0	0
## 2574.2	100	0	0	0	0	0	0
## 2575.1	100	0	0	0	0	0	0
## 2579	100	0	0	0	0	0	0
## 2574.3	100	0	0	0	0	0	0
## 2575.2	100	0	0	0	0	0	0
## 2579.1	100	0	0	0	0	0	0
## 2591	100	0	0	0	0	0	0
## 2574.4	100	0	0	0	0	0	0
##	l10igb3a	l11igb3a	l12igb3a	l13igb3a	l14igb3a	l3pobi3b	lammod3a
## 3	40	0	0	0	40	7	14
## 3.1	40	0	0	0	40	7	14
## 4	40	0	0	0	40	7	14
## 2	0	0	0	0	80	7	9
## 11	0	0	0	0	0	7	24
## 11.1	0	0	0	0	0	7	24
## 12	0	0	0	0	0	7	24
## 11.2	0	0	0	0	0	7	24
## 12.1	0	0	0	0	0	7	24
## 13	0	0	0	0	0	7	24
## 11.3	0	0	0	0	0	7	24
## 12.2	0	0	0	0	0	7	24
## 13.1	0	0	0	0	0	7	24
## 14	0	0	0	0	0	7	24
## 11.4	0	0	0	0	0	7	24
## 12.3	0	0	0	0	0	7	24
## 13.2	0	0	0	0	0	7	24
## 14.1	0	0	0	0	0	7	24

## 15	0	0	0	0	0	7	24
## 17	0	0	0	0	20	7	22
## 11.5	0	0	0	0	0	7	24
## 12.4	0	0	0	0	0	7	24
## 13.3	0	0	0	0	0	7	24
## 14.2	0	0	0	0	0	7	24
## 15.1	0	0	0	0	0	7	24
## 16	0	0	0	0	0	7	24
## 17.1	0	0	0	0	20	7	22
## 18	0	0	0	0	20	7	22
## 17.2	0	0	0	0	20	7	22
## 18.1	0	0	0	0	20	7	22
## 21	0	0	0	0	20	7	22
## 17.3	0	0	0	0	20	7	22
## 18.2	0	0	0	0	20	7	22
## 21.1	0	0	0	0	20	7	22
## 22	0	0	0	0	20	7	22
## 17.4	0	0	0	0	20	7	22
## 18.3	0	0	0	0	20	7	22
## 21.2	0	0	0	0	20	7	22
## 22.1	0	0	0	0	20	7	22
## 23	0	0	0	0	20	7	22
## 17.5	0	0	0	0	20	7	22
## 18.4	0	0	0	0	20	7	22
## 21.3	0	0	0	0	20	7	22
## 22.2	0	0	0	0	20	7	22
## 23.1	0	0	0	0	20	7	22
## 24	0	0	0	0	20	7	22
## 17.6	0	0	0	0	20	7	22
## 18.5	0	0	0	0	20	7	22
## 21.4	0	0	0	0	20	7	22
## 22.3	0	0	0	0	20	7	22
## 23.2	0	0	0	0	20	7	22
## 24.1	0	0	0	0	20	7	22
## 25	0	0	0	0	20	7	22
## 17.7	0	0	0	0	20	7	22
## 18.6	0	0	0	0	20	7	22
## 21.5	0	0	0	0	20	7	22
## 22.4	0	0	0	0	20	7	22
## 23.3	0	0	0	0	20	7	22
## 24.2	0	0	0	0	20	7	22
## 25.1	0	0	0	0	20	7	22
## 26	0	0	0	0	20	7	22
## 17.8	0	0	0	0	20	7	22
## 18.7	0	0	0	0	20	7	22
## 21.6	0	0	0	0	20	7	22
## 22.5	0	0	0	0	20	7	22
## 23.4	0	0	0	0	20	7	22
## 24.3	0	0	0	0	20	7	22
## 25.2	0	0	0	0	20	7	22
## 26.1	0	0	0	0	20	7	22
## 27	0	0	0	0	20	7	22
## 17.9	0	0	0	0	20	7	22
## 18.8	0	0	0	0	20	7	22

## 21.7	0	0	0	0	20	7	22
## 22.6	0	0	0	0	20	7	22
## 23.5	0	0	0	0	20	7	22
## 24.4	0	0	0	0	20	7	22
## 25.3	0	0	0	0	20	7	22
## 26.2	0	0	0	0	20	7	22
## 27.1	0	0	0	0	20	7	22
## 28	0	0	0	0	20	7	22
## 17.10	0	0	0	0	20	7	22
## 18.9	0	0	0	0	20	7	22
## 21.8	0	0	0	0	20	7	22
## 22.7	0	0	0	0	20	7	22
## 23.6	0	0	0	0	20	7	22
## 24.5	0	0	0	0	20	7	22
## 25.4	0	0	0	0	20	7	22
## 26.3	0	0	0	0	20	7	22
## 27.2	0	0	0	0	20	7	22
## 28.1	0	0	0	0	20	7	22
## 29	0	0	0	0	20	7	22
## 17.11	0	0	0	0	20	7	22
## 18.10	0	0	0	0	20	7	22
## 21.9	0	0	0	0	20	7	22
## 22.8	0	0	0	0	20	7	22
## 23.7	0	0	0	0	20	7	22
## 24.6	0	0	0	0	20	7	22
## 25.5	0	0	0	0	20	7	22
## 26.4	0	0	0	0	20	7	22
## 27.3	0	0	0	0	20	7	22
## 28.2	0	0	0	0	20	7	22
## 29.1	0	0	0	0	20	7	22
## 30	0	0	0	0	20	7	22
## 17.12	0	0	0	0	20	7	22
## 18.11	0	0	0	0	20	7	22
## 21.10	0	0	0	0	20	7	22
## 22.9	0	0	0	0	20	7	22
## 23.8	0	0	0	0	20	7	22
## 24.7	0	0	0	0	20	7	22
## 25.6	0	0	0	0	20	7	22
## 26.5	0	0	0	0	20	7	22
## 27.4	0	0	0	0	20	7	22
## 28.3	0	0	0	0	20	7	22
## 29.2	0	0	0	0	20	7	22
## 30.1	0	0	0	0	20	7	22
## 31	0	0	0	0	20	7	22
## 17.13	0	0	0	0	20	7	22
## 18.12	0	0	0	0	20	7	22
## 21.11	0	0	0	0	20	7	22
## 22.10	0	0	0	0	20	7	22
## 23.9	0	0	0	0	20	7	22
## 24.8	0	0	0	0	20	7	22
## 25.7	0	0	0	0	20	7	22
## 26.6	0	0	0	0	20	7	22
## 27.5	0	0	0	0	20	7	22
## 28.4	0	0	0	0	20	7	22

## 29.3	0	0	0	0	20	7	22
## 30.2	0	0	0	0	20	7	22
## 31.1	0	0	0	0	20	7	22
## 32	0	0	0	0	20	7	22
## 17.14	0	0	0	0	20	7	22
## 18.13	0	0	0	0	20	7	22
## 21.12	0	0	0	0	20	7	22
## 22.11	0	0	0	0	20	7	22
## 23.10	0	0	0	0	20	7	22
## 24.9	0	0	0	0	20	7	22
## 25.8	0	0	0	0	20	7	22
## 26.7	0	0	0	0	20	7	22
## 27.6	0	0	0	0	20	7	22
## 28.5	0	0	0	0	20	7	22
## 29.4	0	0	0	0	20	7	22
## 30.3	0	0	0	0	20	7	22
## 31.2	0	0	0	0	20	7	22
## 32.1	0	0	0	0	20	7	22
## 33	0	0	0	0	20	7	22
## 17.15	0	0	0	0	20	7	22
## 18.14	0	0	0	0	20	7	22
## 21.13	0	0	0	0	20	7	22
## 22.12	0	0	0	0	20	7	22
## 23.11	0	0	0	0	20	7	22
## 24.10	0	0	0	0	20	7	22
## 25.9	0	0	0	0	20	7	22
## 26.8	0	0	0	0	20	7	22
## 27.7	0	0	0	0	20	7	22
## 28.6	0	0	0	0	20	7	22
## 29.5	0	0	0	0	20	7	22
## 30.4	0	0	0	0	20	7	22
## 31.3	0	0	0	0	20	7	22
## 32.2	0	0	0	0	20	7	22
## 33.1	0	0	0	0	20	7	22
## 34	0	0	0	0	20	7	22
## 17.16	0	0	0	0	20	7	22
## 18.15	0	0	0	0	20	7	22
## 21.14	0	0	0	0	20	7	22
## 22.13	0	0	0	0	20	7	22
## 23.12	0	0	0	0	20	7	22
## 24.11	0	0	0	0	20	7	22
## 25.10	0	0	0	0	20	7	22
## 26.9	0	0	0	0	20	7	22
## 27.8	0	0	0	0	20	7	22
## 28.7	0	0	0	0	20	7	22
## 29.6	0	0	0	0	20	7	22
## 30.5	0	0	0	0	20	7	22
## 31.4	0	0	0	0	20	7	22
## 32.3	0	0	0	0	20	7	22
## 33.2	0	0	0	0	20	7	22
## 34.1	0	0	0	0	20	7	22
## 35	0	0	0	0	20	7	22
## 17.17	0	0	0	0	20	7	22
## 18.16	0	0	0	0	20	7	22



## 21.15	0	0	0	0	20	7	22
## 22.14	0	0	0	0	20	7	22
## 23.13	0	0	0	0	20	7	22
## 24.12	0	0	0	0	20	7	22
## 25.11	0	0	0	0	20	7	22
## 26.10	0	0	0	0	20	7	22
## 27.9	0	0	0	0	20	7	22
## 28.8	0	0	0	0	20	7	22
## 29.7	0	0	0	0	20	7	22
## 30.6	0	0	0	0	20	7	22
## 31.5	0	0	0	0	20	7	22
## 32.4	0	0	0	0	20	7	22
## 33.3	0	0	0	0	20	7	22
## 34.2	0	0	0	0	20	7	22
## 35.1	0	0	0	0	20	7	22
## 36	0	0	0	0	20	7	22
## 17.18	0	0	0	0	20	7	22
## 18.17	0	0	0	0	20	7	22
## 21.16	0	0	0	0	20	7	22
## 22.15	0	0	0	0	20	7	22
## 23.14	0	0	0	0	20	7	22
## 24.13	0	0	0	0	20	7	22
## 25.12	0	0	0	0	20	7	22
## 26.11	0	0	0	0	20	7	22
## 27.10	0	0	0	0	20	7	22
## 28.9	0	0	0	0	20	7	22
## 29.8	0	0	0	0	20	7	22
## 30.7	0	0	0	0	20	7	22
## 31.6	0	0	0	0	20	7	22
## 32.5	0	0	0	0	20	7	22
## 33.4	0	0	0	0	20	7	22
## 34.3	0	0	0	0	20	7	22
## 35.2	0	0	0	0	20	7	22
## 36.1	0	0	0	0	20	7	22
## 37	0	0	0	0	20	7	22
## 17.19	0	0	0	0	20	7	22
## 18.18	0	0	0	0	20	7	22
## 21.17	0	0	0	0	20	7	22
## 22.16	0	0	0	0	20	7	22
## 23.15	0	0	0	0	20	7	22
## 24.14	0	0	0	0	20	7	22
## 25.13	0	0	0	0	20	7	22
## 26.12	0	0	0	0	20	7	22
## 27.11	0	0	0	0	20	7	22
## 28.10	0	0	0	0	20	7	22
## 29.9	0	0	0	0	20	7	22
## 30.8	0	0	0	0	20	7	22
## 31.7	0	0	0	0	20	7	22
## 32.6	0	0	0	0	20	7	22
## 33.5	0	0	0	0	20	7	22
## 34.4	0	0	0	0	20	7	22
## 35.3	0	0	0	0	20	7	22
## 36.2	0	0	0	0	20	7	22
## 37.1	0	0	0	0	20	7	22

## 38	0	0	0	0	20	7	22
## 17.20	0	0	0	0	20	7	22
## 18.19	0	0	0	0	20	7	22
## 21.18	0	0	0	0	20	7	22
## 22.17	0	0	0	0	20	7	22
## 23.16	0	0	0	0	20	7	22
## 24.15	0	0	0	0	20	7	22
## 25.14	0	0	0	0	20	7	22
## 26.13	0	0	0	0	20	7	22
## 27.12	0	0	0	0	20	7	22
## 28.11	0	0	0	0	20	7	22
## 29.10	0	0	0	0	20	7	22
## 30.9	0	0	0	0	20	7	22
## 31.8	0	0	0	0	20	7	22
## 32.7	0	0	0	0	20	7	22
## 33.6	0	0	0	0	20	7	22
## 34.5	0	0	0	0	20	7	22
## 35.4	0	0	0	0	20	7	22
## 36.3	0	0	0	0	20	7	22
## 37.2	0	0	0	0	20	7	22
## 38.1	0	0	0	0	20	7	22
## 39	0	0	0	0	20	7	22
## 17.21	0	0	0	0	20	7	22
## 18.20	0	0	0	0	20	7	22
## 21.19	0	0	0	0	20	7	22
## 22.18	0	0	0	0	20	7	22
## 23.17	0	0	0	0	20	7	22
## 24.16	0	0	0	0	20	7	22
## 25.15	0	0	0	0	20	7	22
## 26.14	0	0	0	0	20	7	22
## 27.13	0	0	0	0	20	7	22
## 28.12	0	0	0	0	20	7	22
## 29.11	0	0	0	0	20	7	22
## 30.10	0	0	0	0	20	7	22
## 31.9	0	0	0	0	20	7	22
## 32.8	0	0	0	0	20	7	22
## 33.7	0	0	0	0	20	7	22
## 34.6	0	0	0	0	20	7	22
## 35.5	0	0	0	0	20	7	22
## 36.4	0	0	0	0	20	7	22
## 37.3	0	0	0	0	20	7	22
## 38.2	0	0	0	0	20	7	22
## 39.1	0	0	0	0	20	7	22
## 41	0	0	0	0	20	7	22
## 10	0	0	0	0	0	7	13
## 50	0	20	0	0	0	7	18
## 51	0	0	0	0	20	7	18
## 58	0	20	0	0	0	7	17
## 44	0	0	0	0	60	7	19
## 49	0	0	0	100	0	7	22
## 9	0	0	0	0	100	7	28
## 58.1	0	20	0	0	0	7	17
## 59	0	20	0	0	0	7	17
## 74	0	0	0	0	0	7	22

## 76	0	0	0	0	60	7	13
## 88	0	0	0	0	0	7	18
## 83	0	0	0	0	0	7	21
## 89	0	0	0	0	0	7	20
## 79	0	0	0	0	20	7	24
## 76.1	0	0	0	0	60	7	13
## 77	0	0	0	0	60	7	13
## 73	0	0	0	0	60	7	19
## 72	0	0	0	0	40	7	7
## 71	0	0	0	0	40	7	18
## 96	0	0	0	0	20	7	23
## 74.1	0	0	0	0	0	7	22
## 75	0	0	0	0	0	7	22
## 104	0	40	0	0	60	7	5
## 119	40	0	20	0	0	7	6
## 129	100	0	0	0	0	3	2
## 128	60	0	0	0	40	3	12
## 122	80	0	0	0	20	3	9
## 142	0	0	0	0	60	7	27
## 150	0	0	0	0	40	7	10
## 121	0	0	0	0	80	7	10
## 167	0	0	0	0	20	7	23
## 121.1	0	0	0	0	80	7	10
## 154	0	0	0	0	80	7	10
## 142.1	0	0	0	0	60	7	27
## 146	0	0	0	0	60	7	27
## 119.1	40	0	20	0	0	7	6
## 120	40	0	20	0	0	7	6
## 177	0	0	0	0	0	7	19
## 174	0	0	0	0	100	7	8
## 175	0	0	0	0	60	7	5
## 176	20	40	0	0	40	7	6
## 135	0	0	0	0	60	3	48
## 169	0	0	0	0	60	7	24
## 196	0	40	40	0	0	7	6
## 196.1	0	40	40	0	0	7	6
## 197	0	40	40	0	0	7	6
## 196.2	0	40	40	0	0	7	6
## 197.1	0	40	40	0	0	7	6
## 198	0	40	40	0	0	7	6
## 196.3	0	40	40	0	0	7	6
## 197.2	0	40	40	0	0	7	6
## 198.1	0	40	40	0	0	7	6
## 199	0	40	40	0	0	7	6
## 196.4	0	40	40	0	0	7	6
## 197.3	0	40	40	0	0	7	6
## 198.2	0	40	40	0	0	7	6
## 199.1	0	40	40	0	0	7	6
## 200	0	40	40	0	0	7	6
## 195	0	0	0	0	20	7	5
## 206	0	0	0	100	0	3	23
## 208	20	0	0	0	0	3	19
## 213	20	0	0	0	0	3	20
## 213.1	20	0	0	0	0	3	20

## 214	20	0	0	0	0	3	20
## 213.2	20	0	0	0	0	3	20
## 214.1	20	0	0	0	0	3	20
## 215	20	0	0	0	0	3	20
## 217	40	0	0	0	0	3	17
## 217.1	40	0	0	0	0	3	17
## 218	40	0	0	0	0	3	17
## 231	80	0	0	0	0	3	12
## 242	40	0	0	0	40	3	6
## 250	60	0	20	0	20	3	25
## 223	80	0	0	0	0	3	10
## 238	0	0	0	0	60	7	6
## 246	0	0	0	0	0	3	16
## 246.1	0	0	0	0	0	3	16
## 260	0	0	0	0	0	3	16
## 282	80	0	0	0	0	3	10
## 284	0	20	0	0	0	7	7
## 196.5	0	40	40	0	0	7	6
## 197.4	0	40	40	0	0	7	6
## 198.3	0	40	40	0	0	7	6
## 199.2	0	40	40	0	0	7	6
## 200.1	0	40	40	0	0	7	6
## 201	0	40	40	0	0	7	6
## 195.1	0	0	0	0	20	7	5
## 202	0	0	0	0	20	7	5
## 238.1	0	0	0	0	60	7	6
## 254	0	0	0	0	60	7	6
## 296	0	0	0	0	60	7	16
## 237	0	0	0	0	0	7	19
## 296.1	0	0	0	0	60	7	16
## 297	0	0	0	0	60	7	16
## 275	100	0	0	0	0	3	8
## 296.2	0	0	0	0	60	7	16
## 297.1	0	0	0	0	60	7	16
## 299	0	0	0	0	60	7	16
## 237.1	0	0	0	0	0	7	19
## 298	0	0	0	0	0	7	19
## 292	0	60	0	0	0	7	4
## 195.2	0	0	0	0	20	7	5
## 202.1	0	0	0	0	20	7	5
## 293	0	0	0	0	20	7	5
## 317	0	0	0	0	60	7	18
## 316	40	0	0	0	60	7	10
## 322	0	0	0	0	100	3	16
## 324	20	0	0	0	0	3	20
## 329	20	0	0	0	60	3	13
## 337	0	0	60	0	40	3	9
## 355	60	0	0	0	0	3	18
## 322.1	0	0	0	0	100	3	16
## 323	0	0	0	0	100	3	16
## 320	0	0	0	0	60	6	20
## 317.1	0	0	0	0	60	7	18
## 318	0	0	0	0	60	7	18
## 319	0	0	0	0	40	6	18

## 317.2	0	0	0	0	60	7	18
## 318.1	0	0	0	0	60	7	18
## 375	0	0	0	0	60	7	18
## 393	0	0	20	0	0	3	9
## 316.1	40	0	0	0	60	7	10
## 321	40	0	0	0	60	7	10
## 381	0	0	0	0	60	6	18
## 399	0	0	0	0	100	7	18
## 399.1	0	0	0	0	100	7	18
## 400	0	0	0	0	100	7	18
## 402	40	0	20	0	40	3	12
## 408	0	0	60	0	40	3	7
## 408.1	0	0	60	0	40	3	7
## 409	0	0	60	0	40	3	7
## 417	20	0	0	0	40	3	5
## 411	0	0	0	0	60	3	6
## 408.2	0	0	60	0	40	3	7
## 409.1	0	0	60	0	40	3	7
## 410	0	0	60	0	40	3	7
## 431	20	0	20	0	20	3	6
## 435	20	0	20	0	40	3	7
## 433	0	0	20	0	60	3	8
## 427	60	0	20	0	0	3	6
## 447	0	0	0	0	0	3	21
## 449	20	0	0	0	0	3	21
## 465	80	0	0	0	20	3	5
## 470	0	0	40	0	0	3	20
## 460	0	0	40	0	60	3	7
## 479	20	0	0	0	80	3	7
## 402.1	40	0	20	0	40	3	12
## 403	40	0	20	0	40	3	12
## 502	0	0	0	0	40	3	17
## 502.1	0	0	0	0	40	3	17
## 503	0	0	0	0	40	3	17
## 497	0	0	0	0	0	6	16
## 514	0	0	20	0	40	3	11
## 507	0	0	0	0	40	6	6
## 399.2	0	0	0	0	100	7	18
## 400.1	0	0	0	0	100	7	18
## 401	0	0	0	0	100	7	18
## 497.1	0	0	0	0	0	6	16
## 508	0	0	0	0	0	6	16
## 495	0	0	0	0	0	6	6
## 572	0	0	0	0	0	5	31
## 574	0	0	0	0	0	5	27
## 574.1	0	0	0	0	0	5	27
## 575	0	0	0	0	0	5	27
## 579	0	0	0	0	0	5	19
## 579.1	0	0	0	0	0	5	19
## 582	0	0	0	0	0	5	19
## 586	0	0	0	0	0	5	28
## 572.1	0	0	0	0	0	5	31
## 573	0	0	0	0	0	5	31
## 599	0	0	0	0	0	7	36

## 612	20	0	20	0	60	3	11
## 617	0	0	0	0	0	6	7
## 616	0	0	0	0	80	3	13
## 641	0	0	0	0	20	3	10
## 662	60	0	0	0	40	3	8
## 668	0	0	0	0	0	3	42
## 678	0	0	0	0	40	6	17
## 677	0	0	0	0	100	7	7
## 647	0	0	0	0	80	7	17
## 700	0	0	40	0	40	7	8
## 704	0	0	0	0	0	5	28
## 709	0	0	0	0	0	7	37
## 732	0	0	0	0	0	7	40
## 806	0	0	0	0	40	5	27
## 700.1	0	0	40	0	40	7	8
## 701	0	0	40	0	40	7	8
## 851	0	0	0	0	40	3	27
## 859	0	0	40	0	60	7	7
## 887	0	0	0	0	0	5	35
## 894	0	0	0	0	0	5	22
## 896	0	0	0	0	0	5	32
## 899	0	0	0	0	0	7	35
## 901	0	0	0	0	0	7	39
## 910	0	0	0	0	0	7	37
## 894.1	0	0	0	0	0	5	22
## 900	0	0	0	0	0	5	22
## 917	0	0	0	0	0	7	43
## 926	0	0	0	0	0	7	37
## 892	0	0	0	0	0	7	44
## 945	0	0	0	0	0	5	43
## 937	0	0	0	0	0	5	39
## 908	0	0	0	0	0	5	41
## 958	0	0	0	0	0	7	43
## 971	0	0	0	0	0	7	35
## 985	0	0	0	0	40	3	22
## 1019	60	0	40	0	0	3	8
## 1039	0	0	0	0	0	3	29
## 1017	40	0	0	0	0	3	15
## 1097	0	0	40	0	0	6	10
## 1135	0	0	0	0	60	5	28
## 1135.1	0	0	0	0	60	5	28
## 1136	0	0	0	0	60	5	28
## 1139	20	0	0	0	0	3	16
## 1139.1	20	0	0	0	0	3	16
## 1140	20	0	0	0	0	3	16
## 1145	0	0	0	0	0	5	25
## 1143	0	0	0	0	0	5	28
## 1145.1	0	0	0	0	0	5	25
## 1146	0	0	0	0	0	5	25
## 1138	0	0	0	0	0	5	26
## 1167	0	0	0	0	0	3	29
## 1173	0	0	0	0	0	3	22
## 1175	0	0	0	0	0	5	40
## 1178	0	0	0	0	0	5	38

## 1217	0	0	0	0	60	7	17
## 1211	0	0	40	0	40	6	6
## 1131	60	0	20	0	20	3	6
## 1250	0	0	0	0	100	7	17
## 1253	0	0	0	0	100	7	16
## 1268	40	0	0	0	60	3	7
## 1248	0	0	0	0	40	7	7
## 1249	60	0	0	0	40	6	7
## 1216	0	0	0	0	40	7	7
## 1216.1	0	0	0	0	40	7	7
## 1280	0	0	0	0	40	7	7
## 1266	0	0	0	0	80	3	8
## 1293	0	0	0	0	0	5	28
## 1295	0	0	0	0	0	3	35
## 1295.1	0	0	0	0	0	3	35
## 1296	0	0	0	0	0	3	35
## 1305	0	0	0	0	0	5	33
## 1308	0	0	0	0	0	3	23
## 1308.1	0	0	0	0	0	3	23
## 1309	0	0	0	0	0	3	23
## 1311	0	0	0	0	0	3	24
## 1315	0	0	0	0	0	3	21
## 1315.1	0	0	0	0	0	3	21
## 1316	0	0	0	0	0	3	21
## 1318	0	0	0	0	0	5	31
## 1320	0	0	0	0	20	5	32
## 1315.2	0	0	0	0	0	3	21
## 1316.1	0	0	0	0	0	3	21
## 1317	0	0	0	0	0	3	21
## 1327	0	0	0	0	0	3	29
## 1341	40	0	0	0	0	5	19
## 1345	0	0	0	0	0	5	22
## 1350	0	0	0	0	60	5	12
## 1408	0	0	0	0	60	3	15
## 1438	0	0	0	0	20	7	8
## 1443	0	0	0	0	80	7	10
## 1443.1	0	0	0	0	80	7	10
## 1444	0	0	0	0	80	7	10
## 1290	0	0	0	0	20	6	6
## 1465	0	0	0	0	20	6	7
## 1474	0	0	0	0	60	3	10
## 1474.1	0	0	0	0	60	3	10
## 1475	0	0	0	0	60	3	10
## 1485	80	0	0	0	20	3	13
## 1503	0	0	20	0	40	6	6
## 1506	0	0	80	0	20	6	6
## 1509	0	0	0	0	100	3	18
## 1533	0	0	0	0	40	5	31
## 1533.1	0	0	0	0	40	5	31
## 1534	0	0	0	0	40	5	31
## 1533.2	0	0	0	0	40	5	31
## 1534.1	0	0	0	0	40	5	31
## 1537	0	0	0	0	40	5	31
## 1533.3	0	0	0	0	40	5	31

## 1534.2	0	0	0	0	40	5	31
## 1537.1	0	0	0	0	40	5	31
## 1539	0	0	0	0	40	5	31
## 1545	0	0	0	0	80	5	16
## 1545.1	0	0	0	0	80	5	16
## 1546	0	0	0	0	80	5	16
## 1548	0	0	0	0	20	5	32
## 1552	0	0	0	0	0	3	30
## 1552.1	0	0	0	0	0	3	30
## 1557	0	0	0	0	0	3	30
## 1571	0	0	0	0	40	6	21
## 1580	0	0	0	0	0	3	30
## 1570	0	0	0	0	60	6	22
## 1584	0	0	0	0	0	3	29
## 1584.1	0	0	0	0	0	3	29
## 1606	0	0	0	0	0	3	29
## 1609	0	0	0	0	100	6	20
## 1612	0	0	0	0	20	3	21
## 1624	0	0	0	0	0	3	23
## 1629	0	40	0	0	0	3	22
## 1631	0	0	0	0	0	3	27
## 1642	0	0	0	0	60	7	38
## 1663	0	0	0	0	20	7	35
## 1702	60	0	0	0	20	3	21
## 1700	0	0	0	0	80	3	21
## 1719	0	0	0	0	40	6	18
## 1719.1	0	0	0	0	40	6	18
## 1720	0	0	0	0	40	6	18
## 1731	0	0	0	0	60	6	7
## 1742	20	20	60	0	0	6	7
## 1698	0	0	40	0	40	7	7
## 1749	40	0	20	0	20	7	7
## 1741	0	0	0	0	0	6	6
## 1768	0	0	20	0	60	3	19
## 1807	0	0	0	0	80	7	7
## 1771	0	0	0	0	80	7	7
## 1814	0	0	0	0	0	3	42
## 1830	0	0	0	0	0	3	27
## 1848	0	0	0	0	20	5	20
## 1853	0	0	0	0	20	3	29
## 1863	0	0	0	0	0	3	29
## 1862	0	40	0	0	0	3	24
## 1862.1	0	40	0	0	0	3	24
## 1867	0	40	0	0	0	3	24
## 1865	0	0	0	0	0	3	14
## 1862.2	0	40	0	0	0	3	24
## 1867.1	0	40	0	0	0	3	24
## 1868	0	40	0	0	0	3	24
## 1862.3	0	40	0	0	0	3	24
## 1867.2	0	40	0	0	0	3	24
## 1868.1	0	40	0	0	0	3	24
## 1872	0	40	0	0	0	3	24
## 1879	0	0	0	0	0	5	41
## 1911	0	0	40	0	20	7	7



## 1952	0	40	60	0	0	7	7
## 1954	60	0	0	0	40	7	7
## 1973	80	0	20	0	0	3	9
## 1989	0	0	0	0	0	3	26
## 1994	0	0	0	0	100	3	12
## 1996	20	0	0	0	80	3	12
## 1998	0	0	0	0	0	3	39
## 1998.1	0	0	0	0	0	3	39
## 1999	0	0	0	0	0	3	39
## 2001	40	0	0	0	60	3	15
## 2021	60	0	0	0	0	3	16
## 2015	40	0	20	0	20	3	16
## 2029	0	0	0	0	100	5	25
## 2034	0	0	0	0	20	5	15
## 2039	0	0	0	0	0	3	21
## 2045	0	0	0	0	0	3	12
## 2064	0	0	0	0	0	3	30
## 2062	0	0	0	0	0	3	26
## 2069	0	0	0	0	0	3	29
## 2064.1	0	0	0	0	0	3	30
## 2070	0	0	0	0	0	3	30
## 2101	0	0	0	0	40	7	5
## 2110	0	0	60	0	40	7	6
## 2113	0	0	0	0	0	7	23
## 2131	0	0	80	0	0	7	16
## 2131.1	0	0	80	0	0	7	16
## 2132	0	0	80	0	0	7	16
## 2135	0	0	40	0	60	6	13
## 2145	0	0	40	0	20	7	8
## 2153	0	0	40	0	20	7	6
## 2162	100	0	0	0	0	3	5
## 2162.1	100	0	0	0	0	3	5
## 2163	100	0	0	0	0	3	5
## 2168	40	0	0	0	60	3	14
## 2168.1	40	0	0	0	60	3	14
## 2169	40	0	0	0	60	3	14
## 2179	0	0	0	0	100	3	9
## 2178	0	0	0	0	100	3	14
## 2182	0	0	20	0	80	3	14
## 2162.2	100	0	0	0	0	3	5
## 2163.1	100	0	0	0	0	3	5
## 2164	100	0	0	0	0	3	5
## 2187	0	0	0	0	100	3	15
## 2162.3	100	0	0	0	0	3	5
## 2163.2	100	0	0	0	0	3	5
## 2164.1	100	0	0	0	0	3	5
## 2184	100	0	0	0	0	3	5
## 2174	0	0	0	0	100	3	8
## 2179.1	0	0	0	0	100	3	9
## 2180	0	0	0	0	100	3	9
## 2212	0	0	0	100	0	3	5
## 2229	100	0	0	0	0	3	11
## 2229.1	100	0	0	0	0	3	11
## 2230	100	0	0	0	0	3	11

## 2237	60	0	20	0	20	3	5
## 2247	0	0	0	0	0	6	8
## 2252	20	0	0	0	60	5	21
## 2275	0	0	0	0	20	3	32
## 2282	0	0	0	0	60	5	39
## 2273	0	0	0	0	80	5	38
## 2273.1	0	0	0	0	80	5	38
## 2285	0	0	0	0	80	5	38
## 2287	0	0	0	0	0	5	28
## 2292	0	0	0	0	0	3	32
## 2297	0	0	0	0	0	3	25
## 2300	0	0	0	0	0	3	29
## 2302	0	0	0	0	100	5	34
## 2308	0	0	0	0	40	5	32
## 2308.1	0	0	0	0	40	5	32
## 2309	0	0	0	0	40	5	32
## 2323	0	0	0	0	0	7	37
## 2339	0	0	0	0	0	7	30
## 2357	0	0	40	0	0	7	6
## 2360	0	0	80	0	0	7	6
## 2349	0	0	0	0	40	7	6
## 2367	0	0	60	0	0	7	9
## 2366	0	0	80	0	0	7	5
## 2380	0	0	40	0	20	7	8
## 2418	0	0	40	0	60	7	7
## 2433	0	0	40	0	40	7	7
## 2442	0	0	100	0	0	7	6
## 2450	0	0	0	0	100	7	6
## 2463	60	0	0	0	20	3	8
## 2480	0	0	0	100	0	3	5
## 2493	80	0	0	0	0	3	5
## 2504	20	0	0	0	80	3	7
## 2508	80	0	20	0	0	3	5
## 2512	0	0	0	0	100	3	7
## 2525	0	0	0	0	20	5	14
## 2533	0	0	0	100	0	5	14
## 2541	0	0	0	0	0	5	45
## 2548	0	0	0	0	0	5	42
## 2556	0	0	0	0	0	5	32
## 2568	0	0	0	0	20	5	45
## 2574	0	0	0	0	0	7	40
## 2573	0	0	0	0	0	7	37
## 2574.1	0	0	0	0	0	7	40
## 2575	0	0	0	0	0	7	40
## 2585	0	0	0	0	0	7	39
## 2574.2	0	0	0	0	0	7	40
## 2575.1	0	0	0	0	0	7	40
## 2579	0	0	0	0	0	7	40
## 2574.3	0	0	0	0	0	7	40
## 2575.2	0	0	0	0	0	7	40
## 2579.1	0	0	0	0	0	7	40
## 2591	0	0	0	0	0	7	40
## 2574.4	0	0	0	0	0	7	40
##	lasmod3a	opisre3a	px1wcl3a	px2wcl3a	px3wcl3a	px4wcl3a	slpsrt3a

## 3	11	1570	192	299	294	156	2
## 3.1	11	1570	192	299	294	156	2
## 4	11	1570	192	299	294	156	2
## 2	7	1560	171	264	259	149	2
## 11	23	1566	163	266	219	131	1
## 11.1	23	1566	163	266	219	131	1
## 12	23	1566	163	266	219	131	1
## 11.2	23	1566	163	266	219	131	1
## 12.1	23	1566	163	266	219	131	1
## 13	23	1566	163	266	219	131	1
## 11.3	23	1566	163	266	219	131	1
## 12.2	23	1566	163	266	219	131	1
## 13.1	23	1566	163	266	219	131	1
## 14	23	1566	163	266	219	131	1
## 11.4	23	1566	163	266	219	131	1
## 12.3	23	1566	163	266	219	131	1
## 13.2	23	1566	163	266	219	131	1
## 14.1	23	1566	163	266	219	131	1
## 15	23	1566	163	266	219	131	1
## 17	23	1566	170	274	223	129	2
## 11.5	23	1566	163	266	219	131	1
## 12.4	23	1566	163	266	219	131	1
## 13.3	23	1566	163	266	219	131	1
## 14.2	23	1566	163	266	219	131	1
## 15.1	23	1566	163	266	219	131	1
## 16	23	1566	163	266	219	131	1
## 17.1	23	1566	170	274	223	129	2
## 18	23	1566	170	274	223	129	2
## 17.2	23	1566	170	274	223	129	2
## 18.1	23	1566	170	274	223	129	2
## 21	23	1566	170	274	223	129	2
## 17.3	23	1566	170	274	223	129	2
## 18.2	23	1566	170	274	223	129	2
## 21.1	23	1566	170	274	223	129	2
## 22	23	1566	170	274	223	129	2
## 17.4	23	1566	170	274	223	129	2
## 18.3	23	1566	170	274	223	129	2
## 21.2	23	1566	170	274	223	129	2
## 22.1	23	1566	170	274	223	129	2
## 23	23	1566	170	274	223	129	2
## 17.5	23	1566	170	274	223	129	2
## 18.4	23	1566	170	274	223	129	2
## 21.3	23	1566	170	274	223	129	2
## 22.2	23	1566	170	274	223	129	2
## 23.1	23	1566	170	274	223	129	2
## 24	23	1566	170	274	223	129	2
## 17.6	23	1566	170	274	223	129	2
## 18.5	23	1566	170	274	223	129	2
## 21.4	23	1566	170	274	223	129	2
## 22.3	23	1566	170	274	223	129	2
## 23.2	23	1566	170	274	223	129	2
## 24.1	23	1566	170	274	223	129	2
## 25	23	1566	170	274	223	129	2
## 17.7	23	1566	170	274	223	129	2

## 18.6	23	1566	170	274	223	129	2
## 21.5	23	1566	170	274	223	129	2
## 22.4	23	1566	170	274	223	129	2
## 23.3	23	1566	170	274	223	129	2
## 24.2	23	1566	170	274	223	129	2
## 25.1	23	1566	170	274	223	129	2
## 26	23	1566	170	274	223	129	2
## 17.8	23	1566	170	274	223	129	2
## 18.7	23	1566	170	274	223	129	2
## 21.6	23	1566	170	274	223	129	2
## 22.5	23	1566	170	274	223	129	2
## 23.4	23	1566	170	274	223	129	2
## 24.3	23	1566	170	274	223	129	2
## 25.2	23	1566	170	274	223	129	2
## 26.1	23	1566	170	274	223	129	2
## 27	23	1566	170	274	223	129	2
## 17.9	23	1566	170	274	223	129	2
## 18.8	23	1566	170	274	223	129	2
## 21.7	23	1566	170	274	223	129	2
## 22.6	23	1566	170	274	223	129	2
## 23.5	23	1566	170	274	223	129	2
## 24.4	23	1566	170	274	223	129	2
## 25.3	23	1566	170	274	223	129	2
## 26.2	23	1566	170	274	223	129	2
## 27.1	23	1566	170	274	223	129	2
## 28	23	1566	170	274	223	129	2
## 17.10	23	1566	170	274	223	129	2
## 18.9	23	1566	170	274	223	129	2
## 21.8	23	1566	170	274	223	129	2
## 22.7	23	1566	170	274	223	129	2
## 23.6	23	1566	170	274	223	129	2
## 24.5	23	1566	170	274	223	129	2
## 25.4	23	1566	170	274	223	129	2
## 26.3	23	1566	170	274	223	129	2
## 27.2	23	1566	170	274	223	129	2
## 28.1	23	1566	170	274	223	129	2
## 29	23	1566	170	274	223	129	2
## 17.11	23	1566	170	274	223	129	2
## 18.10	23	1566	170	274	223	129	2
## 21.9	23	1566	170	274	223	129	2
## 22.8	23	1566	170	274	223	129	2
## 23.7	23	1566	170	274	223	129	2
## 24.6	23	1566	170	274	223	129	2
## 25.5	23	1566	170	274	223	129	2
## 26.4	23	1566	170	274	223	129	2
## 27.3	23	1566	170	274	223	129	2
## 28.2	23	1566	170	274	223	129	2
## 29.1	23	1566	170	274	223	129	2
## 30	23	1566	170	274	223	129	2
## 17.12	23	1566	170	274	223	129	2
## 18.11	23	1566	170	274	223	129	2
## 21.10	23	1566	170	274	223	129	2
## 22.9	23	1566	170	274	223	129	2
## 23.8	23	1566	170	274	223	129	2

## 24.7	23	1566	170	274	223	129	2
## 25.6	23	1566	170	274	223	129	2
## 26.5	23	1566	170	274	223	129	2
## 27.4	23	1566	170	274	223	129	2
## 28.3	23	1566	170	274	223	129	2
## 29.2	23	1566	170	274	223	129	2
## 30.1	23	1566	170	274	223	129	2
## 31	23	1566	170	274	223	129	2
## 17.13	23	1566	170	274	223	129	2
## 18.12	23	1566	170	274	223	129	2
## 21.11	23	1566	170	274	223	129	2
## 22.10	23	1566	170	274	223	129	2
## 23.9	23	1566	170	274	223	129	2
## 24.8	23	1566	170	274	223	129	2
## 25.7	23	1566	170	274	223	129	2
## 26.6	23	1566	170	274	223	129	2
## 27.5	23	1566	170	274	223	129	2
## 28.4	23	1566	170	274	223	129	2
## 29.3	23	1566	170	274	223	129	2
## 30.2	23	1566	170	274	223	129	2
## 31.1	23	1566	170	274	223	129	2
## 32	23	1566	170	274	223	129	2
## 17.14	23	1566	170	274	223	129	2
## 18.13	23	1566	170	274	223	129	2
## 21.12	23	1566	170	274	223	129	2
## 22.11	23	1566	170	274	223	129	2
## 23.10	23	1566	170	274	223	129	2
## 24.9	23	1566	170	274	223	129	2
## 25.8	23	1566	170	274	223	129	2
## 26.7	23	1566	170	274	223	129	2
## 27.6	23	1566	170	274	223	129	2
## 28.5	23	1566	170	274	223	129	2
## 29.4	23	1566	170	274	223	129	2
## 30.3	23	1566	170	274	223	129	2
## 31.2	23	1566	170	274	223	129	2
## 32.1	23	1566	170	274	223	129	2
## 33	23	1566	170	274	223	129	2
## 17.15	23	1566	170	274	223	129	2
## 18.14	23	1566	170	274	223	129	2
## 21.13	23	1566	170	274	223	129	2
## 22.12	23	1566	170	274	223	129	2
## 23.11	23	1566	170	274	223	129	2
## 24.10	23	1566	170	274	223	129	2
## 25.9	23	1566	170	274	223	129	2
## 26.8	23	1566	170	274	223	129	2
## 27.7	23	1566	170	274	223	129	2
## 28.6	23	1566	170	274	223	129	2
## 29.5	23	1566	170	274	223	129	2
## 30.4	23	1566	170	274	223	129	2
## 31.3	23	1566	170	274	223	129	2
## 32.2	23	1566	170	274	223	129	2
## 33.1	23	1566	170	274	223	129	2
## 34	23	1566	170	274	223	129	2
## 17.16	23	1566	170	274	223	129	2

## 18.15	23	1566	170	274	223	129	2
## 21.14	23	1566	170	274	223	129	2
## 22.13	23	1566	170	274	223	129	2
## 23.12	23	1566	170	274	223	129	2
## 24.11	23	1566	170	274	223	129	2
## 25.10	23	1566	170	274	223	129	2
## 26.9	23	1566	170	274	223	129	2
## 27.8	23	1566	170	274	223	129	2
## 28.7	23	1566	170	274	223	129	2
## 29.6	23	1566	170	274	223	129	2
## 30.5	23	1566	170	274	223	129	2
## 31.4	23	1566	170	274	223	129	2
## 32.3	23	1566	170	274	223	129	2
## 33.2	23	1566	170	274	223	129	2
## 34.1	23	1566	170	274	223	129	2
## 35	23	1566	170	274	223	129	2
## 17.17	23	1566	170	274	223	129	2
## 18.16	23	1566	170	274	223	129	2
## 21.15	23	1566	170	274	223	129	2
## 22.14	23	1566	170	274	223	129	2
## 23.13	23	1566	170	274	223	129	2
## 24.12	23	1566	170	274	223	129	2
## 25.11	23	1566	170	274	223	129	2
## 26.10	23	1566	170	274	223	129	2
## 27.9	23	1566	170	274	223	129	2
## 28.8	23	1566	170	274	223	129	2
## 29.7	23	1566	170	274	223	129	2
## 30.6	23	1566	170	274	223	129	2
## 31.5	23	1566	170	274	223	129	2
## 32.4	23	1566	170	274	223	129	2
## 33.3	23	1566	170	274	223	129	2
## 34.2	23	1566	170	274	223	129	2
## 35.1	23	1566	170	274	223	129	2
## 36	23	1566	170	274	223	129	2
## 17.18	23	1566	170	274	223	129	2
## 18.17	23	1566	170	274	223	129	2
## 21.16	23	1566	170	274	223	129	2
## 22.15	23	1566	170	274	223	129	2
## 23.14	23	1566	170	274	223	129	2
## 24.13	23	1566	170	274	223	129	2
## 25.12	23	1566	170	274	223	129	2
## 26.11	23	1566	170	274	223	129	2
## 27.10	23	1566	170	274	223	129	2
## 28.9	23	1566	170	274	223	129	2
## 29.8	23	1566	170	274	223	129	2
## 30.7	23	1566	170	274	223	129	2
## 31.6	23	1566	170	274	223	129	2
## 32.5	23	1566	170	274	223	129	2
## 33.4	23	1566	170	274	223	129	2
## 34.3	23	1566	170	274	223	129	2
## 35.2	23	1566	170	274	223	129	2
## 36.1	23	1566	170	274	223	129	2
## 37	23	1566	170	274	223	129	2
## 17.19	23	1566	170	274	223	129	2

## 18.18	23	1566	170	274	223	129	2
## 21.17	23	1566	170	274	223	129	2
## 22.16	23	1566	170	274	223	129	2
## 23.15	23	1566	170	274	223	129	2
## 24.14	23	1566	170	274	223	129	2
## 25.13	23	1566	170	274	223	129	2
## 26.12	23	1566	170	274	223	129	2
## 27.11	23	1566	170	274	223	129	2
## 28.10	23	1566	170	274	223	129	2
## 29.9	23	1566	170	274	223	129	2
## 30.8	23	1566	170	274	223	129	2
## 31.7	23	1566	170	274	223	129	2
## 32.6	23	1566	170	274	223	129	2
## 33.5	23	1566	170	274	223	129	2
## 34.4	23	1566	170	274	223	129	2
## 35.3	23	1566	170	274	223	129	2
## 36.2	23	1566	170	274	223	129	2
## 37.1	23	1566	170	274	223	129	2
## 38	23	1566	170	274	223	129	2
## 17.20	23	1566	170	274	223	129	2
## 18.19	23	1566	170	274	223	129	2
## 21.18	23	1566	170	274	223	129	2
## 22.17	23	1566	170	274	223	129	2
## 23.16	23	1566	170	274	223	129	2
## 24.15	23	1566	170	274	223	129	2
## 25.14	23	1566	170	274	223	129	2
## 26.13	23	1566	170	274	223	129	2
## 27.12	23	1566	170	274	223	129	2
## 28.11	23	1566	170	274	223	129	2
## 29.10	23	1566	170	274	223	129	2
## 30.9	23	1566	170	274	223	129	2
## 31.8	23	1566	170	274	223	129	2
## 32.7	23	1566	170	274	223	129	2
## 33.6	23	1566	170	274	223	129	2
## 34.5	23	1566	170	274	223	129	2
## 35.4	23	1566	170	274	223	129	2
## 36.3	23	1566	170	274	223	129	2
## 37.2	23	1566	170	274	223	129	2
## 38.1	23	1566	170	274	223	129	2
## 39	23	1566	170	274	223	129	2
## 17.21	23	1566	170	274	223	129	2
## 18.20	23	1566	170	274	223	129	2
## 21.19	23	1566	170	274	223	129	2
## 22.18	23	1566	170	274	223	129	2
## 23.17	23	1566	170	274	223	129	2
## 24.16	23	1566	170	274	223	129	2
## 25.15	23	1566	170	274	223	129	2
## 26.14	23	1566	170	274	223	129	2
## 27.13	23	1566	170	274	223	129	2
## 28.12	23	1566	170	274	223	129	2
## 29.11	23	1566	170	274	223	129	2
## 30.10	23	1566	170	274	223	129	2
## 31.9	23	1566	170	274	223	129	2
## 32.8	23	1566	170	274	223	129	2

## 33.7	23	1566	170	274	223	129	2
## 34.6	23	1566	170	274	223	129	2
## 35.5	23	1566	170	274	223	129	2
## 36.4	23	1566	170	274	223	129	2
## 37.3	23	1566	170	274	223	129	2
## 38.2	23	1566	170	274	223	129	2
## 39.1	23	1566	170	274	223	129	2
## 41	23	1566	170	274	223	129	2
## 10	14	1563	165	264	248	143	1
## 50	21	1565	203	286	266	174	2
## 51	20	1566	193	279	264	168	5
## 58	21	1552	186	271	262	164	14
## 44	23	1569	160	272	232	128	1
## 49	23	1567	165	269	228	136	1
## 9	24	1567	151	243	186	96	1
## 58.1	21	1552	186	271	262	164	14
## 59	21	1552	186	271	262	164	14
## 74	23	1561	182	276	208	122	5
## 76	11	1564	183	290	246	156	2
## 88	21	1565	201	306	265	176	10
## 83	23	1563	193	297	257	169	4
## 89	21	1565	207	318	272	177	6
## 79	23	1564	196	303	252	159	5
## 76.1	11	1564	183	290	246	156	2
## 77	11	1564	183	290	246	156	2
## 73	21	1557	203	304	262	180	3
## 72	6	1564	213	314	268	185	6
## 71	21	1562	195	298	259	173	4
## 96	23	1563	176	273	242	154	2
## 74.1	23	1561	182	276	208	122	5
## 75	23	1561	182	276	208	122	5
## 104	3	1552	67	125	51	19	5
## 119	6	1552	105	212	118	49	6
## 129	2	1551	133	153	137	113	60
## 128	9	1543	97	95	62	69	4
## 122	6	1537	99	97	59	68	10
## 142	26	1541	86	145	64	21	12
## 150	8	1550	159	244	135	63	1
## 121	6	1532	123	198	119	57	1
## 167	24	1538	136	222	137	69	7
## 121.1	6	1532	123	198	119	57	1
## 154	6	1532	123	198	119	57	1
## 142.1	26	1541	86	145	64	21	12
## 146	26	1541	86	145	64	21	12
## 119.1	6	1552	105	212	118	49	6
## 120	6	1552	105	212	118	49	6
## 177	22	1562	214	313	258	183	5
## 174	6	1525	101	189	104	45	11
## 175	7	1562	106	208	107	43	4
## 176	5	1550	83	172	88	35	15
## 135	23	1476	285	300	212	215	17
## 169	24	1546	149	224	139	69	5
## 196	7	1537	102	205	103	39	10
## 196.1	7	1537	102	205	103	39	10



## 197	7	1537	102	205	103	39	10
## 196.2	7	1537	102	205	103	39	10
## 197.1	7	1537	102	205	103	39	10
## 198	7	1537	102	205	103	39	10
## 196.3	7	1537	102	205	103	39	10
## 197.2	7	1537	102	205	103	39	10
## 198.1	7	1537	102	205	103	39	10
## 199	7	1537	102	205	103	39	10
## 196.4	7	1537	102	205	103	39	10
## 197.3	7	1537	102	205	103	39	10
## 198.2	7	1537	102	205	103	39	10
## 199.1	7	1537	102	205	103	39	10
## 200	7	1537	102	205	103	39	10
## 195	6	1558	109	220	120	49	6
## 206	23	1474	93	108	96	81	53
## 208	20	1517	92	106	93	78	36
## 213	22	1484	95	114	103	89	39
## 213.1	22	1484	95	114	103	89	39
## 214	22	1484	95	114	103	89	39
## 213.2	22	1484	95	114	103	89	39
## 214.1	22	1484	95	114	103	89	39
## 215	22	1484	95	114	103	89	39
## 217	20	1496	94	111	106	86	60
## 217.1	20	1496	94	111	106	86	60
## 218	20	1496	94	111	106	86	60
## 231	10	1504	95	103	51	57	30
## 242	4	1567	104	115	88	78	10
## 250	22	1532	95	103	77	74	14
## 223	8	1552	82	91	63	57	21
## 238	8	1557	120	242	143	64	7
## 246	10	1479	101	106	45	57	47
## 246.1	10	1479	101	106	45	57	47
## 260	10	1479	101	106	45	57	47
## 282	5	1531	94	105	85	77	16
## 284	5	1537	134	237	142	71	4
## 196.5	7	1537	102	205	103	39	10
## 197.4	7	1537	102	205	103	39	10
## 198.3	7	1537	102	205	103	39	10
## 199.2	7	1537	102	205	103	39	10
## 200.1	7	1537	102	205	103	39	10
## 201	7	1537	102	205	103	39	10
## 195.1	6	1558	109	220	120	49	6
## 202	6	1558	109	220	120	49	6
## 238.1	8	1557	120	242	143	64	7
## 254	8	1557	120	242	143	64	7
## 296	23	1563	124	250	145	64	11
## 237	25	1569	118	236	136	60	7
## 296.1	23	1563	124	250	145	64	11
## 297	23	1563	124	250	145	64	11
## 275	6	1523	105	118	79	72	36
## 296.2	23	1563	124	250	145	64	11
## 297.1	23	1563	124	250	145	64	11
## 299	23	1563	124	250	145	64	11
## 237.1	25	1569	118	236	136	60	7

## 298	25	1569	118	236	136	60	7
## 292	5	1561	132	265	158	71	3
## 195.2	6	1558	109	220	120	49	6
## 202.1	6	1558	109	220	120	49	6
## 293	6	1558	109	220	120	49	6
## 317	22	1509	181	347	178	81	7
## 316	7	1518	139	254	146	69	4
## 322	5	1420	106	112	55	68	20
## 324	24	1386	84	100	115	93	59
## 329	6	1492	68	74	38	47	49
## 337	4	1528	89	95	53	60	6
## 355	13	1515	94	103	64	66	3
## 322.1	5	1420	106	112	55	68	20
## 323	5	1420	106	112	55	68	20
## 320	23	1548	162	322	152	59	17
## 317.1	22	1509	181	347	178	81	7
## 318	22	1509	181	347	178	81	7
## 319	22	1541	178	351	164	66	9
## 317.2	22	1509	181	347	178	81	7
## 318.1	22	1509	181	347	178	81	7
## 375	22	1509	181	347	178	81	7
## 393	4	1439	71	81	34	44	47
## 316.1	7	1518	139	254	146	69	4
## 321	7	1518	139	254	146	69	4
## 381	21	1546	160	315	149	59	7
## 399	24	1565	116	248	113	42	2
## 399.1	24	1565	116	248	113	42	2
## 400	24	1565	116	248	113	42	2
## 402	7	1417	60	74	59	55	34
## 408	4	1418	48	60	39	43	23
## 408.1	4	1418	48	60	39	43	23
## 409	4	1418	48	60	39	43	23
## 417	3	1464	47	60	35	44	24
## 411	3	1470	46	58	35	43	36
## 408.2	4	1418	48	60	39	43	23
## 409.1	4	1418	48	60	39	43	23
## 410	4	1418	48	60	39	43	23
## 431	4	1503	61	73	48	49	52
## 435	5	1460	63	76	53	53	56
## 433	5	1477	53	66	42	45	59
## 427	4	1522	93	101	51	57	29
## 447	25	1422	92	110	120	102	42
## 449	23	1397	92	111	126	104	59
## 465	3	1501	59	74	37	42	43
## 470	20	1488	93	103	59	62	56
## 460	4	1453	49	59	37	42	49
## 479	3	1448	58	71	44	52	17
## 402.1	7	1417	60	74	59	55	34
## 403	7	1417	60	74	59	55	34
## 502	7	1500	67	85	39	44	38
## 502.1	7	1500	67	85	39	44	38
## 503	7	1500	67	85	39	44	38
## 497	22	1528	201	385	191	93	15
## 514	6	1437	58	72	38	43	48

## 507	6	1519	198	379	190	93	9
## 399.2	24	1565	116	248	113	42	2
## 400.1	24	1565	116	248	113	42	2
## 401	24	1565	116	248	113	42	2
## 497.1	22	1528	201	385	191	93	15
## 508	22	1528	201	385	191	93	15
## 495	7	1535	222	418	195	100	38
## 572	26	1501	172	203	277	217	5
## 574	26	1536	196	229	309	242	6
## 574.1	26	1536	196	229	309	242	6
## 575	26	1536	196	229	309	242	6
## 579	24	1440	216	246	302	245	56
## 579.1	24	1440	216	246	302	245	56
## 582	24	1440	216	246	302	245	56
## 586	26	1499	174	205	278	219	16
## 572.1	26	1501	172	203	277	217	5
## 573	26	1501	172	203	277	217	5
## 599	27	1564	245	309	355	271	3
## 612	4	1510	92	111	54	63	5
## 617	6	1548	224	447	191	98	7
## 616	8	1416	61	75	39	44	19
## 641	5	1514	88	107	45	55	28
## 662	4	1475	92	111	53	63	27
## 668	24	1499	237	320	128	104	32
## 678	22	1545	250	483	190	109	6
## 677	6	1568	185	399	160	54	2
## 647	20	1566	181	399	140	44	2
## 700	9	1542	94	224	79	24	4
## 704	25	1559	204	242	335	255	9
## 709	25	1549	208	248	298	231	8
## 732	25	1561	222	265	311	240	9
## 806	26	1522	233	429	160	100	5
## 700.1	9	1542	94	224	79	24	4
## 701	9	1542	94	224	79	24	4
## 851	24	1538	108	159	68	73	42
## 859	6	1567	184	418	116	31	1
## 887	25	1517	207	248	296	226	40
## 894	24	1569	269	317	413	310	32
## 896	25	1534	219	262	354	264	45
## 899	24	1533	213	254	302	231	11
## 901	26	1526	216	258	301	230	13
## 910	26	1537	216	258	316	239	26
## 894.1	24	1569	269	317	413	310	32
## 900	24	1569	269	317	413	310	32
## 917	25	1560	226	270	312	239	2
## 926	26	1550	216	259	305	234	9
## 892	24	1552	218	260	308	235	10
## 945	25	1542	215	258	318	239	5
## 937	24	1539	215	258	318	238	16
## 908	25	1544	208	250	319	239	7
## 958	25	1568	239	285	327	248	1
## 971	26	1566	254	309	342	274	2
## 985	24	1526	192	329	139	96	26
## 1019	4	1497	91	138	53	58	29

## 1039	25	1526	200	356	151	99	26
## 1017	7	1555	99	150	49	56	39
## 1097	11	1564	328	666	258	147	9
## 1135	25	1527	236	460	156	82	22
## 1135.1	25	1527	236	460	156	82	22
## 1136	25	1527	236	460	156	82	22
## 1139	22	1587	207	377	142	106	6
## 1139.1	22	1587	207	377	142	106	6
## 1140	22	1587	207	377	142	106	6
## 1145	25	1543	245	490	172	89	15
## 1143	26	1543	243	482	169	89	16
## 1145.1	25	1543	245	490	172	89	15
## 1146	25	1543	245	490	172	89	15
## 1138	24	1538	243	483	168	87	21
## 1167	27	1461	212	272	327	245	62
## 1173	23	1560	291	347	426	320	18
## 1175	26	1544	224	268	330	246	13
## 1178	26	1541	222	266	338	251	18
## 1217	22	1541	70	177	45	13	31
## 1211	5	1552	134	306	78	22	5
## 1131	3	1547	72	116	43	57	17
## 1250	22	1553	52	147	37	11	15
## 1253	20	1554	48	138	32	10	15
## 1268	3	1524	55	89	35	47	10
## 1248	5	1566	202	447	115	30	1
## 1249	6	1568	215	476	127	36	1
## 1216	7	1522	69	179	44	13	9
## 1216.1	7	1522	69	179	44	13	9
## 1280	7	1522	69	179	44	13	9
## 1266	4	1521	66	102	39	52	26
## 1293	27	1520	211	377	122	66	23
## 1295	26	1467	192	349	129	96	25
## 1295.1	26	1467	192	349	129	96	25
## 1296	26	1467	192	349	129	96	25
## 1305	26	1477	215	395	128	69	16
## 1308	26	1515	159	279	96	89	16
## 1308.1	26	1515	159	279	96	89	16
## 1309	26	1515	159	279	96	89	16
## 1311	25	1515	184	332	118	96	16
## 1315	24	1490	181	324	115	94	45
## 1315.1	24	1490	181	324	115	94	45
## 1316	24	1490	181	324	115	94	45
## 1318	25	1486	218	404	131	70	24
## 1320	26	1484	219	418	135	71	10
## 1315.2	24	1490	181	324	115	94	45
## 1316.1	24	1490	181	324	115	94	45
## 1317	24	1490	181	324	115	94	45
## 1327	26	1475	207	365	137	92	17
## 1341	23	1541	230	446	139	68	13
## 1345	24	1542	218	423	126	61	14
## 1350	12	1544	231	455	142	65	39
## 1408	5	1523	101	147	57	75	40
## 1438	8	1541	46	131	24	7	13
## 1443	10	1522	50	136	26	8	20

## 1443.1	10	1522	50	136	26	8	20
## 1444	10	1522	50	136	26	8	20
## 1290	6	1545	60	154	30	8	11
## 1465	6	1552	140	309	80	28	12
## 1474	3	1504	108	161	61	85	54
## 1474.1	3	1504	108	161	61	85	54
## 1475	3	1504	108	161	61	85	54
## 1485	8	1526	90	125	103	90	46
## 1503	6	1568	229	505	148	50	2
## 1506	5	1565	197	435	120	38	2
## 1509	9	1501	114	166	67	77	18
## 1533	24	1502	216	434	140	67	17
## 1533.1	24	1502	216	434	140	67	17
## 1534	24	1502	216	434	140	67	17
## 1533.2	24	1502	216	434	140	67	17
## 1534.1	24	1502	216	434	140	67	17
## 1537	24	1502	216	434	140	67	17
## 1533.3	24	1502	216	434	140	67	17
## 1534.2	24	1502	216	434	140	67	17
## 1537.1	24	1502	216	434	140	67	17
## 1539	24	1502	216	434	140	67	17
## 1545	11	1509	216	427	131	62	19
## 1545.1	11	1509	216	427	131	62	19
## 1546	11	1509	216	427	131	62	19
## 1548	24	1512	214	423	130	61	17
## 1552	26	1528	217	371	123	72	17
## 1552.1	26	1528	217	371	123	72	17
## 1557	26	1528	217	371	123	72	17
## 1571	24	1549	214	493	154	64	4
## 1580	27	1401	98	134	111	109	68
## 1570	25	1540	212	493	155	65	2
## 1584	24	1390	98	121	103	101	65
## 1584.1	24	1390	98	121	103	101	65
## 1606	24	1390	98	121	103	101	65
## 1609	24	1543	204	491	154	63	15
## 1612	24	1566	209	383	118	85	14
## 1624	24	1475	147	223	260	187	34
## 1629	24	1460	157	240	289	203	34
## 1631	27	1463	164	249	301	211	28
## 1642	25	1567	273	299	297	249	2
## 1663	26	1569	260	296	310	260	0
## 1702	11	1520	115	133	51	77	12
## 1700	8	1534	135	171	70	92	13
## 1719	23	1567	220	490	145	57	1
## 1719.1	23	1567	220	490	145	57	1
## 1720	23	1567	220	490	145	57	1
## 1731	8	1561	151	339	87	34	14
## 1742	6	1534	56	147	25	7	19
## 1698	7	1565	182	437	112	42	3
## 1749	6	1545	57	147	26	8	8
## 1741	6	1534	54	143	26	8	11
## 1768	6	1512	141	187	74	97	17
## 1807	6	1557	40	118	18	5	8
## 1771	7	1569	40	116	18	5	2

## 1814	23	1399	190	341	113	78	5
## 1830	26	1558	187	340	98	80	33
## 1848	24	1430	209	432	128	55	26
## 1853	25	1460	147	216	239	172	25
## 1863	26	1482	173	242	284	200	7
## 1862	24	1483	164	234	278	199	16
## 1862.1	24	1483	164	234	278	199	16
## 1867	24	1483	164	234	278	199	16
## 1865	11	1477	163	231	267	191	19
## 1862.2	24	1483	164	234	278	199	16
## 1867.1	24	1483	164	234	278	199	16
## 1868	24	1483	164	234	278	199	16
## 1862.3	24	1483	164	234	278	199	16
## 1867.2	24	1483	164	234	278	199	16
## 1868.1	24	1483	164	234	278	199	16
## 1872	24	1483	164	234	278	199	16
## 1879	26	1549	256	292	368	263	14
## 1911	6	1545	82	203	40	15	5
## 1952	6	1534	38	128	15	5	3
## 1954	8	1540	41	130	15	5	20
## 1973	4	1539	82	114	67	65	19
## 1989	26	1490	208	381	112	70	16
## 1994	4	1474	102	175	51	59	37
## 1996	4	1475	93	159	47	55	35
## 1998	23	1502	77	115	43	52	33
## 1998.1	23	1502	77	115	43	52	33
## 1999	23	1502	77	115	43	52	33
## 2001	5	1475	110	187	55	62	39
## 2021	12	1524	76	104	53	61	22
## 2015	14	1531	74	102	51	58	28
## 2029	25	1428	210	389	115	56	24
## 2034	22	1504	207	442	130	55	21
## 2039	23	1485	144	222	274	201	41
## 2045	13	1495	125	188	226	175	28
## 2064	26	1501	263	336	435	303	25
## 2062	24	1551	260	335	446	309	18
## 2069	26	1545	277	342	474	330	12
## 2064.1	26	1501	263	336	435	303	25
## 2070	26	1501	263	336	435	303	25
## 2101	5	1555	37	114	9	4	11
## 2110	5	1552	37	122	10	3	11
## 2113	23	1560	31	106	7	3	13
## 2131	22	1568	213	482	116	41	1
## 2131.1	22	1568	213	482	116	41	1
## 2132	22	1568	213	482	116	41	1
## 2135	14	1543	224	495	128	52	10
## 2145	6	1559	79	226	38	9	10
## 2153	5	1569	66	184	29	9	3
## 2162	2	1469	67	108	31	40	13
## 2162.1	2	1469	67	108	31	40	13
## 2163	2	1469	67	108	31	40	13
## 2168	6	1468	73	122	35	43	44
## 2168.1	6	1468	73	122	35	43	44
## 2169	6	1468	73	122	35	43	44

## 2179	4	1503	71	111	35	42	13
## 2178	5	1478	69	117	36	44	23
## 2182	6	1483	70	111	35	43	36
## 2162.2	2	1469	67	108	31	40	13
## 2163.1	2	1469	67	108	31	40	13
## 2164	2	1469	67	108	31	40	13
## 2187	7	1459	79	134	41	49	47
## 2162.3	2	1469	67	108	31	40	13
## 2163.2	2	1469	67	108	31	40	13
## 2164.1	2	1469	67	108	31	40	13
## 2184	2	1469	67	108	31	40	13
## 2174	3	1460	75	130	41	48	22
## 2179.1	4	1503	71	111	35	42	13
## 2180	4	1503	71	111	35	42	13
## 2212	2	1537	53	74	29	41	14
## 2229	5	1508	78	112	39	41	35
## 2229.1	5	1508	78	112	39	41	35
## 2230	5	1508	78	112	39	41	35
## 2237	2	1546	53	68	34	45	7
## 2247	10	1559	207	455	128	50	4
## 2252	23	1493	209	453	133	56	11
## 2275	26	1541	260	334	432	301	9
## 2282	25	1513	264	337	421	287	11
## 2273	26	1539	266	336	426	292	14
## 2273.1	26	1539	266	336	426	292	14
## 2285	26	1539	266	336	426	292	14
## 2287	25	1533	277	329	455	316	13
## 2292	26	1535	275	328	450	311	3
## 2297	25	1535	271	339	458	319	29
## 2300	25	1524	270	337	445	309	13
## 2302	24	1525	265	339	422	286	11
## 2308	27	1535	260	299	398	275	7
## 2308.1	27	1535	260	299	398	275	7
## 2309	27	1535	260	299	398	275	7
## 2323	26	1527	245	276	354	249	6
## 2339	25	1564	250	272	304	250	2
## 2357	6	1561	37	112	9	4	9
## 2360	6	1554	45	134	14	5	28
## 2349	5	1556	37	113	9	4	12
## 2367	12	1569	217	474	104	36	1
## 2366	4	1551	41	128	13	3	2
## 2380	5	1554	74	207	28	6	17
## 2418	6	1569	186	430	74	17	1
## 2433	6	1567	165	414	66	14	1
## 2442	5	1568	154	408	63	13	2
## 2450	5	1562	133	370	54	10	1
## 2463	4	1475	52	82	29	37	19
## 2480	3	1541	49	66	26	36	6
## 2493	3	1538	57	75	41	50	22
## 2504	4	1510	45	59	33	40	14
## 2508	3	1544	49	63	31	42	4
## 2512	3	1540	47	64	30	38	6
## 2525	20	1500	203	434	126	52	17
## 2533	7	1545	298	362	458	329	11

## 2541	24	1547	274	343	444	299	5
## 2548	24	1536	271	349	436	300	10
## 2556	24	1517	271	353	429	301	17
## 2568	24	1548	271	342	442	304	18
## 2574	25	1539	248	277	355	255	12
## 2573	26	1536	251	281	364	260	2
## 2574.1	25	1539	248	277	355	255	12
## 2575	25	1539	248	277	355	255	12
## 2585	24	1563	240	263	338	243	5
## 2574.2	25	1539	248	277	355	255	12
## 2575.1	25	1539	248	277	355	255	12
## 2579	25	1539	248	277	355	255	12
## 2574.3	25	1539	248	277	355	255	12
## 2575.2	25	1539	248	277	355	255	12
## 2579.1	25	1539	248	277	355	255	12
## 2591	25	1539	248	277	355	255	12
## 2574.4	25	1539	248	277	355	255	12
##	tdhmod3a	tdlmod3a	tdmmod3a	tdsmmod3a	tnhmod3a	tnlmod3a	tnmmod3a
## 3	29	23	27	2	20	11	16
## 3.1	29	23	27	2	20	11	16
## 4	29	23	27	2	20	11	16
## 2	28	21	26	2	22	19	20
## 11	29	16	24	3	21	18	19
## 11.1	29	16	24	3	21	18	19
## 12	29	16	24	3	21	18	19
## 11.2	29	16	24	3	21	18	19
## 12.1	29	16	24	3	21	18	19
## 13	29	16	24	3	21	18	19
## 11.3	29	16	24	3	21	18	19
## 12.2	29	16	24	3	21	18	19
## 13.1	29	16	24	3	21	18	19
## 14	29	16	24	3	21	18	19
## 11.4	29	16	24	3	21	18	19
## 12.3	29	16	24	3	21	18	19
## 13.2	29	16	24	3	21	18	19
## 14.1	29	16	24	3	21	18	19
## 15	29	16	24	3	21	18	19
## 17	31	22	26	2	22	14	18
## 11.5	29	16	24	3	21	18	19
## 12.4	29	16	24	3	21	18	19
## 13.3	29	16	24	3	21	18	19
## 14.2	29	16	24	3	21	18	19
## 15.1	29	16	24	3	21	18	19
## 16	29	16	24	3	21	18	19
## 17.1	31	22	26	2	22	14	18
## 18	31	22	26	2	22	14	18
## 17.2	31	22	26	2	22	14	18
## 18.1	31	22	26	2	22	14	18
## 21	31	22	26	2	22	14	18
## 17.3	31	22	26	2	22	14	18
## 18.2	31	22	26	2	22	14	18
## 21.1	31	22	26	2	22	14	18
## 22	31	22	26	2	22	14	18
## 17.4	31	22	26	2	22	14	18



## 18.3	31	22	26	2	22	14	18
## 21.2	31	22	26	2	22	14	18
## 22.1	31	22	26	2	22	14	18
## 23	31	22	26	2	22	14	18
## 17.5	31	22	26	2	22	14	18
## 18.4	31	22	26	2	22	14	18
## 21.3	31	22	26	2	22	14	18
## 22.2	31	22	26	2	22	14	18
## 23.1	31	22	26	2	22	14	18
## 24	31	22	26	2	22	14	18
## 17.6	31	22	26	2	22	14	18
## 18.5	31	22	26	2	22	14	18
## 21.4	31	22	26	2	22	14	18
## 22.3	31	22	26	2	22	14	18
## 23.2	31	22	26	2	22	14	18
## 24.1	31	22	26	2	22	14	18
## 25	31	22	26	2	22	14	18
## 17.7	31	22	26	2	22	14	18
## 18.6	31	22	26	2	22	14	18
## 21.5	31	22	26	2	22	14	18
## 22.4	31	22	26	2	22	14	18
## 23.3	31	22	26	2	22	14	18
## 24.2	31	22	26	2	22	14	18
## 25.1	31	22	26	2	22	14	18
## 26	31	22	26	2	22	14	18
## 17.8	31	22	26	2	22	14	18
## 18.7	31	22	26	2	22	14	18
## 21.6	31	22	26	2	22	14	18
## 22.5	31	22	26	2	22	14	18
## 23.4	31	22	26	2	22	14	18
## 24.3	31	22	26	2	22	14	18
## 25.2	31	22	26	2	22	14	18
## 26.1	31	22	26	2	22	14	18
## 27	31	22	26	2	22	14	18
## 17.9	31	22	26	2	22	14	18
## 18.8	31	22	26	2	22	14	18
## 21.7	31	22	26	2	22	14	18
## 22.6	31	22	26	2	22	14	18
## 23.5	31	22	26	2	22	14	18
## 24.4	31	22	26	2	22	14	18
## 25.3	31	22	26	2	22	14	18
## 26.2	31	22	26	2	22	14	18
## 27.1	31	22	26	2	22	14	18
## 28	31	22	26	2	22	14	18
## 17.10	31	22	26	2	22	14	18
## 18.9	31	22	26	2	22	14	18
## 21.8	31	22	26	2	22	14	18
## 22.7	31	22	26	2	22	14	18
## 23.6	31	22	26	2	22	14	18
## 24.5	31	22	26	2	22	14	18
## 25.4	31	22	26	2	22	14	18
## 26.3	31	22	26	2	22	14	18
## 27.2	31	22	26	2	22	14	18
## 28.1	31	22	26	2	22	14	18

## 29	31	22	26	2	22	14	18
## 17.11	31	22	26	2	22	14	18
## 18.10	31	22	26	2	22	14	18
## 21.9	31	22	26	2	22	14	18
## 22.8	31	22	26	2	22	14	18
## 23.7	31	22	26	2	22	14	18
## 24.6	31	22	26	2	22	14	18
## 25.5	31	22	26	2	22	14	18
## 26.4	31	22	26	2	22	14	18
## 27.3	31	22	26	2	22	14	18
## 28.2	31	22	26	2	22	14	18
## 29.1	31	22	26	2	22	14	18
## 30	31	22	26	2	22	14	18
## 17.12	31	22	26	2	22	14	18
## 18.11	31	22	26	2	22	14	18
## 21.10	31	22	26	2	22	14	18
## 22.9	31	22	26	2	22	14	18
## 23.8	31	22	26	2	22	14	18
## 24.7	31	22	26	2	22	14	18
## 25.6	31	22	26	2	22	14	18
## 26.5	31	22	26	2	22	14	18
## 27.4	31	22	26	2	22	14	18
## 28.3	31	22	26	2	22	14	18
## 29.2	31	22	26	2	22	14	18
## 30.1	31	22	26	2	22	14	18
## 31	31	22	26	2	22	14	18
## 17.13	31	22	26	2	22	14	18
## 18.12	31	22	26	2	22	14	18
## 21.11	31	22	26	2	22	14	18
## 22.10	31	22	26	2	22	14	18
## 23.9	31	22	26	2	22	14	18
## 24.8	31	22	26	2	22	14	18
## 25.7	31	22	26	2	22	14	18
## 26.6	31	22	26	2	22	14	18
## 27.5	31	22	26	2	22	14	18
## 28.4	31	22	26	2	22	14	18
## 29.3	31	22	26	2	22	14	18
## 30.2	31	22	26	2	22	14	18
## 31.1	31	22	26	2	22	14	18
## 32	31	22	26	2	22	14	18
## 17.14	31	22	26	2	22	14	18
## 18.13	31	22	26	2	22	14	18
## 21.12	31	22	26	2	22	14	18
## 22.11	31	22	26	2	22	14	18
## 23.10	31	22	26	2	22	14	18
## 24.9	31	22	26	2	22	14	18
## 25.8	31	22	26	2	22	14	18
## 26.7	31	22	26	2	22	14	18
## 27.6	31	22	26	2	22	14	18
## 28.5	31	22	26	2	22	14	18
## 29.4	31	22	26	2	22	14	18
## 30.3	31	22	26	2	22	14	18
## 31.2	31	22	26	2	22	14	18
## 32.1	31	22	26	2	22	14	18

## 33	31	22	26	2	22	14	18
## 17.15	31	22	26	2	22	14	18
## 18.14	31	22	26	2	22	14	18
## 21.13	31	22	26	2	22	14	18
## 22.12	31	22	26	2	22	14	18
## 23.11	31	22	26	2	22	14	18
## 24.10	31	22	26	2	22	14	18
## 25.9	31	22	26	2	22	14	18
## 26.8	31	22	26	2	22	14	18
## 27.7	31	22	26	2	22	14	18
## 28.6	31	22	26	2	22	14	18
## 29.5	31	22	26	2	22	14	18
## 30.4	31	22	26	2	22	14	18
## 31.3	31	22	26	2	22	14	18
## 32.2	31	22	26	2	22	14	18
## 33.1	31	22	26	2	22	14	18
## 34	31	22	26	2	22	14	18
## 17.16	31	22	26	2	22	14	18
## 18.15	31	22	26	2	22	14	18
## 21.14	31	22	26	2	22	14	18
## 22.13	31	22	26	2	22	14	18
## 23.12	31	22	26	2	22	14	18
## 24.11	31	22	26	2	22	14	18
## 25.10	31	22	26	2	22	14	18
## 26.9	31	22	26	2	22	14	18
## 27.8	31	22	26	2	22	14	18
## 28.7	31	22	26	2	22	14	18
## 29.6	31	22	26	2	22	14	18
## 30.5	31	22	26	2	22	14	18
## 31.4	31	22	26	2	22	14	18
## 32.3	31	22	26	2	22	14	18
## 33.2	31	22	26	2	22	14	18
## 34.1	31	22	26	2	22	14	18
## 35	31	22	26	2	22	14	18
## 17.17	31	22	26	2	22	14	18
## 18.16	31	22	26	2	22	14	18
## 21.15	31	22	26	2	22	14	18
## 22.14	31	22	26	2	22	14	18
## 23.13	31	22	26	2	22	14	18
## 24.12	31	22	26	2	22	14	18
## 25.11	31	22	26	2	22	14	18
## 26.10	31	22	26	2	22	14	18
## 27.9	31	22	26	2	22	14	18
## 28.8	31	22	26	2	22	14	18
## 29.7	31	22	26	2	22	14	18
## 30.6	31	22	26	2	22	14	18
## 31.5	31	22	26	2	22	14	18
## 32.4	31	22	26	2	22	14	18
## 33.3	31	22	26	2	22	14	18
## 34.2	31	22	26	2	22	14	18
## 35.1	31	22	26	2	22	14	18
## 36	31	22	26	2	22	14	18
## 17.18	31	22	26	2	22	14	18
## 18.17	31	22	26	2	22	14	18

## 21.16	31	22	26	2	22	14	18
## 22.15	31	22	26	2	22	14	18
## 23.14	31	22	26	2	22	14	18
## 24.13	31	22	26	2	22	14	18
## 25.12	31	22	26	2	22	14	18
## 26.11	31	22	26	2	22	14	18
## 27.10	31	22	26	2	22	14	18
## 28.9	31	22	26	2	22	14	18
## 29.8	31	22	26	2	22	14	18
## 30.7	31	22	26	2	22	14	18
## 31.6	31	22	26	2	22	14	18
## 32.5	31	22	26	2	22	14	18
## 33.4	31	22	26	2	22	14	18
## 34.3	31	22	26	2	22	14	18
## 35.2	31	22	26	2	22	14	18
## 36.1	31	22	26	2	22	14	18
## 37	31	22	26	2	22	14	18
## 17.19	31	22	26	2	22	14	18
## 18.18	31	22	26	2	22	14	18
## 21.17	31	22	26	2	22	14	18
## 22.16	31	22	26	2	22	14	18
## 23.15	31	22	26	2	22	14	18
## 24.14	31	22	26	2	22	14	18
## 25.13	31	22	26	2	22	14	18
## 26.12	31	22	26	2	22	14	18
## 27.11	31	22	26	2	22	14	18
## 28.10	31	22	26	2	22	14	18
## 29.9	31	22	26	2	22	14	18
## 30.8	31	22	26	2	22	14	18
## 31.7	31	22	26	2	22	14	18
## 32.6	31	22	26	2	22	14	18
## 33.5	31	22	26	2	22	14	18
## 34.4	31	22	26	2	22	14	18
## 35.3	31	22	26	2	22	14	18
## 36.2	31	22	26	2	22	14	18
## 37.1	31	22	26	2	22	14	18
## 38	31	22	26	2	22	14	18
## 17.20	31	22	26	2	22	14	18
## 18.19	31	22	26	2	22	14	18
## 21.18	31	22	26	2	22	14	18
## 22.17	31	22	26	2	22	14	18
## 23.16	31	22	26	2	22	14	18
## 24.15	31	22	26	2	22	14	18
## 25.14	31	22	26	2	22	14	18
## 26.13	31	22	26	2	22	14	18
## 27.12	31	22	26	2	22	14	18
## 28.11	31	22	26	2	22	14	18
## 29.10	31	22	26	2	22	14	18
## 30.9	31	22	26	2	22	14	18
## 31.8	31	22	26	2	22	14	18
## 32.7	31	22	26	2	22	14	18
## 33.6	31	22	26	2	22	14	18
## 34.5	31	22	26	2	22	14	18
## 35.4	31	22	26	2	22	14	18

## 36.3	31	22	26	2	22	14	18
## 37.2	31	22	26	2	22	14	18
## 38.1	31	22	26	2	22	14	18
## 39	31	22	26	2	22	14	18
## 17.21	31	22	26	2	22	14	18
## 18.20	31	22	26	2	22	14	18
## 21.19	31	22	26	2	22	14	18
## 22.18	31	22	26	2	22	14	18
## 23.17	31	22	26	2	22	14	18
## 24.16	31	22	26	2	22	14	18
## 25.15	31	22	26	2	22	14	18
## 26.14	31	22	26	2	22	14	18
## 27.13	31	22	26	2	22	14	18
## 28.12	31	22	26	2	22	14	18
## 29.11	31	22	26	2	22	14	18
## 30.10	31	22	26	2	22	14	18
## 31.9	31	22	26	2	22	14	18
## 32.8	31	22	26	2	22	14	18
## 33.7	31	22	26	2	22	14	18
## 34.6	31	22	26	2	22	14	18
## 35.5	31	22	26	2	22	14	18
## 36.4	31	22	26	2	22	14	18
## 37.3	31	22	26	2	22	14	18
## 38.2	31	22	26	2	22	14	18
## 39.1	31	22	26	2	22	14	18
## 41	31	22	26	2	22	14	18
## 10	30	21	25	2	22	13	18
## 50	29	21	25	2	20	5	13
## 51	29	20	25	2	14	5	10
## 58	27	21	25	2	22	11	15
## 44	30	20	25	3	21	15	18
## 49	29	17	24	3	22	14	19
## 9	32	16	23	4	22	15	20
## 58.1	27	21	25	2	22	11	15
## 59	27	21	25	2	22	11	15
## 74	29	21	25	2	21	16	19
## 76	29	22	25	2	21	17	19
## 88	28	20	24	2	21	17	19
## 83	28	21	25	2	21	17	19
## 89	30	21	25	2	22	17	20
## 79	29	22	25	2	22	16	20
## 76.1	29	22	25	2	21	17	19
## 77	29	22	25	2	21	17	19
## 73	28	16	24	3	21	17	20
## 72	28	17	23	3	21	17	19
## 71	28	21	25	2	20	12	17
## 96	28	18	24	2	20	15	18
## 74.1	29	21	25	2	21	16	19
## 75	29	21	25	2	21	16	19
## 104	34	20	27	3	23	12	20
## 119	32	20	27	3	22	16	19
## 129	21	0	9	6	3	-13	-2
## 128	28	13	21	4	7	-16	1
## 122	26	10	20	4	7	-10	0

## 142	32	18	26	3	22	17	20
## 150	28	21	25	2	21	14	19
## 121	33	22	28	2	22	17	19
## 167	29	18	25	2	21	14	18
## 121.1	33	22	28	2	22	17	19
## 154	33	22	28	2	22	17	19
## 142.1	32	18	26	3	22	17	20
## 146	32	18	26	3	22	17	20
## 119.1	32	20	27	3	22	16	19
## 120	32	20	27	3	22	16	19
## 177	29	21	23	2	21	19	20
## 174	30	21	27	2	21	16	20
## 175	31	21	25	3	21	16	19
## 176	33	17	26	5	23	18	20
## 135	27	19	24	2	20	2	14
## 169	32	22	27	3	21	14	19
## 196	29	21	26	2	22	17	19
## 196.1	29	21	26	2	22	17	19
## 197	29	21	26	2	22	17	19
## 196.2	29	21	26	2	22	17	19
## 197.1	29	21	26	2	22	17	19
## 198	29	21	26	2	22	17	19
## 196.3	29	21	26	2	22	17	19
## 197.2	29	21	26	2	22	17	19
## 198.1	29	21	26	2	22	17	19
## 199	29	21	26	2	22	17	19
## 196.4	29	21	26	2	22	17	19
## 197.3	29	21	26	2	22	17	19
## 198.2	29	21	26	2	22	17	19
## 199.1	29	21	26	2	22	17	19
## 200	29	21	26	2	22	17	19
## 195	29	20	27	3	22	17	20
## 206	21	6	14	4	6	-11	2
## 208	20	7	14	3	6	-13	1
## 213	23	5	14	5	7	-10	3
## 213.1	23	5	14	5	7	-10	3
## 214	23	5	14	5	7	-10	3
## 213.2	23	5	14	5	7	-10	3
## 214.1	23	5	14	5	7	-10	3
## 215	23	5	14	5	7	-10	3
## 217	21	5	13	4	6	-9	2
## 217.1	21	5	13	4	6	-9	2
## 218	21	5	13	4	6	-9	2
## 231	24	5	16	5	6	-10	1
## 242	23	6	16	4	5	-8	0
## 250	26	6	17	4	6	-14	1
## 223	21	5	14	4	5	-7	1
## 238	28	16	23	3	22	10	18
## 246	23	5	16	4	7	-10	3
## 246.1	23	5	16	4	7	-10	3
## 260	23	5	16	4	7	-10	3
## 282	27	4	18	4	7	-12	1
## 284	32	23	27	3	21	16	19
## 196.5	29	21	26	2	22	17	19

## 197.4	29	21	26	2	22	17	19
## 198.3	29	21	26	2	22	17	19
## 199.2	29	21	26	2	22	17	19
## 200.1	29	21	26	2	22	17	19
## 201	29	21	26	2	22	17	19
## 195.1	29	20	27	3	22	17	20
## 202	29	20	27	3	22	17	20
## 238.1	28	16	23	3	22	10	18
## 254	28	16	23	3	22	10	18
## 296	27	11	23	4	23	12	19
## 237	28	2	22	6	22	10	18
## 296.1	27	11	23	4	23	12	19
## 297	27	11	23	4	23	12	19
## 275	25	5	14	5	4	-10	1
## 296.2	27	11	23	4	23	12	19
## 297.1	27	11	23	4	23	12	19
## 299	27	11	23	4	23	12	19
## 237.1	28	2	22	6	22	10	18
## 298	28	2	22	6	22	10	18
## 292	28	18	25	3	23	12	20
## 195.2	29	20	27	3	22	17	20
## 202.1	29	20	27	3	22	17	20
## 293	29	20	27	3	22	17	20
## 317	28	21	25	2	20	15	18
## 316	31	21	26	3	23	13	19
## 322	35	15	27	3	18	-9	14
## 324	23	9	18	3	12	-8	5
## 329	29	14	22	4	11	-9	5
## 337	31	5	20	5	8	-5	3
## 355	27	3	19	5	6	-17	1
## 322.1	35	15	27	3	18	-9	14
## 323	35	15	27	3	18	-9	14
## 320	29	19	25	3	22	16	19
## 317.1	28	21	25	2	20	15	18
## 318	28	21	25	2	20	15	18
## 319	30	19	25	3	22	15	19
## 317.2	28	21	25	2	20	15	18
## 318.1	28	21	25	2	20	15	18
## 375	28	21	25	2	20	15	18
## 393	36	19	27	4	15	-12	9
## 316.1	31	21	26	3	23	13	19
## 321	31	21	26	3	23	13	19
## 381	28	14	25	3	22	18	19
## 399	28	9	23	4	22	8	16
## 399.1	28	9	23	4	22	8	16
## 400	28	9	23	4	22	8	16
## 402	27	10	19	4	11	-9	3
## 408	33	7	23	5	13	-9	6
## 408.1	33	7	23	5	13	-9	6
## 409	33	7	23	5	13	-9	6
## 417	37	17	30	4	15	-4	9
## 411	37	15	28	4	15	-4	8
## 408.2	33	7	23	5	13	-9	6
## 409.1	33	7	23	5	13	-9	6

## 410	33	7	23	5	13	-9	6
## 431	34	9	23	5	13	-4	7
## 435	32	10	23	5	13	-9	6
## 433	36	9	24	5	13	-3	8
## 427	29	5	21	5	12	-5	5
## 447	22	11	17	3	13	-8	6
## 449	25	12	21	3	15	-11	7
## 465	32	16	25	4	14	-6	8
## 470	25	8	17	4	9	-8	3
## 460	38	17	28	4	15	-6	7
## 479	36	17	29	4	16	-2	11
## 402.1	27	10	19	4	11	-9	3
## 403	27	10	19	4	11	-9	3
## 502	35	17	25	4	14	-9	7
## 502.1	35	17	25	4	14	-9	7
## 503	35	17	25	4	14	-9	7
## 497	28	20	24	2	21	16	20
## 514	30	16	23	3	13	-4	7
## 507	28	16	22	3	21	16	19
## 399.2	28	9	23	4	22	8	16
## 400.1	28	9	23	4	22	8	16
## 401	28	9	23	4	22	8	16
## 497.1	28	20	24	2	21	16	20
## 508	28	20	24	2	21	16	20
## 495	27	20	24	2	21	11	18
## 572	29	19	24	2	20	4	16
## 574	29	19	24	2	20	7	17
## 574.1	29	19	24	2	20	7	17
## 575	29	19	24	2	20	7	17
## 579	27	17	22	3	19	3	16
## 579.1	27	17	22	3	19	3	16
## 582	27	17	22	3	19	3	16
## 586	29	19	24	2	20	6	17
## 572.1	29	19	24	2	20	4	16
## 573	29	19	24	2	20	4	16
## 599	29	21	25	2	23	15	21
## 612	34	14	23	4	10	-18	4
## 617	29	20	25	2	20	9	17
## 616	29	16	23	3	11	-10	5
## 641	30	16	24	4	12	-6	7
## 662	32	14	21	4	11	-7	4
## 668	26	18	22	2	19	7	15
## 678	26	13	22	4	20	3	13
## 677	31	21	26	2	21	1	17
## 647	33	20	26	3	20	14	18
## 700	33	18	27	4	22	15	20
## 704	27	18	24	2	21	6	18
## 709	28	17	25	3	22	19	20
## 732	30	18	25	3	22	17	20
## 806	30	20	24	2	20	0	13
## 700.1	33	18	27	4	22	15	20
## 701	33	18	27	4	22	15	20
## 851	20	8	16	3	6	-7	2
## 859	34	23	27	3	21	15	18



## 887	30	5	24	4	21	17	20
## 894	27	17	23	2	21	12	19
## 896	29	21	25	2	21	10	19
## 899	30	16	25	3	23	7	20
## 901	30	17	25	3	23	9	20
## 910	29	18	24	2	23	9	19
## 894.1	27	17	23	2	21	12	19
## 900	27	17	23	2	21	12	19
## 917	29	21	25	2	22	17	20
## 926	29	18	25	3	23	8	20
## 892	29	16	24	3	23	7	20
## 945	30	18	25	3	21	6	18
## 937	30	19	25	2	20	8	18
## 908	31	22	26	2	21	13	19
## 958	30	21	25	2	22	8	19
## 971	31	14	25	3	23	14	21
## 985	27	14	21	3	15	11	14
## 1019	25	9	18	4	9	-11	4
## 1039	25	15	20	2	16	8	14
## 1017	25	9	17	4	8	-9	5
## 1097	25	20	24	1	20	12	18
## 1135	29	18	24	3	18	2	13
## 1135.1	29	18	24	3	18	2	13
## 1136	29	18	24	3	18	2	13
## 1139	23	14	17	2	16	-3	12
## 1139.1	23	14	17	2	16	-3	12
## 1140	23	14	17	2	16	-3	12
## 1145	29	18	24	3	21	0	14
## 1143	29	20	24	2	21	6	13
## 1145.1	29	18	24	3	21	0	14
## 1146	29	18	24	3	21	0	14
## 1138	29	20	24	2	21	0	13
## 1167	28	15	22	3	17	-3	14
## 1173	26	14	23	3	20	9	17
## 1175	29	20	25	2	21	7	18
## 1178	29	19	24	2	21	3	18
## 1217	28	18	25	2	23	11	19
## 1211	35	23	28	3	20	16	19
## 1131	35	16	27	5	12	-8	7
## 1250	29	9	22	4	22	9	18
## 1253	27	12	23	3	23	7	18
## 1268	37	19	29	4	15	-10	9
## 1248	33	21	25	3	22	10	18
## 1249	33	22	27	3	21	13	17
## 1216	31	22	26	2	22	16	19
## 1216.1	31	22	26	2	22	16	19
## 1280	31	22	26	2	22	16	19
## 1266	32	11	23	4	10	-8	6
## 1293	28	8	21	3	18	-6	12
## 1295	24	7	17	4	14	-12	7
## 1295.1	24	7	17	4	14	-12	7
## 1296	24	7	17	4	14	-12	7
## 1305	25	16	21	2	18	-3	12
## 1308	24	8	14	4	13	-5	8

## 1308.1	24	8	14	4	13	-5	8
## 1309	24	8	14	4	13	-5	8
## 1311	23	10	17	3	13	-6	9
## 1315	24	8	15	4	14	-12	8
## 1315.1	24	8	15	4	14	-12	8
## 1316	24	8	15	4	14	-12	8
## 1318	27	17	22	2	18	4	12
## 1320	27	18	22	2	19	4	11
## 1315.2	24	8	15	4	14	-12	8
## 1316.1	24	8	15	4	14	-12	8
## 1317	24	8	15	4	14	-12	8
## 1327	25	14	21	3	15	6	13
## 1341	28	16	23	3	18	2	12
## 1345	29	17	23	3	19	5	15
## 1350	29	21	24	2	19	-2	15
## 1408	29	16	22	3	11	-9	7
## 1438	30	18	25	3	22	13	19
## 1443	31	21	25	2	21	9	17
## 1443.1	31	21	25	2	21	9	17
## 1444	31	21	25	2	21	9	17
## 1290	40	22	27	5	21	16	18
## 1465	36	22	27	4	22	17	19
## 1474	29	16	23	3	11	-8	6
## 1474.1	29	16	23	3	11	-8	6
## 1475	29	16	23	3	11	-8	6
## 1485	27	9	18	4	5	-9	2
## 1503	33	24	27	3	21	12	17
## 1506	33	21	27	4	22	12	18
## 1509	26	13	20	3	8	-11	2
## 1533	30	16	24	3	19	2	14
## 1533.1	30	16	24	3	19	2	14
## 1534	30	16	24	3	19	2	14
## 1533.2	30	16	24	3	19	2	14
## 1534.1	30	16	24	3	19	2	14
## 1537	30	16	24	3	19	2	14
## 1533.3	30	16	24	3	19	2	14
## 1534.2	30	16	24	3	19	2	14
## 1537.1	30	16	24	3	19	2	14
## 1539	30	16	24	3	19	2	14
## 1545	29	14	24	3	19	10	16
## 1545.1	29	14	24	3	19	10	16
## 1546	29	14	24	3	19	10	16
## 1548	30	19	24	2	19	6	15
## 1552	28	18	23	2	17	6	14
## 1552.1	28	18	23	2	17	6	14
## 1557	28	18	23	2	17	6	14
## 1571	32	24	26	2	22	16	19
## 1580	21	8	16	3	10	-6	4
## 1570	32	15	25	4	22	9	18
## 1584	19	9	16	3	8	-9	3
## 1584.1	19	9	16	3	8	-9	3
## 1606	19	9	16	3	8	-9	3
## 1609	32	16	25	3	22	4	14
## 1612	23	13	19	3	15	0	11

## 1624	26	13	21	3	15	-1	10
## 1629	26	14	21	3	14	-2	10
## 1631	27	16	22	3	15	-3	10
## 1642	30	19	26	3	23	15	21
## 1663	33	20	26	3	23	19	21
## 1702	27	10	20	3	8	-8	3
## 1700	31	14	22	3	10	-5	6
## 1719	34	18	26	4	21	12	18
## 1719.1	34	18	26	4	21	12	18
## 1720	34	18	26	4	21	12	18
## 1731	34	20	26	3	22	15	19
## 1742	40	24	28	5	21	16	19
## 1698	34	23	27	3	23	15	19
## 1749	29	23	27	2	21	15	19
## 1741	35	24	29	3	22	16	19
## 1768	35	11	23	4	10	-5	6
## 1807	41	21	27	5	21	16	19
## 1771	37	16	27	4	21	17	18
## 1814	25	11	19	3	13	-3	9
## 1830	21	12	17	2	13	-16	8
## 1848	27	19	23	2	19	2	14
## 1853	29	17	23	3	14	0	10
## 1863	26	14	19	3	13	-4	8
## 1862	26	11	18	4	13	-5	8
## 1862.1	26	11	18	4	13	-5	8
## 1867	26	11	18	4	13	-5	8
## 1865	26	14	19	3	13	-4	8
## 1862.2	26	11	18	4	13	-5	8
## 1867.1	26	11	18	4	13	-5	8
## 1868	26	11	18	4	13	-5	8
## 1862.3	26	11	18	4	13	-5	8
## 1867.2	26	11	18	4	13	-5	8
## 1868.1	26	11	18	4	13	-5	8
## 1872	26	11	18	4	13	-5	8
## 1879	29	9	24	3	22	16	20
## 1911	41	24	28	4	21	16	19
## 1952	39	22	27	4	22	17	19
## 1954	37	20	27	3	22	17	19
## 1973	24	8	17	3	6	-14	1
## 1989	23	12	18	2	15	8	13
## 1994	33	16	24	4	10	-13	4
## 1996	33	17	24	4	10	-13	5
## 1998	21	8	16	3	7	-13	3
## 1998.1	21	8	16	3	7	-13	3
## 1999	21	8	16	3	7	-13	3
## 2001	30	16	22	3	9	-7	5
## 2021	27	6	18	4	6	-13	1
## 2015	30	2	20	5	7	-14	2
## 2029	28	19	23	2	18	4	14
## 2034	27	20	24	2	20	3	15
## 2039	25	11	18	4	13	-6	8
## 2045	23	10	16	4	11	-5	6
## 2064	27	17	23	3	18	9	15
## 2062	27	13	22	3	17	7	16

## 2069	28	19	23	2	18	6	16
## 2064.1	27	17	23	3	18	9	15
## 2070	27	17	23	3	18	9	15
## 2101	39	22	28	5	21	17	19
## 2110	39	22	29	5	22	17	20
## 2113	28	17	24	3	22	15	19
## 2131	33	22	27	3	23	13	19
## 2131.1	33	22	27	3	23	13	19
## 2132	33	22	27	3	23	13	19
## 2135	30	20	26	3	20	5	16
## 2145	40	22	28	4	22	18	20
## 2153	42	25	29	4	21	12	19
## 2162	33	11	24	5	7	-14	3
## 2162.1	33	11	24	5	7	-14	3
## 2163	33	11	24	5	7	-14	3
## 2168	29	14	22	4	8	-9	4
## 2168.1	29	14	22	4	8	-9	4
## 2169	29	14	22	4	8	-9	4
## 2179	31	10	22	4	7	-10	4
## 2178	32	9	22	4	8	-6	3
## 2182	31	11	21	4	7	-9	3
## 2162.2	33	11	24	5	7	-14	3
## 2163.1	33	11	24	5	7	-14	3
## 2164	33	11	24	5	7	-14	3
## 2187	31	15	22	4	10	-6	4
## 2162.3	33	11	24	5	7	-14	3
## 2163.2	33	11	24	5	7	-14	3
## 2164.1	33	11	24	5	7	-14	3
## 2184	33	11	24	5	7	-14	3
## 2174	32	16	23	4	10	-4	5
## 2179.1	31	10	22	4	7	-10	4
## 2180	31	10	22	4	7	-10	4
## 2212	37	13	27	6	8	-14	3
## 2229	27	7	19	4	8	-15	3
## 2229.1	27	7	19	4	8	-15	3
## 2230	27	7	19	4	8	-15	3
## 2237	39	13	25	5	9	-6	4
## 2247	29	21	25	2	22	4	16
## 2252	29	21	25	2	21	6	15
## 2275	29	17	23	2	18	10	16
## 2282	30	18	25	2	20	12	18
## 2273	30	17	24	3	19	12	17
## 2273.1	30	17	24	3	19	12	17
## 2285	30	17	24	3	19	12	17
## 2287	26	14	23	3	20	11	18
## 2292	28	18	23	3	20	12	17
## 2297	26	16	23	3	18	13	16
## 2300	27	16	23	3	18	13	17
## 2302	31	18	25	3	20	13	18
## 2308	28	14	24	3	21	6	18
## 2308.1	28	14	24	3	21	6	18
## 2309	28	14	24	3	21	6	18
## 2323	29	20	25	2	22	7	19
## 2339	29	19	25	3	23	12	21

## 2357	38	23	29	4	21	16	19
## 2360	41	22	30	5	22	17	19
## 2349	35	22	29	4	22	14	18
## 2367	33	25	29	2	23	18	21
## 2366	34	30	32	2	22	17	19
## 2380	38	23	28	4	22	16	19
## 2418	33	19	27	4	24	14	20
## 2433	32	24	27	2	24	15	20
## 2442	34	24	28	3	22	12	19
## 2450	38	22	28	4	23	15	20
## 2463	35	8	20	6	8	-9	2
## 2480	42	12	27	7	8	-15	3
## 2493	34	10	23	5	7	-8	3
## 2504	32	12	23	4	8	-1	4
## 2508	38	9	24	6	8	-6	3
## 2512	35	8	25	5	9	-5	4
## 2525	27	17	23	2	20	2	14
## 2533	32	22	27	2	21	4	18
## 2541	31	9	25	3	21	11	18
## 2548	30	21	25	2	20	16	19
## 2556	30	20	25	2	20	0	17
## 2568	31	19	26	2	21	11	18
## 2574	29	19	25	2	23	14	21
## 2573	28	18	24	2	23	19	21
## 2574.1	29	19	25	2	23	14	21
## 2575	29	19	25	2	23	14	21
## 2585	29	20	25	2	23	13	20
## 2574.2	29	19	25	2	23	14	21
## 2575.1	29	19	25	2	23	14	21
## 2579	29	19	25	2	23	14	21
## 2574.3	29	19	25	2	23	14	21
## 2575.2	29	19	25	2	23	14	21
## 2579.1	29	19	25	2	23	14	21
## 2591	29	19	25	2	23	14	21
## 2574.4	29	19	25	2	23	14	21
##	tnsmod3a	twisre3a	tx1mod3a	tx2mod3a	tx3mod3a	tx4mod3a	tx5mod3a
## 3	3	120	25	29	28	25	26
## 3.1	3	120	25	29	28	25	26
## 4	3	120	25	29	28	25	26
## 2	1	121	24	27	26	24	26
## 11	1	120	24	24	24	24	26
## 11.1	1	120	24	24	24	24	26
## 12	1	120	24	24	24	24	26
## 11.2	1	120	24	24	24	24	26
## 12.1	1	120	24	24	24	24	26
## 13	1	120	24	24	24	24	26
## 11.3	1	120	24	24	24	24	26
## 12.2	1	120	24	24	24	24	26
## 13.1	1	120	24	24	24	24	26
## 14	1	120	24	24	24	24	26
## 11.4	1	120	24	24	24	24	26
## 12.3	1	120	24	24	24	24	26
## 13.2	1	120	24	24	24	24	26
## 14.1	1	120	24	24	24	24	26

## 15	1	120	24	24	24	24	26
## 17	3	119	26	26	24	25	27
## 11.5	1	120	24	24	24	24	26
## 12.4	1	120	24	24	24	24	26
## 13.3	1	120	24	24	24	24	26
## 14.2	1	120	24	24	24	24	26
## 15.1	1	120	24	24	24	24	26
## 16	1	120	24	24	24	24	26
## 17.1	3	119	26	26	24	25	27
## 18	3	119	26	26	24	25	27
## 17.2	3	119	26	26	24	25	27
## 18.1	3	119	26	26	24	25	27
## 21	3	119	26	26	24	25	27
## 17.3	3	119	26	26	24	25	27
## 18.2	3	119	26	26	24	25	27
## 21.1	3	119	26	26	24	25	27
## 22	3	119	26	26	24	25	27
## 17.4	3	119	26	26	24	25	27
## 18.3	3	119	26	26	24	25	27
## 21.2	3	119	26	26	24	25	27
## 22.1	3	119	26	26	24	25	27
## 23	3	119	26	26	24	25	27
## 17.5	3	119	26	26	24	25	27
## 18.4	3	119	26	26	24	25	27
## 21.3	3	119	26	26	24	25	27
## 22.2	3	119	26	26	24	25	27
## 23.1	3	119	26	26	24	25	27
## 24	3	119	26	26	24	25	27
## 17.6	3	119	26	26	24	25	27
## 18.5	3	119	26	26	24	25	27
## 21.4	3	119	26	26	24	25	27
## 22.3	3	119	26	26	24	25	27
## 23.2	3	119	26	26	24	25	27
## 24.1	3	119	26	26	24	25	27
## 25	3	119	26	26	24	25	27
## 17.7	3	119	26	26	24	25	27
## 18.6	3	119	26	26	24	25	27
## 21.5	3	119	26	26	24	25	27
## 22.4	3	119	26	26	24	25	27
## 23.3	3	119	26	26	24	25	27
## 24.2	3	119	26	26	24	25	27
## 25.1	3	119	26	26	24	25	27
## 26	3	119	26	26	24	25	27
## 17.8	3	119	26	26	24	25	27
## 18.7	3	119	26	26	24	25	27
## 21.6	3	119	26	26	24	25	27
## 22.5	3	119	26	26	24	25	27
## 23.4	3	119	26	26	24	25	27
## 24.3	3	119	26	26	24	25	27
## 25.2	3	119	26	26	24	25	27
## 26.1	3	119	26	26	24	25	27
## 27	3	119	26	26	24	25	27
## 17.9	3	119	26	26	24	25	27
## 18.8	3	119	26	26	24	25	27

## 21.7	3	119	26	26	24	25	27
## 22.6	3	119	26	26	24	25	27
## 23.5	3	119	26	26	24	25	27
## 24.4	3	119	26	26	24	25	27
## 25.3	3	119	26	26	24	25	27
## 26.2	3	119	26	26	24	25	27
## 27.1	3	119	26	26	24	25	27
## 28	3	119	26	26	24	25	27
## 17.10	3	119	26	26	24	25	27
## 18.9	3	119	26	26	24	25	27
## 21.8	3	119	26	26	24	25	27
## 22.7	3	119	26	26	24	25	27
## 23.6	3	119	26	26	24	25	27
## 24.5	3	119	26	26	24	25	27
## 25.4	3	119	26	26	24	25	27
## 26.3	3	119	26	26	24	25	27
## 27.2	3	119	26	26	24	25	27
## 28.1	3	119	26	26	24	25	27
## 29	3	119	26	26	24	25	27
## 17.11	3	119	26	26	24	25	27
## 18.10	3	119	26	26	24	25	27
## 21.9	3	119	26	26	24	25	27
## 22.8	3	119	26	26	24	25	27
## 23.7	3	119	26	26	24	25	27
## 24.6	3	119	26	26	24	25	27
## 25.5	3	119	26	26	24	25	27
## 26.4	3	119	26	26	24	25	27
## 27.3	3	119	26	26	24	25	27
## 28.2	3	119	26	26	24	25	27
## 29.1	3	119	26	26	24	25	27
## 30	3	119	26	26	24	25	27
## 17.12	3	119	26	26	24	25	27
## 18.11	3	119	26	26	24	25	27
## 21.10	3	119	26	26	24	25	27
## 22.9	3	119	26	26	24	25	27
## 23.8	3	119	26	26	24	25	27
## 24.7	3	119	26	26	24	25	27
## 25.6	3	119	26	26	24	25	27
## 26.5	3	119	26	26	24	25	27
## 27.4	3	119	26	26	24	25	27
## 28.3	3	119	26	26	24	25	27
## 29.2	3	119	26	26	24	25	27
## 30.1	3	119	26	26	24	25	27
## 31	3	119	26	26	24	25	27
## 17.13	3	119	26	26	24	25	27
## 18.12	3	119	26	26	24	25	27
## 21.11	3	119	26	26	24	25	27
## 22.10	3	119	26	26	24	25	27
## 23.9	3	119	26	26	24	25	27
## 24.8	3	119	26	26	24	25	27
## 25.7	3	119	26	26	24	25	27
## 26.6	3	119	26	26	24	25	27
## 27.5	3	119	26	26	24	25	27
## 28.4	3	119	26	26	24	25	27

## 29.3	3	119	26	26	24	25	27
## 30.2	3	119	26	26	24	25	27
## 31.1	3	119	26	26	24	25	27
## 32	3	119	26	26	24	25	27
## 17.14	3	119	26	26	24	25	27
## 18.13	3	119	26	26	24	25	27
## 21.12	3	119	26	26	24	25	27
## 22.11	3	119	26	26	24	25	27
## 23.10	3	119	26	26	24	25	27
## 24.9	3	119	26	26	24	25	27
## 25.8	3	119	26	26	24	25	27
## 26.7	3	119	26	26	24	25	27
## 27.6	3	119	26	26	24	25	27
## 28.5	3	119	26	26	24	25	27
## 29.4	3	119	26	26	24	25	27
## 30.3	3	119	26	26	24	25	27
## 31.2	3	119	26	26	24	25	27
## 32.1	3	119	26	26	24	25	27
## 33	3	119	26	26	24	25	27
## 17.15	3	119	26	26	24	25	27
## 18.14	3	119	26	26	24	25	27
## 21.13	3	119	26	26	24	25	27
## 22.12	3	119	26	26	24	25	27
## 23.11	3	119	26	26	24	25	27
## 24.10	3	119	26	26	24	25	27
## 25.9	3	119	26	26	24	25	27
## 26.8	3	119	26	26	24	25	27
## 27.7	3	119	26	26	24	25	27
## 28.6	3	119	26	26	24	25	27
## 29.5	3	119	26	26	24	25	27
## 30.4	3	119	26	26	24	25	27
## 31.3	3	119	26	26	24	25	27
## 32.2	3	119	26	26	24	25	27
## 33.1	3	119	26	26	24	25	27
## 34	3	119	26	26	24	25	27
## 17.16	3	119	26	26	24	25	27
## 18.15	3	119	26	26	24	25	27
## 21.14	3	119	26	26	24	25	27
## 22.13	3	119	26	26	24	25	27
## 23.12	3	119	26	26	24	25	27
## 24.11	3	119	26	26	24	25	27
## 25.10	3	119	26	26	24	25	27
## 26.9	3	119	26	26	24	25	27
## 27.8	3	119	26	26	24	25	27
## 28.7	3	119	26	26	24	25	27
## 29.6	3	119	26	26	24	25	27
## 30.5	3	119	26	26	24	25	27
## 31.4	3	119	26	26	24	25	27
## 32.3	3	119	26	26	24	25	27
## 33.2	3	119	26	26	24	25	27
## 34.1	3	119	26	26	24	25	27
## 35	3	119	26	26	24	25	27
## 17.17	3	119	26	26	24	25	27
## 18.16	3	119	26	26	24	25	27



## 21.15	3	119	26	26	24	25	27
## 22.14	3	119	26	26	24	25	27
## 23.13	3	119	26	26	24	25	27
## 24.12	3	119	26	26	24	25	27
## 25.11	3	119	26	26	24	25	27
## 26.10	3	119	26	26	24	25	27
## 27.9	3	119	26	26	24	25	27
## 28.8	3	119	26	26	24	25	27
## 29.7	3	119	26	26	24	25	27
## 30.6	3	119	26	26	24	25	27
## 31.5	3	119	26	26	24	25	27
## 32.4	3	119	26	26	24	25	27
## 33.3	3	119	26	26	24	25	27
## 34.2	3	119	26	26	24	25	27
## 35.1	3	119	26	26	24	25	27
## 36	3	119	26	26	24	25	27
## 17.18	3	119	26	26	24	25	27
## 18.17	3	119	26	26	24	25	27
## 21.16	3	119	26	26	24	25	27
## 22.15	3	119	26	26	24	25	27
## 23.14	3	119	26	26	24	25	27
## 24.13	3	119	26	26	24	25	27
## 25.12	3	119	26	26	24	25	27
## 26.11	3	119	26	26	24	25	27
## 27.10	3	119	26	26	24	25	27
## 28.9	3	119	26	26	24	25	27
## 29.8	3	119	26	26	24	25	27
## 30.7	3	119	26	26	24	25	27
## 31.6	3	119	26	26	24	25	27
## 32.5	3	119	26	26	24	25	27
## 33.4	3	119	26	26	24	25	27
## 34.3	3	119	26	26	24	25	27
## 35.2	3	119	26	26	24	25	27
## 36.1	3	119	26	26	24	25	27
## 37	3	119	26	26	24	25	27
## 17.19	3	119	26	26	24	25	27
## 18.18	3	119	26	26	24	25	27
## 21.17	3	119	26	26	24	25	27
## 22.16	3	119	26	26	24	25	27
## 23.15	3	119	26	26	24	25	27
## 24.14	3	119	26	26	24	25	27
## 25.13	3	119	26	26	24	25	27
## 26.12	3	119	26	26	24	25	27
## 27.11	3	119	26	26	24	25	27
## 28.10	3	119	26	26	24	25	27
## 29.9	3	119	26	26	24	25	27
## 30.8	3	119	26	26	24	25	27
## 31.7	3	119	26	26	24	25	27
## 32.6	3	119	26	26	24	25	27
## 33.5	3	119	26	26	24	25	27
## 34.4	3	119	26	26	24	25	27
## 35.3	3	119	26	26	24	25	27
## 36.2	3	119	26	26	24	25	27
## 37.1	3	119	26	26	24	25	27

## 38	3	119	26	26	24	25	27
## 17.20	3	119	26	26	24	25	27
## 18.19	3	119	26	26	24	25	27
## 21.18	3	119	26	26	24	25	27
## 22.17	3	119	26	26	24	25	27
## 23.16	3	119	26	26	24	25	27
## 24.15	3	119	26	26	24	25	27
## 25.14	3	119	26	26	24	25	27
## 26.13	3	119	26	26	24	25	27
## 27.12	3	119	26	26	24	25	27
## 28.11	3	119	26	26	24	25	27
## 29.10	3	119	26	26	24	25	27
## 30.9	3	119	26	26	24	25	27
## 31.8	3	119	26	26	24	25	27
## 32.7	3	119	26	26	24	25	27
## 33.6	3	119	26	26	24	25	27
## 34.5	3	119	26	26	24	25	27
## 35.4	3	119	26	26	24	25	27
## 36.3	3	119	26	26	24	25	27
## 37.2	3	119	26	26	24	25	27
## 38.1	3	119	26	26	24	25	27
## 39	3	119	26	26	24	25	27
## 17.21	3	119	26	26	24	25	27
## 18.20	3	119	26	26	24	25	27
## 21.19	3	119	26	26	24	25	27
## 22.18	3	119	26	26	24	25	27
## 23.17	3	119	26	26	24	25	27
## 24.16	3	119	26	26	24	25	27
## 25.15	3	119	26	26	24	25	27
## 26.14	3	119	26	26	24	25	27
## 27.13	3	119	26	26	24	25	27
## 28.12	3	119	26	26	24	25	27
## 29.11	3	119	26	26	24	25	27
## 30.10	3	119	26	26	24	25	27
## 31.9	3	119	26	26	24	25	27
## 32.8	3	119	26	26	24	25	27
## 33.7	3	119	26	26	24	25	27
## 34.6	3	119	26	26	24	25	27
## 35.5	3	119	26	26	24	25	27
## 36.4	3	119	26	26	24	25	27
## 37.3	3	119	26	26	24	25	27
## 38.2	3	119	26	26	24	25	27
## 39.1	3	119	26	26	24	25	27
## 41	3	119	26	26	24	25	27
## 10	3	122	25	27	26	24	26
## 50	5	113	23	26	24	24	25
## 51	5	115	24	27	24	24	27
## 58	5	110	24	26	25	24	25
## 44	2	123	23	27	26	24	26
## 49	3	123	24	24	24	23	24
## 9	2	121	23	25	25	24	25
## 58.1	5	110	24	26	25	24	25
## 59	5	110	24	26	25	24	25
## 74	2	113	23	25	25	24	25

## 76	1	118	24	26	25	23	26
## 88	1	113	24	25	25	23	24
## 83	1	115	24	26	25	24	24
## 89	2	115	24	25	25	23	25
## 79	2	113	25	25	25	24	26
## 76.1	1	118	24	26	25	23	26
## 77	1	118	24	26	25	23	26
## 73	2	114	24	25	23	22	24
## 72	1	114	24	24	25	22	24
## 71	3	115	23	26	25	23	24
## 96	2	121	23	24	24	23	24
## 74.1	2	113	23	25	25	24	25
## 75	2	113	23	25	25	24	25
## 104	3	107	27	26	26	26	28
## 119	2	114	30	27	26	26	20
## 129	3	60	8	12	8	6	9
## 128	4	116	22	23	21	20	25
## 122	4	119	20	21	21	17	24
## 142	2	95	23	27	23	25	26
## 150	2	101	26	25	25	24	25
## 121	2	100	26	28	25	26	26
## 167	2	99	25	25	25	25	25
## 121.1	2	100	26	28	25	26	26
## 154	2	100	26	28	25	26	26
## 142.1	2	95	23	27	23	25	26
## 146	2	95	23	27	23	25	26
## 119.1	2	114	30	27	26	26	20
## 120	2	114	30	27	26	26	20
## 177	1	113	21	25	24	23	23
## 174	1	99	23	27	26	26	28
## 175	1	112	25	26	24	28	21
## 176	1	102	27	26	27	24	25
## 135	5	95	23	24	24	24	25
## 169	2	98	26	26	26	25	25
## 196	2	95	27	26	25	25	23
## 196.1	2	95	27	26	25	25	23
## 197	2	95	27	26	25	25	23
## 196.2	2	95	27	26	25	25	23
## 197.1	2	95	27	26	25	25	23
## 198	2	95	27	26	25	25	23
## 196.3	2	95	27	26	25	25	23
## 197.2	2	95	27	26	25	25	23
## 198.1	2	95	27	26	25	25	23
## 199	2	95	27	26	25	25	23
## 196.4	2	95	27	26	25	25	23
## 197.3	2	95	27	26	25	25	23
## 198.2	2	95	27	26	25	25	23
## 199.1	2	95	27	26	25	25	23
## 200	2	95	27	26	25	25	23
## 195	2	115	29	29	25	24	20
## 206	4	71	13	16	13	12	15
## 208	4	78	14	15	15	11	15
## 213	3	83	13	18	11	12	16
## 213.1	3	83	13	18	11	12	16

## 214	3	83	13	18	11	12	16
## 213.2	3	83	13	18	11	12	16
## 214.1	3	83	13	18	11	12	16
## 215	3	83	13	18	11	12	16
## 217	3	77	12	16	11	10	15
## 217.1	3	77	12	16	11	10	15
## 218	3	77	12	16	11	10	15
## 231	3	92	18	18	17	16	19
## 242	3	97	17	19	16	15	17
## 250	4	96	18	17	17	15	21
## 223	2	79	14	16	16	12	16
## 238	3	119	23	23	23	20	21
## 246	4	76	16	18	17	16	19
## 246.1	4	76	16	18	17	16	19
## 260	4	76	16	18	17	16	19
## 282	4	96	17	20	19	15	21
## 284	1	109	28	27	26	24	26
## 196.5	2	95	27	26	25	25	23
## 197.4	2	95	27	26	25	25	23
## 198.3	2	95	27	26	25	25	23
## 199.2	2	95	27	26	25	25	23
## 200.1	2	95	27	26	25	25	23
## 201	2	95	27	26	25	25	23
## 195.1	2	115	29	29	25	24	20
## 202	2	115	29	29	25	24	20
## 238.1	3	119	23	23	23	20	21
## 254	3	119	23	23	23	20	21
## 296	3	116	24	23	24	19	21
## 237	3	117	23	21	22	20	20
## 296.1	3	116	24	23	24	19	21
## 297	3	116	24	23	24	19	21
## 275	3	77	15	17	15	13	18
## 296.2	3	116	24	23	24	19	21
## 297.1	3	116	24	23	24	19	21
## 299	3	116	24	23	24	19	21
## 237.1	3	117	23	21	22	20	20
## 298	3	117	23	21	22	20	20
## 292	3	123	26	26	25	24	21
## 195.2	2	115	29	29	25	24	20
## 202.1	2	115	29	29	25	24	20
## 293	2	115	29	29	25	24	20
## 317	2	101	24	26	25	24	25
## 316	3	97	28	27	26	25	25
## 322	6	107	26	28	27	29	32
## 324	5	77	15	18	16	15	20
## 329	5	70	23	24	22	23	28
## 337	3	122	23	25	24	18	23
## 355	5	129	21	21	19	17	21
## 322.1	6	107	26	28	27	29	32
## 323	6	107	26	28	27	29	32
## 320	2	102	26	25	26	24	25
## 317.1	2	101	24	26	25	24	25
## 318	2	101	24	26	25	24	25
## 319	2	104	26	24	25	25	23

## 317.2	2	101	24	26	25	24	25
## 318.1	2	101	24	26	25	24	25
## 375	2	101	24	26	25	24	25
## 393	7	91	28	29	28	28	34
## 316.1	3	97	28	27	26	25	25
## 321	3	97	28	27	26	25	25
## 381	1	100	26	25	25	23	25
## 399	6	123	22	25	24	23	22
## 399.1	6	123	22	25	24	23	22
## 400	6	123	22	25	24	23	22
## 402	5	81	22	22	21	17	21
## 408	5	100	25	29	25	21	28
## 408.1	5	100	25	29	25	21	28
## 409	5	100	25	29	25	21	28
## 417	6	97	31	33	33	30	35
## 411	5	92	28	31	31	28	33
## 408.2	5	100	25	29	25	21	28
## 409.1	5	100	25	29	25	21	28
## 410	5	100	25	29	25	21	28
## 431	4	76	23	25	25	24	28
## 435	5	98	25	29	25	23	28
## 433	4	78	24	26	26	24	29
## 427	4	79	22	26	22	22	25
## 447	6	85	16	17	16	16	19
## 449	7	83	21	20	19	18	23
## 465	4	85	28	28	28	26	32
## 470	4	69	19	19	17	15	19
## 460	5	84	28	31	30	27	32
## 479	4	101	29	31	31	27	32
## 402.1	5	81	22	22	21	17	21
## 403	5	81	22	22	21	17	21
## 502	5	105	26	27	27	27	33
## 502.1	5	105	26	27	27	27	33
## 503	5	105	26	27	27	27	33
## 497	2	106	22	24	24	23	24
## 514	4	74	25	24	25	23	27
## 507	2	101	21	24	23	22	23
## 399.2	6	123	22	25	24	23	22
## 400.1	6	123	22	25	24	23	22
## 401	6	123	22	25	24	23	22
## 497.1	2	106	22	24	24	23	24
## 508	2	106	22	24	24	23	24
## 495	3	100	22	24	23	24	21
## 572	4	103	24	24	23	23	26
## 574	3	102	23	24	22	22	26
## 574.1	3	102	23	24	22	22	26
## 575	3	102	23	24	22	22	26
## 579	4	81	21	24	21	22	24
## 579.1	4	81	21	24	21	22	24
## 582	4	81	21	24	21	22	24
## 586	3	99	23	24	23	22	26
## 572.1	4	103	24	24	23	23	26
## 573	4	103	24	24	23	23	26
## 599	2	121	26	27	25	23	27

## 612	5	112	23	23	24	21	28
## 617	4	115	25	25	24	25	25
## 616	5	86	22	25	25	23	27
## 641	4	105	24	25	25	27	31
## 662	4	101	22	23	21	19	26
## 668	3	80	22	22	23	22	24
## 678	5	117	24	23	23	22	26
## 677	6	122	27	26	26	24	26
## 647	2	126	26	25	25	26	29
## 700	3	115	27	26	26	26	25
## 704	4	88	23	26	22	23	25
## 709	1	116	25	26	23	24	27
## 732	1	118	25	27	24	24	27
## 806	6	101	25	24	24	25	24
## 700.1	3	115	27	26	26	26	25
## 701	3	115	27	26	26	26	25
## 851	3	68	15	17	16	16	17
## 859	2	127	26	27	26	25	31
## 887	1	97	24	23	23	23	27
## 894	2	87	23	24	23	22	26
## 896	2	92	25	25	25	24	27
## 899	3	109	24	26	25	23	26
## 901	3	107	24	25	25	25	28
## 910	4	99	24	25	24	24	27
## 894.1	2	87	23	24	23	22	26
## 900	2	87	23	24	23	22	26
## 917	1	125	25	25	26	24	28
## 926	3	113	26	26	25	23	27
## 892	4	114	25	25	25	23	26
## 945	3	116	24	25	25	24	27
## 937	3	105	24	26	25	24	27
## 908	2	117	25	26	25	25	28
## 958	3	124	25	26	26	25	27
## 971	2	122	27	27	24	24	27
## 985	1	78	22	22	20	21	24
## 1019	4	75	20	18	19	21	25
## 1039	2	84	19	20	20	20	22
## 1017	4	75	19	18	17	19	25
## 1097	2	108	26	24	23	25	26
## 1135	5	108	25	24	24	23	26
## 1135.1	5	108	25	24	24	23	26
## 1136	5	108	25	24	24	23	26
## 1139	5	78	16	17	17	17	18
## 1139.1	5	78	16	17	17	17	18
## 1140	5	78	16	17	17	17	18
## 1145	7	107	23	24	26	23	26
## 1143	5	108	23	25	24	23	26
## 1145.1	7	107	23	24	26	23	26
## 1146	7	107	23	24	26	23	26
## 1138	7	109	24	24	25	23	26
## 1167	4	72	21	24	22	20	24
## 1173	3	76	22	24	22	20	25
## 1175	3	107	25	26	25	24	27
## 1178	4	103	24	25	24	24	26

## 1217	3	99	25	25	24	21	25
## 1211	1	108	25	28	26	26	30
## 1131	5	96	30	27	25	30	34
## 1250	3	111	23	23	23	21	23
## 1253	3	113	24	23	24	21	22
## 1268	4	108	29	30	30	31	35
## 1248	3	127	28	26	24	24	29
## 1249	2	127	30	26	24	24	29
## 1216	2	97	26	27	25	27	29
## 1216.1	2	97	26	27	25	27	29
## 1280	2	97	26	27	25	27	29
## 1266	3	79	23	25	25	23	30
## 1293	7	92	22	21	21	21	22
## 1295	6	88	13	15	17	18	20
## 1295.1	6	88	13	15	17	18	20
## 1296	6	88	13	15	17	18	20
## 1305	6	86	21	23	22	22	23
## 1308	4	83	11	13	13	15	17
## 1308.1	4	83	11	13	13	15	17
## 1309	4	83	11	13	13	15	17
## 1311	4	81	15	16	15	17	19
## 1315	6	79	11	13	16	16	18
## 1315.1	6	79	11	13	16	16	18
## 1316	6	79	11	13	16	16	18
## 1318	5	92	22	23	23	22	23
## 1320	5	95	22	23	23	21	23
## 1315.2	6	79	11	13	16	16	18
## 1316.1	6	79	11	13	16	16	18
## 1317	6	79	11	13	16	16	18
## 1327	3	87	19	21	19	20	21
## 1341	6	100	23	25	23	21	26
## 1345	4	101	25	24	23	22	25
## 1350	6	88	25	25	23	23	25
## 1408	4	103	24	24	22	23	29
## 1438	2	108	24	25	24	24	26
## 1443	3	97	26	24	25	24	26
## 1443.1	3	97	26	24	25	24	26
## 1444	3	97	26	24	25	24	26
## 1290	2	103	27	26	25	28	30
## 1465	1	101	25	26	25	25	28
## 1474	4	107	24	24	22	24	29
## 1474.1	4	107	24	24	22	24	29
## 1475	4	107	24	24	22	24	29
## 1485	2	79	19	19	18	19	23
## 1503	3	125	29	26	27	25	30
## 1506	3	122	30	26	26	25	31
## 1509	4	83	22	22	19	19	23
## 1533	6	97	22	24	23	23	26
## 1533.1	6	97	22	24	23	23	26
## 1534	6	97	22	24	23	23	26
## 1533.2	6	97	22	24	23	23	26
## 1534.1	6	97	22	24	23	23	26
## 1537	6	97	22	24	23	23	26
## 1533.3	6	97	22	24	23	23	26

## 1534.2	6	97	22	24	23	23	26
## 1537.1	6	97	22	24	23	23	26
## 1539	6	97	22	24	23	23	26
## 1545	3	106	23	25	24	24	26
## 1545.1	3	106	23	25	24	24	26
## 1546	3	106	23	25	24	24	26
## 1548	4	106	23	25	24	24	26
## 1552	3	86	21	24	23	23	25
## 1552.1	3	86	21	24	23	23	25
## 1557	3	86	21	24	23	23	25
## 1571	2	121	27	26	26	25	28
## 1580	4	91	15	17	16	14	16
## 1570	4	119	25	25	26	20	29
## 1584	4	85	15	16	15	12	14
## 1584.1	4	85	15	16	15	12	14
## 1606	4	85	15	16	15	12	14
## 1609	6	111	25	24	25	22	27
## 1612	3	73	19	18	17	20	21
## 1624	5	93	20	22	20	18	20
## 1629	4	83	20	22	20	19	20
## 1631	5	89	21	23	19	19	23
## 1642	2	122	26	26	25	25	27
## 1663	1	121	26	27	25	24	28
## 1702	4	111	20	21	18	19	24
## 1700	3	120	23	23	22	22	27
## 1719	3	128	28	25	26	22	31
## 1719.1	3	128	28	25	26	22	31
## 1720	3	128	28	25	26	22	31
## 1731	2	94	26	26	24	23	28
## 1742	2	94	26	26	27	26	31
## 1698	2	128	30	26	26	25	31
## 1749	2	105	26	28	26	28	32
## 1741	2	105	27	29	26	29	32
## 1768	3	122	23	23	23	23	30
## 1807	2	111	29	27	25	25	27
## 1771	1	118	26	24	25	26	27
## 1814	4	90	15	17	18	19	23
## 1830	5	70	15	15	16	18	19
## 1848	5	89	24	24	23	22	24
## 1853	3	97	22	24	22	20	23
## 1863	5	109	18	20	20	17	19
## 1862	5	107	18	20	19	17	17
## 1862.1	5	107	18	20	19	17	17
## 1867	5	107	18	20	19	17	17
## 1865	4	103	19	21	20	17	19
## 1862.2	5	107	18	20	19	17	17
## 1867.1	5	107	18	20	19	17	17
## 1868	5	107	18	20	19	17	17
## 1862.3	5	107	18	20	19	17	17
## 1867.2	5	107	18	20	19	17	17
## 1868.1	5	107	18	20	19	17	17
## 1872	5	107	18	20	19	17	17
## 1879	1	103	25	25	24	21	26
## 1911	2	105	26	26	27	27	31



## 1952	1	108	26	26	26	27	31
## 1954	2	100	27	25	24	26	28
## 1973	3	87	19	18	16	15	21
## 1989	2	71	18	16	17	19	21
## 1994	5	96	23	24	22	24	29
## 1996	5	94	24	24	23	24	29
## 1998	4	89	18	17	17	16	19
## 1998.1	4	89	18	17	17	16	19
## 1999	4	89	18	17	17	16	19
## 2001	4	98	22	21	20	21	25
## 2021	3	89	20	19	17	14	21
## 2015	3	92	22	21	19	14	25
## 2029	4	92	23	23	21	21	24
## 2034	4	106	22	25	23	23	24
## 2039	4	92	17	20	17	16	17
## 2045	4	89	16	17	16	13	16
## 2064	2	97	23	24	23	19	23
## 2062	2	97	22	23	21	20	23
## 2069	3	104	23	23	22	22	23
## 2064.1	2	97	23	24	23	19	23
## 2070	2	97	23	24	23	19	23
## 2101	1	108	29	26	25	24	30
## 2110	1	113	30	27	26	25	29
## 2113	2	116	24	24	24	22	24
## 2131	2	134	29	26	25	24	27
## 2131.1	2	134	29	26	25	24	27
## 2132	2	134	29	26	25	24	27
## 2135	4	122	25	25	26	24	26
## 2145	1	122	28	27	26	26	31
## 2153	2	117	27	27	26	29	32
## 2162	4	84	21	24	22	22	29
## 2162.1	4	84	21	24	22	22	29
## 2163	4	84	21	24	22	22	29
## 2168	3	84	22	23	19	21	26
## 2168.1	3	84	22	23	19	21	26
## 2169	3	84	22	23	19	21	26
## 2179	3	85	22	22	21	21	27
## 2178	3	86	22	23	20	22	27
## 2182	3	83	21	22	20	21	27
## 2162.2	4	84	21	24	22	22	29
## 2163.1	4	84	21	24	22	22	29
## 2164	4	84	21	24	22	22	29
## 2187	4	83	22	22	20	21	27
## 2162.3	4	84	21	24	22	22	29
## 2163.2	4	84	21	24	22	22	29
## 2164.1	4	84	21	24	22	22	29
## 2184	4	84	21	24	22	22	29
## 2174	3	97	24	23	21	22	28
## 2179.1	3	85	22	22	21	21	27
## 2180	3	85	22	22	21	21	27
## 2212	4	121	29	27	24	23	31
## 2229	4	72	18	18	20	18	24
## 2229.1	4	72	18	18	20	18	24
## 2230	4	72	18	18	20	18	24

## 2237	3	118	24	25	20	23	27
## 2247	5	111	24	24	24	25	25
## 2252	4	114	25	24	25	24	27
## 2275	2	112	23	24	24	22	24
## 2282	2	101	25	25	24	21	26
## 2273	2	114	25	24	23	23	26
## 2273.1	2	114	25	24	23	23	26
## 2285	2	114	25	24	23	23	26
## 2287	2	100	22	24	24	21	24
## 2292	2	115	23	24	23	21	25
## 2297	1	89	23	24	22	20	24
## 2300	1	95	22	24	22	21	24
## 2302	1	102	25	25	24	22	27
## 2308	3	109	24	25	23	23	26
## 2308.1	3	109	24	25	23	23	26
## 2309	3	109	24	25	23	23	26
## 2323	3	114	25	25	24	24	26
## 2339	2	117	25	26	23	23	27
## 2357	2	109	28	26	26	24	28
## 2360	1	100	25	28	25	25	30
## 2349	2	106	26	29	26	26	32
## 2367	1	137	30	28	26	23	34
## 2366	2	120	28	30	27	30	33
## 2380	1	120	31	27	26	26	30
## 2418	2	139	27	27	25	22	28
## 2433	2	138	26	26	26	26	32
## 2442	3	137	29	27	26	29	34
## 2450	2	135	25	27	26	27	33
## 2463	4	84	20	21	15	17	25
## 2480	4	128	27	28	20	27	35
## 2493	3	105	23	24	22	21	27
## 2504	3	115	24	26	19	23	27
## 2508	3	127	26	27	23	19	31
## 2512	3	131	24	27	25	21	27
## 2525	5	110	24	24	23	23	24
## 2533	4	117	24	26	26	25	28
## 2541	3	114	24	26	23	24	26
## 2548	1	108	24	25	24	23	27
## 2556	4	91	24	25	23	24	26
## 2568	3	110	24	25	24	24	27
## 2574	2	112	25	26	24	25	27
## 2573	1	117	25	26	24	24	26
## 2574.1	2	112	25	26	24	25	27
## 2575	2	112	25	26	24	25	27
## 2585	2	118	25	26	24	24	26
## 2574.2	2	112	25	26	24	25	27
## 2575.1	2	112	25	26	24	25	27
## 2579	2	112	25	26	24	25	27
## 2574.3	2	112	25	26	24	25	27
## 2575.2	2	112	25	26	24	25	27
## 2579.1	2	112	25	26	24	25	27
## 2591	2	112	25	26	24	25	27
## 2574.4	2	112	25	26	24	25	27
##	tx6mod3a Bioclivs Climavs Cobervs Ecosivs Geolovs Geomovs Pisosvs						

## 3	28	1	1	3	4	2	26	9
## 3.1	28	1	1	3	4	2	26	9
## 4	28	1	1	3	4	2	26	9
## 2	27	1	1	3	5	2	12	9
## 11	25	1	1	3	4	1	10	9
## 11.1	25	1	1	3	4	1	10	9
## 12	25	1	1	3	4	1	10	9
## 11.2	25	1	1	3	4	1	10	9
## 12.1	25	1	1	3	4	1	10	9
## 13	25	1	1	3	4	1	10	9
## 11.3	25	1	1	3	4	1	10	9
## 12.2	25	1	1	3	4	1	10	9
## 13.1	25	1	1	3	4	1	10	9
## 14	25	1	1	3	4	1	10	9
## 11.4	25	1	1	3	4	1	10	9
## 12.3	25	1	1	3	4	1	10	9
## 13.2	25	1	1	3	4	1	10	9
## 14.1	25	1	1	3	4	1	10	9
## 15	25	1	1	3	4	1	10	9
## 17	29	1	3	3	4	4	51	9
## 11.5	25	1	1	3	4	1	10	9
## 12.4	25	1	1	3	4	1	10	9
## 13.3	25	1	1	3	4	1	10	9
## 14.2	25	1	1	3	4	1	10	9
## 15.1	25	1	1	3	4	1	10	9
## 16	25	1	1	3	4	1	10	9
## 17.1	29	1	3	3	4	4	51	9
## 18	29	1	3	3	4	4	51	9
## 17.2	29	1	3	3	4	4	51	9
## 18.1	29	1	3	3	4	4	51	9
## 21	29	1	3	3	4	4	51	9
## 17.3	29	1	3	3	4	4	51	9
## 18.2	29	1	3	3	4	4	51	9
## 21.1	29	1	3	3	4	4	51	9
## 22	29	1	3	3	4	4	51	9
## 17.4	29	1	3	3	4	4	51	9
## 18.3	29	1	3	3	4	4	51	9
## 21.2	29	1	3	3	4	4	51	9
## 22.1	29	1	3	3	4	4	51	9
## 23	29	1	3	3	4	4	51	9
## 17.5	29	1	3	3	4	4	51	9
## 18.4	29	1	3	3	4	4	51	9
## 21.3	29	1	3	3	4	4	51	9
## 22.2	29	1	3	3	4	4	51	9
## 23.1	29	1	3	3	4	4	51	9
## 24	29	1	3	3	4	4	51	9
## 17.6	29	1	3	3	4	4	51	9
## 18.5	29	1	3	3	4	4	51	9
## 21.4	29	1	3	3	4	4	51	9
## 22.3	29	1	3	3	4	4	51	9
## 23.2	29	1	3	3	4	4	51	9
## 24.1	29	1	3	3	4	4	51	9
## 25	29	1	3	3	4	4	51	9
## 17.7	29	1	3	3	4	4	51	9

## 18.6	29	1	3	3	4	4	51	9
## 21.5	29	1	3	3	4	4	51	9
## 22.4	29	1	3	3	4	4	51	9
## 23.3	29	1	3	3	4	4	51	9
## 24.2	29	1	3	3	4	4	51	9
## 25.1	29	1	3	3	4	4	51	9
## 26	29	1	3	3	4	4	51	9
## 17.8	29	1	3	3	4	4	51	9
## 18.7	29	1	3	3	4	4	51	9
## 21.6	29	1	3	3	4	4	51	9
## 22.5	29	1	3	3	4	4	51	9
## 23.4	29	1	3	3	4	4	51	9
## 24.3	29	1	3	3	4	4	51	9
## 25.2	29	1	3	3	4	4	51	9
## 26.1	29	1	3	3	4	4	51	9
## 27	29	1	3	3	4	4	51	9
## 17.9	29	1	3	3	4	4	51	9
## 18.8	29	1	3	3	4	4	51	9
## 21.7	29	1	3	3	4	4	51	9
## 22.6	29	1	3	3	4	4	51	9
## 23.5	29	1	3	3	4	4	51	9
## 24.4	29	1	3	3	4	4	51	9
## 25.3	29	1	3	3	4	4	51	9
## 26.2	29	1	3	3	4	4	51	9
## 27.1	29	1	3	3	4	4	51	9
## 28	29	1	3	3	4	4	51	9
## 17.10	29	1	3	3	4	4	51	9
## 18.9	29	1	3	3	4	4	51	9
## 21.8	29	1	3	3	4	4	51	9
## 22.7	29	1	3	3	4	4	51	9
## 23.6	29	1	3	3	4	4	51	9
## 24.5	29	1	3	3	4	4	51	9
## 25.4	29	1	3	3	4	4	51	9
## 26.3	29	1	3	3	4	4	51	9
## 27.2	29	1	3	3	4	4	51	9
## 28.1	29	1	3	3	4	4	51	9
## 29	29	1	3	3	4	4	51	9
## 17.11	29	1	3	3	4	4	51	9
## 18.10	29	1	3	3	4	4	51	9
## 21.9	29	1	3	3	4	4	51	9
## 22.8	29	1	3	3	4	4	51	9
## 23.7	29	1	3	3	4	4	51	9
## 24.6	29	1	3	3	4	4	51	9
## 25.5	29	1	3	3	4	4	51	9
## 26.4	29	1	3	3	4	4	51	9
## 27.3	29	1	3	3	4	4	51	9
## 28.2	29	1	3	3	4	4	51	9
## 29.1	29	1	3	3	4	4	51	9
## 30	29	1	3	3	4	4	51	9
## 17.12	29	1	3	3	4	4	51	9
## 18.11	29	1	3	3	4	4	51	9
## 21.10	29	1	3	3	4	4	51	9
## 22.9	29	1	3	3	4	4	51	9
## 23.8	29	1	3	3	4	4	51	9

## 24.7	29	1	3	3	4	4	51	9
## 25.6	29	1	3	3	4	4	51	9
## 26.5	29	1	3	3	4	4	51	9
## 27.4	29	1	3	3	4	4	51	9
## 28.3	29	1	3	3	4	4	51	9
## 29.2	29	1	3	3	4	4	51	9
## 30.1	29	1	3	3	4	4	51	9
## 31	29	1	3	3	4	4	51	9
## 17.13	29	1	3	3	4	4	51	9
## 18.12	29	1	3	3	4	4	51	9
## 21.11	29	1	3	3	4	4	51	9
## 22.10	29	1	3	3	4	4	51	9
## 23.9	29	1	3	3	4	4	51	9
## 24.8	29	1	3	3	4	4	51	9
## 25.7	29	1	3	3	4	4	51	9
## 26.6	29	1	3	3	4	4	51	9
## 27.5	29	1	3	3	4	4	51	9
## 28.4	29	1	3	3	4	4	51	9
## 29.3	29	1	3	3	4	4	51	9
## 30.2	29	1	3	3	4	4	51	9
## 31.1	29	1	3	3	4	4	51	9
## 32	29	1	3	3	4	4	51	9
## 17.14	29	1	3	3	4	4	51	9
## 18.13	29	1	3	3	4	4	51	9
## 21.12	29	1	3	3	4	4	51	9
## 22.11	29	1	3	3	4	4	51	9
## 23.10	29	1	3	3	4	4	51	9
## 24.9	29	1	3	3	4	4	51	9
## 25.8	29	1	3	3	4	4	51	9
## 26.7	29	1	3	3	4	4	51	9
## 27.6	29	1	3	3	4	4	51	9
## 28.5	29	1	3	3	4	4	51	9
## 29.4	29	1	3	3	4	4	51	9
## 30.3	29	1	3	3	4	4	51	9
## 31.2	29	1	3	3	4	4	51	9
## 32.1	29	1	3	3	4	4	51	9
## 33	29	1	3	3	4	4	51	9
## 17.15	29	1	3	3	4	4	51	9
## 18.14	29	1	3	3	4	4	51	9
## 21.13	29	1	3	3	4	4	51	9
## 22.12	29	1	3	3	4	4	51	9
## 23.11	29	1	3	3	4	4	51	9
## 24.10	29	1	3	3	4	4	51	9
## 25.9	29	1	3	3	4	4	51	9
## 26.8	29	1	3	3	4	4	51	9
## 27.7	29	1	3	3	4	4	51	9
## 28.6	29	1	3	3	4	4	51	9
## 29.5	29	1	3	3	4	4	51	9
## 30.4	29	1	3	3	4	4	51	9
## 31.3	29	1	3	3	4	4	51	9
## 32.2	29	1	3	3	4	4	51	9
## 33.1	29	1	3	3	4	4	51	9
## 34	29	1	3	3	4	4	51	9
## 17.16	29	1	3	3	4	4	51	9

## 18.15	29	1	3	3	4	4	51	9
## 21.14	29	1	3	3	4	4	51	9
## 22.13	29	1	3	3	4	4	51	9
## 23.12	29	1	3	3	4	4	51	9
## 24.11	29	1	3	3	4	4	51	9
## 25.10	29	1	3	3	4	4	51	9
## 26.9	29	1	3	3	4	4	51	9
## 27.8	29	1	3	3	4	4	51	9
## 28.7	29	1	3	3	4	4	51	9
## 29.6	29	1	3	3	4	4	51	9
## 30.5	29	1	3	3	4	4	51	9
## 31.4	29	1	3	3	4	4	51	9
## 32.3	29	1	3	3	4	4	51	9
## 33.2	29	1	3	3	4	4	51	9
## 34.1	29	1	3	3	4	4	51	9
## 35	29	1	3	3	4	4	51	9
## 17.17	29	1	3	3	4	4	51	9
## 18.16	29	1	3	3	4	4	51	9
## 21.15	29	1	3	3	4	4	51	9
## 22.14	29	1	3	3	4	4	51	9
## 23.13	29	1	3	3	4	4	51	9
## 24.12	29	1	3	3	4	4	51	9
## 25.11	29	1	3	3	4	4	51	9
## 26.10	29	1	3	3	4	4	51	9
## 27.9	29	1	3	3	4	4	51	9
## 28.8	29	1	3	3	4	4	51	9
## 29.7	29	1	3	3	4	4	51	9
## 30.6	29	1	3	3	4	4	51	9
## 31.5	29	1	3	3	4	4	51	9
## 32.4	29	1	3	3	4	4	51	9
## 33.3	29	1	3	3	4	4	51	9
## 34.2	29	1	3	3	4	4	51	9
## 35.1	29	1	3	3	4	4	51	9
## 36	29	1	3	3	4	4	51	9
## 17.18	29	1	3	3	4	4	51	9
## 18.17	29	1	3	3	4	4	51	9
## 21.16	29	1	3	3	4	4	51	9
## 22.15	29	1	3	3	4	4	51	9
## 23.14	29	1	3	3	4	4	51	9
## 24.13	29	1	3	3	4	4	51	9
## 25.12	29	1	3	3	4	4	51	9
## 26.11	29	1	3	3	4	4	51	9
## 27.10	29	1	3	3	4	4	51	9
## 28.9	29	1	3	3	4	4	51	9
## 29.8	29	1	3	3	4	4	51	9
## 30.7	29	1	3	3	4	4	51	9
## 31.6	29	1	3	3	4	4	51	9
## 32.5	29	1	3	3	4	4	51	9
## 33.4	29	1	3	3	4	4	51	9
## 34.3	29	1	3	3	4	4	51	9
## 35.2	29	1	3	3	4	4	51	9
## 36.1	29	1	3	3	4	4	51	9
## 37	29	1	3	3	4	4	51	9
## 17.19	29	1	3	3	4	4	51	9

## 18.18	29	1	3	3	4	4	51	9
## 21.17	29	1	3	3	4	4	51	9
## 22.16	29	1	3	3	4	4	51	9
## 23.15	29	1	3	3	4	4	51	9
## 24.14	29	1	3	3	4	4	51	9
## 25.13	29	1	3	3	4	4	51	9
## 26.12	29	1	3	3	4	4	51	9
## 27.11	29	1	3	3	4	4	51	9
## 28.10	29	1	3	3	4	4	51	9
## 29.9	29	1	3	3	4	4	51	9
## 30.8	29	1	3	3	4	4	51	9
## 31.7	29	1	3	3	4	4	51	9
## 32.6	29	1	3	3	4	4	51	9
## 33.5	29	1	3	3	4	4	51	9
## 34.4	29	1	3	3	4	4	51	9
## 35.3	29	1	3	3	4	4	51	9
## 36.2	29	1	3	3	4	4	51	9
## 37.1	29	1	3	3	4	4	51	9
## 38	29	1	3	3	4	4	51	9
## 17.20	29	1	3	3	4	4	51	9
## 18.19	29	1	3	3	4	4	51	9
## 21.18	29	1	3	3	4	4	51	9
## 22.17	29	1	3	3	4	4	51	9
## 23.16	29	1	3	3	4	4	51	9
## 24.15	29	1	3	3	4	4	51	9
## 25.14	29	1	3	3	4	4	51	9
## 26.13	29	1	3	3	4	4	51	9
## 27.12	29	1	3	3	4	4	51	9
## 28.11	29	1	3	3	4	4	51	9
## 29.10	29	1	3	3	4	4	51	9
## 30.9	29	1	3	3	4	4	51	9
## 31.8	29	1	3	3	4	4	51	9
## 32.7	29	1	3	3	4	4	51	9
## 33.6	29	1	3	3	4	4	51	9
## 34.5	29	1	3	3	4	4	51	9
## 35.4	29	1	3	3	4	4	51	9
## 36.3	29	1	3	3	4	4	51	9
## 37.2	29	1	3	3	4	4	51	9
## 38.1	29	1	3	3	4	4	51	9
## 39	29	1	3	3	4	4	51	9
## 17.21	29	1	3	3	4	4	51	9
## 18.20	29	1	3	3	4	4	51	9
## 21.19	29	1	3	3	4	4	51	9
## 22.18	29	1	3	3	4	4	51	9
## 23.17	29	1	3	3	4	4	51	9
## 24.16	29	1	3	3	4	4	51	9
## 25.15	29	1	3	3	4	4	51	9
## 26.14	29	1	3	3	4	4	51	9
## 27.13	29	1	3	3	4	4	51	9
## 28.12	29	1	3	3	4	4	51	9
## 29.11	29	1	3	3	4	4	51	9
## 30.10	29	1	3	3	4	4	51	9
## 31.9	29	1	3	3	4	4	51	9
## 32.8	29	1	3	3	4	4	51	9

## 33.7	29	1	3	3	4	4	51	9
## 34.6	29	1	3	3	4	4	51	9
## 35.5	29	1	3	3	4	4	51	9
## 36.4	29	1	3	3	4	4	51	9
## 37.3	29	1	3	3	4	4	51	9
## 38.2	29	1	3	3	4	4	51	9
## 39.1	29	1	3	3	4	4	51	9
## 41	29	1	3	3	4	4	51	9
## 10	29	1	1	2	4	1	8	9
## 50	27	1	2	3	5	2	50	9
## 51	25	1	2	2	5	2	50	9
## 58	26	1	2	2	5	1	50	9
## 44	26	1	1	3	4	1	26	9
## 49	25	1	1	3	4	4	10	9
## 9	27	1	3	3	4	10	49	9
## 58.1	26	1	2	2	5	1	50	9
## 59	26	1	2	2	5	1	50	9
## 74	27	1	3	2	4	6	49	9
## 76	27	1	1	2	5	4	26	9
## 88	26	1	1	2	5	4	26	9
## 83	26	1	1	3	5	4	26	9
## 89	28	1	1	2	5	1	49	9
## 79	28	1	1	3	5	4	49	9
## 76.1	27	1	1	2	5	4	26	9
## 77	27	1	1	2	5	4	26	9
## 73	25	1	2	3	5	10	13	9
## 72	23	1	1	3	5	10	26	9
## 71	25	1	1	3	5	4	26	9
## 96	23	1	1	5	5	4	26	9
## 74.1	27	1	3	2	4	6	49	9
## 75	27	1	3	2	4	6	49	9
## 104	31	3	4	3	4	1	13	9
## 119	26	1	3	2	4	10	51	9
## 129	13	1	6	4	16	18	38	3
## 128	26	1	6	3	4	17	46	1
## 122	24	1	6	3	4	17	26	1
## 142	28	2	3	2	13	1	45	7
## 150	25	2	3	2	10	8	21	9
## 121	29	2	3	3	10	8	12	9
## 167	25	2	3	3	4	8	49	9
## 121.1	29	2	3	3	10	8	12	9
## 154	29	2	3	3	10	8	12	9
## 142.1	28	2	3	2	13	1	45	7
## 146	28	2	3	2	13	1	45	7
## 119.1	26	1	3	2	4	10	51	9
## 120	26	1	3	2	4	10	51	9
## 177	24	1	2	2	5	8	51	9
## 174	27	2	3	3	4	8	49	9
## 175	24	1	3	3	4	10	48	9
## 176	26	1	3	3	4	4	9	9
## 135	25	1	1	3	4	5	47	7
## 169	28	1	3	3	4	8	12	9
## 196	21	2	3	2	13	8	21	7
## 196.1	21	2	3	2	13	8	21	7



## 197	21	2	3	2	13	8	21	7
## 196.2	21	2	3	2	13	8	21	7
## 197.1	21	2	3	2	13	8	21	7
## 198	21	2	3	2	13	8	21	7
## 196.3	21	2	3	2	13	8	21	7
## 197.2	21	2	3	2	13	8	21	7
## 198.1	21	2	3	2	13	8	21	7
## 199	21	2	3	2	13	8	21	7
## 196.4	21	2	3	2	13	8	21	7
## 197.3	21	2	3	2	13	8	21	7
## 198.2	21	2	3	2	13	8	21	7
## 199.1	21	2	3	2	13	8	21	7
## 200	21	2	3	2	13	8	21	7
## 195	25	1	3	3	4	10	12	9
## 206	15	1	6	2	23	17	27	2
## 208	16	1	6	3	4	17	26	2
## 213	15	1	6	3	4	17	27	2
## 213.1	15	1	6	3	4	17	27	2
## 214	15	1	6	3	4	17	27	2
## 213.2	15	1	6	3	4	17	27	2
## 214.1	15	1	6	3	4	17	27	2
## 215	15	1	6	3	4	17	27	2
## 217	14	1	6	2	23	24	27	2
## 217.1	14	1	6	2	23	24	27	2
## 218	14	1	6	2	23	24	27	2
## 231	22	1	6	3	4	18	38	2
## 242	19	1	6	3	16	18	26	3
## 250	20	1	6	3	4	17	5	2
## 223	18	1	9	3	4	19	38	3
## 238	23	1	3	2	5	4	49	9
## 246	18	2	9	3	4	19	38	1
## 246.1	18	2	9	3	4	19	38	1
## 260	18	2	9	3	4	19	38	1
## 282	23	1	6	3	4	17	2	2
## 284	29	2	3	5	4	8	13	9
## 196.5	21	2	3	2	13	8	21	7
## 197.4	21	2	3	2	13	8	21	7
## 198.3	21	2	3	2	13	8	21	7
## 199.2	21	2	3	2	13	8	21	7
## 200.1	21	2	3	2	13	8	21	7
## 201	21	2	3	2	13	8	21	7
## 195.1	25	1	3	3	4	10	12	9
## 202	25	1	3	3	4	10	12	9
## 238.1	23	1	3	2	5	4	49	9
## 254	23	1	3	2	5	4	49	9
## 296	25	1	3	2	4	1	44	9
## 237	23	1	3	2	4	4	49	9
## 296.1	25	1	3	2	4	1	44	9
## 297	25	1	3	2	4	1	44	9
## 275	20	1	6	3	4	19	26	3
## 296.2	25	1	3	2	4	1	44	9
## 297.1	25	1	3	2	4	1	44	9
## 299	25	1	3	2	4	1	44	9
## 237.1	23	1	3	2	4	4	49	9

## 298	23	1	3	2	4	4	49	9
## 292	22	1	3	3	4	10	3	9
## 195.2	25	1	3	3	4	10	12	9
## 202.1	25	1	3	3	4	10	12	9
## 293	25	1	3	3	4	10	12	9
## 317	25	1	1	2	4	8	30	9
## 316	26	2	3	5	4	8	13	9
## 322	31	2	9	4	4	27	46	4
## 324	19	1	6	3	26	18	2	4
## 329	29	2	5	3	4	19	47	1
## 337	28	1	9	3	4	17	41	1
## 355	24	1	9	3	4	17	46	1
## 322.1	31	2	9	4	4	27	46	4
## 323	31	2	9	4	4	27	46	4
## 320	30	2	3	3	4	8	49	7
## 317.1	25	1	1	2	4	8	30	9
## 318	25	1	1	2	4	8	30	9
## 319	25	2	3	3	4	6	51	9
## 317.2	25	1	1	2	4	8	30	9
## 318.1	25	1	1	2	4	8	30	9
## 375	25	1	1	2	4	8	30	9
## 393	32	3	5	4	4	17	46	4
## 316.1	26	2	3	5	4	8	13	9
## 321	26	2	3	5	4	8	13	9
## 381	28	2	3	3	4	8	21	7
## 399	25	2	3	3	4	10	26	9
## 399.1	25	2	3	3	4	10	26	9
## 400	25	2	3	3	4	10	26	9
## 402	23	1	6	3	4	24	46	1
## 408	30	2	9	3	4	37	46	4
## 408.1	30	2	9	3	4	37	46	4
## 409	30	2	9	3	4	37	46	4
## 417	36	3	9	3	4	28	8	4
## 411	36	3	9	3	4	28	46	1
## 408.2	30	2	9	3	4	37	46	4
## 409.1	30	2	9	3	4	37	46	4
## 410	30	2	9	3	4	37	46	4
## 431	31	2	9	3	4	34	46	1
## 435	30	3	9	3	4	34	46	1
## 433	30	2	9	3	4	34	46	1
## 427	28	1	9	3	4	34	26	1
## 447	19	1	9	2	26	26	46	4
## 449	22	1	1	2	26	25	2	4
## 465	31	3	5	3	4	17	46	1
## 470	22	1	9	4	4	18	46	1
## 460	34	3	9	3	4	17	41	1
## 479	34	3	9	3	4	28	8	4
## 402.1	23	1	6	3	4	24	46	1
## 403	23	1	6	3	4	24	46	1
## 502	31	3	9	4	4	17	4	1
## 502.1	31	3	9	4	4	17	4	1
## 503	31	3	9	4	4	17	4	1
## 497	25	1	1	2	4	13	38	9
## 514	28	2	9	3	4	17	46	1

## 507	24	1	1	3	4	13	38	9
## 399.2	25	2	3	3	4	10	26	9
## 400.1	25	2	3	3	4	10	26	9
## 401	25	2	3	3	4	10	26	9
## 497.1	25	1	1	2	4	13	38	9
## 508	25	1	1	2	4	13	38	9
## 495	25	1	1	3	5	32	38	9
## 572	24	1	2	3	30	40	27	7
## 574	24	1	2	2	30	40	27	7
## 574.1	24	1	2	2	30	40	27	7
## 575	24	1	2	2	30	40	27	7
## 579	23	1	1	2	30	30	27	7
## 579.1	23	1	1	2	30	30	27	7
## 582	23	1	1	2	30	30	27	7
## 586	25	1	1	5	30	40	27	7
## 572.1	24	1	2	3	30	40	27	7
## 573	24	1	2	3	30	40	27	7
## 599	25	1	2	2	28	39	26	9
## 612	30	2	9	3	4	17	4	1
## 617	26	1	1	3	4	32	7	7
## 616	29	2	9	3	4	17	38	1
## 641	30	2	9	3	4	17	4	1
## 662	29	2	9	3	4	17	26	1
## 668	23	2	1	2	4	11	43	7
## 678	27	1	1	5	4	3	8	7
## 677	28	2	1	3	4	10	7	9
## 647	28	2	3	3	4	4	51	9
## 700	32	2	3	3	4	10	21	9
## 704	24	1	2	2	30	55	39	7
## 709	25	1	2	2	28	41	6	9
## 732	26	1	2	2	28	44	7	9
## 806	25	1	1	3	4	3	22	7
## 700.1	32	2	3	3	4	10	21	9
## 701	32	2	3	3	4	10	21	9
## 851	17	2	9	3	4	18	38	2
## 859	32	2	3	3	4	4	31	9
## 887	24	1	2	3	1	40	16	7
## 894	24	1	2	3	30	47	27	7
## 896	25	1	2	3	30	47	27	7
## 899	25	1	2	3	4	55	43	9
## 901	25	1	2	2	4	55	26	9
## 910	25	1	2	2	30	55	27	7
## 894.1	24	1	2	3	30	47	27	7
## 900	24	1	2	3	30	47	27	7
## 917	26	1	2	2	36	44	26	9
## 926	26	1	2	2	4	55	43	9
## 892	24	1	2	2	30	55	27	7
## 945	26	1	1	3	4	40	26	7
## 937	25	1	1	2	30	40	26	7
## 908	26	1	1	3	4	47	7	7
## 958	24	1	2	2	36	44	7	9
## 971	26	1	2	2	4	39	26	9
## 985	25	1	1	3	4	23	2	4
## 1019	24	2	9	3	4	18	46	1

## 1039	22	1	1	2	11	3	38	4
## 1017	24	2	9	3	4	11	46	1
## 1097	25	1	1	3	4	3	43	7
## 1135	27	1	1	3	8	11	26	7
## 1135.1	27	1	1	3	8	11	26	7
## 1136	27	1	1	3	8	11	26	7
## 1139	18	1	1	3	4	23	38	4
## 1139.1	18	1	1	3	4	23	38	4
## 1140	18	1	1	3	4	23	38	4
## 1145	27	1	1	3	4	3	26	7
## 1143	26	1	1	3	4	11	26	7
## 1145.1	27	1	1	3	4	3	26	7
## 1146	27	1	1	3	4	3	26	7
## 1138	26	1	1	3	4	3	26	7
## 1167	24	1	1	2	26	52	1	4
## 1173	23	1	1	2	30	52	39	4
## 1175	25	1	2	2	4	52	12	7
## 1178	25	1	1	3	4	40	27	7
## 1217	26	2	4	2	4	11	53	9
## 1211	32	2	3	3	4	10	51	9
## 1131	37	2	9	6	4	17	41	1
## 1250	23	2	4	2	4	46	14	9
## 1253	23	3	4	3	4	46	45	9
## 1268	35	3	5	3	4	48	4	1
## 1248	32	2	1	3	4	4	45	9
## 1249	30	2	1	3	4	4	43	9
## 1216	30	2	4	3	4	11	12	9
## 1216.1	30	2	4	3	4	11	12	9
## 1280	30	2	4	3	4	11	12	9
## 1266	31	3	5	3	4	17	5	1
## 1293	22	1	1	3	8	23	26	7
## 1295	19	1	1	2	4	7	26	4
## 1295.1	19	1	1	2	4	7	26	4
## 1296	19	1	1	2	4	7	26	4
## 1305	22	1	1	3	4	23	38	7
## 1308	17	1	1	3	14	7	2	1
## 1308.1	17	1	1	3	14	7	2	1
## 1309	17	1	1	3	14	7	2	1
## 1311	18	1	1	2	14	23	38	1
## 1315	19	1	1	2	11	7	38	4
## 1315.1	19	1	1	2	11	7	38	4
## 1316	19	1	1	2	11	7	38	4
## 1318	24	1	1	3	4	11	26	7
## 1320	23	1	1	3	4	23	38	7
## 1315.2	19	1	1	2	11	7	38	4
## 1316.1	19	1	1	2	11	7	38	4
## 1317	19	1	1	2	11	7	38	4
## 1327	22	1	1	2	11	23	26	4
## 1341	24	1	1	3	4	11	26	7
## 1345	24	1	1	3	4	3	26	7
## 1350	25	1	1	3	4	7	2	7
## 1408	29	2	9	3	4	17	47	1
## 1438	25	3	4	3	40	11	45	9
## 1443	27	3	4	3	4	11	8	9

## 1443.1	27	3	4	3	4	11	8	9
## 1444	27	3	4	3	4	11	8	9
## 1290	36	3	4	3	4	43	49	7
## 1465	32	2	3	3	4	10	51	7
## 1474	29	2	9	2	4	17	47	1
## 1474.1	29	2	9	2	4	17	47	1
## 1475	29	2	9	2	4	17	47	1
## 1485	25	1	9	3	4	34	41	2
## 1503	30	1	1	3	4	2	22	9
## 1506	30	2	1	3	4	4	50	9
## 1509	26	1	6	3	4	18	46	1
## 1533	26	2	1	3	4	3	38	7
## 1533.1	26	2	1	3	4	3	38	7
## 1534	26	2	1	3	4	3	38	7
## 1533.2	26	2	1	3	4	3	38	7
## 1534.1	26	2	1	3	4	3	38	7
## 1537	26	2	1	3	4	3	38	7
## 1533.3	26	2	1	3	4	3	38	7
## 1534.2	26	2	1	3	4	3	38	7
## 1537.1	26	2	1	3	4	3	38	7
## 1539	26	2	1	3	4	3	38	7
## 1545	26	2	1	3	4	3	2	7
## 1545.1	26	2	1	3	4	3	2	7
## 1546	26	2	1	3	4	3	2	7
## 1548	26	2	1	2	4	3	2	7
## 1552	24	1	1	3	4	16	2	7
## 1552.1	24	1	1	3	4	16	2	7
## 1557	24	1	1	3	4	16	2	7
## 1571	29	2	1	2	4	3	26	7
## 1580	16	1	6	3	24	26	46	1
## 1570	27	2	1	5	4	3	43	7
## 1584	16	1	6	3	4	33	46	1
## 1584.1	16	1	6	3	4	33	46	1
## 1606	16	1	6	3	4	33	46	1
## 1609	27	2	1	3	4	3	26	7
## 1612	20	1	1	3	4	7	26	4
## 1624	22	1	1	3	4	59	46	4
## 1629	22	1	1	2	24	36	46	1
## 1631	23	1	1	3	26	59	46	4
## 1642	26	1	2	5	1	44	54	9
## 1663	27	1	2	3	4	51	7	9
## 1702	24	1	6	3	4	17	5	1
## 1700	25	2	9	3	4	17	5	1
## 1719	31	1	1	3	4	3	43	9
## 1719.1	31	1	1	3	4	3	43	9
## 1720	31	1	1	3	4	3	43	9
## 1731	29	2	3	3	4	4	45	4
## 1742	36	3	4	3	4	6	21	7
## 1698	28	2	3	3	4	2	22	9
## 1749	34	3	4	3	4	43	26	9
## 1741	35	3	4	3	4	43	49	9
## 1768	29	2	9	3	4	17	41	1
## 1807	30	3	4	3	4	43	45	9
## 1771	29	3	4	3	4	10	45	9

## 1814	23	2	1	3	4	7	2	4
## 1830	18	1	1	2	4	11	2	1
## 1848	24	2	1	3	4	11	38	7
## 1853	24	1	1	3	4	52	46	4
## 1863	20	1	1	4	24	59	46	1
## 1862	20	1	1	2	24	59	46	1
## 1862.1	20	1	1	2	24	59	46	1
## 1867	20	1	1	2	24	59	46	1
## 1865	21	1	1	3	4	52	46	4
## 1862.2	20	1	1	2	24	59	46	1
## 1867.1	20	1	1	2	24	59	46	1
## 1868	20	1	1	2	24	59	46	1
## 1862.3	20	1	1	2	24	59	46	1
## 1867.2	20	1	1	2	24	59	46	1
## 1868.1	20	1	1	2	24	59	46	1
## 1872	20	1	1	2	24	59	46	1
## 1879	26	1	2	3	30	47	46	7
## 1911	36	2	3	3	4	6	12	9
## 1952	32	3	4	3	4	60	13	9
## 1954	31	3	4	3	4	60	27	9
## 1973	22	1	6	3	4	18	26	3
## 1989	20	2	1	3	11	11	38	4
## 1994	30	2	9	3	4	19	4	1
## 1996	30	2	6	3	4	19	4	1
## 1998	20	2	6	2	17	18	38	1
## 1998.1	20	2	6	2	17	18	38	1
## 1999	20	2	6	2	17	18	38	1
## 2001	26	2	9	3	4	19	46	1
## 2021	24	1	6	3	4	17	2	2
## 2015	29	1	9	3	4	17	4	2
## 2029	24	2	1	3	4	7	12	7
## 2034	24	2	1	3	4	11	38	7
## 2039	19	1	1	2	4	59	46	1
## 2045	19	1	9	3	4	52	46	1
## 2064	24	1	1	2	4	52	44	4
## 2062	24	1	1	3	26	52	27	4
## 2069	24	1	1	3	4	52	44	4
## 2064.1	24	1	1	2	4	52	44	4
## 2070	24	1	1	2	4	52	44	4
## 2101	30	3	4	2	12	10	49	9
## 2110	34	3	4	3	4	60	49	9
## 2113	24	3	4	2	12	4	45	9
## 2131	28	2	3	3	4	3	26	9
## 2131.1	28	2	3	3	4	3	26	9
## 2132	28	2	3	3	4	3	26	9
## 2135	28	2	1	3	4	32	8	7
## 2145	35	2	3	3	4	1	28	9
## 2153	36	2	4	3	4	10	49	9
## 2162	29	2	6	4	20	19	46	2
## 2162.1	29	2	6	4	20	19	46	2
## 2163	29	2	6	4	20	19	46	2
## 2168	26	2	6	3	4	16	38	1
## 2168.1	26	2	6	3	4	16	38	1
## 2169	26	2	6	3	4	16	38	1

## 2179	29	2	6	3	4	17	46	2
## 2178	28	2	6	3	4	17	47	1
## 2182	28	2	6	3	4	19	47	2
## 2162.2	29	2	6	4	20	19	46	2
## 2163.1	29	2	6	4	20	19	46	2
## 2164	29	2	6	4	20	19	46	2
## 2187	28	2	6	3	4	19	46	1
## 2162.3	29	2	6	4	20	19	46	2
## 2163.2	29	2	6	4	20	19	46	2
## 2164.1	29	2	6	4	20	19	46	2
## 2184	29	2	6	4	20	19	46	2
## 2174	29	2	6	3	4	19	46	1
## 2179.1	29	2	6	3	4	17	46	2
## 2180	29	2	6	3	4	17	46	2
## 2212	35	2	9	3	4	17	4	1
## 2229	22	2	6	3	4	16	47	2
## 2229.1	22	2	6	3	4	16	47	2
## 2230	22	2	6	3	4	16	47	2
## 2237	33	1	9	3	4	17	41	2
## 2247	26	2	1	3	4	16	2	7
## 2252	26	2	1	3	4	16	12	7
## 2275	25	1	1	3	4	52	26	4
## 2282	25	1	1	3	4	52	26	7
## 2273	26	1	1	3	4	52	26	7
## 2273.1	26	1	1	3	4	52	26	7
## 2285	26	1	1	3	4	52	26	7
## 2287	23	1	1	3	30	52	39	7
## 2292	24	1	1	3	4	52	27	7
## 2297	23	1	1	2	30	59	44	7
## 2300	24	1	1	2	30	52	44	7
## 2302	26	1	1	3	4	52	26	7
## 2308	25	1	1	2	30	52	26	7
## 2308.1	25	1	1	2	30	52	26	7
## 2309	25	1	1	2	30	52	26	7
## 2323	26	1	1	2	36	55	26	9
## 2339	27	1	2	3	4	45	13	9
## 2357	32	3	8	2	4	60	49	9
## 2360	33	3	8	3	4	43	49	7
## 2349	31	3	8	4	4	60	49	7
## 2367	31	2	3	3	4	32	7	9
## 2366	35	3	4	3	4	1	26	9
## 2380	33	2	3	3	4	10	15	9
## 2418	30	2	3	3	40	32	31	9
## 2433	32	2	3	3	12	32	22	9
## 2442	34	2	3	3	4	32	22	9
## 2450	39	2	3	3	4	2	22	9
## 2463	28	2	9	3	20	16	38	2
## 2480	36	2	5	3	4	17	41	1
## 2493	31	1	9	3	25	17	4	2
## 2504	30	2	9	3	4	17	46	1
## 2508	33	2	9	3	4	17	4	1
## 2512	32	2	5	3	4	17	4	1
## 2525	22	2	1	2	8	7	38	7
## 2533	28	1	2	6	4	40	55	7

## 2541	26	1	2	6	4	52	26	7
## 2548	26	1	2	3	30	55	51	7
## 2556	25	1	2	3	4	55	12	7
## 2568	27	1	2	3	4	40	26	7
## 2574	26	1	2	3	4	44	12	9
## 2573	25	1	1	2	4	44	26	9
## 2574.1	26	1	2	3	4	44	12	9
## 2575	26	1	2	3	4	44	12	9
## 2585	26	1	2	3	36	44	26	9
## 2574.2	26	1	2	3	4	44	12	9
## 2575.1	26	1	2	3	4	44	12	9
## 2579	26	1	2	3	4	44	12	9
## 2574.3	26	1	2	3	4	44	12	9
## 2575.2	26	1	2	3	4	44	12	9
## 2579.1	26	1	2	3	4	44	12	9
## 2591	26	1	2	3	4	44	12	9
## 2574.4	26	1	2	3	4	44	12	9
##	Suelosvs	Bioclivs1	Bioclivs2	Bioclivs3	Bioclivs4	Climavs1	Climavs2	
## 3	6	1	0	0	0	1	0	
## 3.1	6	1	0	0	0	1	0	
## 4	6	1	0	0	0	1	0	
## 2	2	1	0	0	0	1	0	
## 11	4	1	0	0	0	1	0	
## 11.1	4	1	0	0	0	1	0	
## 12	4	1	0	0	0	1	0	
## 11.2	4	1	0	0	0	1	0	
## 12.1	4	1	0	0	0	1	0	
## 13	4	1	0	0	0	1	0	
## 11.3	4	1	0	0	0	1	0	
## 12.2	4	1	0	0	0	1	0	
## 13.1	4	1	0	0	0	1	0	
## 14	4	1	0	0	0	1	0	
## 11.4	4	1	0	0	0	1	0	
## 12.3	4	1	0	0	0	1	0	
## 13.2	4	1	0	0	0	1	0	
## 14.1	4	1	0	0	0	1	0	
## 15	4	1	0	0	0	1	0	
## 17	7	1	0	0	0	0	0	
## 11.5	4	1	0	0	0	1	0	
## 12.4	4	1	0	0	0	1	0	
## 13.3	4	1	0	0	0	1	0	
## 14.2	4	1	0	0	0	1	0	
## 15.1	4	1	0	0	0	1	0	
## 16	4	1	0	0	0	1	0	
## 17.1	7	1	0	0	0	0	0	
## 18	7	1	0	0	0	0	0	
## 17.2	7	1	0	0	0	0	0	
## 18.1	7	1	0	0	0	0	0	
## 21	7	1	0	0	0	0	0	
## 17.3	7	1	0	0	0	0	0	
## 18.2	7	1	0	0	0	0	0	
## 21.1	7	1	0	0	0	0	0	
## 22	7	1	0	0	0	0	0	
## 17.4	7	1	0	0	0	0	0	



## 18.3	7	1	0	0	0	0	0
## 21.2	7	1	0	0	0	0	0
## 22.1	7	1	0	0	0	0	0
## 23	7	1	0	0	0	0	0
## 17.5	7	1	0	0	0	0	0
## 18.4	7	1	0	0	0	0	0
## 21.3	7	1	0	0	0	0	0
## 22.2	7	1	0	0	0	0	0
## 23.1	7	1	0	0	0	0	0
## 24	7	1	0	0	0	0	0
## 17.6	7	1	0	0	0	0	0
## 18.5	7	1	0	0	0	0	0
## 21.4	7	1	0	0	0	0	0
## 22.3	7	1	0	0	0	0	0
## 23.2	7	1	0	0	0	0	0
## 24.1	7	1	0	0	0	0	0
## 25	7	1	0	0	0	0	0
## 17.7	7	1	0	0	0	0	0
## 18.6	7	1	0	0	0	0	0
## 21.5	7	1	0	0	0	0	0
## 22.4	7	1	0	0	0	0	0
## 23.3	7	1	0	0	0	0	0
## 24.2	7	1	0	0	0	0	0
## 25.1	7	1	0	0	0	0	0
## 26	7	1	0	0	0	0	0
## 17.8	7	1	0	0	0	0	0
## 18.7	7	1	0	0	0	0	0
## 21.6	7	1	0	0	0	0	0
## 22.5	7	1	0	0	0	0	0
## 23.4	7	1	0	0	0	0	0
## 24.3	7	1	0	0	0	0	0
## 25.2	7	1	0	0	0	0	0
## 26.1	7	1	0	0	0	0	0
## 27	7	1	0	0	0	0	0
## 17.9	7	1	0	0	0	0	0
## 18.8	7	1	0	0	0	0	0
## 21.7	7	1	0	0	0	0	0
## 22.6	7	1	0	0	0	0	0
## 23.5	7	1	0	0	0	0	0
## 24.4	7	1	0	0	0	0	0
## 25.3	7	1	0	0	0	0	0
## 26.2	7	1	0	0	0	0	0
## 27.1	7	1	0	0	0	0	0
## 28	7	1	0	0	0	0	0
## 17.10	7	1	0	0	0	0	0
## 18.9	7	1	0	0	0	0	0
## 21.8	7	1	0	0	0	0	0
## 22.7	7	1	0	0	0	0	0
## 23.6	7	1	0	0	0	0	0
## 24.5	7	1	0	0	0	0	0
## 25.4	7	1	0	0	0	0	0
## 26.3	7	1	0	0	0	0	0
## 27.2	7	1	0	0	0	0	0
## 28.1	7	1	0	0	0	0	0

## 29	7	1	0	0	0	0	0
## 17.11	7	1	0	0	0	0	0
## 18.10	7	1	0	0	0	0	0
## 21.9	7	1	0	0	0	0	0
## 22.8	7	1	0	0	0	0	0
## 23.7	7	1	0	0	0	0	0
## 24.6	7	1	0	0	0	0	0
## 25.5	7	1	0	0	0	0	0
## 26.4	7	1	0	0	0	0	0
## 27.3	7	1	0	0	0	0	0
## 28.2	7	1	0	0	0	0	0
## 29.1	7	1	0	0	0	0	0
## 30	7	1	0	0	0	0	0
## 17.12	7	1	0	0	0	0	0
## 18.11	7	1	0	0	0	0	0
## 21.10	7	1	0	0	0	0	0
## 22.9	7	1	0	0	0	0	0
## 23.8	7	1	0	0	0	0	0
## 24.7	7	1	0	0	0	0	0
## 25.6	7	1	0	0	0	0	0
## 26.5	7	1	0	0	0	0	0
## 27.4	7	1	0	0	0	0	0
## 28.3	7	1	0	0	0	0	0
## 29.2	7	1	0	0	0	0	0
## 30.1	7	1	0	0	0	0	0
## 31	7	1	0	0	0	0	0
## 17.13	7	1	0	0	0	0	0
## 18.12	7	1	0	0	0	0	0
## 21.11	7	1	0	0	0	0	0
## 22.10	7	1	0	0	0	0	0
## 23.9	7	1	0	0	0	0	0
## 24.8	7	1	0	0	0	0	0
## 25.7	7	1	0	0	0	0	0
## 26.6	7	1	0	0	0	0	0
## 27.5	7	1	0	0	0	0	0
## 28.4	7	1	0	0	0	0	0
## 29.3	7	1	0	0	0	0	0
## 30.2	7	1	0	0	0	0	0
## 31.1	7	1	0	0	0	0	0
## 32	7	1	0	0	0	0	0
## 17.14	7	1	0	0	0	0	0
## 18.13	7	1	0	0	0	0	0
## 21.12	7	1	0	0	0	0	0
## 22.11	7	1	0	0	0	0	0
## 23.10	7	1	0	0	0	0	0
## 24.9	7	1	0	0	0	0	0
## 25.8	7	1	0	0	0	0	0
## 26.7	7	1	0	0	0	0	0
## 27.6	7	1	0	0	0	0	0
## 28.5	7	1	0	0	0	0	0
## 29.4	7	1	0	0	0	0	0
## 30.3	7	1	0	0	0	0	0
## 31.2	7	1	0	0	0	0	0
## 32.1	7	1	0	0	0	0	0

## 33	7	1	0	0	0	0	0
## 17.15	7	1	0	0	0	0	0
## 18.14	7	1	0	0	0	0	0
## 21.13	7	1	0	0	0	0	0
## 22.12	7	1	0	0	0	0	0
## 23.11	7	1	0	0	0	0	0
## 24.10	7	1	0	0	0	0	0
## 25.9	7	1	0	0	0	0	0
## 26.8	7	1	0	0	0	0	0
## 27.7	7	1	0	0	0	0	0
## 28.6	7	1	0	0	0	0	0
## 29.5	7	1	0	0	0	0	0
## 30.4	7	1	0	0	0	0	0
## 31.3	7	1	0	0	0	0	0
## 32.2	7	1	0	0	0	0	0
## 33.1	7	1	0	0	0	0	0
## 34	7	1	0	0	0	0	0
## 17.16	7	1	0	0	0	0	0
## 18.15	7	1	0	0	0	0	0
## 21.14	7	1	0	0	0	0	0
## 22.13	7	1	0	0	0	0	0
## 23.12	7	1	0	0	0	0	0
## 24.11	7	1	0	0	0	0	0
## 25.10	7	1	0	0	0	0	0
## 26.9	7	1	0	0	0	0	0
## 27.8	7	1	0	0	0	0	0
## 28.7	7	1	0	0	0	0	0
## 29.6	7	1	0	0	0	0	0
## 30.5	7	1	0	0	0	0	0
## 31.4	7	1	0	0	0	0	0
## 32.3	7	1	0	0	0	0	0
## 33.2	7	1	0	0	0	0	0
## 34.1	7	1	0	0	0	0	0
## 35	7	1	0	0	0	0	0
## 17.17	7	1	0	0	0	0	0
## 18.16	7	1	0	0	0	0	0
## 21.15	7	1	0	0	0	0	0
## 22.14	7	1	0	0	0	0	0
## 23.13	7	1	0	0	0	0	0
## 24.12	7	1	0	0	0	0	0
## 25.11	7	1	0	0	0	0	0
## 26.10	7	1	0	0	0	0	0
## 27.9	7	1	0	0	0	0	0
## 28.8	7	1	0	0	0	0	0
## 29.7	7	1	0	0	0	0	0
## 30.6	7	1	0	0	0	0	0
## 31.5	7	1	0	0	0	0	0
## 32.4	7	1	0	0	0	0	0
## 33.3	7	1	0	0	0	0	0
## 34.2	7	1	0	0	0	0	0
## 35.1	7	1	0	0	0	0	0
## 36	7	1	0	0	0	0	0
## 17.18	7	1	0	0	0	0	0
## 18.17	7	1	0	0	0	0	0

## 21.16	7	1	0	0	0	0	0
## 22.15	7	1	0	0	0	0	0
## 23.14	7	1	0	0	0	0	0
## 24.13	7	1	0	0	0	0	0
## 25.12	7	1	0	0	0	0	0
## 26.11	7	1	0	0	0	0	0
## 27.10	7	1	0	0	0	0	0
## 28.9	7	1	0	0	0	0	0
## 29.8	7	1	0	0	0	0	0
## 30.7	7	1	0	0	0	0	0
## 31.6	7	1	0	0	0	0	0
## 32.5	7	1	0	0	0	0	0
## 33.4	7	1	0	0	0	0	0
## 34.3	7	1	0	0	0	0	0
## 35.2	7	1	0	0	0	0	0
## 36.1	7	1	0	0	0	0	0
## 37	7	1	0	0	0	0	0
## 17.19	7	1	0	0	0	0	0
## 18.18	7	1	0	0	0	0	0
## 21.17	7	1	0	0	0	0	0
## 22.16	7	1	0	0	0	0	0
## 23.15	7	1	0	0	0	0	0
## 24.14	7	1	0	0	0	0	0
## 25.13	7	1	0	0	0	0	0
## 26.12	7	1	0	0	0	0	0
## 27.11	7	1	0	0	0	0	0
## 28.10	7	1	0	0	0	0	0
## 29.9	7	1	0	0	0	0	0
## 30.8	7	1	0	0	0	0	0
## 31.7	7	1	0	0	0	0	0
## 32.6	7	1	0	0	0	0	0
## 33.5	7	1	0	0	0	0	0
## 34.4	7	1	0	0	0	0	0
## 35.3	7	1	0	0	0	0	0
## 36.2	7	1	0	0	0	0	0
## 37.1	7	1	0	0	0	0	0
## 38	7	1	0	0	0	0	0
## 17.20	7	1	0	0	0	0	0
## 18.19	7	1	0	0	0	0	0
## 21.18	7	1	0	0	0	0	0
## 22.17	7	1	0	0	0	0	0
## 23.16	7	1	0	0	0	0	0
## 24.15	7	1	0	0	0	0	0
## 25.14	7	1	0	0	0	0	0
## 26.13	7	1	0	0	0	0	0
## 27.12	7	1	0	0	0	0	0
## 28.11	7	1	0	0	0	0	0
## 29.10	7	1	0	0	0	0	0
## 30.9	7	1	0	0	0	0	0
## 31.8	7	1	0	0	0	0	0
## 32.7	7	1	0	0	0	0	0
## 33.6	7	1	0	0	0	0	0
## 34.5	7	1	0	0	0	0	0
## 35.4	7	1	0	0	0	0	0

## 36.3	7	1	0	0	0	0	0
## 37.2	7	1	0	0	0	0	0
## 38.1	7	1	0	0	0	0	0
## 39	7	1	0	0	0	0	0
## 17.21	7	1	0	0	0	0	0
## 18.20	7	1	0	0	0	0	0
## 21.19	7	1	0	0	0	0	0
## 22.18	7	1	0	0	0	0	0
## 23.17	7	1	0	0	0	0	0
## 24.16	7	1	0	0	0	0	0
## 25.15	7	1	0	0	0	0	0
## 26.14	7	1	0	0	0	0	0
## 27.13	7	1	0	0	0	0	0
## 28.12	7	1	0	0	0	0	0
## 29.11	7	1	0	0	0	0	0
## 30.10	7	1	0	0	0	0	0
## 31.9	7	1	0	0	0	0	0
## 32.8	7	1	0	0	0	0	0
## 33.7	7	1	0	0	0	0	0
## 34.6	7	1	0	0	0	0	0
## 35.5	7	1	0	0	0	0	0
## 36.4	7	1	0	0	0	0	0
## 37.3	7	1	0	0	0	0	0
## 38.2	7	1	0	0	0	0	0
## 39.1	7	1	0	0	0	0	0
## 41	7	1	0	0	0	0	0
## 10	2	1	0	0	0	1	0
## 50	6	1	0	0	0	0	1
## 51	6	1	0	0	0	0	1
## 58	2	1	0	0	0	0	1
## 44	6	1	0	0	0	1	0
## 49	4	1	0	0	0	1	0
## 9	6	1	0	0	0	0	0
## 58.1	2	1	0	0	0	0	1
## 59	2	1	0	0	0	0	1
## 74	6	1	0	0	0	0	0
## 76	6	1	0	0	0	1	0
## 88	6	1	0	0	0	1	0
## 83	6	1	0	0	0	1	0
## 89	6	1	0	0	0	1	0
## 79	6	1	0	0	0	1	0
## 76.1	6	1	0	0	0	1	0
## 77	6	1	0	0	0	1	0
## 73	6	1	0	0	0	0	1
## 72	6	1	0	0	0	1	0
## 71	6	1	0	0	0	1	0
## 96	8	1	0	0	0	1	0
## 74.1	6	1	0	0	0	0	0
## 75	6	1	0	0	0	0	0
## 104	7	0	0	1	0	0	0
## 119	7	1	0	0	0	0	0
## 129	2	1	0	0	0	0	0
## 128	2	1	0	0	0	0	0
## 122	2	1	0	0	0	0	0

## 142	6	0	1	0	0	0	0
## 150	6	0	1	0	0	0	0
## 121	4	0	1	0	0	0	0
## 167	4	0	1	0	0	0	0
## 121.1	4	0	1	0	0	0	0
## 154	4	0	1	0	0	0	0
## 142.1	6	0	1	0	0	0	0
## 146	6	0	1	0	0	0	0
## 119.1	7	1	0	0	0	0	0
## 120	7	1	0	0	0	0	0
## 177	4	1	0	0	0	0	1
## 174	7	0	1	0	0	0	0
## 175	6	1	0	0	0	0	0
## 176	6	1	0	0	0	0	0
## 135	2	1	0	0	0	1	0
## 169	1	1	0	0	0	0	0
## 196	6	0	1	0	0	0	0
## 196.1	6	0	1	0	0	0	0
## 197	6	0	1	0	0	0	0
## 196.2	6	0	1	0	0	0	0
## 197.1	6	0	1	0	0	0	0
## 198	6	0	1	0	0	0	0
## 196.3	6	0	1	0	0	0	0
## 197.2	6	0	1	0	0	0	0
## 198.1	6	0	1	0	0	0	0
## 199	6	0	1	0	0	0	0
## 196.4	6	0	1	0	0	0	0
## 197.3	6	0	1	0	0	0	0
## 198.2	6	0	1	0	0	0	0
## 199.1	6	0	1	0	0	0	0
## 200	6	0	1	0	0	0	0
## 195	7	1	0	0	0	0	0
## 206	2	1	0	0	0	0	0
## 208	2	1	0	0	0	0	0
## 213	6	1	0	0	0	0	0
## 213.1	6	1	0	0	0	0	0
## 214	6	1	0	0	0	0	0
## 213.2	6	1	0	0	0	0	0
## 214.1	6	1	0	0	0	0	0
## 215	6	1	0	0	0	0	0
## 217	2	1	0	0	0	0	0
## 217.1	2	1	0	0	0	0	0
## 218	2	1	0	0	0	0	0
## 231	7	1	0	0	0	0	0
## 242	2	1	0	0	0	0	0
## 250	2	1	0	0	0	0	0
## 223	2	1	0	0	0	0	0
## 238	1	1	0	0	0	0	0
## 246	7	0	1	0	0	0	0
## 246.1	7	0	1	0	0	0	0
## 260	7	0	1	0	0	0	0
## 282	2	1	0	0	0	0	0
## 284	6	0	1	0	0	0	0
## 196.5	6	0	1	0	0	0	0

## 197.4	6	0	1	0	0	0	0
## 198.3	6	0	1	0	0	0	0
## 199.2	6	0	1	0	0	0	0
## 200.1	6	0	1	0	0	0	0
## 201	6	0	1	0	0	0	0
## 195.1	7	1	0	0	0	0	0
## 202	7	1	0	0	0	0	0
## 238.1	1	1	0	0	0	0	0
## 254	1	1	0	0	0	0	0
## 296	6	1	0	0	0	0	0
## 237	6	1	0	0	0	0	0
## 296.1	6	1	0	0	0	0	0
## 297	6	1	0	0	0	0	0
## 275	2	1	0	0	0	0	0
## 296.2	6	1	0	0	0	0	0
## 297.1	6	1	0	0	0	0	0
## 299	6	1	0	0	0	0	0
## 237.1	6	1	0	0	0	0	0
## 298	6	1	0	0	0	0	0
## 292	6	1	0	0	0	0	0
## 195.2	7	1	0	0	0	0	0
## 202.1	7	1	0	0	0	0	0
## 293	7	1	0	0	0	0	0
## 317	6	1	0	0	0	1	0
## 316	4	0	1	0	0	0	0
## 322	8	0	1	0	0	0	0
## 324	2	1	0	0	0	0	0
## 329	7	0	1	0	0	0	0
## 337	2	1	0	0	0	0	0
## 355	7	1	0	0	0	0	0
## 322.1	8	0	1	0	0	0	0
## 323	8	0	1	0	0	0	0
## 320	6	0	1	0	0	0	0
## 317.1	6	1	0	0	0	1	0
## 318	6	1	0	0	0	1	0
## 319	6	0	1	0	0	0	0
## 317.2	6	1	0	0	0	1	0
## 318.1	6	1	0	0	0	1	0
## 375	6	1	0	0	0	1	0
## 393	7	0	0	1	0	0	0
## 316.1	4	0	1	0	0	0	0
## 321	4	0	1	0	0	0	0
## 381	6	0	1	0	0	0	0
## 399	7	0	1	0	0	0	0
## 399.1	7	0	1	0	0	0	0
## 400	7	0	1	0	0	0	0
## 402	7	1	0	0	0	0	0
## 408	7	0	1	0	0	0	0
## 408.1	7	0	1	0	0	0	0
## 409	7	0	1	0	0	0	0
## 417	7	0	0	1	0	0	0
## 411	6	0	0	1	0	0	0
## 408.2	7	0	1	0	0	0	0
## 409.1	7	0	1	0	0	0	0

## 410	7	0	1	0	0	0	0
## 431	7	0	1	0	0	0	0
## 435	7	0	0	1	0	0	0
## 433	7	0	1	0	0	0	0
## 427	7	1	0	0	0	0	0
## 447	2	1	0	0	0	0	0
## 449	6	1	0	0	0	1	0
## 465	4	0	0	1	0	0	0
## 470	7	1	0	0	0	0	0
## 460	7	0	0	1	0	0	0
## 479	6	0	0	1	0	0	0
## 402.1	7	1	0	0	0	0	0
## 403	7	1	0	0	0	0	0
## 502	4	0	0	1	0	0	0
## 502.1	4	0	0	1	0	0	0
## 503	4	0	0	1	0	0	0
## 497	6	1	0	0	0	1	0
## 514	7	0	1	0	0	0	0
## 507	6	1	0	0	0	1	0
## 399.2	7	0	1	0	0	0	0
## 400.1	7	0	1	0	0	0	0
## 401	7	0	1	0	0	0	0
## 497.1	6	1	0	0	0	1	0
## 508	6	1	0	0	0	1	0
## 495	8	1	0	0	0	1	0
## 572	2	1	0	0	0	0	1
## 574	6	1	0	0	0	0	1
## 574.1	6	1	0	0	0	0	1
## 575	6	1	0	0	0	0	1
## 579	6	1	0	0	0	1	0
## 579.1	6	1	0	0	0	1	0
## 582	6	1	0	0	0	1	0
## 586	6	1	0	0	0	1	0
## 572.1	2	1	0	0	0	0	1
## 573	2	1	0	0	0	0	1
## 599	10	1	0	0	0	0	1
## 612	7	0	1	0	0	0	0
## 617	2	1	0	0	0	1	0
## 616	4	0	1	0	0	0	0
## 641	7	0	1	0	0	0	0
## 662	2	0	1	0	0	0	0
## 668	2	0	1	0	0	1	0
## 678	2	1	0	0	0	1	0
## 677	2	0	1	0	0	1	0
## 647	6	0	1	0	0	0	0
## 700	7	0	1	0	0	0	0
## 704	4	1	0	0	0	0	1
## 709	10	1	0	0	0	0	1
## 732	6	1	0	0	0	0	1
## 806	2	1	0	0	0	1	0
## 700.1	7	0	1	0	0	0	0
## 701	7	0	1	0	0	0	0
## 851	2	0	1	0	0	0	0
## 859	8	0	1	0	0	0	0



## 887	6	1	0	0	0	0	1
## 894	6	1	0	0	0	0	1
## 896	6	1	0	0	0	0	1
## 899	6	1	0	0	0	0	1
## 901	2	1	0	0	0	0	1
## 910	2	1	0	0	0	0	1
## 894.1	6	1	0	0	0	0	1
## 900	6	1	0	0	0	0	1
## 917	2	1	0	0	0	0	1
## 926	10	1	0	0	0	0	1
## 892	2	1	0	0	0	0	1
## 945	2	1	0	0	0	1	0
## 937	2	1	0	0	0	1	0
## 908	6	1	0	0	0	1	0
## 958	2	1	0	0	0	0	1
## 971	10	1	0	0	0	0	1
## 985	2	1	0	0	0	1	0
## 1019	6	0	1	0	0	0	0
## 1039	4	1	0	0	0	1	0
## 1017	6	0	1	0	0	0	0
## 1097	2	1	0	0	0	1	0
## 1135	2	1	0	0	0	1	0
## 1135.1	2	1	0	0	0	1	0
## 1136	2	1	0	0	0	1	0
## 1139	2	1	0	0	0	1	0
## 1139.1	2	1	0	0	0	1	0
## 1140	2	1	0	0	0	1	0
## 1145	2	1	0	0	0	1	0
## 1143	8	1	0	0	0	1	0
## 1145.1	2	1	0	0	0	1	0
## 1146	2	1	0	0	0	1	0
## 1138	2	1	0	0	0	1	0
## 1167	2	1	0	0	0	1	0
## 1173	2	1	0	0	0	1	0
## 1175	2	1	0	0	0	0	1
## 1178	2	1	0	0	0	1	0
## 1217	6	0	1	0	0	0	0
## 1211	7	0	1	0	0	0	0
## 1131	8	0	1	0	0	0	0
## 1250	6	0	1	0	0	0	0
## 1253	6	0	0	1	0	0	0
## 1268	4	0	0	1	0	0	0
## 1248	1	0	1	0	0	1	0
## 1249	6	0	1	0	0	1	0
## 1216	6	0	1	0	0	0	0
## 1216.1	6	0	1	0	0	0	0
## 1280	6	0	1	0	0	0	0
## 1266	7	0	0	1	0	0	0
## 1293	2	1	0	0	0	1	0
## 1295	2	1	0	0	0	1	0
## 1295.1	2	1	0	0	0	1	0
## 1296	2	1	0	0	0	1	0
## 1305	2	1	0	0	0	1	0
## 1308	2	1	0	0	0	1	0

## 1308.1	2	1	0	0	0	1	0
## 1309	2	1	0	0	0	1	0
## 1311	2	1	0	0	0	1	0
## 1315	6	1	0	0	0	1	0
## 1315.1	6	1	0	0	0	1	0
## 1316	6	1	0	0	0	1	0
## 1318	2	1	0	0	0	1	0
## 1320	2	1	0	0	0	1	0
## 1315.2	6	1	0	0	0	1	0
## 1316.1	6	1	0	0	0	1	0
## 1317	6	1	0	0	0	1	0
## 1327	2	1	0	0	0	1	0
## 1341	2	1	0	0	0	1	0
## 1345	2	1	0	0	0	1	0
## 1350	2	1	0	0	0	1	0
## 1408	7	0	1	0	0	0	0
## 1438	6	0	0	1	0	0	0
## 1443	6	0	0	1	0	0	0
## 1443.1	6	0	0	1	0	0	0
## 1444	6	0	0	1	0	0	0
## 1290	6	0	0	1	0	0	0
## 1465	7	0	1	0	0	0	0
## 1474	8	0	1	0	0	0	0
## 1474.1	8	0	1	0	0	0	0
## 1475	8	0	1	0	0	0	0
## 1485	7	1	0	0	0	0	0
## 1503	2	1	0	0	0	1	0
## 1506	6	0	1	0	0	1	0
## 1509	8	1	0	0	0	0	0
## 1533	2	0	1	0	0	1	0
## 1533.1	2	0	1	0	0	1	0
## 1534	2	0	1	0	0	1	0
## 1533.2	2	0	1	0	0	1	0
## 1534.1	2	0	1	0	0	1	0
## 1537	2	0	1	0	0	1	0
## 1533.3	2	0	1	0	0	1	0
## 1534.2	2	0	1	0	0	1	0
## 1537.1	2	0	1	0	0	1	0
## 1539	2	0	1	0	0	1	0
## 1545	2	0	1	0	0	1	0
## 1545.1	2	0	1	0	0	1	0
## 1546	2	0	1	0	0	1	0
## 1548	2	0	1	0	0	1	0
## 1552	2	1	0	0	0	1	0
## 1552.1	2	1	0	0	0	1	0
## 1557	2	1	0	0	0	1	0
## 1571	2	0	1	0	0	1	0
## 1580	2	1	0	0	0	0	0
## 1570	2	0	1	0	0	1	0
## 1584	2	1	0	0	0	0	0
## 1584.1	2	1	0	0	0	0	0
## 1606	2	1	0	0	0	0	0
## 1609	2	0	1	0	0	1	0
## 1612	2	1	0	0	0	1	0

## 1624	2	1	0	0	0	1	0
## 1629	2	1	0	0	0	1	0
## 1631	8	1	0	0	0	1	0
## 1642	8	1	0	0	0	0	1
## 1663	6	1	0	0	0	0	1
## 1702	7	1	0	0	0	0	0
## 1700	8	0	1	0	0	0	0
## 1719	2	1	0	0	0	1	0
## 1719.1	2	1	0	0	0	1	0
## 1720	2	1	0	0	0	1	0
## 1731	4	0	1	0	0	0	0
## 1742	7	0	0	1	0	0	0
## 1698	1	0	1	0	0	0	0
## 1749	6	0	0	1	0	0	0
## 1741	6	0	0	1	0	0	0
## 1768	8	0	1	0	0	0	0
## 1807	6	0	0	1	0	0	0
## 1771	7	0	0	1	0	0	0
## 1814	2	0	1	0	0	1	0
## 1830	2	1	0	0	0	1	0
## 1848	2	0	1	0	0	1	0
## 1853	2	1	0	0	0	1	0
## 1863	4	1	0	0	0	1	0
## 1862	2	1	0	0	0	1	0
## 1862.1	2	1	0	0	0	1	0
## 1867	2	1	0	0	0	1	0
## 1865	6	1	0	0	0	1	0
## 1862.2	2	1	0	0	0	1	0
## 1867.1	2	1	0	0	0	1	0
## 1868	2	1	0	0	0	1	0
## 1862.3	2	1	0	0	0	1	0
## 1867.2	2	1	0	0	0	1	0
## 1868.1	2	1	0	0	0	1	0
## 1872	2	1	0	0	0	1	0
## 1879	6	1	0	0	0	0	1
## 1911	6	0	1	0	0	0	0
## 1952	6	0	0	1	0	0	0
## 1954	7	0	0	1	0	0	0
## 1973	7	1	0	0	0	0	0
## 1989	6	0	1	0	0	1	0
## 1994	6	0	1	0	0	0	0
## 1996	6	0	1	0	0	0	0
## 1998	8	0	1	0	0	0	0
## 1998.1	8	0	1	0	0	0	0
## 1999	8	0	1	0	0	0	0
## 2001	6	0	1	0	0	0	0
## 2021	8	1	0	0	0	0	0
## 2015	6	1	0	0	0	0	0
## 2029	2	0	1	0	0	1	0
## 2034	2	0	1	0	0	1	0
## 2039	2	1	0	0	0	1	0
## 2045	2	1	0	0	0	0	0
## 2064	2	1	0	0	0	1	0
## 2062	4	1	0	0	0	1	0

## 2069	2	1	0	0	0	1	0
## 2064.1	2	1	0	0	0	1	0
## 2070	2	1	0	0	0	1	0
## 2101	8	0	0	1	0	0	0
## 2110	6	0	0	1	0	0	0
## 2113	7	0	0	1	0	0	0
## 2131	6	0	1	0	0	0	0
## 2131.1	6	0	1	0	0	0	0
## 2132	6	0	1	0	0	0	0
## 2135	8	0	1	0	0	1	0
## 2145	6	0	1	0	0	0	0
## 2153	1	0	1	0	0	0	0
## 2162	6	0	1	0	0	0	0
## 2162.1	6	0	1	0	0	0	0
## 2163	6	0	1	0	0	0	0
## 2168	8	0	1	0	0	0	0
## 2168.1	8	0	1	0	0	0	0
## 2169	8	0	1	0	0	0	0
## 2179	6	0	1	0	0	0	0
## 2178	6	0	1	0	0	0	0
## 2182	6	0	1	0	0	0	0
## 2162.2	6	0	1	0	0	0	0
## 2163.1	6	0	1	0	0	0	0
## 2164	6	0	1	0	0	0	0
## 2187	6	0	1	0	0	0	0
## 2162.3	6	0	1	0	0	0	0
## 2163.2	6	0	1	0	0	0	0
## 2164.1	6	0	1	0	0	0	0
## 2184	6	0	1	0	0	0	0
## 2174	6	0	1	0	0	0	0
## 2179.1	6	0	1	0	0	0	0
## 2180	6	0	1	0	0	0	0
## 2212	4	0	1	0	0	0	0
## 2229	7	0	1	0	0	0	0
## 2229.1	7	0	1	0	0	0	0
## 2230	7	0	1	0	0	0	0
## 2237	4	1	0	0	0	0	0
## 2247	2	0	1	0	0	1	0
## 2252	6	0	1	0	0	1	0
## 2275	2	1	0	0	0	1	0
## 2282	2	1	0	0	0	1	0
## 2273	2	1	0	0	0	1	0
## 2273.1	2	1	0	0	0	1	0
## 2285	2	1	0	0	0	1	0
## 2287	2	1	0	0	0	1	0
## 2292	2	1	0	0	0	1	0
## 2297	2	1	0	0	0	1	0
## 2300	4	1	0	0	0	1	0
## 2302	2	1	0	0	0	1	0
## 2308	2	1	0	0	0	1	0
## 2308.1	2	1	0	0	0	1	0
## 2309	2	1	0	0	0	1	0
## 2323	6	1	0	0	0	1	0
## 2339	6	1	0	0	0	0	1

## 2357	11	0	0	1	0	0	0
## 2360	6	0	0	1	0	0	0
## 2349	4	0	0	1	0	0	0
## 2367	2	0	1	0	0	0	0
## 2366	6	0	0	1	0	0	0
## 2380	6	0	1	0	0	0	0
## 2418	1	0	1	0	0	0	0
## 2433	1	0	1	0	0	0	0
## 2442	6	0	1	0	0	0	0
## 2450	8	0	1	0	0	0	0
## 2463	7	0	1	0	0	0	0
## 2480	4	0	1	0	0	0	0
## 2493	4	1	0	0	0	0	0
## 2504	7	0	1	0	0	0	0
## 2508	4	0	1	0	0	0	0
## 2512	7	0	1	0	0	0	0
## 2525	2	0	1	0	0	1	0
## 2533	6	1	0	0	0	0	1
## 2541	6	1	0	0	0	0	1
## 2548	6	1	0	0	0	0	1
## 2556	8	1	0	0	0	0	1
## 2568	6	1	0	0	0	0	1
## 2574	6	1	0	0	0	0	1
## 2573	6	1	0	0	0	1	0
## 2574.1	6	1	0	0	0	0	1
## 2575	6	1	0	0	0	0	1
## 2585	6	1	0	0	0	0	1
## 2574.2	6	1	0	0	0	0	1
## 2575.1	6	1	0	0	0	0	1
## 2579	6	1	0	0	0	0	1
## 2574.3	6	1	0	0	0	0	1
## 2575.2	6	1	0	0	0	0	1
## 2579.1	6	1	0	0	0	0	1
## 2591	6	1	0	0	0	0	1
## 2574.4	6	1	0	0	0	0	1
##	Climavs3	Climavs4	Climavs5	Climavs6	Climavs7	Climavs8	Climavs9
## 3	0	0	0	0	0	0	0
## 3.1	0	0	0	0	0	0	0
## 4	0	0	0	0	0	0	0
## 2	0	0	0	0	0	0	0
## 11	0	0	0	0	0	0	0
## 11.1	0	0	0	0	0	0	0
## 12	0	0	0	0	0	0	0
## 11.2	0	0	0	0	0	0	0
## 12.1	0	0	0	0	0	0	0
## 13	0	0	0	0	0	0	0
## 11.3	0	0	0	0	0	0	0
## 12.2	0	0	0	0	0	0	0
## 13.1	0	0	0	0	0	0	0
## 14	0	0	0	0	0	0	0
## 11.4	0	0	0	0	0	0	0
## 12.3	0	0	0	0	0	0	0
## 13.2	0	0	0	0	0	0	0
## 14.1	0	0	0	0	0	0	0

## 15	0	0	0	0	0	0	0
## 17	1	0	0	0	0	0	0
## 11.5	0	0	0	0	0	0	0
## 12.4	0	0	0	0	0	0	0
## 13.3	0	0	0	0	0	0	0
## 14.2	0	0	0	0	0	0	0
## 15.1	0	0	0	0	0	0	0
## 16	0	0	0	0	0	0	0
## 17.1	1	0	0	0	0	0	0
## 18	1	0	0	0	0	0	0
## 17.2	1	0	0	0	0	0	0
## 18.1	1	0	0	0	0	0	0
## 21	1	0	0	0	0	0	0
## 17.3	1	0	0	0	0	0	0
## 18.2	1	0	0	0	0	0	0
## 21.1	1	0	0	0	0	0	0
## 22	1	0	0	0	0	0	0
## 17.4	1	0	0	0	0	0	0
## 18.3	1	0	0	0	0	0	0
## 21.2	1	0	0	0	0	0	0
## 22.1	1	0	0	0	0	0	0
## 23	1	0	0	0	0	0	0
## 17.5	1	0	0	0	0	0	0
## 18.4	1	0	0	0	0	0	0
## 21.3	1	0	0	0	0	0	0
## 22.2	1	0	0	0	0	0	0
## 23.1	1	0	0	0	0	0	0
## 24	1	0	0	0	0	0	0
## 17.6	1	0	0	0	0	0	0
## 18.5	1	0	0	0	0	0	0
## 21.4	1	0	0	0	0	0	0
## 22.3	1	0	0	0	0	0	0
## 23.2	1	0	0	0	0	0	0
## 24.1	1	0	0	0	0	0	0
## 25	1	0	0	0	0	0	0
## 17.7	1	0	0	0	0	0	0
## 18.6	1	0	0	0	0	0	0
## 21.5	1	0	0	0	0	0	0
## 22.4	1	0	0	0	0	0	0
## 23.3	1	0	0	0	0	0	0
## 24.2	1	0	0	0	0	0	0
## 25.1	1	0	0	0	0	0	0
## 26	1	0	0	0	0	0	0
## 17.8	1	0	0	0	0	0	0
## 18.7	1	0	0	0	0	0	0
## 21.6	1	0	0	0	0	0	0
## 22.5	1	0	0	0	0	0	0
## 23.4	1	0	0	0	0	0	0
## 24.3	1	0	0	0	0	0	0
## 25.2	1	0	0	0	0	0	0
## 26.1	1	0	0	0	0	0	0
## 27	1	0	0	0	0	0	0
## 17.9	1	0	0	0	0	0	0
## 18.8	1	0	0	0	0	0	0

## 21.7	1	0	0	0	0	0	0
## 22.6	1	0	0	0	0	0	0
## 23.5	1	0	0	0	0	0	0
## 24.4	1	0	0	0	0	0	0
## 25.3	1	0	0	0	0	0	0
## 26.2	1	0	0	0	0	0	0
## 27.1	1	0	0	0	0	0	0
## 28	1	0	0	0	0	0	0
## 17.10	1	0	0	0	0	0	0
## 18.9	1	0	0	0	0	0	0
## 21.8	1	0	0	0	0	0	0
## 22.7	1	0	0	0	0	0	0
## 23.6	1	0	0	0	0	0	0
## 24.5	1	0	0	0	0	0	0
## 25.4	1	0	0	0	0	0	0
## 26.3	1	0	0	0	0	0	0
## 27.2	1	0	0	0	0	0	0
## 28.1	1	0	0	0	0	0	0
## 29	1	0	0	0	0	0	0
## 17.11	1	0	0	0	0	0	0
## 18.10	1	0	0	0	0	0	0
## 21.9	1	0	0	0	0	0	0
## 22.8	1	0	0	0	0	0	0
## 23.7	1	0	0	0	0	0	0
## 24.6	1	0	0	0	0	0	0
## 25.5	1	0	0	0	0	0	0
## 26.4	1	0	0	0	0	0	0
## 27.3	1	0	0	0	0	0	0
## 28.2	1	0	0	0	0	0	0
## 29.1	1	0	0	0	0	0	0
## 30	1	0	0	0	0	0	0
## 17.12	1	0	0	0	0	0	0
## 18.11	1	0	0	0	0	0	0
## 21.10	1	0	0	0	0	0	0
## 22.9	1	0	0	0	0	0	0
## 23.8	1	0	0	0	0	0	0
## 24.7	1	0	0	0	0	0	0
## 25.6	1	0	0	0	0	0	0
## 26.5	1	0	0	0	0	0	0
## 27.4	1	0	0	0	0	0	0
## 28.3	1	0	0	0	0	0	0
## 29.2	1	0	0	0	0	0	0
## 30.1	1	0	0	0	0	0	0
## 31	1	0	0	0	0	0	0
## 17.13	1	0	0	0	0	0	0
## 18.12	1	0	0	0	0	0	0
## 21.11	1	0	0	0	0	0	0
## 22.10	1	0	0	0	0	0	0
## 23.9	1	0	0	0	0	0	0
## 24.8	1	0	0	0	0	0	0
## 25.7	1	0	0	0	0	0	0
## 26.6	1	0	0	0	0	0	0
## 27.5	1	0	0	0	0	0	0
## 28.4	1	0	0	0	0	0	0

## 29.3	1	0	0	0	0	0	0
## 30.2	1	0	0	0	0	0	0
## 31.1	1	0	0	0	0	0	0
## 32	1	0	0	0	0	0	0
## 17.14	1	0	0	0	0	0	0
## 18.13	1	0	0	0	0	0	0
## 21.12	1	0	0	0	0	0	0
## 22.11	1	0	0	0	0	0	0
## 23.10	1	0	0	0	0	0	0
## 24.9	1	0	0	0	0	0	0
## 25.8	1	0	0	0	0	0	0
## 26.7	1	0	0	0	0	0	0
## 27.6	1	0	0	0	0	0	0
## 28.5	1	0	0	0	0	0	0
## 29.4	1	0	0	0	0	0	0
## 30.3	1	0	0	0	0	0	0
## 31.2	1	0	0	0	0	0	0
## 32.1	1	0	0	0	0	0	0
## 33	1	0	0	0	0	0	0
## 17.15	1	0	0	0	0	0	0
## 18.14	1	0	0	0	0	0	0
## 21.13	1	0	0	0	0	0	0
## 22.12	1	0	0	0	0	0	0
## 23.11	1	0	0	0	0	0	0
## 24.10	1	0	0	0	0	0	0
## 25.9	1	0	0	0	0	0	0
## 26.8	1	0	0	0	0	0	0
## 27.7	1	0	0	0	0	0	0
## 28.6	1	0	0	0	0	0	0
## 29.5	1	0	0	0	0	0	0
## 30.4	1	0	0	0	0	0	0
## 31.3	1	0	0	0	0	0	0
## 32.2	1	0	0	0	0	0	0
## 33.1	1	0	0	0	0	0	0
## 34	1	0	0	0	0	0	0
## 17.16	1	0	0	0	0	0	0
## 18.15	1	0	0	0	0	0	0
## 21.14	1	0	0	0	0	0	0
## 22.13	1	0	0	0	0	0	0
## 23.12	1	0	0	0	0	0	0
## 24.11	1	0	0	0	0	0	0
## 25.10	1	0	0	0	0	0	0
## 26.9	1	0	0	0	0	0	0
## 27.8	1	0	0	0	0	0	0
## 28.7	1	0	0	0	0	0	0
## 29.6	1	0	0	0	0	0	0
## 30.5	1	0	0	0	0	0	0
## 31.4	1	0	0	0	0	0	0
## 32.3	1	0	0	0	0	0	0
## 33.2	1	0	0	0	0	0	0
## 34.1	1	0	0	0	0	0	0
## 35	1	0	0	0	0	0	0
## 17.17	1	0	0	0	0	0	0
## 18.16	1	0	0	0	0	0	0



## 21.15	1	0	0	0	0	0	0
## 22.14	1	0	0	0	0	0	0
## 23.13	1	0	0	0	0	0	0
## 24.12	1	0	0	0	0	0	0
## 25.11	1	0	0	0	0	0	0
## 26.10	1	0	0	0	0	0	0
## 27.9	1	0	0	0	0	0	0
## 28.8	1	0	0	0	0	0	0
## 29.7	1	0	0	0	0	0	0
## 30.6	1	0	0	0	0	0	0
## 31.5	1	0	0	0	0	0	0
## 32.4	1	0	0	0	0	0	0
## 33.3	1	0	0	0	0	0	0
## 34.2	1	0	0	0	0	0	0
## 35.1	1	0	0	0	0	0	0
## 36	1	0	0	0	0	0	0
## 17.18	1	0	0	0	0	0	0
## 18.17	1	0	0	0	0	0	0
## 21.16	1	0	0	0	0	0	0
## 22.15	1	0	0	0	0	0	0
## 23.14	1	0	0	0	0	0	0
## 24.13	1	0	0	0	0	0	0
## 25.12	1	0	0	0	0	0	0
## 26.11	1	0	0	0	0	0	0
## 27.10	1	0	0	0	0	0	0
## 28.9	1	0	0	0	0	0	0
## 29.8	1	0	0	0	0	0	0
## 30.7	1	0	0	0	0	0	0
## 31.6	1	0	0	0	0	0	0
## 32.5	1	0	0	0	0	0	0
## 33.4	1	0	0	0	0	0	0
## 34.3	1	0	0	0	0	0	0
## 35.2	1	0	0	0	0	0	0
## 36.1	1	0	0	0	0	0	0
## 37	1	0	0	0	0	0	0
## 17.19	1	0	0	0	0	0	0
## 18.18	1	0	0	0	0	0	0
## 21.17	1	0	0	0	0	0	0
## 22.16	1	0	0	0	0	0	0
## 23.15	1	0	0	0	0	0	0
## 24.14	1	0	0	0	0	0	0
## 25.13	1	0	0	0	0	0	0
## 26.12	1	0	0	0	0	0	0
## 27.11	1	0	0	0	0	0	0
## 28.10	1	0	0	0	0	0	0
## 29.9	1	0	0	0	0	0	0
## 30.8	1	0	0	0	0	0	0
## 31.7	1	0	0	0	0	0	0
## 32.6	1	0	0	0	0	0	0
## 33.5	1	0	0	0	0	0	0
## 34.4	1	0	0	0	0	0	0
## 35.3	1	0	0	0	0	0	0
## 36.2	1	0	0	0	0	0	0
## 37.1	1	0	0	0	0	0	0

## 38	1	0	0	0	0	0	0
## 17.20	1	0	0	0	0	0	0
## 18.19	1	0	0	0	0	0	0
## 21.18	1	0	0	0	0	0	0
## 22.17	1	0	0	0	0	0	0
## 23.16	1	0	0	0	0	0	0
## 24.15	1	0	0	0	0	0	0
## 25.14	1	0	0	0	0	0	0
## 26.13	1	0	0	0	0	0	0
## 27.12	1	0	0	0	0	0	0
## 28.11	1	0	0	0	0	0	0
## 29.10	1	0	0	0	0	0	0
## 30.9	1	0	0	0	0	0	0
## 31.8	1	0	0	0	0	0	0
## 32.7	1	0	0	0	0	0	0
## 33.6	1	0	0	0	0	0	0
## 34.5	1	0	0	0	0	0	0
## 35.4	1	0	0	0	0	0	0
## 36.3	1	0	0	0	0	0	0
## 37.2	1	0	0	0	0	0	0
## 38.1	1	0	0	0	0	0	0
## 39	1	0	0	0	0	0	0
## 17.21	1	0	0	0	0	0	0
## 18.20	1	0	0	0	0	0	0
## 21.19	1	0	0	0	0	0	0
## 22.18	1	0	0	0	0	0	0
## 23.17	1	0	0	0	0	0	0
## 24.16	1	0	0	0	0	0	0
## 25.15	1	0	0	0	0	0	0
## 26.14	1	0	0	0	0	0	0
## 27.13	1	0	0	0	0	0	0
## 28.12	1	0	0	0	0	0	0
## 29.11	1	0	0	0	0	0	0
## 30.10	1	0	0	0	0	0	0
## 31.9	1	0	0	0	0	0	0
## 32.8	1	0	0	0	0	0	0
## 33.7	1	0	0	0	0	0	0
## 34.6	1	0	0	0	0	0	0
## 35.5	1	0	0	0	0	0	0
## 36.4	1	0	0	0	0	0	0
## 37.3	1	0	0	0	0	0	0
## 38.2	1	0	0	0	0	0	0
## 39.1	1	0	0	0	0	0	0
## 41	1	0	0	0	0	0	0
## 10	0	0	0	0	0	0	0
## 50	0	0	0	0	0	0	0
## 51	0	0	0	0	0	0	0
## 58	0	0	0	0	0	0	0
## 44	0	0	0	0	0	0	0
## 49	0	0	0	0	0	0	0
## 9	1	0	0	0	0	0	0
## 58.1	0	0	0	0	0	0	0
## 59	0	0	0	0	0	0	0
## 74	1	0	0	0	0	0	0

## 76	0	0	0	0	0	0	0
## 88	0	0	0	0	0	0	0
## 83	0	0	0	0	0	0	0
## 89	0	0	0	0	0	0	0
## 79	0	0	0	0	0	0	0
## 76.1	0	0	0	0	0	0	0
## 77	0	0	0	0	0	0	0
## 73	0	0	0	0	0	0	0
## 72	0	0	0	0	0	0	0
## 71	0	0	0	0	0	0	0
## 96	0	0	0	0	0	0	0
## 74.1	1	0	0	0	0	0	0
## 75	1	0	0	0	0	0	0
## 104	0	1	0	0	0	0	0
## 119	1	0	0	0	0	0	0
## 129	0	0	0	1	0	0	0
## 128	0	0	0	1	0	0	0
## 122	0	0	0	1	0	0	0
## 142	1	0	0	0	0	0	0
## 150	1	0	0	0	0	0	0
## 121	1	0	0	0	0	0	0
## 167	1	0	0	0	0	0	0
## 121.1	1	0	0	0	0	0	0
## 154	1	0	0	0	0	0	0
## 142.1	1	0	0	0	0	0	0
## 146	1	0	0	0	0	0	0
## 119.1	1	0	0	0	0	0	0
## 120	1	0	0	0	0	0	0
## 177	0	0	0	0	0	0	0
## 174	1	0	0	0	0	0	0
## 175	1	0	0	0	0	0	0
## 176	1	0	0	0	0	0	0
## 135	0	0	0	0	0	0	0
## 169	1	0	0	0	0	0	0
## 196	1	0	0	0	0	0	0
## 196.1	1	0	0	0	0	0	0
## 197	1	0	0	0	0	0	0
## 196.2	1	0	0	0	0	0	0
## 197.1	1	0	0	0	0	0	0
## 198	1	0	0	0	0	0	0
## 196.3	1	0	0	0	0	0	0
## 197.2	1	0	0	0	0	0	0
## 198.1	1	0	0	0	0	0	0
## 199	1	0	0	0	0	0	0
## 196.4	1	0	0	0	0	0	0
## 197.3	1	0	0	0	0	0	0
## 198.2	1	0	0	0	0	0	0
## 199.1	1	0	0	0	0	0	0
## 200	1	0	0	0	0	0	0
## 195	1	0	0	0	0	0	0
## 206	0	0	0	1	0	0	0
## 208	0	0	0	1	0	0	0
## 213	0	0	0	1	0	0	0
## 213.1	0	0	0	1	0	0	0

## 214	0	0	0	1	0	0	0
## 213.2	0	0	0	1	0	0	0
## 214.1	0	0	0	1	0	0	0
## 215	0	0	0	1	0	0	0
## 217	0	0	0	1	0	0	0
## 217.1	0	0	0	1	0	0	0
## 218	0	0	0	1	0	0	0
## 231	0	0	0	1	0	0	0
## 242	0	0	0	1	0	0	0
## 250	0	0	0	1	0	0	0
## 223	0	0	0	0	0	0	1
## 238	1	0	0	0	0	0	0
## 246	0	0	0	0	0	0	1
## 246.1	0	0	0	0	0	0	1
## 260	0	0	0	0	0	0	1
## 282	0	0	0	1	0	0	0
## 284	1	0	0	0	0	0	0
## 196.5	1	0	0	0	0	0	0
## 197.4	1	0	0	0	0	0	0
## 198.3	1	0	0	0	0	0	0
## 199.2	1	0	0	0	0	0	0
## 200.1	1	0	0	0	0	0	0
## 201	1	0	0	0	0	0	0
## 195.1	1	0	0	0	0	0	0
## 202	1	0	0	0	0	0	0
## 238.1	1	0	0	0	0	0	0
## 254	1	0	0	0	0	0	0
## 296	1	0	0	0	0	0	0
## 237	1	0	0	0	0	0	0
## 296.1	1	0	0	0	0	0	0
## 297	1	0	0	0	0	0	0
## 275	0	0	0	1	0	0	0
## 296.2	1	0	0	0	0	0	0
## 297.1	1	0	0	0	0	0	0
## 299	1	0	0	0	0	0	0
## 237.1	1	0	0	0	0	0	0
## 298	1	0	0	0	0	0	0
## 292	1	0	0	0	0	0	0
## 195.2	1	0	0	0	0	0	0
## 202.1	1	0	0	0	0	0	0
## 293	1	0	0	0	0	0	0
## 317	0	0	0	0	0	0	0
## 316	1	0	0	0	0	0	0
## 322	0	0	0	0	0	0	1
## 324	0	0	0	1	0	0	0
## 329	0	0	1	0	0	0	0
## 337	0	0	0	0	0	0	1
## 355	0	0	0	0	0	0	1
## 322.1	0	0	0	0	0	0	1
## 323	0	0	0	0	0	0	1
## 320	1	0	0	0	0	0	0
## 317.1	0	0	0	0	0	0	0
## 318	0	0	0	0	0	0	0
## 319	1	0	0	0	0	0	0

## 317.2	0	0	0	0	0	0	0
## 318.1	0	0	0	0	0	0	0
## 375	0	0	0	0	0	0	0
## 393	0	0	1	0	0	0	0
## 316.1	1	0	0	0	0	0	0
## 321	1	0	0	0	0	0	0
## 381	1	0	0	0	0	0	0
## 399	1	0	0	0	0	0	0
## 399.1	1	0	0	0	0	0	0
## 400	1	0	0	0	0	0	0
## 402	0	0	0	1	0	0	0
## 408	0	0	0	0	0	0	1
## 408.1	0	0	0	0	0	0	1
## 409	0	0	0	0	0	0	1
## 417	0	0	0	0	0	0	1
## 411	0	0	0	0	0	0	1
## 408.2	0	0	0	0	0	0	1
## 409.1	0	0	0	0	0	0	1
## 410	0	0	0	0	0	0	1
## 431	0	0	0	0	0	0	1
## 435	0	0	0	0	0	0	1
## 433	0	0	0	0	0	0	1
## 427	0	0	0	0	0	0	1
## 447	0	0	0	0	0	0	1
## 449	0	0	0	0	0	0	0
## 465	0	0	1	0	0	0	0
## 470	0	0	0	0	0	0	1
## 460	0	0	0	0	0	0	1
## 479	0	0	0	0	0	0	1
## 402.1	0	0	0	1	0	0	0
## 403	0	0	0	1	0	0	0
## 502	0	0	0	0	0	0	1
## 502.1	0	0	0	0	0	0	1
## 503	0	0	0	0	0	0	1
## 497	0	0	0	0	0	0	0
## 514	0	0	0	0	0	0	1
## 507	0	0	0	0	0	0	0
## 399.2	1	0	0	0	0	0	0
## 400.1	1	0	0	0	0	0	0
## 401	1	0	0	0	0	0	0
## 497.1	0	0	0	0	0	0	0
## 508	0	0	0	0	0	0	0
## 495	0	0	0	0	0	0	0
## 572	0	0	0	0	0	0	0
## 574	0	0	0	0	0	0	0
## 574.1	0	0	0	0	0	0	0
## 575	0	0	0	0	0	0	0
## 579	0	0	0	0	0	0	0
## 579.1	0	0	0	0	0	0	0
## 582	0	0	0	0	0	0	0
## 586	0	0	0	0	0	0	0
## 572.1	0	0	0	0	0	0	0
## 573	0	0	0	0	0	0	0
## 599	0	0	0	0	0	0	0

## 612	0	0	0	0	0	0	1
## 617	0	0	0	0	0	0	0
## 616	0	0	0	0	0	0	1
## 641	0	0	0	0	0	0	1
## 662	0	0	0	0	0	0	1
## 668	0	0	0	0	0	0	0
## 678	0	0	0	0	0	0	0
## 677	0	0	0	0	0	0	0
## 647	1	0	0	0	0	0	0
## 700	1	0	0	0	0	0	0
## 704	0	0	0	0	0	0	0
## 709	0	0	0	0	0	0	0
## 732	0	0	0	0	0	0	0
## 806	0	0	0	0	0	0	0
## 700.1	1	0	0	0	0	0	0
## 701	1	0	0	0	0	0	0
## 851	0	0	0	0	0	0	1
## 859	1	0	0	0	0	0	0
## 887	0	0	0	0	0	0	0
## 894	0	0	0	0	0	0	0
## 896	0	0	0	0	0	0	0
## 899	0	0	0	0	0	0	0
## 901	0	0	0	0	0	0	0
## 910	0	0	0	0	0	0	0
## 894.1	0	0	0	0	0	0	0
## 900	0	0	0	0	0	0	0
## 917	0	0	0	0	0	0	0
## 926	0	0	0	0	0	0	0
## 892	0	0	0	0	0	0	0
## 945	0	0	0	0	0	0	0
## 937	0	0	0	0	0	0	0
## 908	0	0	0	0	0	0	0
## 958	0	0	0	0	0	0	0
## 971	0	0	0	0	0	0	0
## 985	0	0	0	0	0	0	0
## 1019	0	0	0	0	0	0	1
## 1039	0	0	0	0	0	0	0
## 1017	0	0	0	0	0	0	1
## 1097	0	0	0	0	0	0	0
## 1135	0	0	0	0	0	0	0
## 1135.1	0	0	0	0	0	0	0
## 1136	0	0	0	0	0	0	0
## 1139	0	0	0	0	0	0	0
## 1139.1	0	0	0	0	0	0	0
## 1140	0	0	0	0	0	0	0
## 1145	0	0	0	0	0	0	0
## 1143	0	0	0	0	0	0	0
## 1145.1	0	0	0	0	0	0	0
## 1146	0	0	0	0	0	0	0
## 1138	0	0	0	0	0	0	0
## 1167	0	0	0	0	0	0	0
## 1173	0	0	0	0	0	0	0
## 1175	0	0	0	0	0	0	0
## 1178	0	0	0	0	0	0	0

## 1217	0	1	0	0	0	0	0
## 1211	1	0	0	0	0	0	0
## 1131	0	0	0	0	0	0	1
## 1250	0	1	0	0	0	0	0
## 1253	0	1	0	0	0	0	0
## 1268	0	0	1	0	0	0	0
## 1248	0	0	0	0	0	0	0
## 1249	0	0	0	0	0	0	0
## 1216	0	1	0	0	0	0	0
## 1216.1	0	1	0	0	0	0	0
## 1280	0	1	0	0	0	0	0
## 1266	0	0	1	0	0	0	0
## 1293	0	0	0	0	0	0	0
## 1295	0	0	0	0	0	0	0
## 1295.1	0	0	0	0	0	0	0
## 1296	0	0	0	0	0	0	0
## 1305	0	0	0	0	0	0	0
## 1308	0	0	0	0	0	0	0
## 1308.1	0	0	0	0	0	0	0
## 1309	0	0	0	0	0	0	0
## 1311	0	0	0	0	0	0	0
## 1315	0	0	0	0	0	0	0
## 1315.1	0	0	0	0	0	0	0
## 1316	0	0	0	0	0	0	0
## 1318	0	0	0	0	0	0	0
## 1320	0	0	0	0	0	0	0
## 1315.2	0	0	0	0	0	0	0
## 1316.1	0	0	0	0	0	0	0
## 1317	0	0	0	0	0	0	0
## 1327	0	0	0	0	0	0	0
## 1341	0	0	0	0	0	0	0
## 1345	0	0	0	0	0	0	0
## 1350	0	0	0	0	0	0	0
## 1408	0	0	0	0	0	0	1
## 1438	0	1	0	0	0	0	0
## 1443	0	1	0	0	0	0	0
## 1443.1	0	1	0	0	0	0	0
## 1444	0	1	0	0	0	0	0
## 1290	0	1	0	0	0	0	0
## 1465	1	0	0	0	0	0	0
## 1474	0	0	0	0	0	0	1
## 1474.1	0	0	0	0	0	0	1
## 1475	0	0	0	0	0	0	1
## 1485	0	0	0	0	0	0	1
## 1503	0	0	0	0	0	0	0
## 1506	0	0	0	0	0	0	0
## 1509	0	0	0	1	0	0	0
## 1533	0	0	0	0	0	0	0
## 1533.1	0	0	0	0	0	0	0
## 1534	0	0	0	0	0	0	0
## 1533.2	0	0	0	0	0	0	0
## 1534.1	0	0	0	0	0	0	0
## 1537	0	0	0	0	0	0	0
## 1533.3	0	0	0	0	0	0	0

## 1534.2	0	0	0	0	0	0	0
## 1537.1	0	0	0	0	0	0	0
## 1539	0	0	0	0	0	0	0
## 1545	0	0	0	0	0	0	0
## 1545.1	0	0	0	0	0	0	0
## 1546	0	0	0	0	0	0	0
## 1548	0	0	0	0	0	0	0
## 1552	0	0	0	0	0	0	0
## 1552.1	0	0	0	0	0	0	0
## 1557	0	0	0	0	0	0	0
## 1571	0	0	0	0	0	0	0
## 1580	0	0	0	1	0	0	0
## 1570	0	0	0	0	0	0	0
## 1584	0	0	0	1	0	0	0
## 1584.1	0	0	0	1	0	0	0
## 1606	0	0	0	1	0	0	0
## 1609	0	0	0	0	0	0	0
## 1612	0	0	0	0	0	0	0
## 1624	0	0	0	0	0	0	0
## 1629	0	0	0	0	0	0	0
## 1631	0	0	0	0	0	0	0
## 1642	0	0	0	0	0	0	0
## 1663	0	0	0	0	0	0	0
## 1702	0	0	0	1	0	0	0
## 1700	0	0	0	0	0	0	1
## 1719	0	0	0	0	0	0	0
## 1719.1	0	0	0	0	0	0	0
## 1720	0	0	0	0	0	0	0
## 1731	1	0	0	0	0	0	0
## 1742	0	1	0	0	0	0	0
## 1698	1	0	0	0	0	0	0
## 1749	0	1	0	0	0	0	0
## 1741	0	1	0	0	0	0	0
## 1768	0	0	0	0	0	0	1
## 1807	0	1	0	0	0	0	0
## 1771	0	1	0	0	0	0	0
## 1814	0	0	0	0	0	0	0
## 1830	0	0	0	0	0	0	0
## 1848	0	0	0	0	0	0	0
## 1853	0	0	0	0	0	0	0
## 1863	0	0	0	0	0	0	0
## 1862	0	0	0	0	0	0	0
## 1862.1	0	0	0	0	0	0	0
## 1867	0	0	0	0	0	0	0
## 1865	0	0	0	0	0	0	0
## 1862.2	0	0	0	0	0	0	0
## 1867.1	0	0	0	0	0	0	0
## 1868	0	0	0	0	0	0	0
## 1862.3	0	0	0	0	0	0	0
## 1867.2	0	0	0	0	0	0	0
## 1868.1	0	0	0	0	0	0	0
## 1872	0	0	0	0	0	0	0
## 1879	0	0	0	0	0	0	0
## 1911	1	0	0	0	0	0	0



## 1952	0	1	0	0	0	0	0
## 1954	0	1	0	0	0	0	0
## 1973	0	0	0	1	0	0	0
## 1989	0	0	0	0	0	0	0
## 1994	0	0	0	0	0	0	1
## 1996	0	0	0	1	0	0	0
## 1998	0	0	0	1	0	0	0
## 1998.1	0	0	0	1	0	0	0
## 1999	0	0	0	1	0	0	0
## 2001	0	0	0	0	0	0	1
## 2021	0	0	0	1	0	0	0
## 2015	0	0	0	0	0	0	1
## 2029	0	0	0	0	0	0	0
## 2034	0	0	0	0	0	0	0
## 2039	0	0	0	0	0	0	0
## 2045	0	0	0	0	0	0	1
## 2064	0	0	0	0	0	0	0
## 2062	0	0	0	0	0	0	0
## 2069	0	0	0	0	0	0	0
## 2064.1	0	0	0	0	0	0	0
## 2070	0	0	0	0	0	0	0
## 2101	0	1	0	0	0	0	0
## 2110	0	1	0	0	0	0	0
## 2113	0	1	0	0	0	0	0
## 2131	1	0	0	0	0	0	0
## 2131.1	1	0	0	0	0	0	0
## 2132	1	0	0	0	0	0	0
## 2135	0	0	0	0	0	0	0
## 2145	1	0	0	0	0	0	0
## 2153	0	1	0	0	0	0	0
## 2162	0	0	0	1	0	0	0
## 2162.1	0	0	0	1	0	0	0
## 2163	0	0	0	1	0	0	0
## 2168	0	0	0	1	0	0	0
## 2168.1	0	0	0	1	0	0	0
## 2169	0	0	0	1	0	0	0
## 2179	0	0	0	1	0	0	0
## 2178	0	0	0	1	0	0	0
## 2182	0	0	0	1	0	0	0
## 2162.2	0	0	0	1	0	0	0
## 2163.1	0	0	0	1	0	0	0
## 2164	0	0	0	1	0	0	0
## 2187	0	0	0	1	0	0	0
## 2162.3	0	0	0	1	0	0	0
## 2163.2	0	0	0	1	0	0	0
## 2164.1	0	0	0	1	0	0	0
## 2184	0	0	0	1	0	0	0
## 2174	0	0	0	1	0	0	0
## 2179.1	0	0	0	1	0	0	0
## 2180	0	0	0	1	0	0	0
## 2212	0	0	0	0	0	0	1
## 2229	0	0	0	1	0	0	0
## 2229.1	0	0	0	1	0	0	0
## 2230	0	0	0	1	0	0	0

## 2237	0	0	0	0	0	0	1
## 2247	0	0	0	0	0	0	0
## 2252	0	0	0	0	0	0	0
## 2275	0	0	0	0	0	0	0
## 2282	0	0	0	0	0	0	0
## 2273	0	0	0	0	0	0	0
## 2273.1	0	0	0	0	0	0	0
## 2285	0	0	0	0	0	0	0
## 2287	0	0	0	0	0	0	0
## 2292	0	0	0	0	0	0	0
## 2297	0	0	0	0	0	0	0
## 2300	0	0	0	0	0	0	0
## 2302	0	0	0	0	0	0	0
## 2308	0	0	0	0	0	0	0
## 2308.1	0	0	0	0	0	0	0
## 2309	0	0	0	0	0	0	0
## 2323	0	0	0	0	0	0	0
## 2339	0	0	0	0	0	0	0
## 2357	0	0	0	0	0	1	0
## 2360	0	0	0	0	0	1	0
## 2349	0	0	0	0	0	1	0
## 2367	1	0	0	0	0	0	0
## 2366	0	1	0	0	0	0	0
## 2380	1	0	0	0	0	0	0
## 2418	1	0	0	0	0	0	0
## 2433	1	0	0	0	0	0	0
## 2442	1	0	0	0	0	0	0
## 2450	1	0	0	0	0	0	0
## 2463	0	0	0	0	0	0	1
## 2480	0	0	1	0	0	0	0
## 2493	0	0	0	0	0	0	1
## 2504	0	0	0	0	0	0	1
## 2508	0	0	0	0	0	0	1
## 2512	0	0	1	0	0	0	0
## 2525	0	0	0	0	0	0	0
## 2533	0	0	0	0	0	0	0
## 2541	0	0	0	0	0	0	0
## 2548	0	0	0	0	0	0	0
## 2556	0	0	0	0	0	0	0
## 2568	0	0	0	0	0	0	0
## 2574	0	0	0	0	0	0	0
## 2573	0	0	0	0	0	0	0
## 2574.1	0	0	0	0	0	0	0
## 2575	0	0	0	0	0	0	0
## 2585	0	0	0	0	0	0	0
## 2574.2	0	0	0	0	0	0	0
## 2575.1	0	0	0	0	0	0	0
## 2579	0	0	0	0	0	0	0
## 2574.3	0	0	0	0	0	0	0
## 2575.2	0	0	0	0	0	0	0
## 2579.1	0	0	0	0	0	0	0
## 2591	0	0	0	0	0	0	0
## 2574.4	0	0	0	0	0	0	0
##	Cobervs2	Cobervs3	Cobervs4	Cobervs5	Cobervs6	Cobervs7	Pisosvs1

## 3	0	1	0	0	0	0	0
## 3.1	0	1	0	0	0	0	0
## 4	0	1	0	0	0	0	0
## 2	0	1	0	0	0	0	0
## 11	0	1	0	0	0	0	0
## 11.1	0	1	0	0	0	0	0
## 12	0	1	0	0	0	0	0
## 11.2	0	1	0	0	0	0	0
## 12.1	0	1	0	0	0	0	0
## 13	0	1	0	0	0	0	0
## 11.3	0	1	0	0	0	0	0
## 12.2	0	1	0	0	0	0	0
## 13.1	0	1	0	0	0	0	0
## 14	0	1	0	0	0	0	0
## 11.4	0	1	0	0	0	0	0
## 12.3	0	1	0	0	0	0	0
## 13.2	0	1	0	0	0	0	0
## 14.1	0	1	0	0	0	0	0
## 15	0	1	0	0	0	0	0
## 17	0	1	0	0	0	0	0
## 11.5	0	1	0	0	0	0	0
## 12.4	0	1	0	0	0	0	0
## 13.3	0	1	0	0	0	0	0
## 14.2	0	1	0	0	0	0	0
## 15.1	0	1	0	0	0	0	0
## 16	0	1	0	0	0	0	0
## 17.1	0	1	0	0	0	0	0
## 18	0	1	0	0	0	0	0
## 17.2	0	1	0	0	0	0	0
## 18.1	0	1	0	0	0	0	0
## 21	0	1	0	0	0	0	0
## 17.3	0	1	0	0	0	0	0
## 18.2	0	1	0	0	0	0	0
## 21.1	0	1	0	0	0	0	0
## 22	0	1	0	0	0	0	0
## 17.4	0	1	0	0	0	0	0
## 18.3	0	1	0	0	0	0	0
## 21.2	0	1	0	0	0	0	0
## 22.1	0	1	0	0	0	0	0
## 23	0	1	0	0	0	0	0
## 17.5	0	1	0	0	0	0	0
## 18.4	0	1	0	0	0	0	0
## 21.3	0	1	0	0	0	0	0
## 22.2	0	1	0	0	0	0	0
## 23.1	0	1	0	0	0	0	0
## 24	0	1	0	0	0	0	0
## 17.6	0	1	0	0	0	0	0
## 18.5	0	1	0	0	0	0	0
## 21.4	0	1	0	0	0	0	0
## 22.3	0	1	0	0	0	0	0
## 23.2	0	1	0	0	0	0	0
## 24.1	0	1	0	0	0	0	0
## 25	0	1	0	0	0	0	0
## 17.7	0	1	0	0	0	0	0

## 18.6	0	1	0	0	0	0	0
## 21.5	0	1	0	0	0	0	0
## 22.4	0	1	0	0	0	0	0
## 23.3	0	1	0	0	0	0	0
## 24.2	0	1	0	0	0	0	0
## 25.1	0	1	0	0	0	0	0
## 26	0	1	0	0	0	0	0
## 17.8	0	1	0	0	0	0	0
## 18.7	0	1	0	0	0	0	0
## 21.6	0	1	0	0	0	0	0
## 22.5	0	1	0	0	0	0	0
## 23.4	0	1	0	0	0	0	0
## 24.3	0	1	0	0	0	0	0
## 25.2	0	1	0	0	0	0	0
## 26.1	0	1	0	0	0	0	0
## 27	0	1	0	0	0	0	0
## 17.9	0	1	0	0	0	0	0
## 18.8	0	1	0	0	0	0	0
## 21.7	0	1	0	0	0	0	0
## 22.6	0	1	0	0	0	0	0
## 23.5	0	1	0	0	0	0	0
## 24.4	0	1	0	0	0	0	0
## 25.3	0	1	0	0	0	0	0
## 26.2	0	1	0	0	0	0	0
## 27.1	0	1	0	0	0	0	0
## 28	0	1	0	0	0	0	0
## 17.10	0	1	0	0	0	0	0
## 18.9	0	1	0	0	0	0	0
## 21.8	0	1	0	0	0	0	0
## 22.7	0	1	0	0	0	0	0
## 23.6	0	1	0	0	0	0	0
## 24.5	0	1	0	0	0	0	0
## 25.4	0	1	0	0	0	0	0
## 26.3	0	1	0	0	0	0	0
## 27.2	0	1	0	0	0	0	0
## 28.1	0	1	0	0	0	0	0
## 29	0	1	0	0	0	0	0
## 17.11	0	1	0	0	0	0	0
## 18.10	0	1	0	0	0	0	0
## 21.9	0	1	0	0	0	0	0
## 22.8	0	1	0	0	0	0	0
## 23.7	0	1	0	0	0	0	0
## 24.6	0	1	0	0	0	0	0
## 25.5	0	1	0	0	0	0	0
## 26.4	0	1	0	0	0	0	0
## 27.3	0	1	0	0	0	0	0
## 28.2	0	1	0	0	0	0	0
## 29.1	0	1	0	0	0	0	0
## 30	0	1	0	0	0	0	0
## 17.12	0	1	0	0	0	0	0
## 18.11	0	1	0	0	0	0	0
## 21.10	0	1	0	0	0	0	0
## 22.9	0	1	0	0	0	0	0
## 23.8	0	1	0	0	0	0	0

## 24.7	0	1	0	0	0	0	0
## 25.6	0	1	0	0	0	0	0
## 26.5	0	1	0	0	0	0	0
## 27.4	0	1	0	0	0	0	0
## 28.3	0	1	0	0	0	0	0
## 29.2	0	1	0	0	0	0	0
## 30.1	0	1	0	0	0	0	0
## 31	0	1	0	0	0	0	0
## 17.13	0	1	0	0	0	0	0
## 18.12	0	1	0	0	0	0	0
## 21.11	0	1	0	0	0	0	0
## 22.10	0	1	0	0	0	0	0
## 23.9	0	1	0	0	0	0	0
## 24.8	0	1	0	0	0	0	0
## 25.7	0	1	0	0	0	0	0
## 26.6	0	1	0	0	0	0	0
## 27.5	0	1	0	0	0	0	0
## 28.4	0	1	0	0	0	0	0
## 29.3	0	1	0	0	0	0	0
## 30.2	0	1	0	0	0	0	0
## 31.1	0	1	0	0	0	0	0
## 32	0	1	0	0	0	0	0
## 17.14	0	1	0	0	0	0	0
## 18.13	0	1	0	0	0	0	0
## 21.12	0	1	0	0	0	0	0
## 22.11	0	1	0	0	0	0	0
## 23.10	0	1	0	0	0	0	0
## 24.9	0	1	0	0	0	0	0
## 25.8	0	1	0	0	0	0	0
## 26.7	0	1	0	0	0	0	0
## 27.6	0	1	0	0	0	0	0
## 28.5	0	1	0	0	0	0	0
## 29.4	0	1	0	0	0	0	0
## 30.3	0	1	0	0	0	0	0
## 31.2	0	1	0	0	0	0	0
## 32.1	0	1	0	0	0	0	0
## 33	0	1	0	0	0	0	0
## 17.15	0	1	0	0	0	0	0
## 18.14	0	1	0	0	0	0	0
## 21.13	0	1	0	0	0	0	0
## 22.12	0	1	0	0	0	0	0
## 23.11	0	1	0	0	0	0	0
## 24.10	0	1	0	0	0	0	0
## 25.9	0	1	0	0	0	0	0
## 26.8	0	1	0	0	0	0	0
## 27.7	0	1	0	0	0	0	0
## 28.6	0	1	0	0	0	0	0
## 29.5	0	1	0	0	0	0	0
## 30.4	0	1	0	0	0	0	0
## 31.3	0	1	0	0	0	0	0
## 32.2	0	1	0	0	0	0	0
## 33.1	0	1	0	0	0	0	0
## 34	0	1	0	0	0	0	0
## 17.16	0	1	0	0	0	0	0

## 18.15	0	1	0	0	0	0	0
## 21.14	0	1	0	0	0	0	0
## 22.13	0	1	0	0	0	0	0
## 23.12	0	1	0	0	0	0	0
## 24.11	0	1	0	0	0	0	0
## 25.10	0	1	0	0	0	0	0
## 26.9	0	1	0	0	0	0	0
## 27.8	0	1	0	0	0	0	0
## 28.7	0	1	0	0	0	0	0
## 29.6	0	1	0	0	0	0	0
## 30.5	0	1	0	0	0	0	0
## 31.4	0	1	0	0	0	0	0
## 32.3	0	1	0	0	0	0	0
## 33.2	0	1	0	0	0	0	0
## 34.1	0	1	0	0	0	0	0
## 35	0	1	0	0	0	0	0
## 17.17	0	1	0	0	0	0	0
## 18.16	0	1	0	0	0	0	0
## 21.15	0	1	0	0	0	0	0
## 22.14	0	1	0	0	0	0	0
## 23.13	0	1	0	0	0	0	0
## 24.12	0	1	0	0	0	0	0
## 25.11	0	1	0	0	0	0	0
## 26.10	0	1	0	0	0	0	0
## 27.9	0	1	0	0	0	0	0
## 28.8	0	1	0	0	0	0	0
## 29.7	0	1	0	0	0	0	0
## 30.6	0	1	0	0	0	0	0
## 31.5	0	1	0	0	0	0	0
## 32.4	0	1	0	0	0	0	0
## 33.3	0	1	0	0	0	0	0
## 34.2	0	1	0	0	0	0	0
## 35.1	0	1	0	0	0	0	0
## 36	0	1	0	0	0	0	0
## 17.18	0	1	0	0	0	0	0
## 18.17	0	1	0	0	0	0	0
## 21.16	0	1	0	0	0	0	0
## 22.15	0	1	0	0	0	0	0
## 23.14	0	1	0	0	0	0	0
## 24.13	0	1	0	0	0	0	0
## 25.12	0	1	0	0	0	0	0
## 26.11	0	1	0	0	0	0	0
## 27.10	0	1	0	0	0	0	0
## 28.9	0	1	0	0	0	0	0
## 29.8	0	1	0	0	0	0	0
## 30.7	0	1	0	0	0	0	0
## 31.6	0	1	0	0	0	0	0
## 32.5	0	1	0	0	0	0	0
## 33.4	0	1	0	0	0	0	0
## 34.3	0	1	0	0	0	0	0
## 35.2	0	1	0	0	0	0	0
## 36.1	0	1	0	0	0	0	0
## 37	0	1	0	0	0	0	0
## 17.19	0	1	0	0	0	0	0

## 18.18	0	1	0	0	0	0	0
## 21.17	0	1	0	0	0	0	0
## 22.16	0	1	0	0	0	0	0
## 23.15	0	1	0	0	0	0	0
## 24.14	0	1	0	0	0	0	0
## 25.13	0	1	0	0	0	0	0
## 26.12	0	1	0	0	0	0	0
## 27.11	0	1	0	0	0	0	0
## 28.10	0	1	0	0	0	0	0
## 29.9	0	1	0	0	0	0	0
## 30.8	0	1	0	0	0	0	0
## 31.7	0	1	0	0	0	0	0
## 32.6	0	1	0	0	0	0	0
## 33.5	0	1	0	0	0	0	0
## 34.4	0	1	0	0	0	0	0
## 35.3	0	1	0	0	0	0	0
## 36.2	0	1	0	0	0	0	0
## 37.1	0	1	0	0	0	0	0
## 38	0	1	0	0	0	0	0
## 17.20	0	1	0	0	0	0	0
## 18.19	0	1	0	0	0	0	0
## 21.18	0	1	0	0	0	0	0
## 22.17	0	1	0	0	0	0	0
## 23.16	0	1	0	0	0	0	0
## 24.15	0	1	0	0	0	0	0
## 25.14	0	1	0	0	0	0	0
## 26.13	0	1	0	0	0	0	0
## 27.12	0	1	0	0	0	0	0
## 28.11	0	1	0	0	0	0	0
## 29.10	0	1	0	0	0	0	0
## 30.9	0	1	0	0	0	0	0
## 31.8	0	1	0	0	0	0	0
## 32.7	0	1	0	0	0	0	0
## 33.6	0	1	0	0	0	0	0
## 34.5	0	1	0	0	0	0	0
## 35.4	0	1	0	0	0	0	0
## 36.3	0	1	0	0	0	0	0
## 37.2	0	1	0	0	0	0	0
## 38.1	0	1	0	0	0	0	0
## 39	0	1	0	0	0	0	0
## 17.21	0	1	0	0	0	0	0
## 18.20	0	1	0	0	0	0	0
## 21.19	0	1	0	0	0	0	0
## 22.18	0	1	0	0	0	0	0
## 23.17	0	1	0	0	0	0	0
## 24.16	0	1	0	0	0	0	0
## 25.15	0	1	0	0	0	0	0
## 26.14	0	1	0	0	0	0	0
## 27.13	0	1	0	0	0	0	0
## 28.12	0	1	0	0	0	0	0
## 29.11	0	1	0	0	0	0	0
## 30.10	0	1	0	0	0	0	0
## 31.9	0	1	0	0	0	0	0
## 32.8	0	1	0	0	0	0	0

## 33.7	0	1	0	0	0	0	0
## 34.6	0	1	0	0	0	0	0
## 35.5	0	1	0	0	0	0	0
## 36.4	0	1	0	0	0	0	0
## 37.3	0	1	0	0	0	0	0
## 38.2	0	1	0	0	0	0	0
## 39.1	0	1	0	0	0	0	0
## 41	0	1	0	0	0	0	0
## 10	1	0	0	0	0	0	0
## 50	0	1	0	0	0	0	0
## 51	1	0	0	0	0	0	0
## 58	1	0	0	0	0	0	0
## 44	0	1	0	0	0	0	0
## 49	0	1	0	0	0	0	0
## 9	0	1	0	0	0	0	0
## 58.1	1	0	0	0	0	0	0
## 59	1	0	0	0	0	0	0
## 74	1	0	0	0	0	0	0
## 76	1	0	0	0	0	0	0
## 88	1	0	0	0	0	0	0
## 83	0	1	0	0	0	0	0
## 89	1	0	0	0	0	0	0
## 79	0	1	0	0	0	0	0
## 76.1	1	0	0	0	0	0	0
## 77	1	0	0	0	0	0	0
## 73	0	1	0	0	0	0	0
## 72	0	1	0	0	0	0	0
## 71	0	1	0	0	0	0	0
## 96	0	0	0	1	0	0	0
## 74.1	1	0	0	0	0	0	0
## 75	1	0	0	0	0	0	0
## 104	0	1	0	0	0	0	0
## 119	1	0	0	0	0	0	0
## 129	0	0	1	0	0	0	0
## 128	0	1	0	0	0	0	1
## 122	0	1	0	0	0	0	1
## 142	1	0	0	0	0	0	0
## 150	1	0	0	0	0	0	0
## 121	0	1	0	0	0	0	0
## 167	0	1	0	0	0	0	0
## 121.1	0	1	0	0	0	0	0
## 154	0	1	0	0	0	0	0
## 142.1	1	0	0	0	0	0	0
## 146	1	0	0	0	0	0	0
## 119.1	1	0	0	0	0	0	0
## 120	1	0	0	0	0	0	0
## 177	1	0	0	0	0	0	0
## 174	0	1	0	0	0	0	0
## 175	0	1	0	0	0	0	0
## 176	0	1	0	0	0	0	0
## 135	0	1	0	0	0	0	0
## 169	0	1	0	0	0	0	0
## 196	1	0	0	0	0	0	0
## 196.1	1	0	0	0	0	0	0



## 197	1	0	0	0	0	0	0
## 196.2	1	0	0	0	0	0	0
## 197.1	1	0	0	0	0	0	0
## 198	1	0	0	0	0	0	0
## 196.3	1	0	0	0	0	0	0
## 197.2	1	0	0	0	0	0	0
## 198.1	1	0	0	0	0	0	0
## 199	1	0	0	0	0	0	0
## 196.4	1	0	0	0	0	0	0
## 197.3	1	0	0	0	0	0	0
## 198.2	1	0	0	0	0	0	0
## 199.1	1	0	0	0	0	0	0
## 200	1	0	0	0	0	0	0
## 195	0	1	0	0	0	0	0
## 206	1	0	0	0	0	0	0
## 208	0	1	0	0	0	0	0
## 213	0	1	0	0	0	0	0
## 213.1	0	1	0	0	0	0	0
## 214	0	1	0	0	0	0	0
## 213.2	0	1	0	0	0	0	0
## 214.1	0	1	0	0	0	0	0
## 215	0	1	0	0	0	0	0
## 217	1	0	0	0	0	0	0
## 217.1	1	0	0	0	0	0	0
## 218	1	0	0	0	0	0	0
## 231	0	1	0	0	0	0	0
## 242	0	1	0	0	0	0	0
## 250	0	1	0	0	0	0	0
## 223	0	1	0	0	0	0	0
## 238	1	0	0	0	0	0	0
## 246	0	1	0	0	0	0	1
## 246.1	0	1	0	0	0	0	1
## 260	0	1	0	0	0	0	1
## 282	0	1	0	0	0	0	0
## 284	0	0	0	1	0	0	0
## 196.5	1	0	0	0	0	0	0
## 197.4	1	0	0	0	0	0	0
## 198.3	1	0	0	0	0	0	0
## 199.2	1	0	0	0	0	0	0
## 200.1	1	0	0	0	0	0	0
## 201	1	0	0	0	0	0	0
## 195.1	0	1	0	0	0	0	0
## 202	0	1	0	0	0	0	0
## 238.1	1	0	0	0	0	0	0
## 254	1	0	0	0	0	0	0
## 296	1	0	0	0	0	0	0
## 237	1	0	0	0	0	0	0
## 296.1	1	0	0	0	0	0	0
## 297	1	0	0	0	0	0	0
## 275	0	1	0	0	0	0	0
## 296.2	1	0	0	0	0	0	0
## 297.1	1	0	0	0	0	0	0
## 299	1	0	0	0	0	0	0
## 237.1	1	0	0	0	0	0	0

## 298	1	0	0	0	0	0	0
## 292	0	1	0	0	0	0	0
## 195.2	0	1	0	0	0	0	0
## 202.1	0	1	0	0	0	0	0
## 293	0	1	0	0	0	0	0
## 317	1	0	0	0	0	0	0
## 316	0	0	0	1	0	0	0
## 322	0	0	1	0	0	0	0
## 324	0	1	0	0	0	0	0
## 329	0	1	0	0	0	0	1
## 337	0	1	0	0	0	0	1
## 355	0	1	0	0	0	0	1
## 322.1	0	0	1	0	0	0	0
## 323	0	0	1	0	0	0	0
## 320	0	1	0	0	0	0	0
## 317.1	1	0	0	0	0	0	0
## 318	1	0	0	0	0	0	0
## 319	0	1	0	0	0	0	0
## 317.2	1	0	0	0	0	0	0
## 318.1	1	0	0	0	0	0	0
## 375	1	0	0	0	0	0	0
## 393	0	0	1	0	0	0	0
## 316.1	0	0	0	1	0	0	0
## 321	0	0	0	1	0	0	0
## 381	0	1	0	0	0	0	0
## 399	0	1	0	0	0	0	0
## 399.1	0	1	0	0	0	0	0
## 400	0	1	0	0	0	0	0
## 402	0	1	0	0	0	0	1
## 408	0	1	0	0	0	0	0
## 408.1	0	1	0	0	0	0	0
## 409	0	1	0	0	0	0	0
## 417	0	1	0	0	0	0	0
## 411	0	1	0	0	0	0	1
## 408.2	0	1	0	0	0	0	0
## 409.1	0	1	0	0	0	0	0
## 410	0	1	0	0	0	0	0
## 431	0	1	0	0	0	0	1
## 435	0	1	0	0	0	0	1
## 433	0	1	0	0	0	0	1
## 427	0	1	0	0	0	0	1
## 447	1	0	0	0	0	0	0
## 449	1	0	0	0	0	0	0
## 465	0	1	0	0	0	0	1
## 470	0	0	1	0	0	0	1
## 460	0	1	0	0	0	0	1
## 479	0	1	0	0	0	0	0
## 402.1	0	1	0	0	0	0	1
## 403	0	1	0	0	0	0	1
## 502	0	0	1	0	0	0	1
## 502.1	0	0	1	0	0	0	1
## 503	0	0	1	0	0	0	1
## 497	1	0	0	0	0	0	0
## 514	0	1	0	0	0	0	1

## 507	0	1	0	0	0	0	0
## 399.2	0	1	0	0	0	0	0
## 400.1	0	1	0	0	0	0	0
## 401	0	1	0	0	0	0	0
## 497.1	1	0	0	0	0	0	0
## 508	1	0	0	0	0	0	0
## 495	0	1	0	0	0	0	0
## 572	0	1	0	0	0	0	0
## 574	1	0	0	0	0	0	0
## 574.1	1	0	0	0	0	0	0
## 575	1	0	0	0	0	0	0
## 579	1	0	0	0	0	0	0
## 579.1	1	0	0	0	0	0	0
## 582	1	0	0	0	0	0	0
## 586	0	0	0	1	0	0	0
## 572.1	0	1	0	0	0	0	0
## 573	0	1	0	0	0	0	0
## 599	1	0	0	0	0	0	0
## 612	0	1	0	0	0	0	1
## 617	0	1	0	0	0	0	0
## 616	0	1	0	0	0	0	1
## 641	0	1	0	0	0	0	1
## 662	0	1	0	0	0	0	1
## 668	1	0	0	0	0	0	0
## 678	0	0	0	1	0	0	0
## 677	0	1	0	0	0	0	0
## 647	0	1	0	0	0	0	0
## 700	0	1	0	0	0	0	0
## 704	1	0	0	0	0	0	0
## 709	1	0	0	0	0	0	0
## 732	1	0	0	0	0	0	0
## 806	0	1	0	0	0	0	0
## 700.1	0	1	0	0	0	0	0
## 701	0	1	0	0	0	0	0
## 851	0	1	0	0	0	0	0
## 859	0	1	0	0	0	0	0
## 887	0	1	0	0	0	0	0
## 894	0	1	0	0	0	0	0
## 896	0	1	0	0	0	0	0
## 899	0	1	0	0	0	0	0
## 901	1	0	0	0	0	0	0
## 910	1	0	0	0	0	0	0
## 894.1	0	1	0	0	0	0	0
## 900	0	1	0	0	0	0	0
## 917	1	0	0	0	0	0	0
## 926	1	0	0	0	0	0	0
## 892	1	0	0	0	0	0	0
## 945	0	1	0	0	0	0	0
## 937	1	0	0	0	0	0	0
## 908	0	1	0	0	0	0	0
## 958	1	0	0	0	0	0	0
## 971	1	0	0	0	0	0	0
## 985	0	1	0	0	0	0	0
## 1019	0	1	0	0	0	0	1

## 1039	1	0	0	0	0	0	0
## 1017	0	1	0	0	0	0	1
## 1097	0	1	0	0	0	0	0
## 1135	0	1	0	0	0	0	0
## 1135.1	0	1	0	0	0	0	0
## 1136	0	1	0	0	0	0	0
## 1139	0	1	0	0	0	0	0
## 1139.1	0	1	0	0	0	0	0
## 1140	0	1	0	0	0	0	0
## 1145	0	1	0	0	0	0	0
## 1143	0	1	0	0	0	0	0
## 1145.1	0	1	0	0	0	0	0
## 1146	0	1	0	0	0	0	0
## 1138	0	1	0	0	0	0	0
## 1167	1	0	0	0	0	0	0
## 1173	1	0	0	0	0	0	0
## 1175	1	0	0	0	0	0	0
## 1178	0	1	0	0	0	0	0
## 1217	1	0	0	0	0	0	0
## 1211	0	1	0	0	0	0	0
## 1131	0	0	0	0	1	0	1
## 1250	1	0	0	0	0	0	0
## 1253	0	1	0	0	0	0	0
## 1268	0	1	0	0	0	0	1
## 1248	0	1	0	0	0	0	0
## 1249	0	1	0	0	0	0	0
## 1216	0	1	0	0	0	0	0
## 1216.1	0	1	0	0	0	0	0
## 1280	0	1	0	0	0	0	0
## 1266	0	1	0	0	0	0	1
## 1293	0	1	0	0	0	0	0
## 1295	1	0	0	0	0	0	0
## 1295.1	1	0	0	0	0	0	0
## 1296	1	0	0	0	0	0	0
## 1305	0	1	0	0	0	0	0
## 1308	0	1	0	0	0	0	1
## 1308.1	0	1	0	0	0	0	1
## 1309	0	1	0	0	0	0	1
## 1311	1	0	0	0	0	0	1
## 1315	1	0	0	0	0	0	0
## 1315.1	1	0	0	0	0	0	0
## 1316	1	0	0	0	0	0	0
## 1318	0	1	0	0	0	0	0
## 1320	0	1	0	0	0	0	0
## 1315.2	1	0	0	0	0	0	0
## 1316.1	1	0	0	0	0	0	0
## 1317	1	0	0	0	0	0	0
## 1327	1	0	0	0	0	0	0
## 1341	0	1	0	0	0	0	0
## 1345	0	1	0	0	0	0	0
## 1350	0	1	0	0	0	0	0
## 1408	0	1	0	0	0	0	1
## 1438	0	1	0	0	0	0	0
## 1443	0	1	0	0	0	0	0

## 1443.1	0	1	0	0	0	0	0
## 1444	0	1	0	0	0	0	0
## 1290	0	1	0	0	0	0	0
## 1465	0	1	0	0	0	0	0
## 1474	1	0	0	0	0	0	1
## 1474.1	1	0	0	0	0	0	1
## 1475	1	0	0	0	0	0	1
## 1485	0	1	0	0	0	0	0
## 1503	0	1	0	0	0	0	0
## 1506	0	1	0	0	0	0	0
## 1509	0	1	0	0	0	0	1
## 1533	0	1	0	0	0	0	0
## 1533.1	0	1	0	0	0	0	0
## 1534	0	1	0	0	0	0	0
## 1533.2	0	1	0	0	0	0	0
## 1534.1	0	1	0	0	0	0	0
## 1537	0	1	0	0	0	0	0
## 1533.3	0	1	0	0	0	0	0
## 1534.2	0	1	0	0	0	0	0
## 1537.1	0	1	0	0	0	0	0
## 1539	0	1	0	0	0	0	0
## 1545	0	1	0	0	0	0	0
## 1545.1	0	1	0	0	0	0	0
## 1546	0	1	0	0	0	0	0
## 1548	1	0	0	0	0	0	0
## 1552	0	1	0	0	0	0	0
## 1552.1	0	1	0	0	0	0	0
## 1557	0	1	0	0	0	0	0
## 1571	1	0	0	0	0	0	0
## 1580	0	1	0	0	0	0	1
## 1570	0	0	0	1	0	0	0
## 1584	0	1	0	0	0	0	1
## 1584.1	0	1	0	0	0	0	1
## 1606	0	1	0	0	0	0	1
## 1609	0	1	0	0	0	0	0
## 1612	0	1	0	0	0	0	0
## 1624	0	1	0	0	0	0	0
## 1629	1	0	0	0	0	0	1
## 1631	0	1	0	0	0	0	0
## 1642	0	0	0	1	0	0	0
## 1663	0	1	0	0	0	0	0
## 1702	0	1	0	0	0	0	1
## 1700	0	1	0	0	0	0	1
## 1719	0	1	0	0	0	0	0
## 1719.1	0	1	0	0	0	0	0
## 1720	0	1	0	0	0	0	0
## 1731	0	1	0	0	0	0	0
## 1742	0	1	0	0	0	0	0
## 1698	0	1	0	0	0	0	0
## 1749	0	1	0	0	0	0	0
## 1741	0	1	0	0	0	0	0
## 1768	0	1	0	0	0	0	1
## 1807	0	1	0	0	0	0	0
## 1771	0	1	0	0	0	0	0

## 1814	0	1	0	0	0	0	0
## 1830	1	0	0	0	0	0	1
## 1848	0	1	0	0	0	0	0
## 1853	0	1	0	0	0	0	0
## 1863	0	0	1	0	0	0	1
## 1862	1	0	0	0	0	0	1
## 1862.1	1	0	0	0	0	0	1
## 1867	1	0	0	0	0	0	1
## 1865	0	1	0	0	0	0	0
## 1862.2	1	0	0	0	0	0	1
## 1867.1	1	0	0	0	0	0	1
## 1868	1	0	0	0	0	0	1
## 1862.3	1	0	0	0	0	0	1
## 1867.2	1	0	0	0	0	0	1
## 1868.1	1	0	0	0	0	0	1
## 1872	1	0	0	0	0	0	1
## 1879	0	1	0	0	0	0	0
## 1911	0	1	0	0	0	0	0
## 1952	0	1	0	0	0	0	0
## 1954	0	1	0	0	0	0	0
## 1973	0	1	0	0	0	0	0
## 1989	0	1	0	0	0	0	0
## 1994	0	1	0	0	0	0	1
## 1996	0	1	0	0	0	0	1
## 1998	1	0	0	0	0	0	1
## 1998.1	1	0	0	0	0	0	1
## 1999	1	0	0	0	0	0	1
## 2001	0	1	0	0	0	0	1
## 2021	0	1	0	0	0	0	0
## 2015	0	1	0	0	0	0	0
## 2029	0	1	0	0	0	0	0
## 2034	0	1	0	0	0	0	0
## 2039	1	0	0	0	0	0	1
## 2045	0	1	0	0	0	0	1
## 2064	1	0	0	0	0	0	0
## 2062	0	1	0	0	0	0	0
## 2069	0	1	0	0	0	0	0
## 2064.1	1	0	0	0	0	0	0
## 2070	1	0	0	0	0	0	0
## 2101	1	0	0	0	0	0	0
## 2110	0	1	0	0	0	0	0
## 2113	1	0	0	0	0	0	0
## 2131	0	1	0	0	0	0	0
## 2131.1	0	1	0	0	0	0	0
## 2132	0	1	0	0	0	0	0
## 2135	0	1	0	0	0	0	0
## 2145	0	1	0	0	0	0	0
## 2153	0	1	0	0	0	0	0
## 2162	0	0	1	0	0	0	0
## 2162.1	0	0	1	0	0	0	0
## 2163	0	0	1	0	0	0	0
## 2168	0	1	0	0	0	0	1
## 2168.1	0	1	0	0	0	0	1
## 2169	0	1	0	0	0	0	1

## 2179	0	1	0	0	0	0	0
## 2178	0	1	0	0	0	0	1
## 2182	0	1	0	0	0	0	0
## 2162.2	0	0	1	0	0	0	0
## 2163.1	0	0	1	0	0	0	0
## 2164	0	0	1	0	0	0	0
## 2187	0	1	0	0	0	0	1
## 2162.3	0	0	1	0	0	0	0
## 2163.2	0	0	1	0	0	0	0
## 2164.1	0	0	1	0	0	0	0
## 2184	0	0	1	0	0	0	0
## 2174	0	1	0	0	0	0	1
## 2179.1	0	1	0	0	0	0	0
## 2180	0	1	0	0	0	0	0
## 2212	0	1	0	0	0	0	1
## 2229	0	1	0	0	0	0	0
## 2229.1	0	1	0	0	0	0	0
## 2230	0	1	0	0	0	0	0
## 2237	0	1	0	0	0	0	0
## 2247	0	1	0	0	0	0	0
## 2252	0	1	0	0	0	0	0
## 2275	0	1	0	0	0	0	0
## 2282	0	1	0	0	0	0	0
## 2273	0	1	0	0	0	0	0
## 2273.1	0	1	0	0	0	0	0
## 2285	0	1	0	0	0	0	0
## 2287	0	1	0	0	0	0	0
## 2292	0	1	0	0	0	0	0
## 2297	1	0	0	0	0	0	0
## 2300	1	0	0	0	0	0	0
## 2302	0	1	0	0	0	0	0
## 2308	1	0	0	0	0	0	0
## 2308.1	1	0	0	0	0	0	0
## 2309	1	0	0	0	0	0	0
## 2323	1	0	0	0	0	0	0
## 2339	0	1	0	0	0	0	0
## 2357	1	0	0	0	0	0	0
## 2360	0	1	0	0	0	0	0
## 2349	0	0	1	0	0	0	0
## 2367	0	1	0	0	0	0	0
## 2366	0	1	0	0	0	0	0
## 2380	0	1	0	0	0	0	0
## 2418	0	1	0	0	0	0	0
## 2433	0	1	0	0	0	0	0
## 2442	0	1	0	0	0	0	0
## 2450	0	1	0	0	0	0	0
## 2463	0	1	0	0	0	0	0
## 2480	0	1	0	0	0	0	1
## 2493	0	1	0	0	0	0	0
## 2504	0	1	0	0	0	0	1
## 2508	0	1	0	0	0	0	1
## 2512	0	1	0	0	0	0	1
## 2525	1	0	0	0	0	0	0
## 2533	0	0	0	0	1	0	0

## 2541	0	0	0	0	1	0	0
## 2548	0	1	0	0	0	0	0
## 2556	0	1	0	0	0	0	0
## 2568	0	1	0	0	0	0	0
## 2574	0	1	0	0	0	0	0
## 2573	1	0	0	0	0	0	0
## 2574.1	0	1	0	0	0	0	0
## 2575	0	1	0	0	0	0	0
## 2585	0	1	0	0	0	0	0
## 2574.2	0	1	0	0	0	0	0
## 2575.1	0	1	0	0	0	0	0
## 2579	0	1	0	0	0	0	0
## 2574.3	0	1	0	0	0	0	0
## 2575.2	0	1	0	0	0	0	0
## 2579.1	0	1	0	0	0	0	0
## 2591	0	1	0	0	0	0	0
## 2574.4	0	1	0	0	0	0	0
##	Pisosvs2	Pisosvs3	Pisosvs4	Pisosvs7	Pisosvs9	Suelosvs1	Suelosvs2
## 3	0	0	0	0	1	0	0
## 3.1	0	0	0	0	1	0	0
## 4	0	0	0	0	1	0	0
## 2	0	0	0	0	1	0	1
## 11	0	0	0	0	1	0	0
## 11.1	0	0	0	0	1	0	0
## 12	0	0	0	0	1	0	0
## 11.2	0	0	0	0	1	0	0
## 12.1	0	0	0	0	1	0	0
## 13	0	0	0	0	1	0	0
## 11.3	0	0	0	0	1	0	0
## 12.2	0	0	0	0	1	0	0
## 13.1	0	0	0	0	1	0	0
## 14	0	0	0	0	1	0	0
## 11.4	0	0	0	0	1	0	0
## 12.3	0	0	0	0	1	0	0
## 13.2	0	0	0	0	1	0	0
## 14.1	0	0	0	0	1	0	0
## 15	0	0	0	0	1	0	0
## 17	0	0	0	0	1	0	0
## 11.5	0	0	0	0	1	0	0
## 12.4	0	0	0	0	1	0	0
## 13.3	0	0	0	0	1	0	0
## 14.2	0	0	0	0	1	0	0
## 15.1	0	0	0	0	1	0	0
## 16	0	0	0	0	1	0	0
## 17.1	0	0	0	0	1	0	0
## 18	0	0	0	0	1	0	0
## 17.2	0	0	0	0	1	0	0
## 18.1	0	0	0	0	1	0	0
## 21	0	0	0	0	1	0	0
## 17.3	0	0	0	0	1	0	0
## 18.2	0	0	0	0	1	0	0
## 21.1	0	0	0	0	1	0	0
## 22	0	0	0	0	1	0	0
## 17.4	0	0	0	0	1	0	0



## 18.3	0	0	0	0	1	0	0
## 21.2	0	0	0	0	1	0	0
## 22.1	0	0	0	0	1	0	0
## 23	0	0	0	0	1	0	0
## 17.5	0	0	0	0	1	0	0
## 18.4	0	0	0	0	1	0	0
## 21.3	0	0	0	0	1	0	0
## 22.2	0	0	0	0	1	0	0
## 23.1	0	0	0	0	1	0	0
## 24	0	0	0	0	1	0	0
## 17.6	0	0	0	0	1	0	0
## 18.5	0	0	0	0	1	0	0
## 21.4	0	0	0	0	1	0	0
## 22.3	0	0	0	0	1	0	0
## 23.2	0	0	0	0	1	0	0
## 24.1	0	0	0	0	1	0	0
## 25	0	0	0	0	1	0	0
## 17.7	0	0	0	0	1	0	0
## 18.6	0	0	0	0	1	0	0
## 21.5	0	0	0	0	1	0	0
## 22.4	0	0	0	0	1	0	0
## 23.3	0	0	0	0	1	0	0
## 24.2	0	0	0	0	1	0	0
## 25.1	0	0	0	0	1	0	0
## 26	0	0	0	0	1	0	0
## 17.8	0	0	0	0	1	0	0
## 18.7	0	0	0	0	1	0	0
## 21.6	0	0	0	0	1	0	0
## 22.5	0	0	0	0	1	0	0
## 23.4	0	0	0	0	1	0	0
## 24.3	0	0	0	0	1	0	0
## 25.2	0	0	0	0	1	0	0
## 26.1	0	0	0	0	1	0	0
## 27	0	0	0	0	1	0	0
## 17.9	0	0	0	0	1	0	0
## 18.8	0	0	0	0	1	0	0
## 21.7	0	0	0	0	1	0	0
## 22.6	0	0	0	0	1	0	0
## 23.5	0	0	0	0	1	0	0
## 24.4	0	0	0	0	1	0	0
## 25.3	0	0	0	0	1	0	0
## 26.2	0	0	0	0	1	0	0
## 27.1	0	0	0	0	1	0	0
## 28	0	0	0	0	1	0	0
## 17.10	0	0	0	0	1	0	0
## 18.9	0	0	0	0	1	0	0
## 21.8	0	0	0	0	1	0	0
## 22.7	0	0	0	0	1	0	0
## 23.6	0	0	0	0	1	0	0
## 24.5	0	0	0	0	1	0	0
## 25.4	0	0	0	0	1	0	0
## 26.3	0	0	0	0	1	0	0
## 27.2	0	0	0	0	1	0	0
## 28.1	0	0	0	0	1	0	0

## 29	0	0	0	0	1	0	0
## 17.11	0	0	0	0	1	0	0
## 18.10	0	0	0	0	1	0	0
## 21.9	0	0	0	0	1	0	0
## 22.8	0	0	0	0	1	0	0
## 23.7	0	0	0	0	1	0	0
## 24.6	0	0	0	0	1	0	0
## 25.5	0	0	0	0	1	0	0
## 26.4	0	0	0	0	1	0	0
## 27.3	0	0	0	0	1	0	0
## 28.2	0	0	0	0	1	0	0
## 29.1	0	0	0	0	1	0	0
## 30	0	0	0	0	1	0	0
## 17.12	0	0	0	0	1	0	0
## 18.11	0	0	0	0	1	0	0
## 21.10	0	0	0	0	1	0	0
## 22.9	0	0	0	0	1	0	0
## 23.8	0	0	0	0	1	0	0
## 24.7	0	0	0	0	1	0	0
## 25.6	0	0	0	0	1	0	0
## 26.5	0	0	0	0	1	0	0
## 27.4	0	0	0	0	1	0	0
## 28.3	0	0	0	0	1	0	0
## 29.2	0	0	0	0	1	0	0
## 30.1	0	0	0	0	1	0	0
## 31	0	0	0	0	1	0	0
## 17.13	0	0	0	0	1	0	0
## 18.12	0	0	0	0	1	0	0
## 21.11	0	0	0	0	1	0	0
## 22.10	0	0	0	0	1	0	0
## 23.9	0	0	0	0	1	0	0
## 24.8	0	0	0	0	1	0	0
## 25.7	0	0	0	0	1	0	0
## 26.6	0	0	0	0	1	0	0
## 27.5	0	0	0	0	1	0	0
## 28.4	0	0	0	0	1	0	0
## 29.3	0	0	0	0	1	0	0
## 30.2	0	0	0	0	1	0	0
## 31.1	0	0	0	0	1	0	0
## 32	0	0	0	0	1	0	0
## 17.14	0	0	0	0	1	0	0
## 18.13	0	0	0	0	1	0	0
## 21.12	0	0	0	0	1	0	0
## 22.11	0	0	0	0	1	0	0
## 23.10	0	0	0	0	1	0	0
## 24.9	0	0	0	0	1	0	0
## 25.8	0	0	0	0	1	0	0
## 26.7	0	0	0	0	1	0	0
## 27.6	0	0	0	0	1	0	0
## 28.5	0	0	0	0	1	0	0
## 29.4	0	0	0	0	1	0	0
## 30.3	0	0	0	0	1	0	0
## 31.2	0	0	0	0	1	0	0
## 32.1	0	0	0	0	1	0	0

## 33	0	0	0	0	1	0	0
## 17.15	0	0	0	0	1	0	0
## 18.14	0	0	0	0	1	0	0
## 21.13	0	0	0	0	1	0	0
## 22.12	0	0	0	0	1	0	0
## 23.11	0	0	0	0	1	0	0
## 24.10	0	0	0	0	1	0	0
## 25.9	0	0	0	0	1	0	0
## 26.8	0	0	0	0	1	0	0
## 27.7	0	0	0	0	1	0	0
## 28.6	0	0	0	0	1	0	0
## 29.5	0	0	0	0	1	0	0
## 30.4	0	0	0	0	1	0	0
## 31.3	0	0	0	0	1	0	0
## 32.2	0	0	0	0	1	0	0
## 33.1	0	0	0	0	1	0	0
## 34	0	0	0	0	1	0	0
## 17.16	0	0	0	0	1	0	0
## 18.15	0	0	0	0	1	0	0
## 21.14	0	0	0	0	1	0	0
## 22.13	0	0	0	0	1	0	0
## 23.12	0	0	0	0	1	0	0
## 24.11	0	0	0	0	1	0	0
## 25.10	0	0	0	0	1	0	0
## 26.9	0	0	0	0	1	0	0
## 27.8	0	0	0	0	1	0	0
## 28.7	0	0	0	0	1	0	0
## 29.6	0	0	0	0	1	0	0
## 30.5	0	0	0	0	1	0	0
## 31.4	0	0	0	0	1	0	0
## 32.3	0	0	0	0	1	0	0
## 33.2	0	0	0	0	1	0	0
## 34.1	0	0	0	0	1	0	0
## 35	0	0	0	0	1	0	0
## 17.17	0	0	0	0	1	0	0
## 18.16	0	0	0	0	1	0	0
## 21.15	0	0	0	0	1	0	0
## 22.14	0	0	0	0	1	0	0
## 23.13	0	0	0	0	1	0	0
## 24.12	0	0	0	0	1	0	0
## 25.11	0	0	0	0	1	0	0
## 26.10	0	0	0	0	1	0	0
## 27.9	0	0	0	0	1	0	0
## 28.8	0	0	0	0	1	0	0
## 29.7	0	0	0	0	1	0	0
## 30.6	0	0	0	0	1	0	0
## 31.5	0	0	0	0	1	0	0
## 32.4	0	0	0	0	1	0	0
## 33.3	0	0	0	0	1	0	0
## 34.2	0	0	0	0	1	0	0
## 35.1	0	0	0	0	1	0	0
## 36	0	0	0	0	1	0	0
## 17.18	0	0	0	0	1	0	0
## 18.17	0	0	0	0	1	0	0

## 21.16	0	0	0	0	1	0	0
## 22.15	0	0	0	0	1	0	0
## 23.14	0	0	0	0	1	0	0
## 24.13	0	0	0	0	1	0	0
## 25.12	0	0	0	0	1	0	0
## 26.11	0	0	0	0	1	0	0
## 27.10	0	0	0	0	1	0	0
## 28.9	0	0	0	0	1	0	0
## 29.8	0	0	0	0	1	0	0
## 30.7	0	0	0	0	1	0	0
## 31.6	0	0	0	0	1	0	0
## 32.5	0	0	0	0	1	0	0
## 33.4	0	0	0	0	1	0	0
## 34.3	0	0	0	0	1	0	0
## 35.2	0	0	0	0	1	0	0
## 36.1	0	0	0	0	1	0	0
## 37	0	0	0	0	1	0	0
## 17.19	0	0	0	0	1	0	0
## 18.18	0	0	0	0	1	0	0
## 21.17	0	0	0	0	1	0	0
## 22.16	0	0	0	0	1	0	0
## 23.15	0	0	0	0	1	0	0
## 24.14	0	0	0	0	1	0	0
## 25.13	0	0	0	0	1	0	0
## 26.12	0	0	0	0	1	0	0
## 27.11	0	0	0	0	1	0	0
## 28.10	0	0	0	0	1	0	0
## 29.9	0	0	0	0	1	0	0
## 30.8	0	0	0	0	1	0	0
## 31.7	0	0	0	0	1	0	0
## 32.6	0	0	0	0	1	0	0
## 33.5	0	0	0	0	1	0	0
## 34.4	0	0	0	0	1	0	0
## 35.3	0	0	0	0	1	0	0
## 36.2	0	0	0	0	1	0	0
## 37.1	0	0	0	0	1	0	0
## 38	0	0	0	0	1	0	0
## 17.20	0	0	0	0	1	0	0
## 18.19	0	0	0	0	1	0	0
## 21.18	0	0	0	0	1	0	0
## 22.17	0	0	0	0	1	0	0
## 23.16	0	0	0	0	1	0	0
## 24.15	0	0	0	0	1	0	0
## 25.14	0	0	0	0	1	0	0
## 26.13	0	0	0	0	1	0	0
## 27.12	0	0	0	0	1	0	0
## 28.11	0	0	0	0	1	0	0
## 29.10	0	0	0	0	1	0	0
## 30.9	0	0	0	0	1	0	0
## 31.8	0	0	0	0	1	0	0
## 32.7	0	0	0	0	1	0	0
## 33.6	0	0	0	0	1	0	0
## 34.5	0	0	0	0	1	0	0
## 35.4	0	0	0	0	1	0	0

## 36.3	0	0	0	0	1	0	0
## 37.2	0	0	0	0	1	0	0
## 38.1	0	0	0	0	1	0	0
## 39	0	0	0	0	1	0	0
## 17.21	0	0	0	0	1	0	0
## 18.20	0	0	0	0	1	0	0
## 21.19	0	0	0	0	1	0	0
## 22.18	0	0	0	0	1	0	0
## 23.17	0	0	0	0	1	0	0
## 24.16	0	0	0	0	1	0	0
## 25.15	0	0	0	0	1	0	0
## 26.14	0	0	0	0	1	0	0
## 27.13	0	0	0	0	1	0	0
## 28.12	0	0	0	0	1	0	0
## 29.11	0	0	0	0	1	0	0
## 30.10	0	0	0	0	1	0	0
## 31.9	0	0	0	0	1	0	0
## 32.8	0	0	0	0	1	0	0
## 33.7	0	0	0	0	1	0	0
## 34.6	0	0	0	0	1	0	0
## 35.5	0	0	0	0	1	0	0
## 36.4	0	0	0	0	1	0	0
## 37.3	0	0	0	0	1	0	0
## 38.2	0	0	0	0	1	0	0
## 39.1	0	0	0	0	1	0	0
## 41	0	0	0	0	1	0	0
## 10	0	0	0	0	1	0	1
## 50	0	0	0	0	1	0	0
## 51	0	0	0	0	1	0	0
## 58	0	0	0	0	1	0	1
## 44	0	0	0	0	1	0	0
## 49	0	0	0	0	1	0	0
## 9	0	0	0	0	1	0	0
## 58.1	0	0	0	0	1	0	1
## 59	0	0	0	0	1	0	1
## 74	0	0	0	0	1	0	0
## 76	0	0	0	0	1	0	0
## 88	0	0	0	0	1	0	0
## 83	0	0	0	0	1	0	0
## 89	0	0	0	0	1	0	0
## 79	0	0	0	0	1	0	0
## 76.1	0	0	0	0	1	0	0
## 77	0	0	0	0	1	0	0
## 73	0	0	0	0	1	0	0
## 72	0	0	0	0	1	0	0
## 71	0	0	0	0	1	0	0
## 96	0	0	0	0	1	0	0
## 74.1	0	0	0	0	1	0	0
## 75	0	0	0	0	1	0	0
## 104	0	0	0	0	1	0	0
## 119	0	0	0	0	1	0	0
## 129	0	1	0	0	0	0	1
## 128	0	0	0	0	0	0	1
## 122	0	0	0	0	0	0	1

## 142	0	0	0	1	0	0	0
## 150	0	0	0	0	1	0	0
## 121	0	0	0	0	1	0	0
## 167	0	0	0	0	1	0	0
## 121.1	0	0	0	0	1	0	0
## 154	0	0	0	0	1	0	0
## 142.1	0	0	0	1	0	0	0
## 146	0	0	0	1	0	0	0
## 119.1	0	0	0	0	1	0	0
## 120	0	0	0	0	1	0	0
## 177	0	0	0	0	1	0	0
## 174	0	0	0	0	1	0	0
## 175	0	0	0	0	1	0	0
## 176	0	0	0	0	1	0	0
## 135	0	0	0	1	0	0	1
## 169	0	0	0	0	1	1	0
## 196	0	0	0	1	0	0	0
## 196.1	0	0	0	1	0	0	0
## 197	0	0	0	1	0	0	0
## 196.2	0	0	0	1	0	0	0
## 197.1	0	0	0	1	0	0	0
## 198	0	0	0	1	0	0	0
## 196.3	0	0	0	1	0	0	0
## 197.2	0	0	0	1	0	0	0
## 198.1	0	0	0	1	0	0	0
## 199	0	0	0	1	0	0	0
## 196.4	0	0	0	1	0	0	0
## 197.3	0	0	0	1	0	0	0
## 198.2	0	0	0	1	0	0	0
## 199.1	0	0	0	1	0	0	0
## 200	0	0	0	1	0	0	0
## 195	0	0	0	0	1	0	0
## 206	1	0	0	0	0	0	1
## 208	1	0	0	0	0	0	1
## 213	1	0	0	0	0	0	0
## 213.1	1	0	0	0	0	0	0
## 214	1	0	0	0	0	0	0
## 213.2	1	0	0	0	0	0	0
## 214.1	1	0	0	0	0	0	0
## 215	1	0	0	0	0	0	0
## 217	1	0	0	0	0	0	1
## 217.1	1	0	0	0	0	0	1
## 218	1	0	0	0	0	0	1
## 231	1	0	0	0	0	0	0
## 242	0	1	0	0	0	0	1
## 250	1	0	0	0	0	0	1
## 223	0	1	0	0	0	0	1
## 238	0	0	0	0	1	1	0
## 246	0	0	0	0	0	0	0
## 246.1	0	0	0	0	0	0	0
## 260	0	0	0	0	0	0	0
## 282	1	0	0	0	0	0	1
## 284	0	0	0	0	1	0	0
## 196.5	0	0	0	1	0	0	0

## 197.4	0	0	0	1	0	0	0
## 198.3	0	0	0	1	0	0	0
## 199.2	0	0	0	1	0	0	0
## 200.1	0	0	0	1	0	0	0
## 201	0	0	0	1	0	0	0
## 195.1	0	0	0	0	1	0	0
## 202	0	0	0	0	1	0	0
## 238.1	0	0	0	0	1	1	0
## 254	0	0	0	0	1	1	0
## 296	0	0	0	0	1	0	0
## 237	0	0	0	0	1	0	0
## 296.1	0	0	0	0	1	0	0
## 297	0	0	0	0	1	0	0
## 275	0	1	0	0	0	0	1
## 296.2	0	0	0	0	1	0	0
## 297.1	0	0	0	0	1	0	0
## 299	0	0	0	0	1	0	0
## 237.1	0	0	0	0	1	0	0
## 298	0	0	0	0	1	0	0
## 292	0	0	0	0	1	0	0
## 195.2	0	0	0	0	1	0	0
## 202.1	0	0	0	0	1	0	0
## 293	0	0	0	0	1	0	0
## 317	0	0	0	0	1	0	0
## 316	0	0	0	0	1	0	0
## 322	0	0	1	0	0	0	0
## 324	0	0	1	0	0	0	1
## 329	0	0	0	0	0	0	0
## 337	0	0	0	0	0	0	1
## 355	0	0	0	0	0	0	0
## 322.1	0	0	1	0	0	0	0
## 323	0	0	1	0	0	0	0
## 320	0	0	0	1	0	0	0
## 317.1	0	0	0	0	1	0	0
## 318	0	0	0	0	1	0	0
## 319	0	0	0	0	1	0	0
## 317.2	0	0	0	0	1	0	0
## 318.1	0	0	0	0	1	0	0
## 375	0	0	0	0	1	0	0
## 393	0	0	1	0	0	0	0
## 316.1	0	0	0	0	1	0	0
## 321	0	0	0	0	1	0	0
## 381	0	0	0	1	0	0	0
## 399	0	0	0	0	1	0	0
## 399.1	0	0	0	0	1	0	0
## 400	0	0	0	0	1	0	0
## 402	0	0	0	0	0	0	0
## 408	0	0	1	0	0	0	0
## 408.1	0	0	1	0	0	0	0
## 409	0	0	1	0	0	0	0
## 417	0	0	1	0	0	0	0
## 411	0	0	0	0	0	0	0
## 408.2	0	0	1	0	0	0	0
## 409.1	0	0	1	0	0	0	0

## 410	0	0	1	0	0	0	0
## 431	0	0	0	0	0	0	0
## 435	0	0	0	0	0	0	0
## 433	0	0	0	0	0	0	0
## 427	0	0	0	0	0	0	0
## 447	0	0	1	0	0	0	1
## 449	0	0	1	0	0	0	0
## 465	0	0	0	0	0	0	0
## 470	0	0	0	0	0	0	0
## 460	0	0	0	0	0	0	0
## 479	0	0	1	0	0	0	0
## 402.1	0	0	0	0	0	0	0
## 403	0	0	0	0	0	0	0
## 502	0	0	0	0	0	0	0
## 502.1	0	0	0	0	0	0	0
## 503	0	0	0	0	0	0	0
## 497	0	0	0	0	1	0	0
## 514	0	0	0	0	0	0	0
## 507	0	0	0	0	1	0	0
## 399.2	0	0	0	0	1	0	0
## 400.1	0	0	0	0	1	0	0
## 401	0	0	0	0	1	0	0
## 497.1	0	0	0	0	1	0	0
## 508	0	0	0	0	1	0	0
## 495	0	0	0	0	1	0	0
## 572	0	0	0	1	0	0	1
## 574	0	0	0	1	0	0	0
## 574.1	0	0	0	1	0	0	0
## 575	0	0	0	1	0	0	0
## 579	0	0	0	1	0	0	0
## 579.1	0	0	0	1	0	0	0
## 582	0	0	0	1	0	0	0
## 586	0	0	0	1	0	0	0
## 572.1	0	0	0	1	0	0	1
## 573	0	0	0	1	0	0	1
## 599	0	0	0	0	1	0	0
## 612	0	0	0	0	0	0	0
## 617	0	0	0	1	0	0	1
## 616	0	0	0	0	0	0	0
## 641	0	0	0	0	0	0	0
## 662	0	0	0	0	0	0	1
## 668	0	0	0	1	0	0	1
## 678	0	0	0	1	0	0	1
## 677	0	0	0	0	1	0	1
## 647	0	0	0	0	1	0	0
## 700	0	0	0	0	1	0	0
## 704	0	0	0	1	0	0	0
## 709	0	0	0	0	1	0	0
## 732	0	0	0	0	1	0	0
## 806	0	0	0	1	0	0	1
## 700.1	0	0	0	0	1	0	0
## 701	0	0	0	0	1	0	0
## 851	1	0	0	0	0	0	1
## 859	0	0	0	0	1	0	0



## 887	0	0	0	1	0	0	0
## 894	0	0	0	1	0	0	0
## 896	0	0	0	1	0	0	0
## 899	0	0	0	0	1	0	0
## 901	0	0	0	0	1	0	1
## 910	0	0	0	1	0	0	1
## 894.1	0	0	0	1	0	0	0
## 900	0	0	0	1	0	0	0
## 917	0	0	0	0	1	0	1
## 926	0	0	0	0	1	0	0
## 892	0	0	0	1	0	0	1
## 945	0	0	0	1	0	0	1
## 937	0	0	0	1	0	0	1
## 908	0	0	0	1	0	0	0
## 958	0	0	0	0	1	0	1
## 971	0	0	0	0	1	0	0
## 985	0	0	1	0	0	0	1
## 1019	0	0	0	0	0	0	0
## 1039	0	0	1	0	0	0	0
## 1017	0	0	0	0	0	0	0
## 1097	0	0	0	1	0	0	1
## 1135	0	0	0	1	0	0	1
## 1135.1	0	0	0	1	0	0	1
## 1136	0	0	0	1	0	0	1
## 1139	0	0	1	0	0	0	1
## 1139.1	0	0	1	0	0	0	1
## 1140	0	0	1	0	0	0	1
## 1145	0	0	0	1	0	0	1
## 1143	0	0	0	1	0	0	0
## 1145.1	0	0	0	1	0	0	1
## 1146	0	0	0	1	0	0	1
## 1138	0	0	0	1	0	0	1
## 1167	0	0	1	0	0	0	1
## 1173	0	0	1	0	0	0	1
## 1175	0	0	0	1	0	0	1
## 1178	0	0	0	1	0	0	1
## 1217	0	0	0	0	1	0	0
## 1211	0	0	0	0	1	0	0
## 1131	0	0	0	0	0	0	0
## 1250	0	0	0	0	1	0	0
## 1253	0	0	0	0	1	0	0
## 1268	0	0	0	0	0	0	0
## 1248	0	0	0	0	1	1	0
## 1249	0	0	0	0	1	0	0
## 1216	0	0	0	0	1	0	0
## 1216.1	0	0	0	0	1	0	0
## 1280	0	0	0	0	1	0	0
## 1266	0	0	0	0	0	0	0
## 1293	0	0	0	1	0	0	1
## 1295	0	0	1	0	0	0	1
## 1295.1	0	0	1	0	0	0	1
## 1296	0	0	1	0	0	0	1
## 1305	0	0	0	1	0	0	1
## 1308	0	0	0	0	0	0	1

## 1308.1	0	0	0	0	0	0	1
## 1309	0	0	0	0	0	0	1
## 1311	0	0	0	0	0	0	1
## 1315	0	0	1	0	0	0	0
## 1315.1	0	0	1	0	0	0	0
## 1316	0	0	1	0	0	0	0
## 1318	0	0	0	1	0	0	1
## 1320	0	0	0	1	0	0	1
## 1315.2	0	0	1	0	0	0	0
## 1316.1	0	0	1	0	0	0	0
## 1317	0	0	1	0	0	0	0
## 1327	0	0	1	0	0	0	1
## 1341	0	0	0	1	0	0	1
## 1345	0	0	0	1	0	0	1
## 1350	0	0	0	1	0	0	1
## 1408	0	0	0	0	0	0	0
## 1438	0	0	0	0	1	0	0
## 1443	0	0	0	0	1	0	0
## 1443.1	0	0	0	0	1	0	0
## 1444	0	0	0	0	1	0	0
## 1290	0	0	0	1	0	0	0
## 1465	0	0	0	1	0	0	0
## 1474	0	0	0	0	0	0	0
## 1474.1	0	0	0	0	0	0	0
## 1475	0	0	0	0	0	0	0
## 1485	1	0	0	0	0	0	0
## 1503	0	0	0	0	1	0	1
## 1506	0	0	0	0	1	0	0
## 1509	0	0	0	0	0	0	0
## 1533	0	0	0	1	0	0	1
## 1533.1	0	0	0	1	0	0	1
## 1534	0	0	0	1	0	0	1
## 1533.2	0	0	0	1	0	0	1
## 1534.1	0	0	0	1	0	0	1
## 1537	0	0	0	1	0	0	1
## 1533.3	0	0	0	1	0	0	1
## 1534.2	0	0	0	1	0	0	1
## 1537.1	0	0	0	1	0	0	1
## 1539	0	0	0	1	0	0	1
## 1545	0	0	0	1	0	0	1
## 1545.1	0	0	0	1	0	0	1
## 1546	0	0	0	1	0	0	1
## 1548	0	0	0	1	0	0	1
## 1552	0	0	0	1	0	0	1
## 1552.1	0	0	0	1	0	0	1
## 1557	0	0	0	1	0	0	1
## 1571	0	0	0	1	0	0	1
## 1580	0	0	0	0	0	0	1
## 1570	0	0	0	1	0	0	1
## 1584	0	0	0	0	0	0	1
## 1584.1	0	0	0	0	0	0	1
## 1606	0	0	0	0	0	0	1
## 1609	0	0	0	1	0	0	1
## 1612	0	0	1	0	0	0	1

## 1624	0	0	1	0	0	0	1
## 1629	0	0	0	0	0	0	1
## 1631	0	0	1	0	0	0	0
## 1642	0	0	0	0	1	0	0
## 1663	0	0	0	0	1	0	0
## 1702	0	0	0	0	0	0	0
## 1700	0	0	0	0	0	0	0
## 1719	0	0	0	0	1	0	1
## 1719.1	0	0	0	0	1	0	1
## 1720	0	0	0	0	1	0	1
## 1731	0	0	1	0	0	0	0
## 1742	0	0	0	1	0	0	0
## 1698	0	0	0	0	1	1	0
## 1749	0	0	0	0	1	0	0
## 1741	0	0	0	0	1	0	0
## 1768	0	0	0	0	0	0	0
## 1807	0	0	0	0	1	0	0
## 1771	0	0	0	0	1	0	0
## 1814	0	0	1	0	0	0	1
## 1830	0	0	0	0	0	0	1
## 1848	0	0	0	1	0	0	1
## 1853	0	0	1	0	0	0	1
## 1863	0	0	0	0	0	0	0
## 1862	0	0	0	0	0	0	1
## 1862.1	0	0	0	0	0	0	1
## 1867	0	0	0	0	0	0	1
## 1865	0	0	1	0	0	0	0
## 1862.2	0	0	0	0	0	0	1
## 1867.1	0	0	0	0	0	0	1
## 1868	0	0	0	0	0	0	1
## 1862.3	0	0	0	0	0	0	1
## 1867.2	0	0	0	0	0	0	1
## 1868.1	0	0	0	0	0	0	1
## 1872	0	0	0	0	0	0	1
## 1879	0	0	0	1	0	0	0
## 1911	0	0	0	0	1	0	0
## 1952	0	0	0	0	1	0	0
## 1954	0	0	0	0	1	0	0
## 1973	0	1	0	0	0	0	0
## 1989	0	0	1	0	0	0	0
## 1994	0	0	0	0	0	0	0
## 1996	0	0	0	0	0	0	0
## 1998	0	0	0	0	0	0	0
## 1998.1	0	0	0	0	0	0	0
## 1999	0	0	0	0	0	0	0
## 2001	0	0	0	0	0	0	0
## 2021	1	0	0	0	0	0	0
## 2015	1	0	0	0	0	0	0
## 2029	0	0	0	1	0	0	1
## 2034	0	0	0	1	0	0	1
## 2039	0	0	0	0	0	0	1
## 2045	0	0	0	0	0	0	1
## 2064	0	0	1	0	0	0	1
## 2062	0	0	1	0	0	0	0

## 2069	0	0	1	0	0	0	1
## 2064.1	0	0	1	0	0	0	1
## 2070	0	0	1	0	0	0	1
## 2101	0	0	0	0	1	0	0
## 2110	0	0	0	0	1	0	0
## 2113	0	0	0	0	1	0	0
## 2131	0	0	0	0	1	0	0
## 2131.1	0	0	0	0	1	0	0
## 2132	0	0	0	0	1	0	0
## 2135	0	0	0	1	0	0	0
## 2145	0	0	0	0	1	0	0
## 2153	0	0	0	0	1	1	0
## 2162	1	0	0	0	0	0	0
## 2162.1	1	0	0	0	0	0	0
## 2163	1	0	0	0	0	0	0
## 2168	0	0	0	0	0	0	0
## 2168.1	0	0	0	0	0	0	0
## 2169	0	0	0	0	0	0	0
## 2179	1	0	0	0	0	0	0
## 2178	0	0	0	0	0	0	0
## 2182	1	0	0	0	0	0	0
## 2162.2	1	0	0	0	0	0	0
## 2163.1	1	0	0	0	0	0	0
## 2164	1	0	0	0	0	0	0
## 2187	0	0	0	0	0	0	0
## 2162.3	1	0	0	0	0	0	0
## 2163.2	1	0	0	0	0	0	0
## 2164.1	1	0	0	0	0	0	0
## 2184	1	0	0	0	0	0	0
## 2174	0	0	0	0	0	0	0
## 2179.1	1	0	0	0	0	0	0
## 2180	1	0	0	0	0	0	0
## 2212	0	0	0	0	0	0	0
## 2229	1	0	0	0	0	0	0
## 2229.1	1	0	0	0	0	0	0
## 2230	1	0	0	0	0	0	0
## 2237	1	0	0	0	0	0	0
## 2247	0	0	0	1	0	0	1
## 2252	0	0	0	1	0	0	0
## 2275	0	0	1	0	0	0	1
## 2282	0	0	0	1	0	0	1
## 2273	0	0	0	1	0	0	1
## 2273.1	0	0	0	1	0	0	1
## 2285	0	0	0	1	0	0	1
## 2287	0	0	0	1	0	0	1
## 2292	0	0	0	1	0	0	1
## 2297	0	0	0	1	0	0	1
## 2300	0	0	0	1	0	0	0
## 2302	0	0	0	1	0	0	1
## 2308	0	0	0	1	0	0	1
## 2308.1	0	0	0	1	0	0	1
## 2309	0	0	0	1	0	0	1
## 2323	0	0	0	0	1	0	0
## 2339	0	0	0	0	1	0	0

## 2357	0	0	0	0	1	0	0
## 2360	0	0	0	1	0	0	0
## 2349	0	0	0	1	0	0	0
## 2367	0	0	0	0	1	0	1
## 2366	0	0	0	0	1	0	0
## 2380	0	0	0	0	1	0	0
## 2418	0	0	0	0	1	1	0
## 2433	0	0	0	0	1	1	0
## 2442	0	0	0	0	1	0	0
## 2450	0	0	0	0	1	0	0
## 2463	1	0	0	0	0	0	0
## 2480	0	0	0	0	0	0	0
## 2493	1	0	0	0	0	0	0
## 2504	0	0	0	0	0	0	0
## 2508	0	0	0	0	0	0	0
## 2512	0	0	0	0	0	0	0
## 2525	0	0	0	1	0	0	1
## 2533	0	0	0	1	0	0	0
## 2541	0	0	0	1	0	0	0
## 2548	0	0	0	1	0	0	0
## 2556	0	0	0	1	0	0	0
## 2568	0	0	0	1	0	0	0
## 2574	0	0	0	0	1	0	0
## 2573	0	0	0	0	1	0	0
## 2574.1	0	0	0	0	1	0	0
## 2575	0	0	0	0	1	0	0
## 2585	0	0	0	0	1	0	0
## 2574.2	0	0	0	0	1	0	0
## 2575.1	0	0	0	0	1	0	0
## 2579	0	0	0	0	1	0	0
## 2574.3	0	0	0	0	1	0	0
## 2575.2	0	0	0	0	1	0	0
## 2579.1	0	0	0	0	1	0	0
## 2591	0	0	0	0	1	0	0
## 2574.4	0	0	0	0	1	0	0
##	Suelosvs3	Suelosvs4	Suelosvs5	Suelosvs6	Suelosvs7	Suelosvs8	
## 3	0	0	0	1	0	0	
## 3.1	0	0	0	1	0	0	
## 4	0	0	0	1	0	0	
## 2	0	0	0	0	0	0	
## 11	0	1	0	0	0	0	
## 11.1	0	1	0	0	0	0	
## 12	0	1	0	0	0	0	
## 11.2	0	1	0	0	0	0	
## 12.1	0	1	0	0	0	0	
## 13	0	1	0	0	0	0	
## 11.3	0	1	0	0	0	0	
## 12.2	0	1	0	0	0	0	
## 13.1	0	1	0	0	0	0	
## 14	0	1	0	0	0	0	
## 11.4	0	1	0	0	0	0	
## 12.3	0	1	0	0	0	0	
## 13.2	0	1	0	0	0	0	
## 14.1	0	1	0	0	0	0	

## 15	0	1	0	0	0	0
## 17	0	0	0	0	1	0
## 11.5	0	1	0	0	0	0
## 12.4	0	1	0	0	0	0
## 13.3	0	1	0	0	0	0
## 14.2	0	1	0	0	0	0
## 15.1	0	1	0	0	0	0
## 16	0	1	0	0	0	0
## 17.1	0	0	0	0	1	0
## 18	0	0	0	0	1	0
## 17.2	0	0	0	0	1	0
## 18.1	0	0	0	0	1	0
## 21	0	0	0	0	1	0
## 17.3	0	0	0	0	1	0
## 18.2	0	0	0	0	1	0
## 21.1	0	0	0	0	1	0
## 22	0	0	0	0	1	0
## 17.4	0	0	0	0	1	0
## 18.3	0	0	0	0	1	0
## 21.2	0	0	0	0	1	0
## 22.1	0	0	0	0	1	0
## 23	0	0	0	0	1	0
## 17.5	0	0	0	0	1	0
## 18.4	0	0	0	0	1	0
## 21.3	0	0	0	0	1	0
## 22.2	0	0	0	0	1	0
## 23.1	0	0	0	0	1	0
## 24	0	0	0	0	1	0
## 17.6	0	0	0	0	1	0
## 18.5	0	0	0	0	1	0
## 21.4	0	0	0	0	1	0
## 22.3	0	0	0	0	1	0
## 23.2	0	0	0	0	1	0
## 24.1	0	0	0	0	1	0
## 25	0	0	0	0	1	0
## 17.7	0	0	0	0	1	0
## 18.6	0	0	0	0	1	0
## 21.5	0	0	0	0	1	0
## 22.4	0	0	0	0	1	0
## 23.3	0	0	0	0	1	0
## 24.2	0	0	0	0	1	0
## 25.1	0	0	0	0	1	0
## 26	0	0	0	0	1	0
## 17.8	0	0	0	0	1	0
## 18.7	0	0	0	0	1	0
## 21.6	0	0	0	0	1	0
## 22.5	0	0	0	0	1	0
## 23.4	0	0	0	0	1	0
## 24.3	0	0	0	0	1	0
## 25.2	0	0	0	0	1	0
## 26.1	0	0	0	0	1	0
## 27	0	0	0	0	1	0
## 17.9	0	0	0	0	1	0
## 18.8	0	0	0	0	1	0

## 21.7	0	0	0	0	1	0
## 22.6	0	0	0	0	1	0
## 23.5	0	0	0	0	1	0
## 24.4	0	0	0	0	1	0
## 25.3	0	0	0	0	1	0
## 26.2	0	0	0	0	1	0
## 27.1	0	0	0	0	1	0
## 28	0	0	0	0	1	0
## 17.10	0	0	0	0	1	0
## 18.9	0	0	0	0	1	0
## 21.8	0	0	0	0	1	0
## 22.7	0	0	0	0	1	0
## 23.6	0	0	0	0	1	0
## 24.5	0	0	0	0	1	0
## 25.4	0	0	0	0	1	0
## 26.3	0	0	0	0	1	0
## 27.2	0	0	0	0	1	0
## 28.1	0	0	0	0	1	0
## 29	0	0	0	0	1	0
## 17.11	0	0	0	0	1	0
## 18.10	0	0	0	0	1	0
## 21.9	0	0	0	0	1	0
## 22.8	0	0	0	0	1	0
## 23.7	0	0	0	0	1	0
## 24.6	0	0	0	0	1	0
## 25.5	0	0	0	0	1	0
## 26.4	0	0	0	0	1	0
## 27.3	0	0	0	0	1	0
## 28.2	0	0	0	0	1	0
## 29.1	0	0	0	0	1	0
## 30	0	0	0	0	1	0
## 17.12	0	0	0	0	1	0
## 18.11	0	0	0	0	1	0
## 21.10	0	0	0	0	1	0
## 22.9	0	0	0	0	1	0
## 23.8	0	0	0	0	1	0
## 24.7	0	0	0	0	1	0
## 25.6	0	0	0	0	1	0
## 26.5	0	0	0	0	1	0
## 27.4	0	0	0	0	1	0
## 28.3	0	0	0	0	1	0
## 29.2	0	0	0	0	1	0
## 30.1	0	0	0	0	1	0
## 31	0	0	0	0	1	0
## 17.13	0	0	0	0	1	0
## 18.12	0	0	0	0	1	0
## 21.11	0	0	0	0	1	0
## 22.10	0	0	0	0	1	0
## 23.9	0	0	0	0	1	0
## 24.8	0	0	0	0	1	0
## 25.7	0	0	0	0	1	0
## 26.6	0	0	0	0	1	0
## 27.5	0	0	0	0	1	0
## 28.4	0	0	0	0	1	0

## 29.3	0	0	0	0	1	0
## 30.2	0	0	0	0	1	0
## 31.1	0	0	0	0	1	0
## 32	0	0	0	0	1	0
## 17.14	0	0	0	0	1	0
## 18.13	0	0	0	0	1	0
## 21.12	0	0	0	0	1	0
## 22.11	0	0	0	0	1	0
## 23.10	0	0	0	0	1	0
## 24.9	0	0	0	0	1	0
## 25.8	0	0	0	0	1	0
## 26.7	0	0	0	0	1	0
## 27.6	0	0	0	0	1	0
## 28.5	0	0	0	0	1	0
## 29.4	0	0	0	0	1	0
## 30.3	0	0	0	0	1	0
## 31.2	0	0	0	0	1	0
## 32.1	0	0	0	0	1	0
## 33	0	0	0	0	1	0
## 17.15	0	0	0	0	1	0
## 18.14	0	0	0	0	1	0
## 21.13	0	0	0	0	1	0
## 22.12	0	0	0	0	1	0
## 23.11	0	0	0	0	1	0
## 24.10	0	0	0	0	1	0
## 25.9	0	0	0	0	1	0
## 26.8	0	0	0	0	1	0
## 27.7	0	0	0	0	1	0
## 28.6	0	0	0	0	1	0
## 29.5	0	0	0	0	1	0
## 30.4	0	0	0	0	1	0
## 31.3	0	0	0	0	1	0
## 32.2	0	0	0	0	1	0
## 33.1	0	0	0	0	1	0
## 34	0	0	0	0	1	0
## 17.16	0	0	0	0	1	0
## 18.15	0	0	0	0	1	0
## 21.14	0	0	0	0	1	0
## 22.13	0	0	0	0	1	0
## 23.12	0	0	0	0	1	0
## 24.11	0	0	0	0	1	0
## 25.10	0	0	0	0	1	0
## 26.9	0	0	0	0	1	0
## 27.8	0	0	0	0	1	0
## 28.7	0	0	0	0	1	0
## 29.6	0	0	0	0	1	0
## 30.5	0	0	0	0	1	0
## 31.4	0	0	0	0	1	0
## 32.3	0	0	0	0	1	0
## 33.2	0	0	0	0	1	0
## 34.1	0	0	0	0	1	0
## 35	0	0	0	0	1	0
## 17.17	0	0	0	0	1	0
## 18.16	0	0	0	0	1	0



## 21.15	0	0	0	0	1	0
## 22.14	0	0	0	0	1	0
## 23.13	0	0	0	0	1	0
## 24.12	0	0	0	0	1	0
## 25.11	0	0	0	0	1	0
## 26.10	0	0	0	0	1	0
## 27.9	0	0	0	0	1	0
## 28.8	0	0	0	0	1	0
## 29.7	0	0	0	0	1	0
## 30.6	0	0	0	0	1	0
## 31.5	0	0	0	0	1	0
## 32.4	0	0	0	0	1	0
## 33.3	0	0	0	0	1	0
## 34.2	0	0	0	0	1	0
## 35.1	0	0	0	0	1	0
## 36	0	0	0	0	1	0
## 17.18	0	0	0	0	1	0
## 18.17	0	0	0	0	1	0
## 21.16	0	0	0	0	1	0
## 22.15	0	0	0	0	1	0
## 23.14	0	0	0	0	1	0
## 24.13	0	0	0	0	1	0
## 25.12	0	0	0	0	1	0
## 26.11	0	0	0	0	1	0
## 27.10	0	0	0	0	1	0
## 28.9	0	0	0	0	1	0
## 29.8	0	0	0	0	1	0
## 30.7	0	0	0	0	1	0
## 31.6	0	0	0	0	1	0
## 32.5	0	0	0	0	1	0
## 33.4	0	0	0	0	1	0
## 34.3	0	0	0	0	1	0
## 35.2	0	0	0	0	1	0
## 36.1	0	0	0	0	1	0
## 37	0	0	0	0	1	0
## 17.19	0	0	0	0	1	0
## 18.18	0	0	0	0	1	0
## 21.17	0	0	0	0	1	0
## 22.16	0	0	0	0	1	0
## 23.15	0	0	0	0	1	0
## 24.14	0	0	0	0	1	0
## 25.13	0	0	0	0	1	0
## 26.12	0	0	0	0	1	0
## 27.11	0	0	0	0	1	0
## 28.10	0	0	0	0	1	0
## 29.9	0	0	0	0	1	0
## 30.8	0	0	0	0	1	0
## 31.7	0	0	0	0	1	0
## 32.6	0	0	0	0	1	0
## 33.5	0	0	0	0	1	0
## 34.4	0	0	0	0	1	0
## 35.3	0	0	0	0	1	0
## 36.2	0	0	0	0	1	0
## 37.1	0	0	0	0	1	0

## 38	0	0	0	0	1	0
## 17.20	0	0	0	0	1	0
## 18.19	0	0	0	0	1	0
## 21.18	0	0	0	0	1	0
## 22.17	0	0	0	0	1	0
## 23.16	0	0	0	0	1	0
## 24.15	0	0	0	0	1	0
## 25.14	0	0	0	0	1	0
## 26.13	0	0	0	0	1	0
## 27.12	0	0	0	0	1	0
## 28.11	0	0	0	0	1	0
## 29.10	0	0	0	0	1	0
## 30.9	0	0	0	0	1	0
## 31.8	0	0	0	0	1	0
## 32.7	0	0	0	0	1	0
## 33.6	0	0	0	0	1	0
## 34.5	0	0	0	0	1	0
## 35.4	0	0	0	0	1	0
## 36.3	0	0	0	0	1	0
## 37.2	0	0	0	0	1	0
## 38.1	0	0	0	0	1	0
## 39	0	0	0	0	1	0
## 17.21	0	0	0	0	1	0
## 18.20	0	0	0	0	1	0
## 21.19	0	0	0	0	1	0
## 22.18	0	0	0	0	1	0
## 23.17	0	0	0	0	1	0
## 24.16	0	0	0	0	1	0
## 25.15	0	0	0	0	1	0
## 26.14	0	0	0	0	1	0
## 27.13	0	0	0	0	1	0
## 28.12	0	0	0	0	1	0
## 29.11	0	0	0	0	1	0
## 30.10	0	0	0	0	1	0
## 31.9	0	0	0	0	1	0
## 32.8	0	0	0	0	1	0
## 33.7	0	0	0	0	1	0
## 34.6	0	0	0	0	1	0
## 35.5	0	0	0	0	1	0
## 36.4	0	0	0	0	1	0
## 37.3	0	0	0	0	1	0
## 38.2	0	0	0	0	1	0
## 39.1	0	0	0	0	1	0
## 41	0	0	0	0	1	0
## 10	0	0	0	0	0	0
## 50	0	0	0	1	0	0
## 51	0	0	0	1	0	0
## 58	0	0	0	0	0	0
## 44	0	0	0	1	0	0
## 49	0	1	0	0	0	0
## 9	0	0	0	1	0	0
## 58.1	0	0	0	0	0	0
## 59	0	0	0	0	0	0
## 74	0	0	0	1	0	0

## 76	0	0	0	1	0	0
## 88	0	0	0	1	0	0
## 83	0	0	0	1	0	0
## 89	0	0	0	1	0	0
## 79	0	0	0	1	0	0
## 76.1	0	0	0	1	0	0
## 77	0	0	0	1	0	0
## 73	0	0	0	1	0	0
## 72	0	0	0	1	0	0
## 71	0	0	0	1	0	0
## 96	0	0	0	0	0	1
## 74.1	0	0	0	1	0	0
## 75	0	0	0	1	0	0
## 104	0	0	0	0	1	0
## 119	0	0	0	0	1	0
## 129	0	0	0	0	0	0
## 128	0	0	0	0	0	0
## 122	0	0	0	0	0	0
## 142	0	0	0	1	0	0
## 150	0	0	0	1	0	0
## 121	0	1	0	0	0	0
## 167	0	1	0	0	0	0
## 121.1	0	1	0	0	0	0
## 154	0	1	0	0	0	0
## 142.1	0	0	0	1	0	0
## 146	0	0	0	1	0	0
## 119.1	0	0	0	0	1	0
## 120	0	0	0	0	1	0
## 177	0	1	0	0	0	0
## 174	0	0	0	0	1	0
## 175	0	0	0	1	0	0
## 176	0	0	0	1	0	0
## 135	0	0	0	0	0	0
## 169	0	0	0	0	0	0
## 196	0	0	0	1	0	0
## 196.1	0	0	0	1	0	0
## 197	0	0	0	1	0	0
## 196.2	0	0	0	1	0	0
## 197.1	0	0	0	1	0	0
## 198	0	0	0	1	0	0
## 196.3	0	0	0	1	0	0
## 197.2	0	0	0	1	0	0
## 198.1	0	0	0	1	0	0
## 199	0	0	0	1	0	0
## 196.4	0	0	0	1	0	0
## 197.3	0	0	0	1	0	0
## 198.2	0	0	0	1	0	0
## 199.1	0	0	0	1	0	0
## 200	0	0	0	1	0	0
## 195	0	0	0	0	1	0
## 206	0	0	0	0	0	0
## 208	0	0	0	0	0	0
## 213	0	0	0	1	0	0
## 213.1	0	0	0	1	0	0

## 214	0	0	0	1	0	0
## 213.2	0	0	0	1	0	0
## 214.1	0	0	0	1	0	0
## 215	0	0	0	1	0	0
## 217	0	0	0	0	0	0
## 217.1	0	0	0	0	0	0
## 218	0	0	0	0	0	0
## 231	0	0	0	0	1	0
## 242	0	0	0	0	0	0
## 250	0	0	0	0	0	0
## 223	0	0	0	0	0	0
## 238	0	0	0	0	0	0
## 246	0	0	0	0	1	0
## 246.1	0	0	0	0	1	0
## 260	0	0	0	0	1	0
## 282	0	0	0	0	0	0
## 284	0	0	0	1	0	0
## 196.5	0	0	0	1	0	0
## 197.4	0	0	0	1	0	0
## 198.3	0	0	0	1	0	0
## 199.2	0	0	0	1	0	0
## 200.1	0	0	0	1	0	0
## 201	0	0	0	1	0	0
## 195.1	0	0	0	0	1	0
## 202	0	0	0	0	1	0
## 238.1	0	0	0	0	0	0
## 254	0	0	0	0	0	0
## 296	0	0	0	1	0	0
## 237	0	0	0	1	0	0
## 296.1	0	0	0	1	0	0
## 297	0	0	0	1	0	0
## 275	0	0	0	0	0	0
## 296.2	0	0	0	1	0	0
## 297.1	0	0	0	1	0	0
## 299	0	0	0	1	0	0
## 237.1	0	0	0	1	0	0
## 298	0	0	0	1	0	0
## 292	0	0	0	1	0	0
## 195.2	0	0	0	0	1	0
## 202.1	0	0	0	0	1	0
## 293	0	0	0	0	1	0
## 317	0	0	0	1	0	0
## 316	0	1	0	0	0	0
## 322	0	0	0	0	0	1
## 324	0	0	0	0	0	0
## 329	0	0	0	0	1	0
## 337	0	0	0	0	0	0
## 355	0	0	0	0	1	0
## 322.1	0	0	0	0	0	1
## 323	0	0	0	0	0	1
## 320	0	0	0	1	0	0
## 317.1	0	0	0	1	0	0
## 318	0	0	0	1	0	0
## 319	0	0	0	1	0	0

## 317.2	0	0	0	1	0	0
## 318.1	0	0	0	1	0	0
## 375	0	0	0	1	0	0
## 393	0	0	0	0	1	0
## 316.1	0	1	0	0	0	0
## 321	0	1	0	0	0	0
## 381	0	0	0	1	0	0
## 399	0	0	0	0	1	0
## 399.1	0	0	0	0	1	0
## 400	0	0	0	0	1	0
## 402	0	0	0	0	1	0
## 408	0	0	0	0	1	0
## 408.1	0	0	0	0	1	0
## 409	0	0	0	0	1	0
## 417	0	0	0	0	1	0
## 411	0	0	0	1	0	0
## 408.2	0	0	0	0	1	0
## 409.1	0	0	0	0	1	0
## 410	0	0	0	0	1	0
## 431	0	0	0	0	1	0
## 435	0	0	0	0	1	0
## 433	0	0	0	0	1	0
## 427	0	0	0	0	1	0
## 447	0	0	0	0	0	0
## 449	0	0	0	1	0	0
## 465	0	1	0	0	0	0
## 470	0	0	0	0	1	0
## 460	0	0	0	0	1	0
## 479	0	0	0	1	0	0
## 402.1	0	0	0	0	1	0
## 403	0	0	0	0	1	0
## 502	0	1	0	0	0	0
## 502.1	0	1	0	0	0	0
## 503	0	1	0	0	0	0
## 497	0	0	0	1	0	0
## 514	0	0	0	0	1	0
## 507	0	0	0	1	0	0
## 399.2	0	0	0	0	1	0
## 400.1	0	0	0	0	1	0
## 401	0	0	0	0	1	0
## 497.1	0	0	0	1	0	0
## 508	0	0	0	1	0	0
## 495	0	0	0	0	0	1
## 572	0	0	0	0	0	0
## 574	0	0	0	1	0	0
## 574.1	0	0	0	1	0	0
## 575	0	0	0	1	0	0
## 579	0	0	0	1	0	0
## 579.1	0	0	0	1	0	0
## 582	0	0	0	1	0	0
## 586	0	0	0	1	0	0
## 572.1	0	0	0	0	0	0
## 573	0	0	0	0	0	0
## 599	0	0	0	0	0	0

## 612	0	0	0	0	1	0
## 617	0	0	0	0	0	0
## 616	0	1	0	0	0	0
## 641	0	0	0	0	1	0
## 662	0	0	0	0	0	0
## 668	0	0	0	0	0	0
## 678	0	0	0	0	0	0
## 677	0	0	0	0	0	0
## 647	0	0	0	1	0	0
## 700	0	0	0	0	1	0
## 704	0	1	0	0	0	0
## 709	0	0	0	0	0	0
## 732	0	0	0	1	0	0
## 806	0	0	0	0	0	0
## 700.1	0	0	0	0	1	0
## 701	0	0	0	0	1	0
## 851	0	0	0	0	0	0
## 859	0	0	0	0	0	1
## 887	0	0	0	1	0	0
## 894	0	0	0	1	0	0
## 896	0	0	0	1	0	0
## 899	0	0	0	1	0	0
## 901	0	0	0	0	0	0
## 910	0	0	0	0	0	0
## 894.1	0	0	0	1	0	0
## 900	0	0	0	1	0	0
## 917	0	0	0	0	0	0
## 926	0	0	0	0	0	0
## 892	0	0	0	0	0	0
## 945	0	0	0	0	0	0
## 937	0	0	0	0	0	0
## 908	0	0	0	1	0	0
## 958	0	0	0	0	0	0
## 971	0	0	0	0	0	0
## 985	0	0	0	0	0	0
## 1019	0	0	0	1	0	0
## 1039	0	1	0	0	0	0
## 1017	0	0	0	1	0	0
## 1097	0	0	0	0	0	0
## 1135	0	0	0	0	0	0
## 1135.1	0	0	0	0	0	0
## 1136	0	0	0	0	0	0
## 1139	0	0	0	0	0	0
## 1139.1	0	0	0	0	0	0
## 1140	0	0	0	0	0	0
## 1145	0	0	0	0	0	0
## 1143	0	0	0	0	0	1
## 1145.1	0	0	0	0	0	0
## 1146	0	0	0	0	0	0
## 1138	0	0	0	0	0	0
## 1167	0	0	0	0	0	0
## 1173	0	0	0	0	0	0
## 1175	0	0	0	0	0	0
## 1178	0	0	0	0	0	0

## 1217	0	0	0	1	0	0
## 1211	0	0	0	0	1	0
## 1131	0	0	0	0	0	1
## 1250	0	0	0	1	0	0
## 1253	0	0	0	1	0	0
## 1268	0	1	0	0	0	0
## 1248	0	0	0	0	0	0
## 1249	0	0	0	1	0	0
## 1216	0	0	0	1	0	0
## 1216.1	0	0	0	1	0	0
## 1280	0	0	0	1	0	0
## 1266	0	0	0	0	1	0
## 1293	0	0	0	0	0	0
## 1295	0	0	0	0	0	0
## 1295.1	0	0	0	0	0	0
## 1296	0	0	0	0	0	0
## 1305	0	0	0	0	0	0
## 1308	0	0	0	0	0	0
## 1308.1	0	0	0	0	0	0
## 1309	0	0	0	0	0	0
## 1311	0	0	0	0	0	0
## 1315	0	0	0	1	0	0
## 1315.1	0	0	0	1	0	0
## 1316	0	0	0	1	0	0
## 1318	0	0	0	0	0	0
## 1320	0	0	0	0	0	0
## 1315.2	0	0	0	1	0	0
## 1316.1	0	0	0	1	0	0
## 1317	0	0	0	1	0	0
## 1327	0	0	0	0	0	0
## 1341	0	0	0	0	0	0
## 1345	0	0	0	0	0	0
## 1350	0	0	0	0	0	0
## 1408	0	0	0	0	1	0
## 1438	0	0	0	1	0	0
## 1443	0	0	0	1	0	0
## 1443.1	0	0	0	1	0	0
## 1444	0	0	0	1	0	0
## 1290	0	0	0	1	0	0
## 1465	0	0	0	0	1	0
## 1474	0	0	0	0	0	1
## 1474.1	0	0	0	0	0	1
## 1475	0	0	0	0	0	1
## 1485	0	0	0	0	1	0
## 1503	0	0	0	0	0	0
## 1506	0	0	0	1	0	0
## 1509	0	0	0	0	0	1
## 1533	0	0	0	0	0	0
## 1533.1	0	0	0	0	0	0
## 1534	0	0	0	0	0	0
## 1533.2	0	0	0	0	0	0
## 1534.1	0	0	0	0	0	0
## 1537	0	0	0	0	0	0
## 1533.3	0	0	0	0	0	0

## 1534.2	0	0	0	0	0	0
## 1537.1	0	0	0	0	0	0
## 1539	0	0	0	0	0	0
## 1545	0	0	0	0	0	0
## 1545.1	0	0	0	0	0	0
## 1546	0	0	0	0	0	0
## 1548	0	0	0	0	0	0
## 1552	0	0	0	0	0	0
## 1552.1	0	0	0	0	0	0
## 1557	0	0	0	0	0	0
## 1571	0	0	0	0	0	0
## 1580	0	0	0	0	0	0
## 1570	0	0	0	0	0	0
## 1584	0	0	0	0	0	0
## 1584.1	0	0	0	0	0	0
## 1606	0	0	0	0	0	0
## 1609	0	0	0	0	0	0
## 1612	0	0	0	0	0	0
## 1624	0	0	0	0	0	0
## 1629	0	0	0	0	0	0
## 1631	0	0	0	0	0	1
## 1642	0	0	0	0	0	1
## 1663	0	0	0	1	0	0
## 1702	0	0	0	0	1	0
## 1700	0	0	0	0	0	1
## 1719	0	0	0	0	0	0
## 1719.1	0	0	0	0	0	0
## 1720	0	0	0	0	0	0
## 1731	0	1	0	0	0	0
## 1742	0	0	0	0	1	0
## 1698	0	0	0	0	0	0
## 1749	0	0	0	1	0	0
## 1741	0	0	0	1	0	0
## 1768	0	0	0	0	0	1
## 1807	0	0	0	1	0	0
## 1771	0	0	0	0	1	0
## 1814	0	0	0	0	0	0
## 1830	0	0	0	0	0	0
## 1848	0	0	0	0	0	0
## 1853	0	0	0	0	0	0
## 1863	0	1	0	0	0	0
## 1862	0	0	0	0	0	0
## 1862.1	0	0	0	0	0	0
## 1867	0	0	0	0	0	0
## 1865	0	0	0	1	0	0
## 1862.2	0	0	0	0	0	0
## 1867.1	0	0	0	0	0	0
## 1868	0	0	0	0	0	0
## 1862.3	0	0	0	0	0	0
## 1867.2	0	0	0	0	0	0
## 1868.1	0	0	0	0	0	0
## 1872	0	0	0	0	0	0
## 1879	0	0	0	1	0	0
## 1911	0	0	0	1	0	0



## 1952	0	0	0	1	0	0
## 1954	0	0	0	0	1	0
## 1973	0	0	0	0	1	0
## 1989	0	0	0	1	0	0
## 1994	0	0	0	1	0	0
## 1996	0	0	0	1	0	0
## 1998	0	0	0	0	0	1
## 1998.1	0	0	0	0	0	1
## 1999	0	0	0	0	0	1
## 2001	0	0	0	1	0	0
## 2021	0	0	0	0	0	1
## 2015	0	0	0	1	0	0
## 2029	0	0	0	0	0	0
## 2034	0	0	0	0	0	0
## 2039	0	0	0	0	0	0
## 2045	0	0	0	0	0	0
## 2064	0	0	0	0	0	0
## 2062	0	1	0	0	0	0
## 2069	0	0	0	0	0	0
## 2064.1	0	0	0	0	0	0
## 2070	0	0	0	0	0	0
## 2101	0	0	0	0	0	1
## 2110	0	0	0	1	0	0
## 2113	0	0	0	0	1	0
## 2131	0	0	0	1	0	0
## 2131.1	0	0	0	1	0	0
## 2132	0	0	0	1	0	0
## 2135	0	0	0	0	0	1
## 2145	0	0	0	1	0	0
## 2153	0	0	0	0	0	0
## 2162	0	0	0	1	0	0
## 2162.1	0	0	0	1	0	0
## 2163	0	0	0	1	0	0
## 2168	0	0	0	0	0	1
## 2168.1	0	0	0	0	0	1
## 2169	0	0	0	0	0	1
## 2179	0	0	0	1	0	0
## 2178	0	0	0	1	0	0
## 2182	0	0	0	1	0	0
## 2162.2	0	0	0	1	0	0
## 2163.1	0	0	0	1	0	0
## 2164	0	0	0	1	0	0
## 2187	0	0	0	1	0	0
## 2162.3	0	0	0	1	0	0
## 2163.2	0	0	0	1	0	0
## 2164.1	0	0	0	1	0	0
## 2184	0	0	0	1	0	0
## 2174	0	0	0	1	0	0
## 2179.1	0	0	0	1	0	0
## 2180	0	0	0	1	0	0
## 2212	0	1	0	0	0	0
## 2229	0	0	0	0	1	0
## 2229.1	0	0	0	0	1	0
## 2230	0	0	0	0	1	0

## 2237	0	1	0	0	0	0
## 2247	0	0	0	0	0	0
## 2252	0	0	0	1	0	0
## 2275	0	0	0	0	0	0
## 2282	0	0	0	0	0	0
## 2273	0	0	0	0	0	0
## 2273.1	0	0	0	0	0	0
## 2285	0	0	0	0	0	0
## 2287	0	0	0	0	0	0
## 2292	0	0	0	0	0	0
## 2297	0	0	0	0	0	0
## 2300	0	1	0	0	0	0
## 2302	0	0	0	0	0	0
## 2308	0	0	0	0	0	0
## 2308.1	0	0	0	0	0	0
## 2309	0	0	0	0	0	0
## 2323	0	0	0	1	0	0
## 2339	0	0	0	1	0	0
## 2357	0	0	0	0	0	0
## 2360	0	0	0	1	0	0
## 2349	0	1	0	0	0	0
## 2367	0	0	0	0	0	0
## 2366	0	0	0	1	0	0
## 2380	0	0	0	1	0	0
## 2418	0	0	0	0	0	0
## 2433	0	0	0	0	0	0
## 2442	0	0	0	1	0	0
## 2450	0	0	0	0	0	1
## 2463	0	0	0	0	1	0
## 2480	0	1	0	0	0	0
## 2493	0	1	0	0	0	0
## 2504	0	0	0	0	1	0
## 2508	0	1	0	0	0	0
## 2512	0	0	0	0	1	0
## 2525	0	0	0	0	0	0
## 2533	0	0	0	1	0	0
## 2541	0	0	0	1	0	0
## 2548	0	0	0	1	0	0
## 2556	0	0	0	0	0	1
## 2568	0	0	0	1	0	0
## 2574	0	0	0	1	0	0
## 2573	0	0	0	1	0	0
## 2574.1	0	0	0	1	0	0
## 2575	0	0	0	1	0	0
## 2585	0	0	0	1	0	0
## 2574.2	0	0	0	1	0	0
## 2575.1	0	0	0	1	0	0
## 2579	0	0	0	1	0	0
## 2574.3	0	0	0	1	0	0
## 2575.2	0	0	0	1	0	0
## 2579.1	0	0	0	1	0	0
## 2591	0	0	0	1	0	0
## 2574.4	0	0	0	1	0	0
##	Suelosvs9	Suelosvs10	Suelosvs11			

## 3	0	0	0
## 3.1	0	0	0
## 4	0	0	0
## 2	0	0	0
## 11	0	0	0
## 11.1	0	0	0
## 12	0	0	0
## 11.2	0	0	0
## 12.1	0	0	0
## 13	0	0	0
## 11.3	0	0	0
## 12.2	0	0	0
## 13.1	0	0	0
## 14	0	0	0
## 11.4	0	0	0
## 12.3	0	0	0
## 13.2	0	0	0
## 14.1	0	0	0
## 15	0	0	0
## 17	0	0	0
## 11.5	0	0	0
## 12.4	0	0	0
## 13.3	0	0	0
## 14.2	0	0	0
## 15.1	0	0	0
## 16	0	0	0
## 17.1	0	0	0
## 18	0	0	0
## 17.2	0	0	0
## 18.1	0	0	0
## 21	0	0	0
## 17.3	0	0	0
## 18.2	0	0	0
## 21.1	0	0	0
## 22	0	0	0
## 17.4	0	0	0
## 18.3	0	0	0
## 21.2	0	0	0
## 22.1	0	0	0
## 23	0	0	0
## 17.5	0	0	0
## 18.4	0	0	0
## 21.3	0	0	0
## 22.2	0	0	0
## 23.1	0	0	0
## 24	0	0	0
## 17.6	0	0	0
## 18.5	0	0	0
## 21.4	0	0	0
## 22.3	0	0	0
## 23.2	0	0	0
## 24.1	0	0	0
## 25	0	0	0
## 17.7	0	0	0

## 18.6	0	0	0
## 21.5	0	0	0
## 22.4	0	0	0
## 23.3	0	0	0
## 24.2	0	0	0
## 25.1	0	0	0
## 26	0	0	0
## 17.8	0	0	0
## 18.7	0	0	0
## 21.6	0	0	0
## 22.5	0	0	0
## 23.4	0	0	0
## 24.3	0	0	0
## 25.2	0	0	0
## 26.1	0	0	0
## 27	0	0	0
## 17.9	0	0	0
## 18.8	0	0	0
## 21.7	0	0	0
## 22.6	0	0	0
## 23.5	0	0	0
## 24.4	0	0	0
## 25.3	0	0	0
## 26.2	0	0	0
## 27.1	0	0	0
## 28	0	0	0
## 17.10	0	0	0
## 18.9	0	0	0
## 21.8	0	0	0
## 22.7	0	0	0
## 23.6	0	0	0
## 24.5	0	0	0
## 25.4	0	0	0
## 26.3	0	0	0
## 27.2	0	0	0
## 28.1	0	0	0
## 29	0	0	0
## 17.11	0	0	0
## 18.10	0	0	0
## 21.9	0	0	0
## 22.8	0	0	0
## 23.7	0	0	0
## 24.6	0	0	0
## 25.5	0	0	0
## 26.4	0	0	0
## 27.3	0	0	0
## 28.2	0	0	0
## 29.1	0	0	0
## 30	0	0	0
## 17.12	0	0	0
## 18.11	0	0	0
## 21.10	0	0	0
## 22.9	0	0	0
## 23.8	0	0	0

## 24.7	0	0	0
## 25.6	0	0	0
## 26.5	0	0	0
## 27.4	0	0	0
## 28.3	0	0	0
## 29.2	0	0	0
## 30.1	0	0	0
## 31	0	0	0
## 17.13	0	0	0
## 18.12	0	0	0
## 21.11	0	0	0
## 22.10	0	0	0
## 23.9	0	0	0
## 24.8	0	0	0
## 25.7	0	0	0
## 26.6	0	0	0
## 27.5	0	0	0
## 28.4	0	0	0
## 29.3	0	0	0
## 30.2	0	0	0
## 31.1	0	0	0
## 32	0	0	0
## 17.14	0	0	0
## 18.13	0	0	0
## 21.12	0	0	0
## 22.11	0	0	0
## 23.10	0	0	0
## 24.9	0	0	0
## 25.8	0	0	0
## 26.7	0	0	0
## 27.6	0	0	0
## 28.5	0	0	0
## 29.4	0	0	0
## 30.3	0	0	0
## 31.2	0	0	0
## 32.1	0	0	0
## 33	0	0	0
## 17.15	0	0	0
## 18.14	0	0	0
## 21.13	0	0	0
## 22.12	0	0	0
## 23.11	0	0	0
## 24.10	0	0	0
## 25.9	0	0	0
## 26.8	0	0	0
## 27.7	0	0	0
## 28.6	0	0	0
## 29.5	0	0	0
## 30.4	0	0	0
## 31.3	0	0	0
## 32.2	0	0	0
## 33.1	0	0	0
## 34	0	0	0
## 17.16	0	0	0

## 18.15	0	0	0
## 21.14	0	0	0
## 22.13	0	0	0
## 23.12	0	0	0
## 24.11	0	0	0
## 25.10	0	0	0
## 26.9	0	0	0
## 27.8	0	0	0
## 28.7	0	0	0
## 29.6	0	0	0
## 30.5	0	0	0
## 31.4	0	0	0
## 32.3	0	0	0
## 33.2	0	0	0
## 34.1	0	0	0
## 35	0	0	0
## 17.17	0	0	0
## 18.16	0	0	0
## 21.15	0	0	0
## 22.14	0	0	0
## 23.13	0	0	0
## 24.12	0	0	0
## 25.11	0	0	0
## 26.10	0	0	0
## 27.9	0	0	0
## 28.8	0	0	0
## 29.7	0	0	0
## 30.6	0	0	0
## 31.5	0	0	0
## 32.4	0	0	0
## 33.3	0	0	0
## 34.2	0	0	0
## 35.1	0	0	0
## 36	0	0	0
## 17.18	0	0	0
## 18.17	0	0	0
## 21.16	0	0	0
## 22.15	0	0	0
## 23.14	0	0	0
## 24.13	0	0	0
## 25.12	0	0	0
## 26.11	0	0	0
## 27.10	0	0	0
## 28.9	0	0	0
## 29.8	0	0	0
## 30.7	0	0	0
## 31.6	0	0	0
## 32.5	0	0	0
## 33.4	0	0	0
## 34.3	0	0	0
## 35.2	0	0	0
## 36.1	0	0	0
## 37	0	0	0
## 17.19	0	0	0

## 18.18	0	0	0
## 21.17	0	0	0
## 22.16	0	0	0
## 23.15	0	0	0
## 24.14	0	0	0
## 25.13	0	0	0
## 26.12	0	0	0
## 27.11	0	0	0
## 28.10	0	0	0
## 29.9	0	0	0
## 30.8	0	0	0
## 31.7	0	0	0
## 32.6	0	0	0
## 33.5	0	0	0
## 34.4	0	0	0
## 35.3	0	0	0
## 36.2	0	0	0
## 37.1	0	0	0
## 38	0	0	0
## 17.20	0	0	0
## 18.19	0	0	0
## 21.18	0	0	0
## 22.17	0	0	0
## 23.16	0	0	0
## 24.15	0	0	0
## 25.14	0	0	0
## 26.13	0	0	0
## 27.12	0	0	0
## 28.11	0	0	0
## 29.10	0	0	0
## 30.9	0	0	0
## 31.8	0	0	0
## 32.7	0	0	0
## 33.6	0	0	0
## 34.5	0	0	0
## 35.4	0	0	0
## 36.3	0	0	0
## 37.2	0	0	0
## 38.1	0	0	0
## 39	0	0	0
## 17.21	0	0	0
## 18.20	0	0	0
## 21.19	0	0	0
## 22.18	0	0	0
## 23.17	0	0	0
## 24.16	0	0	0
## 25.15	0	0	0
## 26.14	0	0	0
## 27.13	0	0	0
## 28.12	0	0	0
## 29.11	0	0	0
## 30.10	0	0	0
## 31.9	0	0	0
## 32.8	0	0	0

## 33.7	0	0	0
## 34.6	0	0	0
## 35.5	0	0	0
## 36.4	0	0	0
## 37.3	0	0	0
## 38.2	0	0	0
## 39.1	0	0	0
## 41	0	0	0
## 10	0	0	0
## 50	0	0	0
## 51	0	0	0
## 58	0	0	0
## 44	0	0	0
## 49	0	0	0
## 9	0	0	0
## 58.1	0	0	0
## 59	0	0	0
## 74	0	0	0
## 76	0	0	0
## 88	0	0	0
## 83	0	0	0
## 89	0	0	0
## 79	0	0	0
## 76.1	0	0	0
## 77	0	0	0
## 73	0	0	0
## 72	0	0	0
## 71	0	0	0
## 96	0	0	0
## 74.1	0	0	0
## 75	0	0	0
## 104	0	0	0
## 119	0	0	0
## 129	0	0	0
## 128	0	0	0
## 122	0	0	0
## 142	0	0	0
## 150	0	0	0
## 121	0	0	0
## 167	0	0	0
## 121.1	0	0	0
## 154	0	0	0
## 142.1	0	0	0
## 146	0	0	0
## 119.1	0	0	0
## 120	0	0	0
## 177	0	0	0
## 174	0	0	0
## 175	0	0	0
## 176	0	0	0
## 135	0	0	0
## 169	0	0	0
## 196	0	0	0
## 196.1	0	0	0



## 197	0	0	0
## 196.2	0	0	0
## 197.1	0	0	0
## 198	0	0	0
## 196.3	0	0	0
## 197.2	0	0	0
## 198.1	0	0	0
## 199	0	0	0
## 196.4	0	0	0
## 197.3	0	0	0
## 198.2	0	0	0
## 199.1	0	0	0
## 200	0	0	0
## 195	0	0	0
## 206	0	0	0
## 208	0	0	0
## 213	0	0	0
## 213.1	0	0	0
## 214	0	0	0
## 213.2	0	0	0
## 214.1	0	0	0
## 215	0	0	0
## 217	0	0	0
## 217.1	0	0	0
## 218	0	0	0
## 231	0	0	0
## 242	0	0	0
## 250	0	0	0
## 223	0	0	0
## 238	0	0	0
## 246	0	0	0
## 246.1	0	0	0
## 260	0	0	0
## 282	0	0	0
## 284	0	0	0
## 196.5	0	0	0
## 197.4	0	0	0
## 198.3	0	0	0
## 199.2	0	0	0
## 200.1	0	0	0
## 201	0	0	0
## 195.1	0	0	0
## 202	0	0	0
## 238.1	0	0	0
## 254	0	0	0
## 296	0	0	0
## 237	0	0	0
## 296.1	0	0	0
## 297	0	0	0
## 275	0	0	0
## 296.2	0	0	0
## 297.1	0	0	0
## 299	0	0	0
## 237.1	0	0	0

## 298	0	0	0
## 292	0	0	0
## 195.2	0	0	0
## 202.1	0	0	0
## 293	0	0	0
## 317	0	0	0
## 316	0	0	0
## 322	0	0	0
## 324	0	0	0
## 329	0	0	0
## 337	0	0	0
## 355	0	0	0
## 322.1	0	0	0
## 323	0	0	0
## 320	0	0	0
## 317.1	0	0	0
## 318	0	0	0
## 319	0	0	0
## 317.2	0	0	0
## 318.1	0	0	0
## 375	0	0	0
## 393	0	0	0
## 316.1	0	0	0
## 321	0	0	0
## 381	0	0	0
## 399	0	0	0
## 399.1	0	0	0
## 400	0	0	0
## 402	0	0	0
## 408	0	0	0
## 408.1	0	0	0
## 409	0	0	0
## 417	0	0	0
## 411	0	0	0
## 408.2	0	0	0
## 409.1	0	0	0
## 410	0	0	0
## 431	0	0	0
## 435	0	0	0
## 433	0	0	0
## 427	0	0	0
## 447	0	0	0
## 449	0	0	0
## 465	0	0	0
## 470	0	0	0
## 460	0	0	0
## 479	0	0	0
## 402.1	0	0	0
## 403	0	0	0
## 502	0	0	0
## 502.1	0	0	0
## 503	0	0	0
## 497	0	0	0
## 514	0	0	0

## 507	0	0	0
## 399.2	0	0	0
## 400.1	0	0	0
## 401	0	0	0
## 497.1	0	0	0
## 508	0	0	0
## 495	0	0	0
## 572	0	0	0
## 574	0	0	0
## 574.1	0	0	0
## 575	0	0	0
## 579	0	0	0
## 579.1	0	0	0
## 582	0	0	0
## 586	0	0	0
## 572.1	0	0	0
## 573	0	0	0
## 599	0	1	0
## 612	0	0	0
## 617	0	0	0
## 616	0	0	0
## 641	0	0	0
## 662	0	0	0
## 668	0	0	0
## 678	0	0	0
## 677	0	0	0
## 647	0	0	0
## 700	0	0	0
## 704	0	0	0
## 709	0	1	0
## 732	0	0	0
## 806	0	0	0
## 700.1	0	0	0
## 701	0	0	0
## 851	0	0	0
## 859	0	0	0
## 887	0	0	0
## 894	0	0	0
## 896	0	0	0
## 899	0	0	0
## 901	0	0	0
## 910	0	0	0
## 894.1	0	0	0
## 900	0	0	0
## 917	0	0	0
## 926	0	1	0
## 892	0	0	0
## 945	0	0	0
## 937	0	0	0
## 908	0	0	0
## 958	0	0	0
## 971	0	1	0
## 985	0	0	0
## 1019	0	0	0

## 1039	0	0	0
## 1017	0	0	0
## 1097	0	0	0
## 1135	0	0	0
## 1135.1	0	0	0
## 1136	0	0	0
## 1139	0	0	0
## 1139.1	0	0	0
## 1140	0	0	0
## 1145	0	0	0
## 1143	0	0	0
## 1145.1	0	0	0
## 1146	0	0	0
## 1138	0	0	0
## 1167	0	0	0
## 1173	0	0	0
## 1175	0	0	0
## 1178	0	0	0
## 1217	0	0	0
## 1211	0	0	0
## 1131	0	0	0
## 1250	0	0	0
## 1253	0	0	0
## 1268	0	0	0
## 1248	0	0	0
## 1249	0	0	0
## 1216	0	0	0
## 1216.1	0	0	0
## 1280	0	0	0
## 1266	0	0	0
## 1293	0	0	0
## 1295	0	0	0
## 1295.1	0	0	0
## 1296	0	0	0
## 1305	0	0	0
## 1308	0	0	0
## 1308.1	0	0	0
## 1309	0	0	0
## 1311	0	0	0
## 1315	0	0	0
## 1315.1	0	0	0
## 1316	0	0	0
## 1318	0	0	0
## 1320	0	0	0
## 1315.2	0	0	0
## 1316.1	0	0	0
## 1317	0	0	0
## 1327	0	0	0
## 1341	0	0	0
## 1345	0	0	0
## 1350	0	0	0
## 1408	0	0	0
## 1438	0	0	0
## 1443	0	0	0

## 1443.1	0	0	0
## 1444	0	0	0
## 1290	0	0	0
## 1465	0	0	0
## 1474	0	0	0
## 1474.1	0	0	0
## 1475	0	0	0
## 1485	0	0	0
## 1503	0	0	0
## 1506	0	0	0
## 1509	0	0	0
## 1533	0	0	0
## 1533.1	0	0	0
## 1534	0	0	0
## 1533.2	0	0	0
## 1534.1	0	0	0
## 1537	0	0	0
## 1533.3	0	0	0
## 1534.2	0	0	0
## 1537.1	0	0	0
## 1539	0	0	0
## 1545	0	0	0
## 1545.1	0	0	0
## 1546	0	0	0
## 1548	0	0	0
## 1552	0	0	0
## 1552.1	0	0	0
## 1557	0	0	0
## 1571	0	0	0
## 1580	0	0	0
## 1570	0	0	0
## 1584	0	0	0
## 1584.1	0	0	0
## 1606	0	0	0
## 1609	0	0	0
## 1612	0	0	0
## 1624	0	0	0
## 1629	0	0	0
## 1631	0	0	0
## 1642	0	0	0
## 1663	0	0	0
## 1702	0	0	0
## 1700	0	0	0
## 1719	0	0	0
## 1719.1	0	0	0
## 1720	0	0	0
## 1731	0	0	0
## 1742	0	0	0
## 1698	0	0	0
## 1749	0	0	0
## 1741	0	0	0
## 1768	0	0	0
## 1807	0	0	0
## 1771	0	0	0

## 1814	0	0	0
## 1830	0	0	0
## 1848	0	0	0
## 1853	0	0	0
## 1863	0	0	0
## 1862	0	0	0
## 1862.1	0	0	0
## 1867	0	0	0
## 1865	0	0	0
## 1862.2	0	0	0
## 1867.1	0	0	0
## 1868	0	0	0
## 1862.3	0	0	0
## 1867.2	0	0	0
## 1868.1	0	0	0
## 1872	0	0	0
## 1879	0	0	0
## 1911	0	0	0
## 1952	0	0	0
## 1954	0	0	0
## 1973	0	0	0
## 1989	0	0	0
## 1994	0	0	0
## 1996	0	0	0
## 1998	0	0	0
## 1998.1	0	0	0
## 1999	0	0	0
## 2001	0	0	0
## 2021	0	0	0
## 2015	0	0	0
## 2029	0	0	0
## 2034	0	0	0
## 2039	0	0	0
## 2045	0	0	0
## 2064	0	0	0
## 2062	0	0	0
## 2069	0	0	0
## 2064.1	0	0	0
## 2070	0	0	0
## 2101	0	0	0
## 2110	0	0	0
## 2113	0	0	0
## 2131	0	0	0
## 2131.1	0	0	0
## 2132	0	0	0
## 2135	0	0	0
## 2145	0	0	0
## 2153	0	0	0
## 2162	0	0	0
## 2162.1	0	0	0
## 2163	0	0	0
## 2168	0	0	0
## 2168.1	0	0	0
## 2169	0	0	0

## 2179	0	0	0
## 2178	0	0	0
## 2182	0	0	0
## 2162.2	0	0	0
## 2163.1	0	0	0
## 2164	0	0	0
## 2187	0	0	0
## 2162.3	0	0	0
## 2163.2	0	0	0
## 2164.1	0	0	0
## 2184	0	0	0
## 2174	0	0	0
## 2179.1	0	0	0
## 2180	0	0	0
## 2212	0	0	0
## 2229	0	0	0
## 2229.1	0	0	0
## 2230	0	0	0
## 2237	0	0	0
## 2247	0	0	0
## 2252	0	0	0
## 2275	0	0	0
## 2282	0	0	0
## 2273	0	0	0
## 2273.1	0	0	0
## 2285	0	0	0
## 2287	0	0	0
## 2292	0	0	0
## 2297	0	0	0
## 2300	0	0	0
## 2302	0	0	0
## 2308	0	0	0
## 2308.1	0	0	0
## 2309	0	0	0
## 2323	0	0	0
## 2339	0	0	0
## 2357	0	0	1
## 2360	0	0	0
## 2349	0	0	0
## 2367	0	0	0
## 2366	0	0	0
## 2380	0	0	0
## 2418	0	0	0
## 2433	0	0	0
## 2442	0	0	0
## 2450	0	0	0
## 2463	0	0	0
## 2480	0	0	0
## 2493	0	0	0
## 2504	0	0	0
## 2508	0	0	0
## 2512	0	0	0
## 2525	0	0	0
## 2533	0	0	0

```

## 2541      0      0      0
## 2548      0      0      0
## 2556      0      0      0
## 2568      0      0      0
## 2574      0      0      0
## 2573      0      0      0
## 2574.1    0      0      0
## 2575      0      0      0
## 2585      0      0      0
## 2574.2    0      0      0
## 2575.1    0      0      0
## 2579      0      0      0
## 2574.3    0      0      0
## 2575.2    0      0      0
## 2579.1    0      0      0
## 2591      0      0      0
## 2574.4    0      0      0
## [ reached 'max' / getOption("max.print") -- omitted 3619 rows ]
## Checking if any bins have less than 5 points, merging bins when necessary...
##
## Selected:
##   model    psill    range
## 1   Nug 0.2431701    0.00
## 2   Exp 0.1039212 10433.87
##
## Tested models, best first:
##   Tested.models kappa    SSError
## 2           Exp      0 7.114677e-08
## 1           Sph      0 1.906273e-07
## [using universal kriging]
print(Sys.time() - start)

## Time difference of 6.107813 mins
# Devolvemos los valores de COS a su condicon original.

RKprediction.g <- exp(raster(OCS.krige.g$krige_output[1]))
RKpredsd.g <- exp(raster(OCS.krige.g$krige_output[3]))

# Vemos el resumen estadistico de los resultados en kg/m2.

summary(RKprediction.g)

##           layer
## Min.      1.271960
## 1st Qu.   3.728430
## Median   4.214753
## 3rd Qu.   6.109628
## Max.     21.034119
## NA's     16350.000000

summary(RKpredsd.g)

##           layer
## Min.      1.154968

```



```
## 1st Qu.      1.244228
## Median      1.301377
## 3rd Qu.     1.367798
## Max.        1.384404
## NA's        16350.000000
```

```
# Si existen valores atipico se pueden eliminar aqui.
```

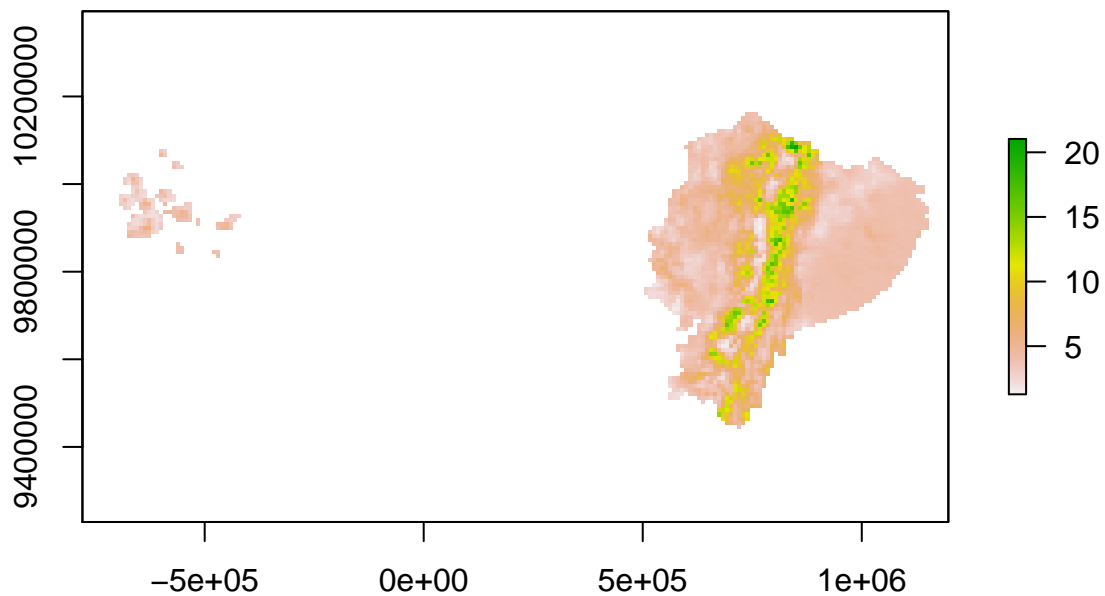
```
#values(RKprediction.g ) [values(RKprediction.g ) < 0]  <- NA
#values(RKprediction.g ) [values(RKprediction.g ) > 100]  <- NA
#values(RKpredsd.g) [values(RKpredsd.g ) > 10]  <- NA
```

```
# Vemos el resumen estadistico de los resultados en kg/m2.
```

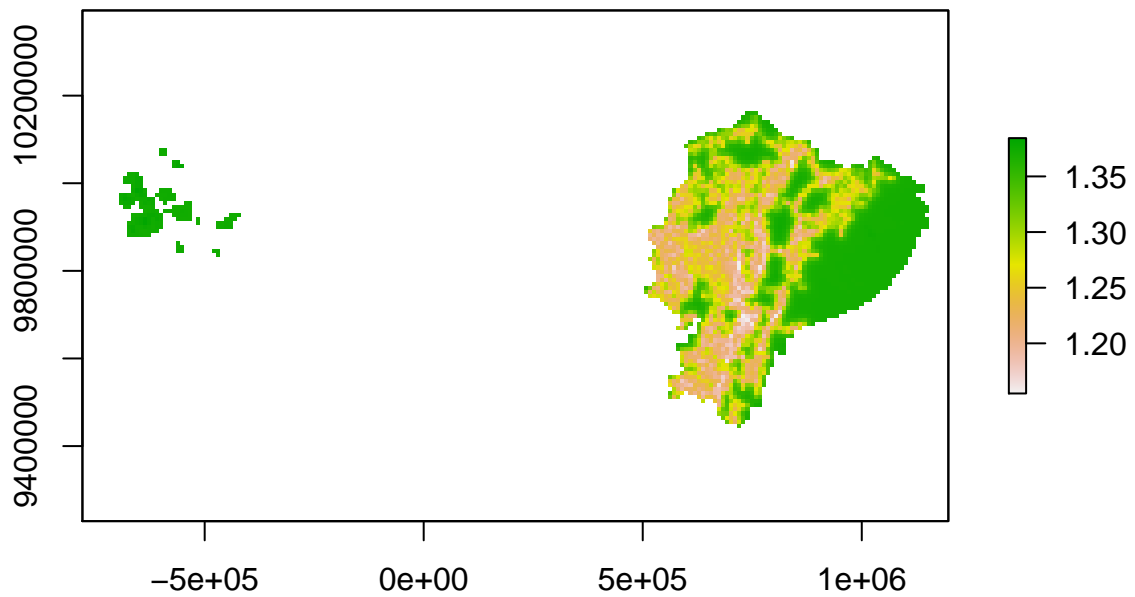
```
#summary(RKprediction.g)
#summary(RKpredsd.g)
```

```
# Graficamos los resultados.
```

```
plot(RKprediction.g)
```



```
plot(RKpredsd.g)
```



```
# Guardamos los resultados en archivos tiff.

# writeRaster(RKprediction.g, filename = "ECU_OCS_RK_G_kgm2.tif")
# writeRaster(RKpredsd.g, filename = "ECU_OCS_RKpredsd_G_kgm2.tif")

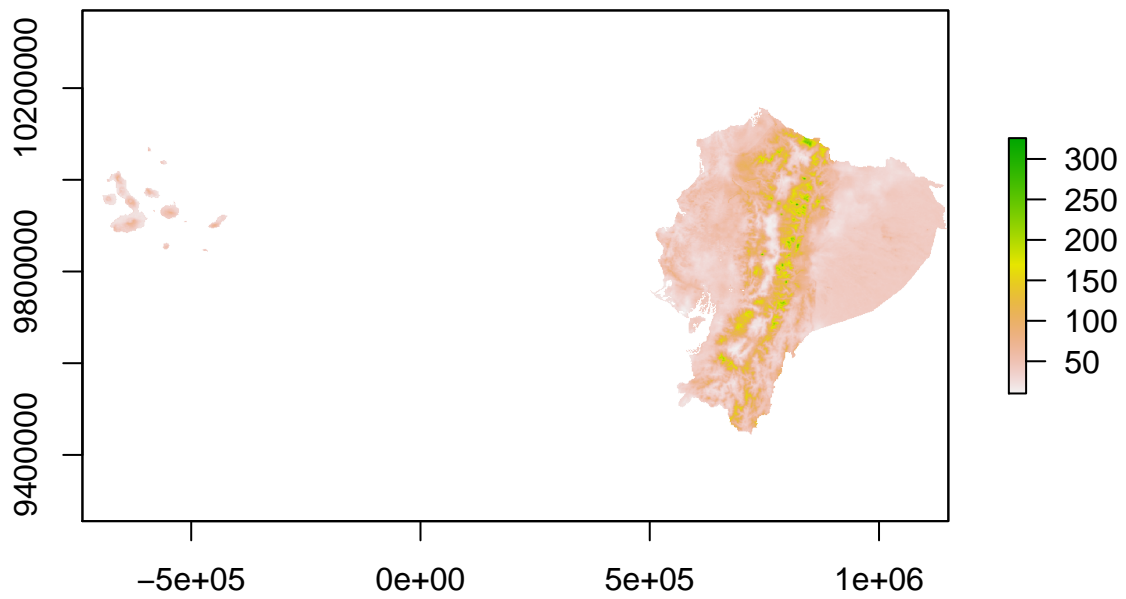
# Convertimos los resultados de kg/m2 a Tn/ha.
# Importamos el raster resultados

r1.g <- raster ('ECU_OCS_RK_G_kgm2.tif')
r2.g <- r1.g *10

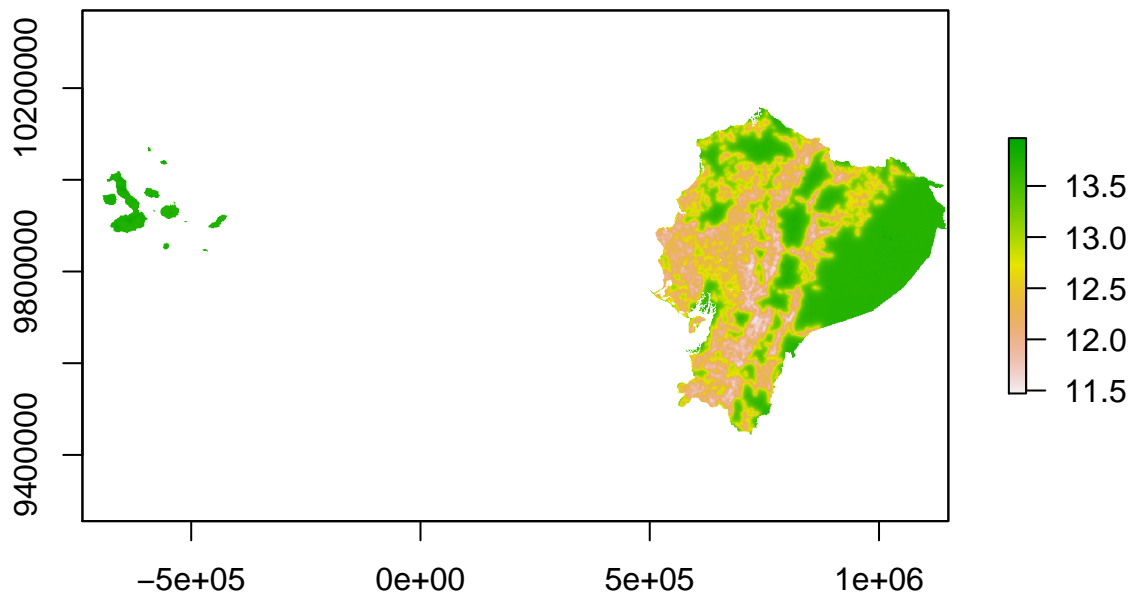
r3.g <- raster ('ECU_OCS_RKpredsd_G_kgm2.tif')
r4.g <- r3.g *10

# Graficamos los resultados en Tn/ha.

plot(r2.g)
```



```
plot(r4.g)
```



```
r2.g_geo <- projectRaster(r2.g, crs = CRS("+proj=longlat +datum=WGS84 +no_defs +ellps=WGS84 +towgs84=0,
r4.g_geo <- projectRaster(r4.g, crs = CRS("+proj=longlat +datum=WGS84 +no_defs +ellps=WGS84 +towgs84=0,
```

```
# Se guarda en formato tif.
writeRaster(r2.g, 'ECU_Map_a_COS_G_tinha.tif')
writeRaster(r4.g, 'ECU_Map_a_COS_Res_G_tinha.tif')
writeRaster(r2.g_geo, 'ECU_Map_a_COS_G_tinha_geot.tif')
writeRaster(r4.g_geo, 'ECU_Map_a_COS_Res_G_tinha_geot.tif')
```

```
# Estimacion de la incertidumbre segun validacion cruzada.
# Eliminamos datos duplicados.
```

```
dat_sp = dat_sp[which(!duplicated(dat_sp@coords)), ]
```

```
# Corremos la validacion cruzada.
```

```
OCS.krige.cv <- autoKriging(formula = as.formula(modelo.MLR.step$call$formula),
input_data = dat_sp, nfold = 5)
```

```
##
```

```
|
|
|
|=====| 25%
```

```
|=====| 50%
|
|=====| 75%
|
|=====| 100%
```

```
# Vemos un resumen estadístico de la validación cruzada.
```

```
summary(OCS.krige.cv)
```

```
##           [,1]
## mean_error 0.001125
## me_mean    0.0007612
## MAE        0.3956
## MSE        0.2778
## MSNE       0.9741
## cor_ospred 0.6311
## cor_predres 0.001981
## RMSE       0.527
## RMSE_sd    0.7757
## URMSE      0.527
## iqr        0.6075
```

```
#=====
# ===== SCRIPT PARA VALIDACION EXTERNA =====
# ===== ECUADOR =====
#=====
```

```
# Para esta validación se emplearon los 1000 puntos dejados fuera de la calibración
# del modelo de Regresión - Kriging.
```

```
# Cargamos los datos de los perfiles de validación.
```

```
datv <- read.csv("ecu_vali8.csv", header = TRUE, sep = ",")
```

```
# Observamos los nombres de los campos o columnas.
```

```
names(datv)
```

```
## [1] "Id1"      "Id"      "Latitude" "Longitud" "Ocskgm30"
```

```
# Vemos un resumen de los datos de COS (Kg/m2) de los perfiles de validación.
```

```
summary(datv$Ocskgm30)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.1376  3.0513  4.4866  5.3964  6.2934 37.7296
```

```
## Recreamos el objeto con la ubicación de los puntos.
```

```
coordinates(datv) <- ~ Longitud + Latitude
```

```
# Adecuamos proyección cartográficas.
```

```
# Project point data
```

```
datv@proj4string <- CRS(projargs = "+proj=longlat +datum=WGS84 +no_defs +ellps=WGS84 +towgs84=0,0,0")
OCSKGM_RK <- raster("ECU_OCS_RK_kgm2_geot.tif")
```

```

# Extraemos los datos de COS en kg/m2 de la capa estimada para los puntos de validacion.
datv <- extract(x = OCSKGM_RK, y = datv, sp = TRUE)

# Calculamos la diferencia entre los valores de COS medidos y los COS estimados.
datv$PE_RK <- datv$ECU_OCS_RK_kgm2_geot - datv$Ocskgm30

# Guardamos los resultados de esta validacion.

# write.csv(datv, "Ecu_validacion8.csv", row.names = F)

# Exponemos un resumen de los errores de prediccion.
summary(res_rk <- abs(datv$ECU_OCS_RK_kgm2_geot - datv$Ocskgm30))

##      Min.   1st Qu.   Median     Mean  3rd Qu.    Max.
## 0.00027  0.56144  1.30736  1.89534  2.33010 34.73290

# Estimacion de las medidas de calidad del mapa.

# Calculamos el cuartil 75%.
s <- quantile(res_rk, .75, na.rm=TRUE)

# Calculamos e imprimimos el error medio cuadrado entre el valor predicho
# y el valor medido.
a <- (rmse(datv$ECU_OCS_RK_kgm2_geot, datv$Ocskgm30))

# Calculamos el R2 entre los valores estimados o predichos y los medidos u observados.
g <- (cor(datv$ECU_OCS_RK_kgm2_geot, datv$Ocskgm30)^2)

# Calculamos el Error medio de todos los puntos de validacion.
ME_RK <- mean(datv$PE_RK, na.rm=TRUE)

# Calculamos el error promedio absoluto (MAE).
MAE_RK <- mean(abs(datv$PE_RK), na.rm=TRUE)

# Calculamos el cuadrado del error promedio (MSE).
MSE_RK <- mean(datv$PE_RK^2, na.rm=TRUE)

# Calculamos la raiz cuadrada del error promedio cuadrado (RMSE).
RMSE_RK <- sqrt(sum(datv$PE_RK^2, na.rm=TRUE) / length(datv$PE_RK))

# Estimamos la varianza explicada (Amount of Variance Explained (AVE)).
AVE_RK <- 1 - sum(datv$PE_RK^2, na.rm=TRUE) /
  sum((datv$Ocskgm30 - mean(datv$Ocskgm30, na.rm = TRUE))^2,

```

```

na.rm = TRUE)

# Impresion de los errores.

metodo <- factor("Regresion-Kriging")
metodo <- data.frame(metodo)

resultados <- cbind(metodo, ME_RK, MAE_RK, MSE_RK, RMSE_RK, AVE_RK, s, g)
etiquetas <- c("Metodos", "ME", "MAE", "MSE", "RMSE", "AVE", "Err Q75", "R2")
names(resultados) <- etiquetas

print(resultados)

##              Metodos      ME      MAE      MSE      RMSE      AVE
## 75% Regresion-Kriging -0.517241 1.895339 8.988367 2.998061 0.3930775
##      Err Q75      R2
## 75% 2.330099 0.4120027

# Graficamos las medidas de calidad del mapa.

# Graficamos el Scatter.

par(mfrow=c(1,1))
plot(datv$ECU_OCS_RK_kgm2_geot, datv$Ocskgm30, main="Comparacion entre valores COS predichos por Regres",
      ylab='Valor COS observado', text(15,0.5, "La linea roja representa una pendiente de realcion 1: 1.
      valores observados y predichos."))

# Dibujamos una linea con relacion 1:1 color negro.

abline(0,1, lty=2, col='red')

# Establecemos una linea de regresion entre los valores estimados y los medidos color azul.

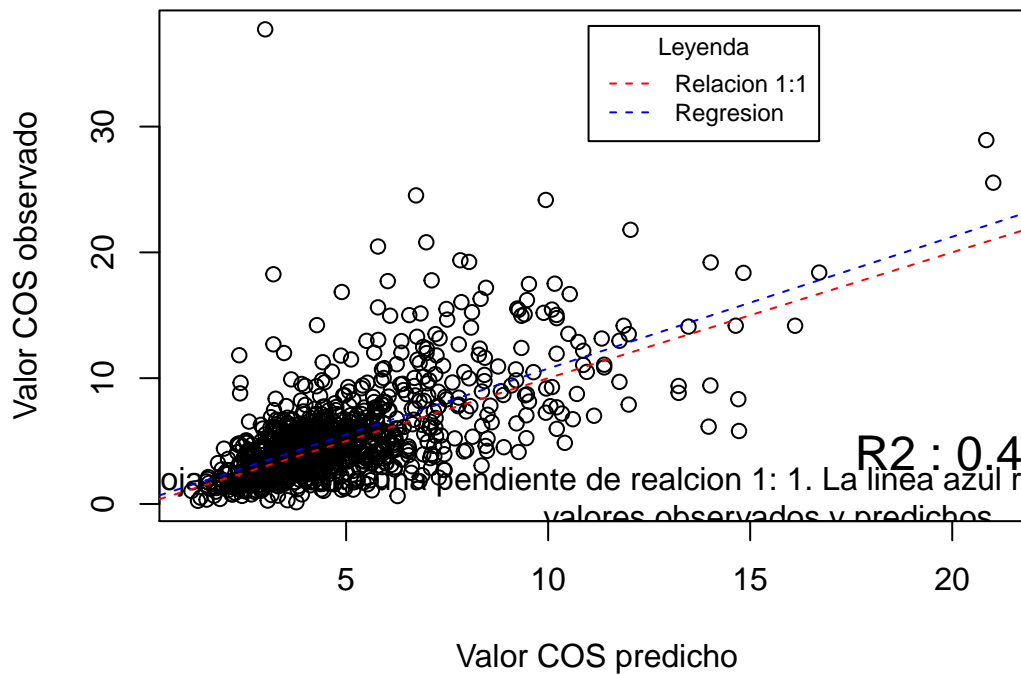
abline(lm(datv$Ocskgm30 ~ datv$ECU_OCS_RK_kgm2_geot), col = 'blue', lty=2)

legend(x = 11, y = 38, legend = c("Relacion 1:1", "Regresion"), col = c("Red", "Blue"),
      title = "Leyenda", lty = 2, cex = 0.75)

text(20,4,"R2 : 0.41", cex = 1.5)

```

e valores COS predichos por Regresion-Kriging y valores reales obser



```
# Graficamos las borbuja de prediccion espacial (Spatial bubbles for prediction errors).
```

```
Ecuador <- shapefile("ecu2.shp")
```

```
## Warning in .local(x, ...): .prj file is missing
```

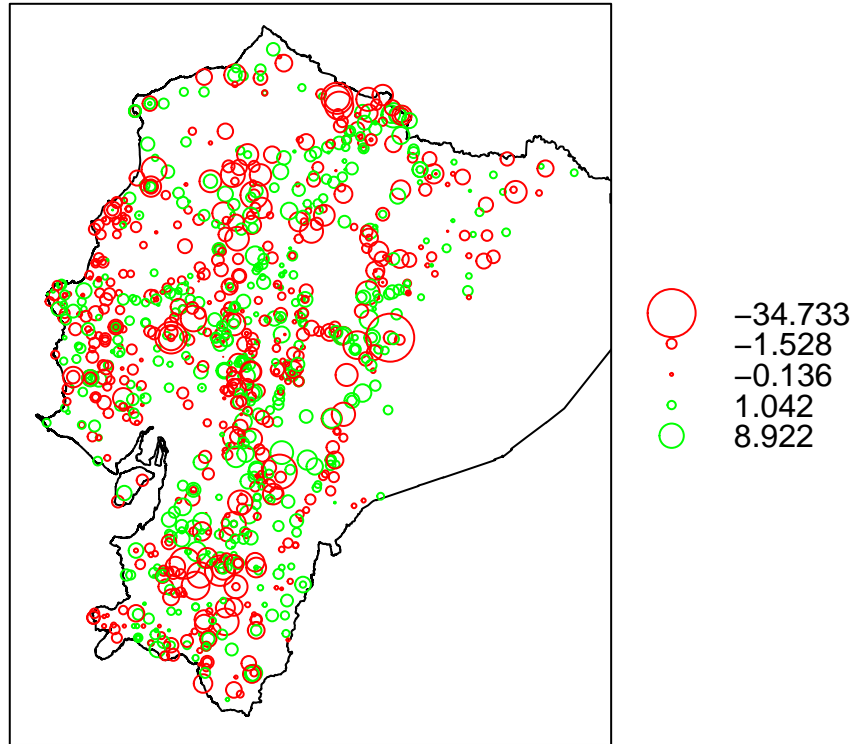
```
Ecuador@proj4string <- CRS(projargs = "+proj=longlat +datum=WGS84 +no_defs +ellps=WGS84 +towgs84=0,0,0")
```

```
Ecuador.sp <- as(Ecuador, "SpatialPolygonsDataFrame", filled.contour())
```

```
bubble(datv[!is.na(datv$PE_RK),], "PE_RK", pch = 21,
       col=c('red', 'green'), main = "Errores espaciales de predicci3n", sp.layout=list("sp.polygons", 1
```



## Errores espaciales de predicción



```
# Grabamos el espacio de trabajo.
```

```
save.image("C:/Marsev/Ecuador/Ecuador_mg_vs_resobaja.Rdata")
```