Ejercicio Final: SEM y medición economico-social

Héctor Nájera y Curtis Huffman

09/12/2019

La EMSA descansa en dos supuestos fundamentales:

1. La EMSA es unidimensional, i.e. los indicadores son manifestaciones de un mismo constructo.
2. Los indicadores miden distintos niveles de severidad de seguridad alimentaria y discriminan equivalentemente (i.e. se trata de un modelo RASCH)

## Datos

El archivo "DatosEMSA2008.csv" contiene los datos (15 columnas). La primera columna es el id de la persona y las siguientes 12 columnas corresponden a los indicadores binarios de la EMSA (1=Carencia; 0=Sin Carencia), la columna 14 es el identificador de pobreza por ingreso y la columna 15 contiene el total de integrantes del hogar.

D<-read.csv("C:/OneDrive/Proyectos Investigacion/Lectures/SEMindicadores/2022-1/Ejercicio IRT/DatosEMSA2008.csv")  
head(D)

## X ia\_1ad ia\_2ad ia\_3ad ia\_4ad ia\_5ad ia\_6ad ia\_7men ia\_8men ia\_9men ia\_10men  
## 1 1 1 1 1 0 1 1 1 1 0 0  
## 2 2 0 0 0 0 0 0 0 0 0 0  
## 3 3 0 0 0 0 0 0 0 0 0 0  
## 4 4 0 0 0 0 0 0 0 0 0 0  
## 5 5 0 0 0 0 0 0 0 0 0 0  
## 6 6 1 0 1 0 0 0 0 0 0 0  
## ia\_11men ia\_12men plb\_m tot\_integ  
## 1 0 0 0 5  
## 2 0 0 0 4  
## 3 0 0 0 5  
## 4 0 0 0 5  
## 5 0 0 0 5  
## 6 0 0 0 5

Primero estimamos la prevalencias de cada episodio de hambre o de poca variedad de alimentos. Observamos cierta relación entre la crudeza del episodio de hambre y la proporción de hogares con la carencia. Ha mayor crudeza menor prevalencia. Esto es lo que esperaríamos observar en una escala que busca capturar distintas severidades del fenómeno de interés.

colMeans(D[,2:13])\*100

## ia\_1ad ia\_2ad ia\_3ad ia\_4ad ia\_5ad ia\_6ad ia\_7men ia\_8men   
## 36.00 16.45 25.75 15.05 17.00 13.10 26.40 18.75   
## ia\_9men ia\_10men ia\_11men ia\_12men   
## 17.65 9.30 8.85 6.65

## Teoría de respuesta al ítem

Nos hemos enfocado en la confiabilidad global de los scores. Sin emabrgo, no tenemos mucha idea del tipo de información que aporta cada ítem a los scores globales. Esto es importante porque la EMSA apunta a capturar distintas severidades del fenómenos de interés. Estimaremos primero un modelo **Rasch** puesto que es el modelo teórico que debería representarse en los datos. Este modelo supone que las diferencias de los ítems ocurren en términos de severidad y no de discriminación. Usaremos el paquete ltm() y la función rasch().

Los ítems de la EMSA parecen capturar distintos grados de severidad. Observamos que los ítems de adultos tienenden a ser menos severos (a la izquierda) que los de infancia. Parece razonable el supuesto de la EMSA. Sin embargo, las distancia entre varias de las curvas son pequeñas y algunas se traslpan. Esto significa que algunos de los indicadores son redundantes.

library(ltm)

## Loading required package: MASS

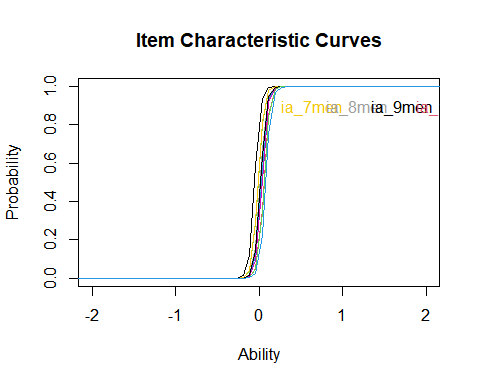
## Loading required package: msm

## Loading required package: polycor

RASCH<-rasch(D[,2:13])

## Warning in rasch(D[, 2:13]): Hessian matrix at convergence is not positive definite; unstable solution.

plot(RASCH, xlim=c(-2,2))



Ahora estimamos un modelo de teoría de respuesta al ítem de dos parámetros. Es decir, relajamos el supuesto de que la dificultad es la misma para todos los ítems. Observamos que el supuesto del modelo rasch no parece sostenerse. Las pendientes tienender a ser distintas y las curvas de alguos ítem cruzan otras curvas. Ciertos ítems como el *iaa\_4* parecen tocar distintos niveles de seguridad alimentaria. Aunque los parámetros de discriminación son distintos, en todos los casos son valores altos . Esto es consistente con los altos valores de las ’s del modelo factorial.

IRT2PL<-ltm(D[,2:13] ~ z1)

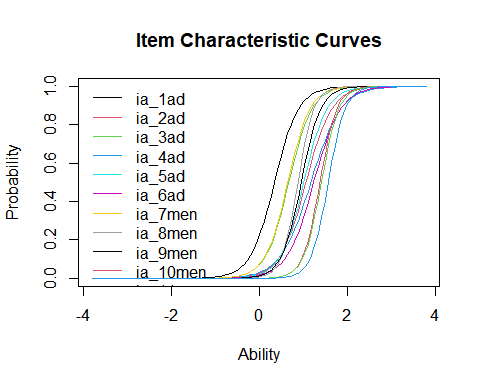
Veamos los resultados

summary(IRT2PL)

##   
## Call:  
## ltm(formula = D[, 2:13] ~ z1)  
##   
## Model Summary:  
## log.Lik AIC BIC  
## -6090.789 12229.58 12364  
##   
## Coefficients:  
## value std.err z.vals  
## Dffclt.ia\_1ad 0.3477 0.0276 12.6054  
## Dffclt.ia\_2ad 1.0632 0.0383 27.7826  
## Dffclt.ia\_3ad 0.6763 0.0295 22.9612  
## Dffclt.ia\_4ad 1.1744 0.0414 28.3809  
## Dffclt.ia\_5ad 1.0150 0.0348 29.1638  
## Dffclt.ia\_6ad 1.2442 0.0401 31.0486  
## Dffclt.ia\_7men 0.6507 0.0283 22.9560  
## Dffclt.ia\_8men 0.8813 0.0342 25.7444  
## Dffclt.ia\_9men 0.9567 0.0338 28.3326  
## Dffclt.ia\_10men 1.3819 0.0323 42.7450  
## Dffclt.ia\_11men 1.4152 0.0353 40.0700  
## Dffclt.ia\_12men 1.5696 0.0436 35.9730  
## Dscrmn.ia\_1ad 3.6758 0.2251 16.3294  
## Dscrmn.ia\_2ad 3.4289 0.2218 15.4610  
## Dscrmn.ia\_3ad 3.8304 0.2561 14.9570  
## Dscrmn.ia\_4ad 2.9315 0.1818 16.1283  
## Dscrmn.ia\_5ad 3.8163 0.2476 15.4110  
## Dscrmn.ia\_6ad 3.2981 0.2175 15.1661  
## Dscrmn.ia\_7men 3.9643 0.2886 13.7356  
## Dscrmn.ia\_8men 5.4992 0.5161 10.6546  
## Dscrmn.ia\_9men 4.5070 0.3176 14.1916  
## Dscrmn.ia\_10men 5.2428 0.5241 10.0042  
## Dscrmn.ia\_11men 5.0587 0.4795 10.5490  
## Dscrmn.ia\_12men 5.2080 0.6037 8.6272  
##   
## Integration:  
## method: Gauss-Hermite  
## quadrature points: 21   
##   
## Optimization:  
## Convergence: 0   
## max(|grad|): 0.011   
## quasi-Newton: BFGS

Graficamos las curvas características

plot(IRT2PL, type = "ICC", legend = TRUE)



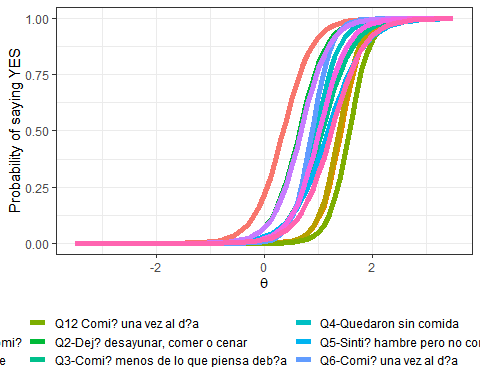
c<-summary(IRT2PL)  
c<-data.frame(c$coefficients)  
  
severity<-data.frame(c[1:12,]$value)  
discrimination<-data.frame(c[13:24,]$value)  
  
Pr <- function(theta, it, D=1) {  
 a <- it[,1]  
 b <- it[,2]  
 c <- it[,3]  
 e <- exp(D \* a \* (theta - b))  
 c + (1 - c) \* e/(1 + e)  
}  
   
### Set parameters to be mapped over  
theta <- seq(-3.5,3.5,.1)  
   
library(ggplot2)

## Warning: package 'ggplot2' was built under R version 4.0.5

cfix=0  
afix=1  
  
severity

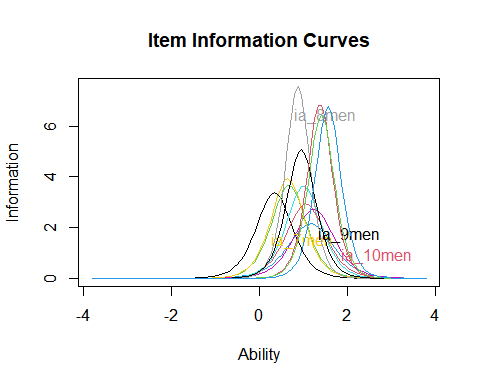
## c.1.12....value  
## 1 0.3476844  
## 2 1.0631911  
## 3 0.6762627  
## 4 1.1744223  
## 5 1.0149857  
## 6 1.2442169  
## 7 0.6506842  
## 8 0.8812806  
## 9 0.9566581  
## 10 1.3819343  
## 11 1.4151620  
## 12 1.5696368

presp <- data.frame(theta=rep(theta,12),   
 prob=c(unlist(lapply(1:12, function(x) Pr(theta, cbind(discrimination[x,], severity[x,], c=cfix))))),  
 b=rep(c("Q1-Poca variedad", "Q3-Comi? menos de lo que piensa deb?a", "Q7-Menor poca variedad", "Q5-Sinti? hambre pero no comi?",  
 "Q8-Menor comi? menos", "Q9-Menor disminuir cantidad servida", "Q2-Dej? desayunar, comer o cenar",  
 "Q6-Comi? una vez al d?a", "Q4-Quedaron sin comida", "Q11-Menor acost? con hambre", "Q10-Sinti? hambre pero no comi?", "Q12 Comi? una vez al d?a"),each=length(theta)))  
  
ggplot(presp,aes(x=theta, y=prob, group=b, colour = b))+  
 geom\_line(size=2) + ylab("Probability of saying YES") +  
 xlab(expression(theta)) + theme\_bw() + theme(legend.position="bottom", legend.key.size = unit(.5, "cm"))



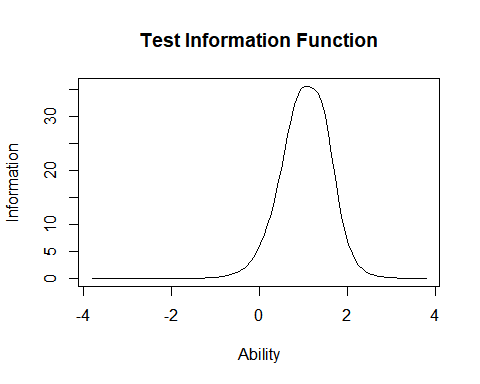
Graficamos las curvas de información

plot(IRT2PL, type=c("IIC"))



Información para la gente con inseguridad alimentaria leve o nula

plot(IRT2PL, items = 0, type = "IIC")



information(IRT2PL, c(-2, 0))

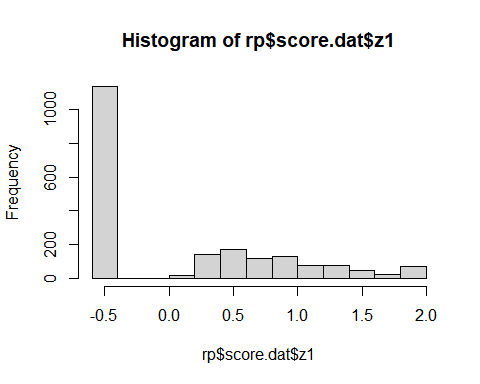
##   
## Call:  
## ltm(formula = D[, 2:13] ~ z1)  
##   
## Total Information = 50.46  
## Information in (-2, 0) = 1.77 (3.5%)  
## Based on all the items

Extraemos los scores

rp <- factor.scores(IRT2PL, resp.patterns = D[,2:13], method = "EB", return.MIvalues = TRUE) #Gets a z score for each   
head(rp)

## $score.dat  
## ia\_1ad ia\_2ad ia\_3ad ia\_4ad ia\_5ad ia\_6ad ia\_7men ia\_8men ia\_9men ia\_10men  
## 1 1 1 1 0 1 1 1 1 0 0  
## 2 0 0 0 0 0 0 0 0 0 0  
## 3 0 0 0 0 0 0 0 0 0 0  
## 4 0 0 0 0 0 0 0 0 0 0  
## 5 0 0 0 0 0 0 0 0 0 0  
## 6 1 0 1 0 0 0 0 0 0 0  
## 7 1 0 0 0 0 0 0 0 0 0  
## 8 1 0 0 0 0 0 1 0 0 0  
## 9 1 0 1 0 0 0 1 1 1 0  
## 10 0 0 0 0 0 0 0 0 0 0  
## 11 1 1 1 1 1 1 1 1 0 0  
## 12 0 0 0 0 0 0 0 0 0 0  
## 13 0 0 0 0 0 0 0 0 0 0  
## 14 0 0 0 0 0 0 0 0 0 0  
## 15 1 1 1 0 1 1 1 1 1 1  
## 16 0 0 0 0 0 0 0 0 0 0  
## 17 0 0 0 0 0 0 0 0 0 0  
## 18 0 0 0 0 0 0 0 0 0 0  
## 19 0 0 0 0 0 0 0 0 0 0  
## 20 0 0 0 0 0 0 0 0 0 0  
## 21 0 0 0 0 0 0 0 0 0 0  
## 22 1 0 1 0 0 0 1 0 0 0  
## 23 1 0 0 0 0 0 1 0 0 1  
## 24 1 1 0 0 1 0 1 0 1 0  
## 25 0 0 0 0 0 0 0 0 0 0  
## 26 1 0 1 0 0 0 1 1 1 0  
## 27 0 0 0 0 0 0 0 0 0 0  
## 28 0 0 0 0 0 0 0 0 0 0  
## 29 1 1 1 0 0 0 0 0 0 0  
## 30 0 0 0 0 0 0 0 0 0 0  
## 31 0 0 0 0 0 0 0 0 0 0  
## 32 0 0 0 0 0 0 0 0 0 0  
## 33 0 0 0 0 0 0 0 0 0 0  
## 34 1 0 1 0 0 0 1 1 0 0  
## 35 1 0 0 1 1 1 1 1 1 1  
## 36 0 0 0 0 0 0 0 0 0 0  
## 37 1 0 0 0 0 0 0 0 0 0  
## 38 1 0 0 0 0 0 0 0 0 0  
## 39 1 1 1 1 1 1 1 1 1 1  
## 40 0 0 0 0 0 0 0 0 0 0  
## 41 1 0 1 1 0 0 1 0 0 0  
## 42 0 0 0 0 0 0 0 0 0 0  
## 43 0 0 0 0 0 0 0 0 0 0  
## 44 1 1 0 1 1 1 1 1 1 1  
## 45 0 0 0 0 0 0 0 0 0 0  
## 46 0 0 0 0 0 0 0 0 0 0  
## 47 1 0 1 1 1 0 1 1 1 1  
## 48 1 0 1 0 0 0 1 1 1 0  
## 49 0 0 0 0 0 0 0 0 0 0  
## 50 0 0 0 0 0 0 0 0 0 0  
## 51 0 0 0 0 0 0 0 0 0 0  
## 52 1 0 1 0 0 0 0 0 0 0  
## 53 1 0 0 0 0 0 1 1 0 0  
## 54 0 0 0 0 0 0 0 0 0 0  
## 55 1 0 0 0 0 0 1 0 0 0  
## 56 0 0 0 0 0 0 0 0 0 0  
## 57 0 1 0 0 0 0 0 0 0 0  
## 58 0 0 0 0 0 0 0 0 0 0  
## 59 1 1 1 0 1 1 1 0 0 0  
## 60 1 0 0 0 0 0 1 0 0 0  
## 61 1 1 1 1 1 1 0 0 0 0  
## 62 0 0 0 0 1 0 0 0 0 0  
## 63 1 1 1 1 0 0 1 1 0 0  
## 64 0 0 0 0 0 0 0 0 0 0  
## 65 1 0 0 0 0 0 1 0 0 0  
## 66 0 0 0 0 0 0 0 0 0 0  
## 67 1 0 0 0 0 1 1 0 0 0  
## 68 0 0 0 0 0 0 0 0 0 0  
## 69 0 0 0 0 0 0 0 0 0 0  
## 70 0 0 0 0 0 0 0 0 0 0  
## 71 1 1 1 1 0 0 1 0 0 0  
## 72 0 0 0 0 0 0 0 0 0 0  
## 73 1 0 0 0 0 0 0 0 0 0  
## 74 0 0 0 0 0 0 0 0 0 0  
## 75 0 0 0 0 0 0 0 0 0 0  
## 76 0 0 0 0 0 0 0 0 0 0  
## 77 0 0 0 0 0 0 0 0 0 0  
## 78 0 0 0 0 0 0 0 0 0 0  
## 79 1 0 0 0 0 0 0 0 0 0  
## 80 0 0 0 0 0 0 0 0 0 0  
## 81 0 0 0 0 0 0 0 0 0 0  
## 82 1 0 1 1 1 1 1 0 0 0  
## 83 0 0 0 0 0 0 0 0 0 0  
## 84 0 0 0 0 0 0 0 0 0 0  
## 85 0 0 0 0 0 0 0 0 0 0  
## 86 0 0 0 0 0 0 0 0 0 0  
## 87 0 0 0 0 0 0 0 0 0 0  
## 88 0 0 0 0 0 0 0 0 0 0  
## 89 1 1 0 0 0 0 1 1 0 0  
## 90 0 0 0 0 0 0 0 0 0 0  
## 91 0 0 0 0 0 0 0 0 0 0  
## 92 0 0 0 0 0 0 0 0 0 0  
## 93 1 1 1 1 1 1 1 1 1 1  
## 94 0 0 0 0 0 0 0 0 0 0  
## 95 0 0 0 0 0 0 0 0 0 0  
## 96 0 0 0 0 0 0 0 0 0 0  
## 97 0 0 0 0 0 0 0 0 0 0  
## 98 0 0 0 0 0 0 0 0 0 0  
## 99 0 0 0 0 0 0 0 0 0 0  
## 100 0 0 0 0 0 0 0 0 0 0  
## 101 0 0 0 0 0 0 0 0 0 0  
## 102 0 0 0 0 0 0 0 0 0 0  
## 103 0 1 0 0 0 0 0 0 0 0  
## 104 0 0 1 0 0 0 0 1 1 0  
## 105 0 0 0 0 0 0 0 0 0 0  
## 106 0 0 0 0 0 0 0 0 0 0  
## 107 0 0 0 0 0 0 0 0 0 0  
## 108 0 0 0 0 0 0 0 0 0 0  
## 109 0 0 0 0 0 0 0 0 0 0  
## 110 1 0 0 1 0 1 0 0 0 0  
## 111 0 0 0 0 0 0 0 0 0 0  
## 112 0 0 0 0 0 0 0 0 0 0  
## 113 1 0 1 0 0 0 1 0 0 0  
## 114 0 0 0 0 0 0 0 0 0 0  
## 115 0 0 0 0 0 0 0 0 0 0  
## 116 1 0 1 0 0 0 0 0 0 0  
## 117 0 0 0 0 0 0 0 0 0 0  
## 118 1 0 0 0 0 0 0 0 0 0  
## 119 1 0 0 0 0 0 1 0 0 0  
## 120 1 0 1 0 0 0 0 0 0 0  
## 121 0 0 0 0 0 0 0 0 0 0  
## 122 1 0 0 0 0 0 0 0 0 0  
## 123 0 0 0 0 0 0 0 0 0 0  
## 124 0 0 0 0 0 0 0 0 0 0  
## 125 0 0 1 0 0 0 0 0 0 0  
## 126 0 0 0 0 0 0 0 0 0 0  
## 127 0 0 0 0 0 0 0 0 0 0  
## 128 0 0 0 0 0 0 0 0 0 0  
## 129 0 0 0 0 0 0 0 0 0 0  
## 130 1 1 1 1 1 1 1 1 1 1  
## 131 1 0 0 0 0 0 0 0 0 0  
## 132 0 0 0 0 0 0 0 0 0 0  
## 133 0 0 0 0 0 0 0 0 0 0  
## 134 1 0 0 0 0 0 1 0 0 0  
## 135 1 1 1 1 1 0 1 1 1 0  
## 136 1 0 0 0 0 0 0 0 0 0  
## 137 0 0 0 0 0 0 1 0 0 0  
## 138 0 0 0 0 0 0 0 0 0 0  
## 139 0 0 0 0 0 0 0 0 0 0  
## 140 1 0 1 1 1 1 0 1 1 0  
## 141 1 1 1 1 0 1 0 1 1 0  
## 142 0 0 0 0 0 0 0 0 0 0  
## 143 1 0 1 0 0 0 1 1 0 0  
## 144 1 0 1 0 0 0 1 1 1 1  
## 145 0 0 0 0 0 0 0 0 0 0  
## 146 0 0 0 0 0 0 0 0 0 0  
## 147 0 0 0 0 0 0 0 0 0 0  
## 148 0 0 0 0 0 0 0 0 0 0  
## 149 1 1 1 1 1 0 1 1 1 1  
## 150 0 0 0 0 0 0 0 0 0 0  
## 151 1 0 1 0 0 0 0 1 0 0  
## 152 0 0 0 0 0 0 0 0 0 0  
## 153 0 0 0 0 0 0 0 0 0 0  
## 154 0 0 0 0 0 0 0 0 0 0  
## 155 0 0 0 0 0 0 0 0 0 0  
## 156 1 0 1 1 0 0 1 1 1 1  
## 157 1 0 1 0 1 0 1 1 1 1  
## 158 1 1 1 1 1 1 1 0 0 0  
## 159 1 0 0 0 0 0 1 0 0 0  
## 160 0 0 0 0 0 0 0 0 0 0  
## 161 0 0 0 0 0 0 0 0 0 0  
## 162 0 0 0 0 0 0 0 0 0 0  
## 163 0 0 0 0 0 0 0 0 0 0  
## 164 0 0 0 0 0 0 0 0 0 0  
## 165 0 0 0 0 0 0 0 0 0 0  
## 166 1 1 1 0 1 0 1 1 1 0  
## 167 0 0 0 0 0 0 0 0 0 0  
## 168 1 1 1 0 0 0 0 0 0 0  
## 169 0 0 0 0 0 0 0 0 0 0  
## 170 0 0 0 0 0 0 0 0 0 0  
## 171 1 1 1 1 0 0 0 0 0 0  
## 172 1 1 1 0 1 1 0 0 0 0  
## 173 1 1 1 1 1 0 1 1 1 1  
## 174 0 0 0 0 0 0 0 0 0 0  
## 175 0 0 0 0 0 0 0 0 0 0  
## 176 0 0 0 0 0 0 0 0 0 0  
## 177 0 0 0 0 0 0 0 0 0 0  
## 178 0 0 0 0 0 0 0 0 0 0  
## 179 0 0 0 0 0 0 0 0 0 0  
## 180 0 0 0 0 0 0 0 0 0 0  
## 181 0 0 0 0 0 0 0 0 0 0  
## 182 0 0 0 0 0 0 0 0 0 0  
## 183 0 0 0 0 0 0 0 0 0 0  
## 184 1 1 1 0 1 0 1 0 0 0  
## 185 1 0 0 0 0 0 0 0 0 0  
## 186 0 0 0 0 0 0 0 0 0 0  
## 187 0 0 0 0 0 0 0 0 0 0  
## 188 1 1 1 0 1 0 1 1 1 0  
## 189 0 0 0 0 0 0 0 0 0 0  
## 190 0 0 0 0 0 0 0 0 0 0  
## 191 1 1 1 0 1 0 1 1 1 0  
## 192 1 0 1 0 0 0 1 0 1 0  
## 193 1 0 0 0 0 0 1 1 0 0  
## 194 1 0 1 1 1 0 0 0 0 0  
## 195 0 0 0 0 0 0 0 0 0 0  
## 196 0 0 0 0 0 0 0 0 0 0  
## 197 0 0 0 0 0 0 0 0 0 0  
## 198 0 0 0 0 0 0 0 0 0 0  
## 199 0 0 0 0 0 0 0 0 0 0  
## 200 0 0 0 0 0 0 0 0 0 0  
## 201 0 0 0 0 0 0 0 0 0 0  
## 202 1 1 1 0 1 1 1 1 1 1  
## 203 0 0 0 0 0 0 0 0 0 0  
## 204 1 1 0 0 0 0 0 0 0 0  
## 205 1 0 0 0 0 0 0 0 0 0  
## 206 0 0 0 0 0 0 0 0 0 0  
## 207 0 0 0 0 0 0 0 0 0 0  
## 208 1 1 1 0 0 0 1 0 0 0  
## 209 1 1 0 0 0 0 1 1 0 0  
## 210 1 0 0 0 0 0 1 1 0 0  
## 211 1 1 1 0 0 0 0 0 0 0  
## 212 1 1 1 1 1 0 1 1 1 1  
## 213 0 0 0 0 0 1 0 1 1 0  
## 214 0 0 0 0 0 0 0 0 0 0  
## 215 0 1 1 0 1 1 1 1 0 1  
## 216 1 1 1 0 0 1 1 0 1 1  
## 217 0 0 0 0 0 0 0 0 0 0  
## 218 0 0 0 0 0 0 0 0 0 0  
## 219 1 0 0 0 0 0 0 0 0 0  
## 220 0 0 0 0 0 0 0 0 0 0  
## 221 0 0 0 0 1 0 0 0 0 0  
## 222 1 1 0 0 0 0 0 0 0 0  
## 223 1 1 1 1 1 0 1 1 1 1  
## 224 1 1 1 0 1 0 0 0 0 0  
## 225 0 0 0 0 0 0 0 0 0 0  
## 226 0 0 0 0 0 0 0 0 0 0  
## 227 0 0 0 0 0 0 0 0 0 0  
## 228 1 1 1 0 1 1 1 1 1 0  
## 229 1 0 1 0 0 0 1 1 1 0  
## 230 1 1 1 1 1 1 1 1 1 1  
## 231 1 1 1 0 0 0 1 0 0 0  
## 232 0 0 0 0 0 0 0 0 0 0  
## 233 0 0 0 0 0 0 0 0 0 0  
## 234 0 0 0 0 0 0 0 0 0 0  
## 235 0 0 0 0 0 0 0 0 0 0  
## 236 1 0 0 0 0 0 0 0 0 0  
## 237 0 0 0 0 0 0 0 0 0 0  
## 238 0 0 1 0 0 0 0 0 0 0  
## 239 0 0 0 0 0 0 0 0 0 0  
## 240 0 0 0 0 0 0 0 0 0 0  
## 241 0 0 0 0 0 0 0 0 0 0  
## 242 0 0 0 0 0 0 0 0 0 0  
## 243 1 0 1 0 0 0 0 0 0 0  
## 244 0 0 0 0 0 0 0 0 0 0  
## 245 0 0 0 0 0 0 0 0 0 0  
## 246 0 0 0 0 0 0 0 0 0 0  
## 247 1 0 1 0 1 1 1 1 1 0  
## 248 1 1 1 1 1 1 1 1 1 1  
## 249 0 0 0 0 0 0 0 0 0 0  
## 250 1 1 1 0 1 1 1 1 1 1  
## 251 0 0 0 0 0 0 0 0 0 0  
## 252 0 0 0 0 0 0 0 0 0 0  
## 253 0 0 0 0 0 0 0 0 0 0  
## 254 1 0 1 0 0 0 1 0 0 0  
## 255 0 0 0 0 0 0 0 0 0 0  
## 256 1 1 1 1 1 0 1 1 1 0  
## 257 0 0 0 0 0 0 0 0 0 0  
## 258 0 0 0 0 0 0 0 0 0 0  
## 259 0 0 0 0 0 0 0 0 0 0  
## 260 0 0 0 0 0 0 0 0 0 0  
## 261 1 0 0 0 0 0 1 0 0 0  
## 262 0 0 0 0 0 0 0 0 0 0  
## 263 0 0 0 0 0 0 0 0 0 0  
## 264 1 1 1 1 0 0 0 0 0 0  
## 265 0 0 0 0 0 0 0 0 0 0  
## 266 0 0 0 0 0 0 0 0 0 0  
## 267 0 0 0 0 0 0 0 0 0 0  
## 268 0 0 0 0 0 0 0 0 0 0  
## 269 1 0 0 0 0 0 1 0 0 0  
## 270 0 0 0 0 0 0 0 0 0 0  
## 271 0 0 0 0 0 0 0 0 0 0  
## 272 1 0 0 0 0 0 0 0 0 0  
## 273 0 0 0 0 0 0 0 0 0 0  
## 274 0 0 0 0 0 0 0 0 0 0  
## 275 1 0 0 0 0 0 0 0 0 0  
## 276 1 0 0 0 0 0 0 0 0 0  
## 277 1 0 0 1 0 0 0 1 1 1  
## 278 1 1 1 0 1 1 1 1 1 0  
## 279 0 0 0 0 0 0 1 1 0 0  
## 280 0 0 0 0 0 0 0 0 0 0  
## 281 0 0 0 0 0 0 0 0 0 0  
## 282 1 0 1 0 0 0 1 0 1 0  
## 283 1 0 1 1 0 0 1 0 0 0  
## 284 0 0 0 0 0 0 0 0 0 0  
## 285 1 0 0 0 0 0 1 0 0 0  
## 286 0 0 0 0 0 0 0 0 0 0  
## 287 0 0 0 0 0 0 0 0 0 0  
## 288 0 0 0 0 0 0 0 0 0 0  
## 289 0 0 0 0 0 0 0 0 0 0  
## 290 0 0 0 0 0 0 0 0 0 0  
## 291 1 0 0 0 0 0 1 0 1 0  
## 292 0 0 0 0 0 0 0 0 0 0  
## 293 0 0 0 0 0 0 0 0 0 0  
## 294 0 0 0 0 0 0 0 0 0 0  
## 295 0 0 0 0 0 0 0 0 0 0  
## 296 0 0 0 0 0 0 0 0 0 0  
## 297 0 0 0 0 0 0 0 0 0 0  
## 298 0 0 0 0 0 0 0 0 0 0  
## 299 1 0 0 1 0 0 1 0 1 0  
## 300 1 1 1 0 0 0 0 0 0 0  
## 301 1 0 1 0 0 1 0 0 0 0  
## 302 0 0 0 0 0 0 0 0 0 0  
## 303 0 0 0 0 0 0 0 0 0 0  
## 304 0 0 0 0 0 0 0 0 0 0  
## 305 0 0 0 0 0 0 0 0 0 0  
## 306 0 0 0 0 0 0 0 0 0 0  
## 307 0 0 0 0 0 0 0 0 0 0  
## 308 0 0 0 0 0 0 0 0 0 0  
## 309 0 0 0 0 0 0 0 0 0 0  
## 310 0 0 0 0 0 0 0 0 0 0  
## 311 0 0 0 0 0 0 0 0 0 0  
## 312 0 0 0 0 0 0 0 0 0 0  
## 313 1 0 1 1 1 0 1 1 1 0  
## 314 0 0 0 0 0 0 0 0 0 0  
## 315 0 0 0 0 0 0 0 0 0 0  
## 316 0 0 0 0 0 0 0 0 0 0  
## 317 0 0 0 0 0 0 0 0 0 0  
## 318 0 0 0 0 0 0 0 0 0 0  
## 319 0 0 0 0 0 0 0 0 0 0  
## 320 0 0 1 0 0 0 0 0 0 0  
## 321 1 1 1 1 1 1 1 1 1 1  
## 322 0 0 0 0 0 0 0 0 0 0  
## 323 0 0 0 0 0 0 0 0 0 0  
## 324 1 0 0 0 0 0 0 0 0 0  
## 325 0 0 0 0 0 0 0 0 0 0  
## 326 0 0 0 0 0 0 0 0 0 0  
## 327 1 1 1 1 0 0 0 0 0 0  
## 328 0 0 0 0 0 0 0 0 0 0  
## 329 1 1 1 1 1 1 1 1 1 1  
## 330 0 0 0 0 0 0 0 0 0 0  
## 331 0 0 0 0 0 0 0 0 0 0  
## 332 1 0 0 0 0 0 0 0 0 0  
## 333 1 1 1 0 1 0 1 1 1 0  
## 334 0 0 0 0 0 0 0 0 0 0  
## 335 1 0 1 0 0 0 1 0 1 0  
## 336 0 0 0 0 0 0 0 0 0 0  
## 337 1 0 0 0 0 0 1 0 0 0  
## 338 0 0 0 0 0 0 0 0 0 0  
## 339 0 0 0 0 0 0 0 0 0 0  
## 340 1 0 0 0 0 0 0 0 0 0  
## 341 0 0 0 0 0 0 0 0 0 0  
## 342 1 1 1 1 1 1 0 0 0 0  
## 343 0 0 0 0 0 0 0 0 0 0  
## 344 0 0 0 0 0 0 0 0 0 0  
## 345 0 0 0 0 0 0 0 0 0 0  
## 346 0 0 0 0 0 0 0 0 0 0  
## 347 0 0 0 0 0 0 0 0 0 0  
## 348 1 0 0 1 0 1 0 0 0 0  
## 349 0 0 0 0 0 0 0 0 0 0  
## 350 1 1 1 1 1 1 1 1 1 1  
## 351 0 0 1 0 0 0 0 0 0 0  
## 352 0 0 0 0 0 0 0 0 0 0  
## 353 0 0 0 0 0 0 0 0 0 0  
## 354 1 1 1 1 1 1 1 1 1 1  
## 355 1 0 1 0 0 0 1 0 0 0  
## 356 0 0 1 0 0 1 0 0 0 0  
## 357 1 0 0 0 0 0 1 0 0 0  
## 358 1 0 1 0 0 1 0 0 0 0  
## 359 0 0 0 0 0 0 0 0 0 0  
## 360 0 0 0 0 0 0 0 0 0 0  
## 361 1 0 0 0 0 0 0 0 0 0  
## 362 1 0 1 1 1 1 1 1 1 1  
## 363 0 0 0 0 0 0 0 0 0 0  
## 364 0 0 0 0 0 0 0 0 0 0  
## 365 0 0 0 0 0 0 0 0 0 0  
## 366 0 0 0 0 0 0 0 0 0 0  
## 367 0 0 0 0 0 0 0 0 0 0  
## 368 0 0 1 0 0 0 0 0 0 0  
## 369 0 0 0 0 0 0 0 0 0 0  
## 370 0 0 0 0 0 0 0 0 0 0  
## 371 0 0 0 0 0 0 0 0 0 0  
## 372 0 0 0 0 0 0 0 0 0 0  
## 373 1 0 0 0 0 0 0 0 0 0  
## 374 0 0 0 0 0 0 0 0 0 0  
## 375 0 0 0 0 0 0 0 1 1 0  
## 376 1 1 1 0 1 1 0 0 0 0  
## 377 1 1 0 0 0 0 1 0 0 0  
## 378 1 1 1 1 1 1 1 1 1 1  
## 379 1 0 0 1 0 0 1 0 0 0  
## 380 1 0 0 0 1 0 1 1 1 0  
## 381 1 0 1 1 1 1 1 1 1 1  
## 382 0 0 0 0 0 0 0 0 0 0  
## 383 0 0 0 0 0 0 0 0 0 0  
## 384 0 0 0 0 0 0 0 0 0 0  
## 385 1 1 1 1 1 0 1 1 1 1  
## 386 1 1 1 1 1 1 1 1 1 1  
## 387 1 0 1 1 0 0 1 1 1 0  
## 388 0 0 0 0 0 0 0 0 0 0  
## 389 0 0 0 0 0 0 0 0 0 0  
## 390 1 0 1 0 0 0 1 1 0 0  
## 391 0 0 0 0 0 0 0 0 0 0  
## 392 1 0 0 0 0 0 0 0 0 0  
## 393 1 0 1 0 0 0 1 0 0 0  
## 394 0 0 0 1 0 0 0 0 0 0  
## 395 0 0 0 0 0 0 0 0 0 0  
## 396 0 0 0 0 0 0 0 0 0 0  
## 397 0 0 0 0 0 0 0 0 0 0  
## 398 0 0 0 0 0 0 1 0 0 0  
## 399 0 0 0 1 0 0 0 0 0 0  
## 400 0 0 0 0 0 0 0 0 0 0  
## 401 0 0 0 0 0 0 0 0 0 0  
## 402 1 0 1 1 0 0 1 1 1 1  
## 403 0 0 0 0 0 0 0 0 0 0  
## 404 0 0 0 0 0 0 0 0 0 0  
## 405 1 0 1 0 0 0 0 0 0 0  
## 406 1 1 1 0 1 0 1 0 0 0  
## 407 0 0 0 0 0 0 0 0 0 0  
## 408 0 0 0 0 0 0 0 0 0 0  
## 409 0 0 0 0 0 0 0 0 0 0  
## 410 1 1 1 1 1 1 1 1 1 0  
## 411 0 0 0 0 0 0 0 0 0 0  
## 412 1 1 0 0 1 0 1 1 1 1  
## 413 0 0 0 0 0 0 0 0 0 0  
## 414 0 1 1 1 1 1 1 1 0 0  
## 415 0 0 0 0 0 0 0 0 0 0  
## 416 1 0 0 0 0 0 1 1 1 0  
## 417 0 0 0 0 0 0 0 0 0 0  
## 418 0 0 0 0 0 0 0 0 0 0  
## 419 0 0 0 0 0 0 0 0 0 0  
## 420 0 0 0 0 0 0 0 0 0 0  
## 421 0 0 0 0 0 0 0 0 0 0  
## 422 0 0 0 0 0 0 0 0 0 0  
## 423 0 0 0 0 0 0 0 0 0 0  
## 424 1 0 0 0 0 1 1 1 1 0  
## 425 0 0 0 0 0 0 0 0 0 0  
## 426 0 0 0 0 0 0 0 0 0 0  
## 427 1 1 1 1 1 1 1 1 1 1  
## 428 1 0 1 0 0 0 0 0 1 0  
## 429 0 0 0 0 0 0 0 0 0 0  
## 430 1 0 0 0 0 0 0 0 0 0  
## 431 0 0 1 0 0 0 0 0 1 0  
## 432 1 1 1 1 1 0 1 0 0 0  
## 433 1 1 1 0 1 1 1 1 1 0  
## 434 0 0 0 0 0 0 0 0 0 0  
## 435 0 0 0 0 0 0 0 0 0 0  
## 436 0 0 0 0 0 0 1 0 0 0  
## 437 0 1 1 1 0 1 0 0 0 0  
## 438 0 0 0 0 0 0 0 0 0 0  
## 439 1 1 1 1 1 1 1 1 1 1  
## 440 0 1 1 0 0 1 1 1 0 0  
## 441 0 0 0 0 0 0 0 0 0 0  
## 442 0 0 0 0 0 0 0 0 0 0  
## 443 1 1 1 1 0 0 1 0 0 0  
## 444 1 0 1 0 0 0 0 0 0 0  
## 445 0 0 0 0 0 0 0 0 0 0  
## 446 0 0 0 0 0 0 0 0 0 0  
## 447 1 0 1 1 1 1 1 1 1 1  
## 448 0 0 0 0 0 0 0 0 0 0  
## 449 1 1 1 0 1 1 0 0 0 0  
## 450 0 0 0 0 0 0 0 0 0 0  
## 451 1 1 1 1 1 1 1 1 1 1  
## 452 0 0 0 0 0 0 0 0 0 0  
## 453 0 0 0 0 0 0 0 0 0 0  
## 454 0 0 0 0 0 0 0 0 0 0  
## 455 1 0 0 0 0 0 0 0 0 0  
## 456 0 0 0 0 0 0 0 0 0 0  
## 457 0 0 0 0 0 0 0 0 0 0  
## 458 1 1 0 0 1 0 1 1 0 0  
## 459 1 1 1 1 1 1 0 1 1 0  
## 460 1 0 0 0 0 0 1 1 0 0  
## 461 1 1 1 0 0 0 1 0 0 0  
## 462 0 0 0 0 0 0 0 0 0 0  
## 463 0 0 0 0 0 0 0 0 0 0  
## 464 0 0 0 0 0 0 0 0 0 0  
## 465 1 0 0 0 0 0 1 0 0 0  
## 466 0 0 0 0 0 0 0 0 0 0  
## 467 1 1 1 1 1 1 1 1 1 1  
## 468 0 0 0 0 0 0 0 0 0 0  
## 469 0 0 0 0 0 0 0 0 0 0  
## 470 1 0 0 0 0 0 1 0 0 1  
## 471 0 0 0 0 0 0 0 0 0 0  
## 472 0 0 0 0 0 0 0 0 0 0  
## 473 0 0 0 0 0 0 0 0 0 0  
## 474 0 0 0 0 0 0 0 0 0 0  
## 475 0 0 0 0 0 0 0 0 0 0  
## 476 0 0 0 0 0 0 0 0 0 0  
## 477 0 0 0 0 0 0 0 0 0 0  
## 478 0 0 0 0 0 0 0 0 0 0  
## 479 0 0 0 0 0 0 0 0 0 0  
## 480 1 1 1 1 1 1 0 0 0 0  
## 481 0 0 0 0 0 0 0 0 0 0  
## 482 0 0 0 0 0 0 0 0 0 0  
## 483 0 0 0 0 0 0 0 0 0 0  
## 484 0 0 0 0 0 0 0 0 0 0  
## 485 0 0 0 1 0 0 0 0 0 0  
## 486 0 0 0 0 0 0 0 0 0 0  
## 487 0 0 0 0 0 0 0 0 0 0  
## 488 0 0 0 0 0 0 0 0 0 0  
## 489 1 0 1 0 0 0 0 0 0 0  
## 490 0 0 0 0 0 0 0 0 0 0  
## 491 1 1 1 1 1 0 1 1 1 1  
## 492 0 0 0 0 0 0 0 0 0 0  
## 493 1 0 1 0 0 0 0 0 0 0  
## 494 0 0 0 1 0 0 1 1 1 0  
## 495 1 0 0 0 0 0 1 0 0 0  
## 496 1 0 0 0 0 0 1 0 0 0  
## 497 1 0 0 0 0 0 0 0 0 0  
## 498 0 0 0 0 0 0 0 0 0 0  
## 499 1 1 1 0 1 0 1 1 1 1  
## 500 1 1 1 1 1 1 1 1 1 1  
## 501 1 1 1 1 1 1 1 1 1 1  
## 502 0 1 1 1 0 0 0 0 0 0  
## 503 0 0 0 0 0 0 0 0 0 0  
## 504 0 0 0 0 0 0 0 0 0 0  
## 505 0 0 0 0 0 0 0 0 0 0  
## 506 0 0 1 0 0 0 1 0 0 0  
## 507 1 1 1 0 1 0 1 1 1 1  
## 508 0 0 0 0 0 0 0 0 0 0  
## 509 0 0 0 0 0 0 0 0 0 0  
## 510 0 0 0 0 0 0 0 0 0 0  
## 511 0 0 0 0 0 0 0 0 0 0  
## 512 0 0 0 0 0 0 0 0 0 0  
## 513 0 0 0 0 0 0 0 0 0 0  
## 514 0 0 0 0 0 0 0 0 0 0  
## 515 0 0 0 0 0 0 0 0 0 0  
## 516 1 1 1 0 1 0 1 1 1 1  
## 517 1 0 0 0 0 0 0 0 0 0  
## 518 0 0 0 0 0 0 0 0 0 0  
## 519 1 0 1 0 0 0 0 0 0 0  
## 520 0 0 0 0 0 0 0 0 0 0  
## 521 0 0 0 1 0 0 1 0 0 0  
## 522 1 0 1 1 0 0 1 1 1 0  
## 523 0 0 0 0 0 0 0 0 0 0  
## 524 1 0 1 1 0 0 1 1 1 0  
## 525 1 0 0 0 0 0 0 0 0 0  
## 526 0 0 0 0 0 0 0 0 0 0  
## 527 0 0 0 0 0 0 0 0 0 0  
## 528 1 1 1 1 0 1 1 1 1 0  
## 529 1 0 0 0 0 0 1 0 0 0  
## 530 0 0 0 0 0 0 0 0 0 0  
## 531 0 0 0 0 0 0 0 0 0 0  
## 532 1 0 0 0 0 0 1 1 1 0  
## 533 1 0 0 0 0 0 0 0 0 0  
## 534 0 0 0 0 0 0 0 0 1 0  
## 535 0 0 0 0 0 0 0 0 0 0  
## 536 0 0 1 1 0 0 0 0 0 0  
## 537 0 0 0 0 0 0 0 0 0 0  
## 538 1 1 1 1 0 0 1 1 0 0  
## 539 1 0 1 1 1 0 1 1 1 0  
## 540 0 0 0 0 0 0 0 0 0 0  
## 541 0 0 0 0 0 0 0 0 0 0  
## 542 1 1 1 0 1 1 1 0 0 0  
## 543 0 0 0 0 0 0 0 0 0 0  
## 544 1 1 1 1 1 1 1 1 1 1  
## 545 0 0 0 0 0 0 0 0 0 0  
## 546 0 0 0 0 0 0 0 0 0 0  
## 547 1 1 1 1 1 1 1 1 1 1  
## 548 0 0 0 0 0 0 0 0 0 0  
## 549 0 0 0 0 0 0 0 0 0 0  
## 550 1 0 0 0 0 0 0 0 0 0  
## 551 1 1 0 0 0 1 1 0 1 0  
## 552 0 0 0 0 0 0 0 0 0 0  
## 553 0 0 0 0 0 0 0 0 0 0  
## 554 0 0 0 0 0 0 1 0 0 0  
## 555 0 0 0 0 0 0 0 0 0 0  
## 556 0 0 0 0 0 0 0 0 0 0  
## 557 1 0 0 0 0 0 1 0 0 0  
## 558 0 0 0 0 0 0 0 0 0 0  
## 559 0 0 1 0 0 0 1 1 0 0  
## 560 1 1 1 1 1 1 0 0 0 0  
## 561 0 0 0 0 0 0 0 0 0 0  
## 562 0 0 0 0 0 0 0 0 0 0  
## 563 0 0 0 0 0 0 0 0 0 0  
## 564 0 0 0 0 0 0 0 0 0 0  
## 565 0 0 0 0 0 0 0 0 0 0  
## 566 1 1 1 0 1 0 1 1 1 0  
## 567 0 0 0 0 0 0 0 0 0 0  
## 568 1 0 0 0 1 0 0 0 0 0  
## 569 0 0 0 0 0 0 1 1 1 0  
## 570 0 0 0 0 0 0 0 0 0 0  
## 571 0 0 0 0 0 0 0 0 0 0  
## 572 0 0 0 0 0 0 0 0 0 0  
## 573 0 0 0 0 0 0 0 0 0 0  
## 574 0 0 0 0 0 0 0 0 0 0  
## 575 1 0 0 0 0 0 0 0 0 0  
## 576 0 0 0 0 0 0 0 0 0 0  
## 577 1 0 1 0 0 0 1 1 1 0  
## 578 0 1 1 1 1 0 0 0 0 0  
## 579 0 0 0 0 0 0 0 0 0 0  
## 580 0 0 0 0 0 0 0 0 0 0  
## 581 0 0 0 0 0 0 0 0 0 0  
## 582 1 1 1 1 0 0 1 1 0 0  
## 583 0 0 0 0 0 0 0 0 0 0  
## 584 1 0 0 1 1 1 1 1 0 0  
## 585 0 0 0 0 0 0 0 0 0 0  
## 586 1 0 0 0 0 1 0 0 0 1  
## 587 1 0 0 0 0 0 0 0 0 0  
## 588 0 0 0 0 0 0 0 0 0 0  
## 589 1 0 1 0 0 0 1 1 0 0  
## 590 0 0 0 0 0 0 0 0 0 0  
## 591 0 0 1 1 1 0 1 1 1 1  
## 592 1 0 0 0 0 0 1 0 0 0  
## 593 1 0 1 0 0 0 1 1 1 0  
## 594 0 0 1 0 0 0 0 0 0 0  
## 595 0 0 0 0 0 0 0 0 0 0  
## 596 1 1 1 0 1 0 0 0 0 0  
## 597 1 1 1 1 1 1 1 1 1 1  
## 598 0 0 0 0 0 0 0 0 0 0  
## 599 1 1 1 1 1 1 1 1 1 1  
## 600 1 1 1 1 1 1 1 1 1 1  
## 601 1 1 1 0 1 0 1 1 1 0  
## 602 0 0 0 0 0 0 1 0 0 1  
## 603 1 0 1 0 1 0 1 1 1 0  
## 604 0 0 0 0 0 0 0 0 0 0  
## 605 1 0 0 0 0 0 1 0 0 0  
## 606 1 1 0 0 1 1 0 1 0 1  
## 607 0 0 0 0 0 0 0 0 0 0  
## 608 0 0 0 0 0 0 0 0 0 0  
## 609 0 0 0 0 0 0 0 0 0 0  
## 610 0 0 0 0 0 0 0 0 0 0  
## 611 1 1 1 1 1 1 1 1 1 1  
## 612 0 0 0 0 0 0 0 0 0 0  
## 613 0 0 0 0 0 0 0 0 0 0  
## 614 0 0 0 0 0 0 0 0 0 0  
## 615 1 1 1 1 1 1 1 1 1 1  
## 616 0 0 0 0 0 0 0 0 0 0  
## 617 0 0 0 0 0 0 0 0 0 0  
## 618 0 0 0 0 0 0 0 0 0 0  
## 619 1 0 1 1 0 0 0 0 0 0  
## 620 0 0 1 1 0 0 0 0 0 0  
## 621 1 0 1 0 0 0 0 0 1 0  
## 622 1 1 1 0 1 1 0 1 1 1  
## 623 0 0 0 0 0 0 0 0 0 0  
## 624 0 0 0 0 0 0 0 0 0 0  
## 625 0 0 0 0 0 0 0 0 0 0  
## 626 1 1 1 1 1 0 1 1 1 0  
## 627 0 0 1 0 0 0 0 0 1 0  
## 628 0 0 0 0 0 0 0 0 0 0  
## 629 0 0 0 0 0 0 0 0 0 0  
## 630 1 1 1 1 1 0 0 0 0 0  
## 631 1 1 1 1 0 1 0 0 0 0  
## 632 0 0 0 0 0 0 0 0 0 0  
## 633 0 0 0 0 0 0 0 0 0 0  
## 634 0 0 0 0 0 0 0 0 0 0  
## 635 1 1 1 0 1 0 0 0 0 0  
## 636 0 0 0 0 0 0 0 0 0 0  
## 637 0 0 0 0 0 0 0 0 0 0  
## 638 0 0 0 0 0 0 0 0 0 0  
## 639 1 0 0 1 0 0 1 0 0 0  
## 640 0 0 0 0 0 0 0 0 0 0  
## 641 0 0 0 0 0 0 0 0 0 0  
## 642 0 0 0 0 0 0 0 0 0 0  
## 643 0 0 0 0 0 0 0 0 0 0  
## 644 0 0 1 0 0 0 0 0 0 0  
## 645 0 0 0 0 0 0 0 0 0 0  
## 646 0 0 0 0 1 1 1 0 0 0  
## 647 1 0 1 1 1 0 1 0 0 0  
## 648 1 0 0 0 0 0 0 0 0 0  
## 649 0 0 0 0 0 0 0 0 0 0  
## 650 0 0 0 0 0 0 0 0 0 0  
## 651 0 0 0 0 0 0 0 0 0 0  
## 652 1 1 1 1 1 1 1 1 1 0  
## 653 0 0 0 0 0 0 0 0 0 0  
## 654 1 0 0 0 0 0 0 0 0 0  
## 655 1 1 1 0 0 0 1 0 0 0  
## 656 1 0 1 0 0 1 1 1 1 0  
## 657 1 0 1 1 1 1 0 0 0 0  
## 658 1 0 1 0 0 0 1 0 0 0  
## 659 1 1 1 1 0 0 0 0 0 0  
## 660 1 0 0 0 0 1 0 0 0 0  
## 661 0 0 0 0 0 0 0 0 0 0  
## 662 1 0 1 0 0 0 1 1 0 0  
## 663 0 0 0 0 0 0 0 0 0 0  
## 664 0 0 0 0 0 0 0 0 0 0  
## 665 0 0 0 0 0 0 0 0 0 0  
## 666 0 0 0 0 0 0 0 0 0 0  
## 667 0 0 0 0 0 0 0 0 0 0  
## 668 0 0 0 0 0 0 0 0 0 0  
## 669 0 0 0 0 0 0 0 0 0 0  
## 670 0 0 0 0 0 0 0 0 0 0  
## 671 0 0 0 0 0 0 0 0 0 0  
## 672 0 0 0 0 0 0 1 0 0 0  
## 673 0 0 0 0 0 0 0 0 0 0  
## 674 0 0 0 0 0 0 0 0 0 0  
## 675 1 1 1 1 1 0 0 0 0 0  
## 676 1 1 1 1 1 1 0 0 0 1  
## 677 1 0 0 0 0 0 0 0 0 0  
## 678 0 0 0 0 0 0 0 0 0 0  
## 679 1 0 0 0 0 0 0 0 0 0  
## 680 0 0 0 0 0 0 0 0 0 0  
## 681 1 0 1 1 0 1 1 1 1 0  
## 682 0 0 0 0 0 0 0 0 0 0  
## 683 0 0 0 0 0 0 0 0 0 0  
## 684 1 0 1 0 1 1 1 1 1 0  
## 685 1 0 1 0 0 0 0 0 0 0  
## 686 0 0 0 0 0 0 0 0 0 0  
## 687 0 0 0 0 0 0 0 0 0 0  
## 688 0 0 0 0 0 0 0 0 0 0  
## 689 1 0 0 0 0 0 0 0 0 0  
## 690 0 0 0 0 0 0 0 0 0 0  
## 691 0 1 1 0 1 1 0 1 0 0  
## 692 1 0 1 0 0 0 1 1 1 1  
## 693 0 0 0 0 0 0 0 0 0 0  
## 694 0 0 0 0 0 0 0 0 0 0  
## 695 0 0 0 0 0 0 0 0 0 0  
## 696 0 0 0 0 0 0 0 0 0 0  
## 697 0 0 0 0 0 0 0 0 0 0  
## 698 1 0 0 0 0 0 0 0 0 0  
## 699 1 0 1 0 0 0 0 0 0 0  
## 700 0 0 0 0 0 0 0 0 0 0  
## 701 0 0 0 0 0 0 0 0 0 0  
## 702 0 0 0 0 0 0 0 0 0 0  
## 703 1 1 1 1 1 1 1 1 1 1  
## 704 0 0 0 0 0 0 0 0 0 0  
## 705 0 0 1 0 0 0 0 0 0 0  
## 706 0 0 0 0 0 0 0 0 0 0  
## 707 0 0 0 0 0 0 0 0 0 0  
## 708 0 0 0 0 0 0 0 0 0 0  
## 709 0 0 0 0 0 0 0 0 0 0  
## 710 1 1 1 0 0 0 1 1 0 0  
## 711 1 1 1 1 1 1 1 1 1 0  
## 712 1 1 1 1 1 1 1 1 1 1  
## 713 1 1 1 0 0 0 0 0 0 0  
## 714 1 1 1 1 1 0 0 0 0 0  
## 715 0 0 0 0 0 0 0 0 0 0  
## 716 0 0 0 0 0 0 0 0 0 0  
## 717 1 1 1 1 1 0 1 0 1 1  
## 718 0 0 0 0 0 0 0 0 0 0  
## 719 0 0 1 0 0 0 0 0 0 0  
## 720 0 0 0 0 0 0 0 0 0 0  
## 721 0 0 0 0 0 0 0 0 0 0  
## 722 1 1 1 1 1 1 1 1 1 1  
## 723 1 0 0 0 0 0 0 0 0 0  
## 724 0 0 0 0 0 0 0 0 0 0  
## 725 0 0 0 0 0 0 1 1 0 0  
## 726 0 0 0 0 0 0 0 0 0 0  
## 727 1 1 1 0 1 0 1 1 1 1  
## 728 1 0 1 0 1 0 0 0 0 0  
## 729 1 1 1 1 1 1 1 1 1 1  
## 730 1 1 1 0 0 0 1 1 1 0  
## 731 0 0 0 0 0 0 0 0 0 0  
## 732 0 0 1 0 0 0 0 0 0 0  
## 733 0 1 1 0 0 0 0 0 0 0  
## 734 1 1 1 0 1 0 0 0 0 1  
## 735 1 0 0 0 0 0 1 1 0 0  
## 736 1 1 1 0 0 0 0 0 0 0  
## 737 1 0 0 0 0 0 1 0 0 0  
## 738 0 0 0 0 0 0 0 0 0 0  
## 739 0 0 0 0 0 0 1 1 1 1  
## 740 0 0 0 0 0 0 1 0 0 0  
## 741 0 0 0 0 0 0 0 0 0 0  
## 742 0 0 0 0 0 0 1 0 0 0  
## 743 0 0 0 0 0 0 0 0 0 0  
## 744 1 1 1 1 1 1 1 1 1 1  
## 745 1 1 1 0 0 0 1 0 0 0  
## 746 1 0 0 0 0 0 1 0 0 0  
## 747 0 0 0 0 0 0 0 0 0 0  
## 748 1 1 1 0 1 0 0 0 0 0  
## 749 0 0 1 0 0 0 0 0 0 0  
## 750 0 0 0 0 0 0 0 0 0 0  
## 751 1 0 1 0 0 0 0 0 0 0  
## 752 0 0 0 0 0 0 0 0 0 0  
## 753 0 0 0 0 0 0 0 0 0 0  
## 754 0 0 0 0 0 0 0 0 0 0  
## 755 0 0 0 0 0 0 0 0 0 0  
## 756 1 0 1 0 0 0 0 0 0 0  
## 757 0 0 0 0 0 0 0 0 0 0  
## 758 0 0 0 0 0 0 0 0 0 0  
## 759 0 0 0 0 0 0 0 0 0 0  
## 760 0 0 0 0 0 0 0 0 0 0  
## 761 0 0 0 0 0 0 0 0 0 0  
## 762 1 0 1 0 0 0 1 0 0 0  
## 763 0 0 0 0 0 0 0 0 0 0  
## 764 0 1 0 0 0 0 0 0 0 0  
## 765 0 0 0 0 0 0 0 0 0 0  
## 766 0 0 0 0 0 0 0 0 0 0  
## 767 0 0 0 0 0 0 0 0 0 0  
## 768 1 1 1 1 1 1 0 0 0 0  
## 769 0 0 0 0 0 0 0 0 0 0  
## 770 0 0 0 0 0 0 0 0 0 0  
## 771 0 0 0 0 0 0 0 0 0 0  
## 772 1 1 1 1 1 1 1 1 1 0  
## 773 1 0 1 0 0 0 0 0 0 0  
## 774 0 0 0 0 0 0 0 0 0 0  
## 775 0 0 0 0 0 0 0 0 0 0  
## 776 0 0 0 0 0 0 0 0 0 0  
## 777 0 0 0 0 0 0 0 0 0 0  
## 778 0 0 0 0 0 0 0 0 0 0  
## 779 0 0 0 0 1 1 0 0 0 0  
## 780 1 0 1 0 1 0 1 1 1 1  
## 781 0 0 0 0 0 0 0 0 0 0  
## 782 0 0 0 0 0 0 0 0 0 0  
## 783 1 1 1 1 0 0 0 0 0 0  
## 784 0 0 0 0 0 0 0 0 0 0  
## 785 0 0 0 0 0 0 0 0 0 0  
## 786 0 0 0 0 0 0 0 0 0 0  
## 787 0 0 0 0 0 0 0 0 0 0  
## 788 1 1 0 0 0 0 1 1 1 1  
## 789 1 1 1 1 1 1 1 1 1 1  
## 790 0 0 0 0 0 0 0 0 0 0  
## 791 0 0 0 0 0 0 0 0 0 0  
## 792 0 0 0 0 0 0 0 0 0 0  
## 793 1 0 0 0 0 0 1 0 0 0  
## 794 0 0 0 0 0 0 0 0 0 0  
## 795 0 0 0 0 0 0 0 0 0 0  
## 796 0 0 0 0 0 0 0 0 0 0  
## 797 1 1 1 0 1 0 0 0 0 0  
## 798 1 0 0 0 1 0 1 1 1 1  
## 799 0 0 0 0 0 0 0 0 0 0  
## 800 0 0 0 0 0 0 0 0 0 0  
## 801 1 1 1 1 0 0 1 1 1 1  
## 802 1 1 1 0 1 0 1 1 1 0  
## 803 0 0 0 0 0 0 0 0 0 0  
## 804 0 0 0 0 0 0 0 0 0 0  
## 805 0 0 0 0 0 0 0 0 0 0  
## 806 1 1 1 0 1 1 1 1 1 1  
## 807 0 0 0 0 0 0 0 0 0 0  
## 808 0 0 0 0 0 0 0 0 0 0  
## 809 0 0 0 0 0 0 0 0 0 0  
## 810 0 0 0 0 0 0 0 0 0 0  
## 811 1 0 0 0 1 1 1 1 1 0  
## 812 1 0 0 0 0 0 0 0 0 0  
## 813 1 1 1 1 1 1 1 1 1 1  
## 814 0 0 0 0 0 0 0 0 0 0  
## 815 0 0 0 0 0 0 0 0 0 0  
## 816 0 0 0 0 0 0 0 0 0 0  
## 817 0 0 0 0 0 0 0 0 0 0  
## 818 0 0 0 0 0 0 0 0 0 0  
## 819 0 0 0 0 0 0 0 0 0 0  
## 820 1 0 1 0 0 0 0 0 0 0  
## 821 1 0 1 0 0 1 0 0 0 0  
## 822 0 0 0 0 0 0 0 0 0 0  
## 823 1 0 0 0 0 0 0 0 0 0  
## 824 1 0 0 0 0 0 0 0 0 0  
## 825 0 0 1 0 1 1 1 1 1 1  
## 826 1 0 0 0 0 0 0 0 0 0  
## 827 0 0 0 0 0 0 0 0 0 0  
## 828 1 1 1 1 1 0 1 1 1 0  
## 829 0 0 0 0 0 0 0 0 0 0  
## 830 0 0 0 0 0 0 0 0 0 0  
## 831 1 0 1 0 0 0 1 1 0 0  
## 832 1 0 0 0 1 0 1 0 0 0  
## 833 0 0 0 0 0 0 0 0 0 0  
## 834 0 0 0 0 0 0 0 0 0 0  
## 835 1 1 1 1 1 0 1 1 1 0  
## 836 0 0 1 0 0 0 1 0 1 0  
## 837 1 0 0 1 1 0 1 1 1 0  
## 838 0 0 0 0 0 0 0 0 0 0  
## 839 1 1 1 1 1 1 1 1 1 1  
## 840 0 0 0 0 0 0 0 0 0 0  
## 841 0 0 0 0 0 0 0 0 0 0  
## 842 0 0 0 0 0 0 0 0 0 0  
## 843 1 0 1 0 0 0 0 0 0 0  
## 844 0 0 0 0 0 0 0 0 0 0  
## 845 0 0 0 0 0 0 0 0 0 0  
## 846 1 1 1 0 1 1 1 1 1 1  
## 847 1 0 0 0 0 0 1 0 0 0  
## 848 1 0 0 0 0 0 1 0 0 0  
## 849 1 1 1 1 1 1 1 1 1 1  
## 850 0 0 0 0 0 0 0 0 0 0  
## 851 0 0 1 0 0 0 0 0 0 0  
## 852 1 1 1 1 1 1 1 1 1 0  
## 853 0 0 0 0 0 0 0 0 0 0  
## 854 0 0 0 0 0 0 0 0 0 0  
## 855 0 0 0 0 0 0 0 0 0 0  
## 856 1 0 1 0 0 1 1 0 0 0  
## 857 1 0 0 0 0 0 0 0 0 0  
## 858 0 0 0 0 0 0 0 0 0 0  
## 859 0 0 0 0 0 0 0 0 0 0  
## 860 1 1 1 1 1 1 1 1 1 1  
## 861 0 0 0 0 0 0 0 0 0 0  
## 862 1 0 0 0 0 0 1 0 0 0  
## 863 1 1 1 1 0 0 0 1 1 0  
## 864 0 0 1 1 0 0 0 0 0 0  
## 865 0 0 0 0 0 1 0 0 0 0  
## 866 0 0 0 0 0 0 0 0 0 0  
## 867 0 0 0 0 0 0 0 0 0 0  
## 868 0 0 0 0 0 0 0 0 0 0  
## 869 0 0 1 0 0 0 0 0 0 0  
## 870 0 0 0 0 0 0 0 0 0 0  
## 871 0 0 0 0 0 0 0 0 0 0  
## 872 0 0 0 0 0 0 0 0 0 0  
## 873 0 0 0 0 0 0 0 0 0 0  
## 874 0 0 0 0 0 0 0 0 0 0  
## 875 1 1 1 1 1 1 1 1 1 0  
## 876 0 0 0 0 0 0 0 0 0 0  
## 877 0 0 0 0 0 0 0 0 0 0  
## 878 0 0 0 0 0 0 0 0 0 0  
## 879 0 0 0 0 0 0 0 0 0 0  
## 880 0 0 0 0 0 0 0 0 0 0  
## 881 1 0 0 0 0 0 1 0 1 0  
## 882 0 0 0 1 0 0 0 0 0 0  
## 883 1 1 1 1 1 1 1 1 0 0  
## 884 0 0 0 0 0 0 0 0 0 0  
## 885 0 0 0 0 0 0 0 0 0 0  
## 886 0 0 0 0 0 0 0 0 0 0  
## 887 0 0 0 0 0 0 0 0 0 0  
## 888 0 0 0 0 0 0 0 0 0 0  
## 889 0 0 0 0 0 0 0 0 0 0  
## 890 0 0 0 0 0 0 0 0 0 0  
## 891 1 1 1 1 1 1 1 1 1 1  
## 892 0 0 0 0 0 0 0 0 0 0  
## 893 0 0 0 0 0 0 0 0 0 0  
## 894 1 0 0 0 1 0 1 1 1 0  
## 895 0 0 0 0 0 0 0 0 0 0  
## 896 0 0 0 0 0 0 0 0 0 0  
## 897 1 0 0 0 0 0 1 0 0 0  
## 898 0 0 1 0 0 0 0 0 0 0  
## 899 1 1 1 1 0 0 1 1 1 1  
## 900 0 0 0 0 0 0 0 0 0 0  
## 901 1 0 1 0 0 0 1 0 0 0  
## 902 1 0 1 0 0 0 1 0 1 0  
## 903 1 0 1 1 0 0 1 0 0 0  
## 904 0 0 0 0 0 0 0 0 0 0  
## 905 1 0 0 0 0 0 1 0 0 0  
## 906 0 0 0 0 0 0 0 0 0 0  
## 907 1 0 0 0 0 0 1 0 0 0  
## 908 0 0 0 0 0 0 0 0 0 0  
## 909 0 0 0 0 0 0 0 0 0 0  
## 910 1 0 0 0 0 0 1 1 1 0  
## 911 1 0 0 0 0 0 0 0 1 1  
## 912 0 0 0 0 0 0 0 0 0 0  
## 913 0 0 0 0 0 0 0 0 0 0  
## 914 1 1 1 1 1 0 0 0 0 0  
## 915 1 0 1 0 0 0 1 1 1 0  
## 916 0 1 1 0 0 0 1 1 1 0  
## 917 0 0 0 0 0 0 0 0 0 0  
## 918 1 1 1 1 1 1 1 1 1 0  
## 919 0 1 0 0 1 1 1 1 1 0  
## 920 1 1 1 1 1 0 1 1 1 1  
## 921 0 0 0 0 0 0 0 0 0 0  
## 922 0 0 0 0 0 0 0 0 0 0  
## 923 1 1 0 0 0 0 1 1 1 1  
## 924 1 0 0 1 0 0 1 1 1 0  
## 925 1 1 1 1 1 1 1 1 1 0  
## 926 0 0 0 0 0 0 0 0 0 0  
## 927 1 1 1 1 1 1 1 1 0 0  
## 928 1 1 1 1 1 1 1 1 1 1  
## 929 0 0 0 0 0 0 0 0 0 0  
## 930 1 0 0 0 0 0 0 0 0 0  
## 931 1 1 1 1 0 0 1 1 0 0  
## 932 0 0 0 0 0 0 0 0 0 0  
## 933 1 0 0 0 0 0 0 1 0 0  
## 934 0 0 0 0 0 0 0 0 0 0  
## 935 0 0 0 0 0 0 0 0 0 0  
## 936 1 0 0 1 1 0 0 0 0 0  
## 937 1 1 1 1 1 1 1 1 1 0  
## 938 0 0 0 0 0 0 0 0 0 0  
## 939 0 0 0 0 0 0 0 0 0 0  
## 940 0 0 0 0 0 0 0 0 0 0  
## 941 1 0 0 0 0 0 1 0 0 0  
## 942 1 1 1 1 1 1 1 0 0 0  
## 943 0 1 1 1 1 1 1 1 1 1  
## 944 0 0 0 0 0 0 0 0 0 0  
## 945 0 0 0 0 0 0 0 0 0 0  
## 946 0 0 0 0 0 0 0 0 0 0  
## 947 0 0 0 0 0 0 0 0 0 0  
## 948 0 0 0 0 0 0 0 0 0 0  
## 949 1 0 1 1 1 0 0 0 0 0  
## 950 0 0 0 0 0 0 0 0 0 0  
## 951 1 0 1 1 1 1 1 1 1 1  
## 952 0 0 0 0 0 1 0 0 0 0  
## 953 1 0 1 0 1 1 1 1 0 0  
## 954 0 0 0 0 0 0 0 0 0 0  
## 955 0 0 0 0 0 0 0 0 0 0  
## 956 0 0 0 0 0 0 0 0 0 0  
## 957 0 0 0 0 0 0 0 0 0 0  
## 958 0 0 0 0 0 0 0 0 0 0  
## 959 0 0 0 0 0 0 0 0 0 0  
## 960 0 0 0 0 0 0 0 0 0 0  
## 961 1 0 0 0 0 0 1 0 1 0  
## 962 0 0 0 0 0 0 0 0 0 0  
## 963 1 1 1 1 1 0 1 1 1 0  
## 964 0 0 0 0 0 0 0 0 0 0  
## 965 0 0 0 0 0 0 0 0 0 0  
## 966 0 0 0 0 0 0 0 0 0 0  
## 967 1 0 0 0 0 0 1 0 0 0  
## 968 0 0 0 0 0 0 0 0 0 0  
## 969 0 0 0 0 0 0 0 0 0 0  
## 970 0 0 0 0 0 0 0 0 0 0  
## 971 1 0 0 0 0 0 1 1 1 0  
## 972 0 0 0 0 0 0 0 0 0 0  
## 973 1 1 1 0 1 0 0 0 0 0  
## 974 0 0 0 0 0 0 0 0 0 0  
## 975 1 0 0 0 0 0 0 0 0 0  
## 976 1 0 1 0 0 0 1 1 0 0  
## 977 1 0 1 0 1 0 0 0 1 1  
## 978 0 0 0 0 0 0 0 0 0 0  
## 979 1 1 1 1 1 1 1 1 1 0  
## 980 0 0 0 0 0 0 0 0 0 0  
## 981 0 0 0 0 0 0 0 0 0 0  
## 982 0 0 0 0 0 0 0 0 0 0  
## 983 0 0 0 0 0 0 1 0 1 0  
## 984 0 0 0 0 0 0 0 0 0 0  
## 985 0 0 0 0 0 0 0 0 0 0  
## 986 0 0 0 0 0 0 0 0 0 0  
## 987 1 0 0 0 1 0 1 1 1 1  
## 988 0 0 0 0 0 0 0 0 0 0  
## 989 0 0 0 0 0 0 0 0 0 0  
## 990 1 0 1 0 1 0 1 0 0 0  
## 991 0 0 0 0 0 0 0 0 0 0  
## 992 0 0 0 0 0 0 0 0 0 0  
## 993 0 0 0 0 0 0 0 0 0 0  
## 994 0 0 0 0 0 0 0 0 0 0  
## 995 1 1 1 1 1 1 1 1 1 1  
## 996 1 0 0 1 0 0 1 0 0 0  
## 997 1 0 1 0 0 0 1 0 1 0  
## 998 0 0 0 0 0 0 0 0 0 0  
## 999 0 0 0 0 0 0 0 0 0 0  
## 1000 1 0 0 0 1 0 0 0 0 0  
## 1001 1 0 1 1 1 1 1 1 1 1  
## 1002 1 1 1 0 1 1 1 1 0 0  
## 1003 1 0 0 0 0 0 0 0 0 0  
## 1004 1 0 0 0 0 0 0 0 0 0  
## 1005 1 0 0 0 0 0 0 0 1 0  
## 1006 1 0 0 0 0 0 0 0 0 0  
## 1007 1 0 1 1 1 0 0 0 1 0  
## 1008 0 0 0 0 0 0 0 0 0 0  
## 1009 0 0 0 0 0 0 0 0 0 0  
## 1010 0 0 0 0 0 0 0 0 0 0  
## 1011 1 0 0 1 1 0 0 1 1 1  
## 1012 1 0 1 0 1 0 1 1 1 0  
## 1013 0 0 0 0 0 0 0 0 0 0  
## 1014 1 1 1 1 1 1 0 0 0 0  
## 1015 1 0 1 0 1 1 0 0 0 0  
## 1016 0 1 0 0 1 0 0 0 0 0  
## 1017 1 1 1 0 0 0 0 0 0 0  
## 1018 1 0 0 0 0 0 1 0 0 0  
## 1019 0 0 0 0 0 0 0 0 0 0  
## 1020 0 0 0 0 0 0 0 0 0 0  
## 1021 0 0 0 0 0 0 0 0 0 0  
## 1022 1 1 1 0 1 1 0 0 0 0  
## 1023 1 0 0 0 0 0 0 0 1 0  
## 1024 1 0 0 0 0 0 1 1 0 0  
## 1025 1 1 1 0 1 1 1 1 1 1  
## 1026 1 1 1 1 1 1 1 1 1 1  
## 1027 0 0 0 0 0 0 0 0 0 0  
## 1028 0 0 0 0 0 1 0 0 0 0  
## 1029 0 0 0 0 0 0 0 0 0 0  
## 1030 1 1 1 0 1 1 0 0 0 0  
## 1031 1 0 0 0 0 0 1 0 0 0  
## 1032 1 1 1 0 1 1 1 1 1 0  
## 1033 0 0 0 0 0 0 0 0 0 0  
## 1034 0 0 0 0 0 0 0 0 0 0  
## 1035 0 0 0 0 0 0 0 0 0 0  
## 1036 1 1 1 1 1 1 1 1 1 1  
## 1037 1 0 1 1 1 1 1 1 1 1  
## 1038 0 0 0 0 0 0 0 0 0 0  
## 1039 0 0 0 0 0 0 0 0 0 0  
## 1040 1 0 1 0 0 0 1 0 0 0  
## 1041 0 0 0 0 0 0 0 0 0 0  
## 1042 0 0 0 0 0 0 0 0 0 0  
## 1043 1 1 1 0 0 1 0 0 1 0  
## 1044 1 1 1 1 1 1 1 1 1 1  
## 1045 0 0 0 0 0 0 0 0 0 0  
## 1046 0 0 0 0 0 0 0 0 0 0  
## 1047 1 1 1 1 1 1 1 1 0 0  
## 1048 0 0 0 0 0 0 0 0 0 0  
## 1049 0 0 0 0 0 0 0 0 0 0  
## 1050 0 0 1 0 0 1 0 0 0 0  
## 1051 0 0 0 0 0 0 0 0 0 0  
## 1052 0 0 0 0 0 0 0 0 0 0  
## 1053 0 0 0 0 0 0 0 0 0 0  
## 1054 1 1 1 1 1 1 1 1 1 0  
## 1055 0 0 0 0 0 0 0 0 0 0  
## 1056 1 0 1 0 0 0 0 0 0 0  
## 1057 0 0 0 0 0 0 0 0 0 0  
## 1058 0 0 0 0 0 0 0 0 0 0  
## 1059 1 0 1 0 0 0 0 0 0 0  
## 1060 0 0 0 0 0 0 0 0 0 0  
## 1061 0 0 0 0 0 0 0 0 0 0  
## 1062 1 0 0 0 0 0 1 0 0 0  
## 1063 0 0 0 0 0 0 0 0 0 0  
## 1064 0 0 0 0 0 0 0 0 0 0  
## 1065 0 0 0 0 0 0 0 0 0 0  
## 1066 1 1 1 1 1 1 1 1 1 1  
## 1067 0 0 0 0 0 0 0 0 0 0  
## 1068 1 1 1 1 1 1 0 0 1 1  
## 1069 1 1 1 1 1 1 1 1 1 1  
## 1070 0 0 0 0 0 0 0 0 0 0  
## 1071 0 0 0 0 0 0 1 0 0 0  
## 1072 0 0 0 0 0 0 0 0 0 0  
## 1073 0 0 0 0 0 0 0 0 0 0  
## 1074 0 0 0 0 0 0 0 0 0 0  
## 1075 0 0 0 0 0 0 0 0 0 0  
## 1076 0 0 0 0 0 0 0 0 0 0  
## 1077 0 0 0 0 0 0 0 0 0 0  
## 1078 0 0 0 0 0 0 0 0 0 0  
## 1079 0 0 0 0 0 0 0 0 0 0  
## 1080 1 0 0 0 0 0 0 0 0 0  
## 1081 0 0 0 0 0 0 0 0 0 0  
## 1082 0 0 0 0 0 0 0 0 0 0  
## 1083 0 0 0 0 0 0 0 0 0 0  
## 1084 0 0 0 0 0 0 0 0 0 0  
## 1085 1 0 0 0 1 0 0 0 0 0  
## 1086 1 1 1 1 1 1 1 1 1 0  
## 1087 0 0 0 0 0 0 0 0 0 0  
## 1088 0 0 0 0 0 0 0 0 0 0  
## 1089 1 0 0 0 0 0 1 0 0 0  
## 1090 1 1 1 1 1 1 1 1 0 0  
## 1091 0 0 0 0 0 0 0 0 0 0  
## 1092 0 0 0 0 0 0 0 0 0 0  
## 1093 1 0 0 0 0 0 0 0 0 0  
## 1094 0 0 0 0 0 0 0 0 0 0  
## 1095 1 1 1 1 1 1 1 1 1 0  
## 1096 0 0 0 0 0 0 0 0 0 0  
## 1097 0 0 0 0 0 0 0 0 0 0  
## 1098 1 0 1 0 0 0 1 1 1 0  
## 1099 1 1 0 1 1 1 1 0 0 0  
## 1100 0 0 0 0 0 0 0 0 0 0  
## 1101 1 1 1 0 1 0 1 1 1 1  
## 1102 1 1 1 1 1 0 1 1 1 1  
## 1103 1 0 0 0 0 0 0 0 0 0  
## 1104 1 0 0 1 0 0 1 0 0 0  
## 1105 0 0 1 0 0 0 0 0 0 0  
## 1106 0 0 0 0 0 0 0 0 0 0  
## 1107 0 0 0 0 0 0 0 0 0 0  
## 1108 0 0 0 0 0 0 0 0 0 0  
## 1109 0 0 0 0 0 0 0 0 0 0  
## 1110 1 0 1 0 0 0 1 1 1 0  
## 1111 1 1 0 1 1 0 1 0 0 0  
## 1112 0 0 0 0 0 0 0 0 0 0  
## 1113 0 0 0 0 0 0 0 0 0 0  
## 1114 0 0 0 0 0 0 0 0 0 0  
## 1115 0 0 0 0 0 0 0 0 0 0  
## 1116 0 0 0 0 0 0 0 0 0 0  
## 1117 1 0 0 0 0 0 1 1 1 0  
## 1118 0 0 0 0 0 0 0 1 1 0  
## 1119 0 0 0 0 0 0 0 0 0 0  
## 1120 1 1 1 1 1 0 1 1 1 1  
## 1121 0 0 0 0 0 0 0 0 0 0  
## 1122 1 0 1 1 0 0 0 0 0 0  
## 1123 1 0 0 0 1 1 0 0 0 0  
## 1124 1 1 1 0 1 1 1 1 1 0  
## 1125 0 0 0 0 0 0 0 0 0 0  
## 1126 1 1 1 1 1 1 1 1 1 1  
## 1127 0 0 0 0 0 0 0 0 0 0  
## 1128 0 0 1 0 0 0 1 1 0 0  
## 1129 0 0 0 0 0 0 0 0 0 0  
## 1130 0 0 0 0 0 0 0 0 0 0  
## 1131 0 0 0 0 0 0 0 0 0 0  
## 1132 1 0 0 0 0 0 1 1 0 0  
## 1133 1 0 1 1 0 0 1 1 1 1  
## 1134 0 0 0 0 0 0 0 0 0 0  
## 1135 1 0 0 0 0 0 0 0 1 0  
## 1136 0 0 0 0 0 0 0 0 0 0  
## 1137 0 0 0 0 0 0 0 0 0 0  
## 1138 0 0 0 0 0 0 0 0 0 0  
## 1139 1 1 1 1 1 1 1 1 1 1  
## 1140 0 0 0 0 0 0 0 0 0 0  
## 1141 0 0 0 0 0 0 0 0 0 0  
## 1142 1 0 1 1 1 1 1 1 1 1  
## 1143 0 0 0 0 0 0 0 0 0 0  
## 1144 0 0 0 0 0 0 0 0 0 0  
## 1145 0 0 0 0 0 0 0 0 0 0  
## 1146 1 0 1 0 0 0 1 0 1 0  
## 1147 0 0 0 0 0 0 0 0 0 0  
## 1148 1 0 0 1 0 0 0 0 0 0  
## 1149 1 1 1 1 0 0 1 0 0 0  
## 1150 1 1 1 1 0 0 0 0 0 0  
## 1151 0 0 0 0 0 0 0 0 0 0  
## 1152 0 0 0 0 0 0 0 0 0 0  
## 1153 0 0 0 0 0 0 0 0 0 0  
## 1154 0 0 0 0 0 0 0 0 0 0  
## 1155 1 1 1 1 1 1 1 1 1 1  
## 1156 1 0 1 0 0 0 1 1 1 0  
## 1157 1 0 1 0 1 0 1 0 1 1  
## 1158 0 0 0 0 0 0 0 0 0 0  
## 1159 0 0 0 0 0 0 0 0 0 0  
## 1160 0 1 1 1 0 0 0 0 1 0  
## 1161 1 0 0 0 0 0 0 0 0 0  
## 1162 0 0 0 0 0 0 0 0 0 0  
## 1163 0 0 0 0 0 0 0 0 0 0  
## 1164 0 0 0 0 0 0 0 0 0 0  
## 1165 0 0 0 0 0 0 0 0 0 0  
## 1166 1 1 1 1 1 1 1 1 1 1  
## 1167 0 0 0 0 0 0 0 0 0 0  
## 1168 0 0 0 0 0 0 0 0 0 0  
## 1169 0 0 0 0 0 0 0 0 0 0  
## 1170 1 1 1 1 1 1 1 1 1 1  
## 1171 1 0 1 0 0 0 1 1 1 0  
## 1172 1 1 0 1 0 1 1 1 1 0  
## 1173 0 0 0 0 1 0 0 0 0 0  
## 1174 1 1 1 1 1 1 1 1 1 1  
## 1175 0 0 0 0 0 0 0 0 0 0  
## 1176 0 0 0 0 0 0 0 0 0 0  
## 1177 0 0 0 0 0 0 0 0 0 0  
## 1178 0 0 0 0 0 0 0 0 0 0  
## 1179 0 0 0 0 0 0 0 0 0 0  
## 1180 0 0 0 0 0 0 0 0 0 0  
## 1181 0 0 0 0 0 0 0 0 0 0  
## 1182 0 0 0 0 0 0 0 0 0 0  
## 1183 0 0 0 0 0 0 0 0 0 0  
## 1184 1 0 1 0 0 0 0 0 0 0  
## 1185 0 0 0 0 0 0 1 0 0 0  
## 1186 1 0 0 0 0 0 1 0 0 0  
## 1187 0 0 0 0 0 0 0 0 0 0  
## 1188 1 0 0 0 0 0 1 0 0 0  
## 1189 0 0 0 0 0 0 0 0 0 0  
## 1190 0 0 0 0 0 0 0 0 0 0  
## 1191 1 0 0 0 0 0 1 0 0 0  
## 1192 0 0 0 0 0 0 0 0 0 0  
## 1193 0 0 0 0 0 0 0 0 0 0  
## 1194 0 0 0 0 0 0 0 0 0 0  
## 1195 0 0 0 0 0 0 0 0 0 0  
## 1196 0 0 0 0 0 0 0 0 0 0  
## 1197 0 1 1 0 0 0 0 0 0 0  
## 1198 1 1 1 1 1 1 1 1 0 1  
## 1199 1 0 0 0 1 0 0 0 1 0  
## 1200 0 0 0 0 0 0 0 0 0 0  
## 1201 1 1 1 1 1 0 1 0 0 0  
## 1202 0 0 0 0 0 0 0 0 0 0  
## 1203 1 1 1 1 1 1 1 1 1 1  
## 1204 0 0 0 0 0 0 0 0 0 0  
## 1205 0 0 0 0 0 0 1 0 0 0  
## 1206 1 0 1 1 1 0 1 1 1 0  
## 1207 1 0 1 0 0 0 1 1 1 0  
## 1208 0 0 0 0 0 0 0 0 0 0  
## 1209 1 0 0 0 0 0 1 0 0 0  
## 1210 0 0 0 0 0 0 0 0 0 0  
## 1211 0 0 0 0 0 0 0 0 0 0  
## 1212 1 0 0 0 0 0 0 0 0 0  
## 1213 0 0 0 0 0 0 0 0 0 0  
## 1214 1 0 0 0 0 0 1 0 0 0  
## 1215 1 1 1 1 1 1 1 1 1 0  
## 1216 0 0 0 0 0 0 0 0 0 0  
## 1217 0 0 0 0 0 0 0 0 0 0  
## 1218 1 1 1 1 0 0 1 1 1 1  
## 1219 1 0 1 1 1 0 1 1 0 0  
## 1220 0 0 0 0 0 0 0 0 0 0  
## 1221 1 0 0 0 0 0 0 0 0 0  
## 1222 1 1 1 1 1 1 1 1 1 1  
## 1223 1 0 1 0 0 0 0 0 0 0  
## 1224 0 0 0 0 0 0 0 0 0 0  
## 1225 1 0 0 0 0 0 0 0 0 0  
## 1226 0 0 0 0 0 0 0 0 0 0  
## 1227 1 1 1 1 1 1 1 1 1 0  
## 1228 0 0 0 0 0 0 0 0 0 0  
## 1229 1 0 1 0 0 0 1 1 1 0  
## 1230 1 0 0 0 0 0 0 0 0 0  
## 1231 0 0 0 0 0 0 0 0 0 0  
## 1232 1 0 0 0 0 0 1 0 0 0  
## 1233 1 1 1 1 1 1 0 0 0 0  
## 1234 0 0 0 0 0 0 0 0 0 0  
## 1235 1 0 0 0 0 0 0 0 0 0  
## 1236 1 1 1 1 1 1 1 1 1 0  
## 1237 0 0 0 0 0 0 0 0 0 0  
## 1238 0 0 0 0 0 0 0 0 0 0  
## 1239 0 0 0 0 0 0 0 0 0 0  
## 1240 0 0 0 0 0 0 0 0 0 0  
## 1241 0 0 0 0 0 0 0 0 0 0  
## 1242 0 0 0 0 0 0 0 0 0 0  
## 1243 0 0 1 0 0 0 0 0 0 0  
## 1244 0 0 0 0 0 0 0 0 0 0  
## 1245 1 1 0 1 0 0 0 0 0 0  
## 1246 1 0 0 0 0 0 1 0 0 0  
## 1247 0 0 0 0 0 0 0 0 0 0  
## 1248 1 0 1 1 1 0 1 0 0 0  
## 1249 0 0 0 0 0 0 0 0 0 0  
## 1250 0 0 0 0 0 0 0 0 0 0  
## 1251 0 0 0 0 0 0 0 0 0 0  
## 1252 0 0 0 0 0 1 1 0 0 0  
## 1253 0 0 0 0 0 0 0 0 0 0  
## 1254 0 0 0 0 0 0 0 0 0 0  
## 1255 0 0 0 0 0 0 0 0 0 0  
## 1256 1 1 1 1 1 0 1 1 1 0  
## 1257 1 0 0 0 0 0 0 0 0 0  
## 1258 1 0 0 0 0 0 0 0 0 0  
## 1259 1 1 1 1 1 0 1 1 1 1  
## 1260 0 0 0 0 0 0 0 0 0 0  
## 1261 0 1 1 1 1 1 1 1 1 0  
## 1262 0 0 0 0 0 0 0 0 0 0  
## 1263 0 0 0 0 0 0 0 0 0 0  
## 1264 0 0 0 0 0 0 0 0 0 0  
## 1265 0 0 0 0 0 0 0 0 0 0  
## 1266 0 0 0 0 0 0 0 0 0 0  
## 1267 1 1 0 1 1 1 1 1 1 1  
## 1268 0 0 0 0 0 0 0 0 0 0  
## 1269 0 1 1 0 0 0 0 0 0 0  
## 1270 1 0 1 0 1 0 0 0 0 0  
## 1271 1 1 0 0 0 0 1 1 0 0  
## 1272 0 0 0 0 0 0 0 0 0 0  
## 1273 1 1 1 1 1 1 1 1 1 1  
## 1274 1 0 0 0 0 0 1 0 0 0  
## 1275 0 0 0 0 0 0 0 0 0 0  
## 1276 0 0 0 0 0 0 0 0 0 0  
## 1277 0 0 0 0 0 0 0 0 0 0  
## 1278 0 0 0 0 0 0 0 0 0 0  
## 1279 0 0 1 0 0 0 0 0 0 0  
## 1280 0 0 0 0 0 0 0 0 0 0  
## 1281 1 0 0 0 1 0 1 0 0 0  
## 1282 0 0 0 0 0 0 0 0 0 0  
## 1283 0 0 0 0 0 0 0 0 0 0  
## 1284 0 0 0 0 1 1 1 1 1 1  
## 1285 1 1 1 0 0 0 1 1 1 1  
## 1286 0 0 0 0 0 0 0 0 0 0  
## 1287 1 0 1 1 1 1 1 1 1 0  
## 1288 0 0 0 0 0 0 0 0 0 0  
## 1289 0 0 0 0 0 0 0 0 0 0  
## 1290 1 0 0 0 0 0 0 0 0 0  
## 1291 0 0 0 0 0 0 0 0 0 0  
## 1292 0 0 0 0 0 0 0 0 0 0  
## 1293 0 0 0 0 0 0 0 0 0 0  
## 1294 1 0 0 0 0 0 0 0 0 0  
## 1295 0 0 1 1 1 1 0 0 1 1  
## 1296 1 0 1 0 0 0 1 1 1 0  
## 1297 1 0 1 0 1 1 1 1 1 1  
## 1298 0 0 0 0 0 0 0 0 0 0  
## 1299 0 0 0 0 0 0 0 0 0 0  
## 1300 0 0 0 0 0 0 0 0 0 0  
## 1301 0 0 0 0 0 0 0 0 0 0  
## 1302 1 0 0 0 0 0 0 0 0 0  
## 1303 1 1 1 1 1 1 1 1 1 1  
## 1304 1 1 1 0 0 1 0 0 0 0  
## 1305 0 0 0 0 0 0 0 0 0 0  
## 1306 1 0 0 0 0 0 0 0 0 0  
## 1307 1 0 0 0 0 0 1 0 0 0  
## 1308 0 0 0 0 1 0 0 0 1 1  
## 1309 0 0 0 0 0 0 0 0 0 0  
## 1310 0 0 0 0 0 0 0 0 0 0  
## 1311 1 1 0 1 0 0 1 1 1 0  
## 1312 1 1 1 0 1 1 1 1 1 0  
## 1313 0 0 0 0 0 0 0 0 0 0  
## 1314 1 1 1 0 1 1 1 1 1 1  
## 1315 1 0 0 0 1 0 1 0 0 0  
## 1316 1 0 0 0 0 0 0 0 0 0  
## 1317 1 0 0 0 0 0 0 0 0 0  
## 1318 0 0 0 0 0 0 0 0 0 0  
## 1319 1 0 0 0 0 0 1 0 0 0  
## 1320 0 1 1 0 1 1 1 1 0 0  
## 1321 1 1 0 1 0 0 1 1 1 1  
## 1322 1 0 1 0 0 0 1 1 1 0  
## 1323 0 0 0 0 0 0 0 0 0 0  
## 1324 0 0 0 0 0 0 0 0 0 0  
## 1325 0 1 0 0 0 0 0 0 0 0  
## 1326 0 0 0 0 0 0 0 0 0 0  
## 1327 0 0 0 0 0 0 0 0 0 0  
## 1328 1 0 0 0 0 0 1 0 1 0  
## 1329 0 0 0 0 0 0 0 0 0 0  
## 1330 0 0 0 0 0 0 0 0 0 0  
## 1331 0 0 0 0 0 0 0 0 0 0  
## 1332 0 0 0 0 0 0 0 0 0 0  
## 1333 0 0 0 0 0 0 0 0 0 0  
## 1334 0 0 0 0 0 0 0 0 0 0  
## 1335 1 1 1 1 1 1 1 1 1 1  
## 1336 0 0 0 0 0 0 0 0 0 0  
## 1337 1 0 0 0 0 0 0 0 0 0  
## 1338 1 0 0 0 0 0 1 0 0 0  
## 1339 0 0 0 0 0 0 0 0 0 0  
## 1340 1 0 0 0 0 0 0 0 0 0  
## 1341 1 1 1 1 1 1 1 1 1 1  
## 1342 0 0 0 0 0 0 0 0 0 0  
## 1343 0 0 0 0 0 0 0 0 0 0  
## 1344 0 0 0 0 0 0 0 0 0 0  
## 1345 0 0 0 0 0 0 0 0 0 0  
## 1346 0 0 0 0 0 0 0 0 0 0  
## 1347 0 0 0 0 0 0 0 0 0 0  
## 1348 1 0 1 0 0 0 1 1 1 0  
## 1349 1 0 0 0 0 0 1 0 0 0  
## 1350 0 0 0 0 0 0 0 0 0 0  
## 1351 1 1 1 1 1 1 0 0 0 0  
## 1352 1 1 1 1 1 0 1 1 0 0  
## 1353 0 0 0 0 0 0 0 0 0 0  
## 1354 1 0 0 1 0 0 1 0 0 0  
## 1355 1 0 0 0 0 0 0 0 0 0  
## 1356 1 0 1 1 1 0 1 1 1 1  
## 1357 0 0 0 0 0 0 0 0 0 0  
## 1358 0 0 0 0 0 0 0 0 0 0  
## 1359 0 0 0 0 0 0 0 0 0 0  
## 1360 0 0 0 0 0 0 0 0 0 0  
## 1361 0 0 0 0 0 0 0 0 0 0  
## 1362 0 0 0 0 0 0 0 0 0 0  
## 1363 0 0 0 0 0 0 0 0 0 0  
## 1364 0 0 0 0 0 0 0 0 0 0  
## 1365 1 1 1 1 1 1 1 1 1 1  
## 1366 1 0 1 0 1 1 0 0 0 0  
## 1367 0 0 0 0 0 0 0 0 0 0  
## 1368 1 0 1 0 0 0 1 1 1 0  
## 1369 0 0 0 0 0 0 0 0 0 0  
## 1370 0 0 0 0 0 0 0 0 0 0  
## 1371 1 0 1 0 0 0 0 1 0 0  
## 1372 0 0 0 0 0 0 0 0 0 0  
## 1373 0 0 0 0 0 0 0 0 0 0  
## 1374 0 0 0 0 0 0 0 0 0 0  
## 1375 0 0 0 0 0 0 0 0 0 0  
## 1376 1 0 0 0 0 0 0 0 0 0  
## 1377 1 0 1 0 1 1 1 1 1 0  
## 1378 0 0 0 0 1 0 0 0 0 0  
## 1379 1 0 1 0 0 0 1 0 1 0  
## 1380 0 0 0 0 0 0 0 0 0 0  
## 1381 0 0 0 0 0 0 0 0 0 0  
## 1382 0 0 0 0 0 0 0 0 0 0  
## 1383 0 0 0 0 0 0 0 0 0 0  
## 1384 1 0 0 0 0 0 1 0 0 0  
## 1385 0 0 0 0 0 0 0 0 0 0  
## 1386 0 0 0 0 0 0 0 0 0 0  
## 1387 0 0 0 0 0 0 0 0 0 0  
## 1388 1 0 1 0 0 0 0 0 0 0  
## 1389 0 0 0 0 0 0 0 0 0 0  
## 1390 0 0 0 0 0 0 0 0 0 0  
## 1391 0 0 0 0 0 0 0 0 0 0  
## 1392 0 0 0 0 0 0 0 0 0 0  
## 1393 1 1 1 1 1 1 0 0 1 1  
## 1394 1 0 0 0 0 0 1 0 0 0  
## 1395 1 0 1 0 0 0 0 0 0 0  
## 1396 0 0 0 0 0 0 0 0 0 0  
## 1397 0 0 0 0 0 0 0 0 0 0  
## 1398 0 0 0 0 0 0 0 0 0 0  
## 1399 1 1 1 0 1 0 1 0 0 0  
## 1400 1 0 1 0 1 1 0 0 0 0  
## 1401 0 0 1 0 0 0 0 0 0 0  
## 1402 1 0 0 1 0 0 0 0 0 0  
## 1403 0 0 0 0 0 0 0 0 0 0  
## 1404 1 0 0 0 0 0 0 0 0 0  
## 1405 0 0 0 0 0 0 0 0 0 0  
## 1406 0 0 0 0 0 0 0 0 0 0  
## 1407 0 0 0 0 0 0 0 0 0 0  
## 1408 0 0 0 0 0 0 0 0 0 0  
## 1409 0 0 0 0 0 0 0 0 0 0  
## 1410 1 0 0 0 0 0 0 0 0 0  
## 1411 0 0 0 0 0 0 0 0 0 0  
## 1412 1 0 1 0 0 0 1 1 1 0  
## 1413 0 0 0 0 0 0 0 0 0 0  
## 1414 0 0 0 0 0 0 0 0 0 0  
## 1415 1 1 1 1 1 1 0 0 0 0  
## 1416 0 0 0 0 0 0 0 0 0 0  
## 1417 1 1 1 0 1 1 1 1 1 1  
## 1418 0 0 0 0 0 0 0 0 0 0  
## 1419 0 0 0 0 0 0 0 0 0 0  
## 1420 0 0 0 0 0 0 0 0 0 0  
## 1421 0 0 0 0 0 0 0 0 0 0  
## 1422 0 0 0 0 0 0 0 0 0 0  
## 1423 0 0 0 0 0 0 0 0 0 0  
## 1424 0 0 0 0 0 0 0 0 0 0  
## 1425 0 0 0 0 0 0 0 0 0 0  
## 1426 0 0 0 1 0 0 1 1 1 0  
## 1427 0 0 0 0 0 1 1 1 1 1  
## 1428 0 0 0 0 0 0 0 0 0 0  
## 1429 0 0 0 1 0 0 1 1 1 0  
## 1430 1 1 1 1 1 1 1 1 1 1  
## 1431 0 0 0 0 0 0 0 0 0 0  
## 1432 0 0 0 0 0 0 0 0 0 0  
## 1433 0 0 0 0 1 0 0 1 0 0  
## 1434 0 0 0 0 0 0 0 0 0 0  
## 1435 0 0 0 0 0 0 0 0 0 0  
## 1436 0 0 0 0 0 0 0 0 0 0  
## 1437 0 0 0 0 0 0 0 0 0 0  
## 1438 0 0 0 0 0 0 0 0 0 0  
## 1439 0 0 0 0 0 0 1 1 1 0  
## 1440 0 0 0 0 0 0 0 0 0 0  
## 1441 0 0 0 0 1 1 0 0 0 0  
## 1442 0 0 0 0 0 0 0 0 0 0  
## 1443 0 0 0 0 0 0 0 0 0 0  
## 1444 1 0 0 0 0 0 1 0 0 0  
## 1445 0 0 0 0 0 0 0 0 0 0  
## 1446 0 0 0 0 0 0 0 0 0 0  
## 1447 1 1 1 1 1 1 1 1 1 0  
## 1448 0 0 0 0 0 0 0 0 0 0  
## 1449 0 0 0 0 0 0 0 0 0 0  
## 1450 0 0 0 0 0 0 0 0 0 0  
## 1451 1 0 0 1 0 0 1 0 0 0  
## 1452 1 0 1 0 0 0 1 0 0 0  
## 1453 1 0 0 0 0 0 1 0 0 0  
## 1454 0 0 0 0 0 0 0 0 0 0  
## 1455 0 0 0 0 0 0 0 0 0 0  
## 1456 0 0 0 0 0 0 0 0 0 0  
## 1457 0 0 0 0 0 0 0 0 0 0  
## 1458 0 0 0 0 0 0 0 0 0 0  
## 1459 1 1 1 1 1 1 1 1 0 1  
## 1460 0 0 0 0 0 0 0 0 0 0  
## 1461 1 0 1 1 0 0 1 1 1 1  
## 1462 0 0 0 0 0 0 0 0 0 0  
## 1463 1 0 1 1 1 1 1 0 0 0  
## 1464 0 0 0 0 0 0 0 0 0 0  
## 1465 1 0 0 1 0 0 0 0 0 0  
## 1466 0 0 0 0 0 0 0 0 0 0  
## 1467 0 0 0 0 0 0 0 0 0 0  
## 1468 0 0 0 0 0 0 0 0 0 0  
## 1469 0 0 0 0 0 0 0 0 0 0  
## 1470 1 1 1 1 0 1 1 1 1 1  
## 1471 1 1 1 1 1 0 1 1 1 1  
## 1472 0 0 0 0 0 0 0 0 0 0  
## 1473 0 0 0 0 0 0 0 0 0 0  
## 1474 1 0 0 0 0 0 1 1 1 0  
## 1475 0 0 0 1 0 0 0 0 0 0  
## 1476 0 0 0 0 0 0 0 0 0 0  
## 1477 1 0 0 0 0 0 0 0 0 0  
## 1478 0 0 0 0 0 0 0 0 0 0  
## 1479 1 0 0 0 0 0 0 0 0 0  
## 1480 0 0 0 0 0 0 0 0 0 0  
## 1481 1 1 0 1 1 1 1 1 0 0  
## 1482 1 0 0 0 0 0 1 1 0 0  
## 1483 1 1 1 1 0 0 0 1 0 0  
## 1484 1 1 1 0 1 1 1 1 1 1  
## 1485 0 0 0 0 0 0 0 0 0 0  
## 1486 0 0 0 0 0 0 0 0 0 0  
## 1487 0 0 0 0 0 0 0 0 0 0  
## 1488 0 0 0 0 0 0 0 0 0 0  
## 1489 1 1 1 0 1 1 1 1 1 1  
## 1490 0 0 0 0 0 0 0 0 0 0  
## 1491 1 1 1 1 0 0 1 1 1 0  
## 1492 1 1 1 1 1 1 1 1 1 1  
## 1493 0 0 0 0 0 0 0 0 0 0  
## 1494 1 0 1 0 0 0 1 1 0 0  
## 1495 0 0 0 0 0 0 0 0 0 0  
## 1496 0 0 0 0 0 0 0 0 0 0  
## 1497 1 0 0 0 0 0 1 0 0 0  
## 1498 0 0 0 0 0 0 0 0 0 0  
## 1499 1 1 1 1 1 1 1 1 0 0  
## 1500 0 0 0 0 0 0 0 0 0 0  
## 1501 0 0 0 0 0 0 0 0 0 0  
## 1502 0 0 0 0 1 0 1 0 0 0  
## 1503 1 1 1 0 0 0 0 0 0 0  
## 1504 0 0 0 0 0 0 0 0 0 0  
## 1505 0 0 0 0 0 0 0 0 0 0  
## 1506 0 0 0 0 0 0 0 0 0 0  
## 1507 0 0 0 0 0 0 0 0 0 0  
## 1508 0 0 0 0 0 0 0 0 0 0  
## 1509 0 0 0 0 0 0 1 1 0 0  
## 1510 0 0 0 0 0 0 0 0 0 0  
## 1511 0 0 0 0 0 0 0 0 0 0  
## 1512 0 0 0 0 0 0 0 0 0 0  
## 1513 1 1 1 1 1 1 1 1 1 1  
## 1514 1 1 1 1 1 1 0 0 0 0  
## 1515 1 0 0 0 0 0 1 0 0 0  
## 1516 0 0 0 0 0 0 0 0 0 0  
## 1517 0 0 0 0 0 0 0 0 0 0  
## 1518 0 0 0 0 0 0 0 0 0 0  
## 1519 0 0 0 0 0 0 0 0 0 0  
## 1520 1 0 1 0 0 0 0 0 0 0  
## 1521 0 0 0 0 0 0 0 0 0 0  
## 1522 1 1 1 1 1 1 1 1 1 0  
## 1523 0 0 0 0 0 0 0 0 0 0  
## 1524 1 0 1 1 0 0 1 0 0 0  
## 1525 0 0 0 0 0 0 0 0 0 0  
## 1526 0 0 0 0 0 0 0 0 0 0  
## 1527 0 0 0 0 0 0 0 0 0 0  
## 1528 0 1 0 1 0 1 0 1 1 0  
## 1529 0 0 0 0 0 0 0 0 0 0  
## 1530 0 0 0 0 0 0 0 0 0 0  
## 1531 1 0 1 1 1 1 1 0 0 0  
## 1532 0 0 0 0 0 0 0 0 0 0  
## 1533 0 0 0 0 0 0 0 0 0 0  
## 1534 0 0 0 0 0 0 0 0 0 0  
## 1535 0 0 0 0 0 0 0 0 0 0  
## 1536 0 0 0 0 0 0 0 0 0 0  
## 1537 0 0 0 0 1 1 0 0 0 0  
## 1538 0 0 0 0 0 0 0 0 0 0  
## 1539 0 0 0 0 0 0 0 0 0 0  
## 1540 1 1 1 1 1 0 0 0 0 0  
## 1541 1 0 0 0 0 0 1 0 0 0  
## 1542 0 0 0 0 0 0 0 0 0 0  
## 1543 0 0 0 0 0 0 0 0 0 0  
## 1544 1 0 0 0 0 0 0 0 0 0  
## 1545 0 0 0 0 0 0 1 0 0 0  
## 1546 0 1 1 0 1 0 0 0 0 0  
## 1547 0 0 0 0 0 0 0 0 0 0  
## 1548 0 0 0 0 1 0 0 0 0 0  
## 1549 0 0 0 0 0 0 0 0 0 0  
## 1550 0 0 0 0 0 0 0 0 0 0  
## 1551 1 0 0 0 0 0 0 0 0 0  
## 1552 0 1 1 0 0 0 1 1 0 0  
## 1553 1 0 0 0 0 0 0 0 0 0  
## 1554 1 1 1 1 0 1 1 0 1 1  
## 1555 0 0 0 0 0 0 0 0 0 0  
## 1556 0 0 0 0 0 0 0 0 0 0  
## 1557 0 0 1 0 0 0 0 0 1 0  
## 1558 1 0 1 0 0 0 1 1 1 0  
## 1559 0 0 0 0 0 0 0 0 0 0  
## 1560 0 0 0 0 0 0 0 0 0 0  
## 1561 0 0 0 0 0 0 0 0 0 0  
## 1562 0 0 0 0 0 0 0 0 0 0  
## 1563 0 0 0 0 0 0 0 0 0 0  
## 1564 0 0 0 0 0 0 0 0 0 0  
## 1565 1 1 1 1 1 1 1 1 1 0  
## 1566 0 0 0 0 0 0 1 0 0 0  
## 1567 1 0 0 0 0 0 1 0 0 0  
## 1568 0 0 0 0 0 0 0 0 0 0  
## 1569 0 0 0 0 0 0 0 0 0 0  
## 1570 1 0 1 0 0 0 1 1 1 0  
## 1571 0 0 0 0 0 0 1 1 1 0  
## 1572 0 0 0 0 0 0 0 0 0 0  
## 1573 1 0 0 0 0 0 0 0 0 0  
## 1574 0 0 0 0 0 0 0 0 0 0  
## 1575 1 1 1 0 1 1 0 0 0 0  
## 1576 1 0 0 0 0 0 0 0 0 0  
## 1577 0 0 0 0 0 0 0 0 0 0  
## 1578 1 0 0 0 0 0 0 0 0 0  
## 1579 1 0 0 0 0 0 0 0 0 0  
## 1580 0 1 1 1 0 0 0 0 0 0  
## 1581 0 0 0 0 0 0 0 0 0 0  
## 1582 1 1 1 1 0 1 1 1 1 0  
## 1583 0 0 0 0 0 0 0 0 0 0  
## 1584 0 0 0 0 0 0 0 0 0 0  
## 1585 0 0 0 0 0 0 0 0 0 0  
## 1586 1 1 1 1 1 1 1 1 1 1  
## 1587 0 0 0 0 0 0 0 0 0 0  
## 1588 0 0 0 0 0 0 0 0 0 0  
## 1589 0 0 0 0 0 0 0 0 0 0  
## 1590 0 0 0 0 0 0 0 0 0 0  
## 1591 1 0 0 0 0 0 1 1 1 0  
## 1592 1 0 0 0 0 0 1 0 0 0  
## 1593 0 0 0 0 0 0 0 0 0 0  
## 1594 0 0 0 0 0 0 0 0 0 0  
## 1595 0 0 0 0 0 0 0 0 0 0  
## 1596 0 0 0 0 0 0 0 0 0 0  
## 1597 1 0 1 1 0 0 1 0 0 0  
## 1598 0 1 1 1 0 0 0 0 0 0  
## 1599 1 0 1 0 0 1 1 0 0 0  
## 1600 1 1 1 1 1 1 1 0 0 0  
## 1601 0 0 0 0 0 0 0 0 0 0  
## 1602 0 0 1 0 0 0 0 0 0 0  
## 1603 0 0 0 0 0 0 0 0 0 0  
## 1604 1 1 1 1 1 1 1 1 1 1  
## 1605 1 0 1 0 0 1 0 0 0 0  
## 1606 1 1 1 1 1 1 0 0 0 1  
## 1607 0 0 0 0 0 0 0 0 0 0  
## 1608 0 0 0 0 0 0 1 1 1 1  
## 1609 0 0 0 0 0 0 0 0 0 0  
## 1610 0 0 0 0 0 0 0 0 0 0  
## 1611 0 0 0 0 0 0 0 0 0 0  
## 1612 1 1 0 0 1 0 0 0 0 0  
## 1613 1 1 1 1 1 1 0 0 0 0  
## 1614 0 0 0 0 0 0 0 0 0 0  
## 1615 0 0 0 0 0 0 0 0 0 0  
## 1616 0 0 0 0 0 0 0 0 0 0  
## 1617 0 0 0 0 0 0 0 0 0 0  
## 1618 1 1 1 0 1 0 0 0 0 0  
## 1619 0 0 0 0 0 0 0 0 0 0  
## 1620 1 1 1 1 1 0 1 1 1 0  
## 1621 1 0 1 0 0 0 0 0 0 0  
## 1622 0 0 0 0 0 0 0 0 0 0  
## 1623 0 0 0 0 0 0 0 0 0 0  
## 1624 0 0 0 0 0 0 0 0 0 0  
## 1625 0 0 0 0 0 0 0 0 0 0  
## 1626 0 0 0 0 0 0 0 0 0 0  
## 1627 1 0 1 0 1 1 1 1 1 0  
## 1628 0 0 0 0 0 0 0 0 0 0  
## 1629 0 0 0 0 0 0 0 0 0 0  
## 1630 1 0 1 0 1 0 0 0 0 0  
## 1631 1 0 0 0 0 0 1 0 0 0  
## 1632 1 0 1 0 1 0 0 0 0 0  
## 1633 0 0 0 0 0 0 0 0 0 0  
## 1634 1 0 0 0 0 0 0 0 0 0  
## 1635 0 0 0 0 0 0 0 0 0 0  
## 1636 0 0 0 0 1 0 0 0 0 0  
## 1637 1 0 0 1 0 0 0 0 0 0  
## 1638 0 0 0 0 0 0 0 0 0 0  
## 1639 0 0 0 0 0 0 0 0 0 0  
## 1640 0 0 0 0 0 0 0 0 0 0  
## 1641 0 0 0 0 0 0 0 0 0 0  
## 1642 1 0 0 0 0 0 1 0 1 0  
## 1643 1 0 0 0 0 0 0 0 0 0  
## 1644 0 0 0 0 0 0 0 0 0 0  
## 1645 1 0 1 0 0 0 1 0 0 0  
## 1646 0 0 0 0 0 0 0 0 0 0  
## 1647 0 0 0 0 0 0 0 0 0 0  
## 1648 0 0 0 0 0 0 0 0 0 0  
## 1649 0 0 0 0 0 0 0 0 0 0  
## 1650 0 0 1 0 0 0 1 1 1 0  
## 1651 0 0 0 0 0 0 0 0 0 0  
## 1652 1 0 1 0 0 0 1 1 1 0  
## 1653 1 0 1 0 0 0 1 1 0 0  
## 1654 0 0 0 0 0 0 0 0 0 0  
## 1655 0 0 0 0 0 0 0 0 0 0  
## 1656 1 0 1 0 0 1 1 1 1 0  
## 1657 1 0 0 0 0 0 0 0 0 0  
## 1658 0 0 0 0 0 0 0 0 1 0  
## 1659 0 0 0 0 0 0 0 0 0 0  
## 1660 0 0 0 0 0 0 0 0 0 0  
## 1661 0 0 0 0 0 0 0 0 0 0  
## 1662 1 1 1 1 1 1 1 1 1 1  
## 1663 0 0 0 0 0 0 0 0 0 0  
## 1664 0 0 1 0 0 0 1 1 1 0  
## 1665 0 0 0 0 0 0 0 0 0 0  
## 1666 0 0 0 0 0 0 0 0 0 0  
## 1667 0 0 0 0 0 0 0 0 0 0  
## 1668 0 0 0 0 0 0 0 0 0 0  
## 1669 1 1 1 1 1 1 1 1 1 1  
## 1670 1 1 1 1 1 1 1 1 1 1  
## 1671 1 1 1 0 1 0 1 1 1 0  
## 1672 0 0 1 0 1 0 1 1 1 0  
## 1673 1 1 1 1 1 1 1 1 1 1  
## 1674 1 0 0 0 1 1 0 0 1 0  
## 1675 1 0 0 0 0 1 0 0 0 0  
## 1676 0 0 0 0 0 0 0 0 0 0  
## 1677 0 0 0 0 0 0 0 0 0 0  
## 1678 0 0 0 0 0 0 0 0 0 0  
## 1679 0 0 0 0 0 0 0 0 0 0  
## 1680 0 0 0 0 0 0 0 0 0 0  
## 1681 0 0 0 0 0 0 0 0 0 0  
## 1682 0 0 0 0 0 0 0 0 0 0  
## 1683 1 1 1 1 1 1 0 0 1 0  
## 1684 1 0 0 0 0 0 1 0 0 0  
## 1685 0 0 0 0 0 0 0 0 0 0  
## 1686 0 0 0 0 0 0 0 0 0 0  
## 1687 0 0 0 0 0 0 0 0 0 0  
## 1688 0 0 0 0 0 0 0 0 0 0  
## 1689 0 0 0 0 0 0 0 0 0 0  
## 1690 1 1 1 1 1 1 1 1 1 1  
## 1691 0 0 0 0 0 0 0 0 0 0  
## 1692 1 1 1 1 1 1 1 1 1 1  
## 1693 0 0 0 0 0 0 0 0 0 0  
## 1694 0 0 0 0 0 0 0 0 0 0  
## 1695 0 0 0 0 0 0 0 0 0 0  
## 1696 0 0 0 0 0 0 0 0 0 0  
## 1697 0 0 0 0 0 0 0 0 0 0  
## 1698 0 0 0 1 0 0 0 0 1 0  
## 1699 0 0 0 0 0 0 0 0 0 0  
## 1700 1 0 1 0 0 0 1 1 0 0  
## 1701 0 0 0 0 0 0 0 0 0 0  
## 1702 0 0 0 0 0 0 0 0 0 0  
## 1703 0 0 0 0 0 0 0 0 0 0  
## 1704 0 0 0 0 0 0 0 0 0 0  
## 1705 1 0 1 1 1 1 1 1 0 0  
## 1706 0 0 0 0 0 0 0 0 0 0  
## 1707 0 0 0 0 0 0 0 0 0 0  
## 1708 1 1 1 0 1 1 1 1 1 0  
## 1709 1 1 1 1 0 0 1 1 1 1  
## 1710 0 0 0 0 0 0 0 0 0 0  
## 1711 1 1 1 1 1 1 1 1 1 1  
## 1712 0 0 1 0 0 0 0 0 0 0  
## 1713 0 0 0 0 0 0 0 0 0 0  
## 1714 0 0 0 0 0 0 1 0 0 0  
## 1715 1 1 1 1 1 1 1 1 1 1  
## 1716 1 1 1 1 1 1 1 1 1 1  
## 1717 0 0 0 0 0 0 0 0 0 0  
## 1718 0 0 0 0 0 0 0 0 0 0  
## 1719 0 0 0 0 0 0 0 0 0 0  
## 1720 1 0 1 0 1 1 0 1 1 0  
## 1721 1 1 1 1 1 1 1 1 1 1  
## 1722 1 1 1 0 0 0 1 0 1 0  
## 1723 0 0 0 0 0 0 0 0 0 0  
## 1724 0 0 0 0 0 0 0 0 0 0  
## 1725 0 0 0 0 0 0 0 0 0 0  
## 1726 1 1 1 1 1 1 1 1 1 1  
## 1727 0 0 0 0 0 0 0 0 0 0  
## 1728 0 0 0 0 0 0 0 0 0 0  
## 1729 0 0 0 0 0 0 0 0 0 0  
## 1730 0 0 0 0 0 0 0 0 0 0  
## 1731 0 0 0 0 0 0 0 0 0 0  
## 1732 1 0 1 0 0 0 1 1 1 1  
## 1733 1 0 1 0 0 0 1 1 1 0  
## 1734 1 0 0 0 0 0 1 0 0 0  
## 1735 0 0 1 0 0 1 1 1 1 0  
## 1736 0 0 0 0 0 0 0 0 0 0  
## 1737 1 1 1 0 1 0 1 1 0 0  
## 1738 0 0 1 1 1 0 0 1 0 0  
## 1739 0 0 0 0 0 0 0 0 0 0  
## 1740 0 0 0 0 0 0 0 0 0 0  
## 1741 1 1 1 1 1 0 0 1 1 1  
## 1742 1 1 1 1 1 1 1 1 1 1  
## 1743 0 0 0 1 0 1 1 1 1 0  
## 1744 0 0 0 0 0 0 0 0 0 0  
## 1745 0 0 0 0 0 0 0 0 0 0  
## 1746 0 0 0 0 0 0 0 0 0 0  
## 1747 1 0 0 0 0 0 0 0 0 0  
## 1748 1 0 1 0 0 0 0 0 0 0  
## 1749 0 0 0 0 0 0 0 0 0 0  
## 1750 1 1 1 0 1 0 1 1 1 0  
## 1751 1 1 1 1 0 0 1 0 0 0  
## 1752 1 0 1 0 0 0 0 0 0 0  
## 1753 1 0 1 0 0 0 0 0 0 0  
## 1754 1 0 0 0 1 0 1 1 1 0  
## 1755 0 0 0 0 0 0 0 0 0 0  
## 1756 1 1 1 0 1 0 1 1 1 1  
## 1757 0 0 0 0 0 0 0 0 0 0  
## 1758 0 0 0 0 0 0 0 0 0 0  
## 1759 0 0 0 0 0 0 0 0 0 0  
## 1760 0 0 0 0 0 0 0 0 0 0  
## 1761 0 0 0 0 0 0 0 0 0 0  
## 1762 1 0 0 0 0 0 0 0 0 0  
## 1763 0 0 0 0 0 0 0 0 0 0  
## 1764 0 0 0 0 0 0 0 0 0 0  
## 1765 0 0 0 0 0 0 0 0 0 0  
## 1766 0 0 0 0 0 0 0 0 0 0  
## 1767 0 0 0 0 0 0 0 0 0 0  
## 1768 0 0 0 0 0 0 0 0 0 0  
## 1769 0 0 0 0 0 0 0 0 0 0  
## 1770 0 0 0 0 0 0 0 0 0 0  
## 1771 0 0 0 0 0 0 0 0 0 0  
## 1772 1 0 0 0 0 0 0 0 0 0  
## 1773 0 0 1 0 1 1 0 0 0 0  
## 1774 0 0 0 0 0 0 0 0 0 0  
## 1775 0 0 0 0 0 0 0 0 0 0  
## 1776 1 1 1 1 1 1 1 1 1 1  
## 1777 0 0 0 0 0 0 0 0 0 0  
## 1778 1 0 0 0 0 0 1 0 0 0  
## 1779 1 0 0 0 0 0 1 1 1 0  
## 1780 1 0 0 1 0 0 1 0 1 0  
## 1781 1 0 0 0 0 0 1 1 1 0  
## 1782 1 0 0 0 1 0 0 1 1 1  
## 1783 0 0 0 0 0 0 1 0 0 0  
## 1784 1 0 0 0 0 0 1 0 0 0  
## 1785 0 0 0 0 0 0 0 0 0 0  
## 1786 0 0 0 0 0 0 0 0 0 0  
## 1787 0 0 0 0 0 0 0 0 0 0  
## 1788 1 1 1 1 1 1 1 1 1 0  
## 1789 0 0 0 0 0 0 0 0 0 0  
## 1790 1 1 1 1 1 1 1 1 1 1  
## 1791 0 0 0 0 0 0 0 0 0 0  
## 1792 0 0 0 0 0 0 0 0 0 0  
## 1793 1 0 0 0 0 0 0 0 0 0  
## 1794 1 1 1 1 1 1 1 1 1 1  
## 1795 0 0 0 0 0 0 0 0 0 0  
## 1796 1 0 1 0 0 0 1 1 0 0  
## 1797 0 0 0 0 0 0 0 0 0 0  
## 1798 1 0 0 0 0 0 1 0 0 0  
## 1799 1 1 1 1 1 1 0 0 0 0  
## 1800 0 0 0 0 0 0 0 0 0 0  
## 1801 0 0 0 0 0 0 0 0 0 0  
## 1802 0 0 0 0 0 0 0 0 0 0  
## 1803 0 0 0 0 0 0 0 0 0 0  
## 1804 0 0 0 0 0 0 0 0 0 0  
## 1805 0 0 0 0 0 0 0 0 0 0  
## 1806 1 1 1 1 1 1 1 1 1 1  
## 1807 1 1 1 1 1 1 1 1 1 1  
## 1808 0 0 0 0 0 0 0 0 0 0  
## 1809 1 1 1 1 1 1 1 0 0 0  
## 1810 0 0 0 0 0 0 0 0 0 0  
## 1811 1 1 1 1 1 1 1 1 1 0  
## 1812 0 0 0 0 0 0 0 0 0 0  
## 1813 1 0 0 0 0 0 0 0 0 0  
## 1814 1 0 0 0 0 0 0 0 0 0  
## 1815 0 0 0 0 0 0 0 0 0 0  
## 1816 0 0 1 0 1 0 1 1 1 0  
## 1817 0 0 0 0 0 0 0 0 0 0  
## 1818 0 0 0 0 0 0 0 0 0 0  
## 1819 0 0 0 0 0 0 0 0 0 0  
## 1820 0 0 0 0 0 0 0 0 0 0  
## 1821 0 0 0 0 0 0 0 0 0 0  
## 1822 1 0 1 0 1 0 1 1 0 0  
## 1823 0 0 0 0 0 0 0 0 0 0  
## 1824 1 0 0 0 0 0 1 0 0 0  
## 1825 1 0 0 0 0 0 0 1 0 0  
## 1826 1 1 1 1 0 0 1 1 1 1  
## 1827 0 0 0 0 0 0 0 0 0 0  
## 1828 1 0 1 0 0 0 1 1 1 0  
## 1829 0 0 0 0 0 0 0 0 0 0  
## 1830 1 0 1 0 0 0 1 1 1 0  
## 1831 0 0 0 0 0 0 0 0 0 0  
## 1832 1 0 0 0 0 0 0 0 0 0  
## 1833 0 0 0 0 0 0 0 0 0 0  
## 1834 0 0 0 0 0 0 0 0 0 0  
## 1835 0 0 0 0 0 0 0 0 0 0  
## 1836 0 0 0 0 0 0 0 0 0 0  
## 1837 1 0 0 1 0 0 1 0 0 0  
## 1838 0 0 0 0 0 0 0 0 0 0  
## 1839 0 0 0 0 0 0 0 0 0 0  
## 1840 1 0 0 0 1 0 0 0 0 0  
## 1841 0 0 0 0 0 0 0 0 0 0  
## 1842 1 0 1 0 0 0 0 0 0 0  
## 1843 0 0 0 0 0 0 0 0 0 0  
## 1844 1 1 1 0 1 1 1 1 1 1  
## 1845 0 0 0 0 0 0 0 0 0 0  
## 1846 0 0 0 1 0 0 0 0 0 0  
## 1847 0 0 0 0 0 0 0 0 0 0  
## 1848 1 1 1 1 1 1 1 1 1 1  
## 1849 0 0 0 0 0 0 0 0 0 0  
## 1850 0 0 0 0 0 0 0 0 0 0  
## 1851 0 0 0 0 0 0 0 0 0 0  
## 1852 1 0 0 0 0 0 1 0 0 0  
## 1853 0 0 0 0 0 0 0 0 0 0  
## 1854 0 0 0 0 0 0 0 0 0 0  
## 1855 0 0 0 0 0 0 0 0 0 0  
## 1856 1 1 1 1 0 0 1 1 1 0  
## 1857 0 0 0 0 0 0 0 0 0 0  
## 1858 0 0 0 0 0 0 0 0 0 0  
## 1859 0 0 0 0 0 0 0 0 0 0  
## 1860 1 0 0 0 0 0 0 0 0 0  
## 1861 1 0 1 0 0 0 0 0 0 0  
## 1862 0 0 0 0 0 0 0 0 0 0  
## 1863 0 0 0 0 0 0 0 0 0 0  
## 1864 0 0 0 0 0 0 0 0 0 0  
## 1865 0 0 0 0 0 0 0 0 0 0  
## 1866 0 0 0 0 0 0 0 0 0 0  
## 1867 0 0 0 0 0 0 0 0 0 0  
## 1868 0 0 0 0 0 0 0 0 0 0  
## 1869 0 0 0 0 0 0 0 0 0 0  
## 1870 0 0 0 0 0 0 0 0 0 0  
## 1871 1 0 0 0 0 0 1 0 0 0  
## 1872 1 0 1 0 0 0 0 0 1 0  
## 1873 0 0 0 0 0 0 0 0 0 0  
## 1874 1 0 0 0 0 0 1 0 1 0  
## 1875 1 0 1 0 0 0 1 0 1 0  
## 1876 0 0 0 0 0 0 0 0 0 0  
## 1877 0 0 0 0 0 0 0 0 0 0  
## 1878 0 0 0 1 0 0 0 0 0 0  
## 1879 1 0 1 0 0 0 0 1 0 0  
## 1880 0 1 1 1 1 1 1 1 1 1  
## 1881 1 0 0 0 0 0 0 0 0 0  
## 1882 0 0 0 0 1 1 1 1 1 1  
## 1883 0 0 0 0 0 0 1 0 0 0  
## 1884 1 0 1 0 0 0 0 0 0 0  
## 1885 1 1 1 0 1 1 1 1 1 0  
## 1886 1 0 0 0 0 0 1 0 1 0  
## 1887 0 0 0 0 0 0 0 0 0 0  
## 1888 0 0 0 0 0 0 0 0 0 0  
## 1889 1 1 1 1 0 0 1 0 0 0  
## 1890 0 0 0 0 0 0 0 0 0 0  
## 1891 1 0 0 0 0 0 1 1 0 0  
## 1892 0 0 0 0 0 0 0 0 0 0  
## 1893 0 0 0 0 0 0 0 0 0 0  
## 1894 0 0 0 0 0 0 0 0 0 0  
## 1895 0 1 0 1 1 0 0 0 0 0  
## 1896 1 0 0 0 0 0 0 1 0 1  
## 1897 0 0 0 0 0 0 0 0 0 0  
## 1898 0 0 0 0 0 0 0 0 0 0  
## 1899 0 0 0 0 0 0 0 0 0 0  
## 1900 0 0 0 0 0 0 0 0 0 0  
## 1901 1 1 1 1 0 1 1 1 1 1  
## 1902 0 0 0 0 0 0 0 0 0 0  
## 1903 1 0 1 1 0 0 1 1 1 1  
## 1904 1 0 0 0 0 0 0 0 0 0  
## 1905 0 0 0 0 0 0 0 0 0 0  
## 1906 0 0 0 0 0 0 0 0 0 0  
## 1907 1 0 1 1 0 0 0 0 0 0  
## 1908 0 0 0 0 0 0 0 0 0 0  
## 1909 1 0 1 0 1 0 0 0 0 0  
## 1910 1 0 0 1 0 0 1 0 0 0  
## 1911 1 1 1 1 1 1 1 1 1 0  
## 1912 0 0 0 0 0 0 0 0 0 0  
## 1913 1 0 1 0 0 0 0 0 0 0  
## 1914 0 0 0 0 0 0 0 0 0 0  
## 1915 1 1 1 1 1 1 1 1 1 1  
## 1916 0 0 0 0 0 0 0 0 0 0  
## 1917 1 1 1 0 1 1 1 1 1 0  
## 1918 0 0 0 0 0 0 0 0 0 0  
## 1919 0 0 0 0 0 0 0 0 0 0  
## 1920 1 0 0 0 0 0 1 0 0 0  
## 1921 0 0 0 0 0 0 0 0 0 0  
## 1922 0 0 0 0 0 0 0 0 0 0  
## 1923 1 0 0 0 0 0 1 0 0 0  
## 1924 1 1 1 0 0 0 0 1 1 0  
## 1925 0 0 0 0 0 0 0 0 0 0  
## 1926 1 0 0 0 0 0 0 1 0 0  
## 1927 0 0 0 0 0 0 0 0 0 0  
## 1928 1 1 1 1 1 1 1 1 1 1  
## 1929 0 0 0 0 0 0 0 0 0 0  
## 1930 1 0 0 0 0 0 1 0 0 0  
## 1931 0 0 0 0 0 0 0 0 0 0  
## 1932 0 0 0 0 0 0 0 0 0 0  
## 1933 0 0 0 0 0 0 0 0 0 0  
## 1934 0 0 1 0 0 0 0 1 0 0  
## 1935 1 0 0 0 0 0 1 0 0 0  
## 1936 1 0 0 0 0 0 1 0 0 0  
## 1937 0 0 0 0 0 0 0 0 0 0  
## 1938 0 0 0 0 0 0 0 0 0 0  
## 1939 0 0 0 0 0 0 0 0 0 0  
## 1940 0 0 0 0 0 0 0 0 0 0  
## 1941 0 0 0 0 0 0 0 0 0 0  
## 1942 0 1 1 0 1 0 1 1 1 0  
## 1943 0 0 0 0 0 0 0 0 0 0  
## 1944 0 0 0 0 0 0 0 0 0 0  
## 1945 0 0 0 0 0 0 0 0 0 0  
## 1946 0 0 0 0 0 0 0 0 0 0  
## 1947 0 0 0 0 0 0 0 0 0 0  
## 1948 1 0 0 0 0 0 1 0 0 0  
## 1949 0 0 0 0 0 0 0 0 0 0  
## 1950 0 0 0 0 0 0 0 0 0 0  
## 1951 0 0 0 0 0 0 0 0 0 0  
## 1952 1 0 0 0 0 0 0 0 0 0  
## 1953 0 0 0 0 0 0 0 0 0 0  
## 1954 0 0 0 0 0 0 0 0 0 0  
## 1955 1 0 1 0 1 1 1 1 1 0  
## 1956 0 0 0 0 0 0 0 0 0 0  
## 1957 0 0 0 1 0 1 0 0 0 0  
## 1958 0 0 0 0 0 0 0 0 0 0  
## 1959 1 0 0 0 0 0 0 0 0 0  
## 1960 0 0 0 0 0 0 0 0 0 0  
## 1961 0 0 0 0 0 0 0 0 0 0  
## 1962 0 0 0 0 0 0 0 0 0 0  
## 1963 0 0 0 0 0 0 0 0 0 0  
## 1964 0 0 0 0 0 0 0 0 0 0  
## 1965 0 0 0 0 0 0 0 0 0 0  
## 1966 0 0 0 0 0 0 0 0 0 0  
## 1967 1 1 1 1 1 1 1 1 1 1  
## 1968 0 0 0 0 0 0 0 0 0 0  
## 1969 0 0 0 0 0 0 0 0 0 0  
## 1970 1 0 0 0 0 0 1 0 0 0  
## 1971 1 1 1 0 1 1 1 0 0 1  
## 1972 0 0 1 0 0 0 0 0 1 0  
## 1973 0 0 0 0 0 0 0 0 0 0  
## 1974 1 0 0 0 0 0 0 0 0 0  
## 1975 0 0 0 0 0 0 0 0 0 0  
## 1976 1 1 1 1 0 1 1 0 0 0  
## 1977 1 0 0 0 0 0 1 1 0 0  
## 1978 0 0 0 0 0 0 0 0 0 0  
## 1979 0 0 0 0 0 0 0 0 0 0  
## 1980 0 0 0 0 0 0 0 0 0 0  
## 1981 0 0 0 0 0 0 0 0 0 0  
## 1982 1 0 1 0 0 0 1 1 1 1  
## 1983 0 0 0 0 0 0 0 0 0 0  
## 1984 1 0 1 0 0 0 1 1 0 0  
## 1985 0 0 0 0 0 0 0 0 0 0  
## 1986 1 1 1 1 1 1 0 1 0 1  
## 1987 0 0 0 0 0 0 0 0 0 0  
## 1988 0 0 1 0 0 0 0 0 0 0  
## 1989 1 0 0 0 0 0 1 0 0 0  
## 1990 0 0 0 0 0 0 0 0 0 0  
## 1991 1 0 1 0 1 1 1 1 1 0  
## 1992 0 0 0 0 0 0 0 0 0 0  
## 1993 0 0 0 0 0 0 0 0 0 0  
## 1994 0 0 0 0 0 0 0 0 0 0  
## 1995 0 0 0 0 0 0 0 0 0 0  
## 1996 0 1 1 0 0 0 1 1 1 1  
## 1997 0 0 0 0 0 0 0 0 0 0  
## 1998 0 1 0 0 0 0 0 0 0 0  
## 1999 0 0 0 0 0 0 0 0 0 0  
## 2000 1 0 0 0 1 0 0 0 0 0  
## ia\_11men ia\_12men Obs Exp z1 se.z1  
## 1 0 0 1 7.710464e-01 1.1088881 0.1653845  
## 2 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 3 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 4 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 5 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 6 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 7 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 8 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 9 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 10 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 11 1 0 2 9.019873e-01 1.3297475 0.1680207  
## 12 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 13 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 14 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 15 1 1 6 4.721296e+00 1.7516176 0.2332026  
## 16 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 17 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 18 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 19 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 20 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 21 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 22 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 23 0 0 2 5.283715e-01 0.6837456 0.1862578  
## 24 0 0 1 4.559753e-01 0.8848517 0.1686421  
## 25 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 26 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 27 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 28 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 29 0 0 8 5.233205e+00 0.6125266 0.1966654  
## 30 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 31 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 32 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 33 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 34 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 35 1 1 1 5.200426e-02 1.5663314 0.1883194  
## 36 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 37 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 38 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 39 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 40 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 41 0 0 5 4.947435e+00 0.7346589 0.1801330  
## 42 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 43 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 44 0 0 1 4.771778e-01 1.3541444 0.1688479  
## 45 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 46 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 47 1 1 2 5.218605e-01 1.5855250 0.1915484  
## 48 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 49 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 50 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 51 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 52 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 53 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 54 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 55 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 56 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 57 0 0 5 1.108541e+01 0.1897944 0.3026456  
## 58 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 59 0 0 2 2.905220e-01 0.9582287 0.1662727  
## 60 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 61 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 62 0 0 5 8.971184e+00 0.2238799 0.2908353  
## 63 0 0 3 6.484863e-01 0.9944806 0.1656937  
## 64 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 65 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 66 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 67 0 0 1 3.353167e+00 0.6126482 0.1966459  
## 68 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 69 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 70 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 71 0 0 5 1.331053e+00 0.8398397 0.1710767  
## 72 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 73 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 74 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 75 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 76 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 77 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 78 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 79 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 80 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 81 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 82 0 0 3 2.414337e-01 0.9444521 0.1665847  
## 83 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 84 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 85 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 86 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 87 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 88 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 89 0 0 3 1.840851e+00 0.8023302 0.1737510  
## 90 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 91 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 92 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 93 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 94 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 95 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 96 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 97 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 98 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 99 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 100 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 101 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 102 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 103 0 0 5 1.108541e+01 0.1897944 0.3026456  
## 104 0 0 1 5.267891e-01 0.7161037 0.1822350  
## 105 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 106 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 107 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 108 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 109 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 110 0 0 2 7.261993e-01 0.5713158 0.2036301  
## 111 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 112 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 113 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 114 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 115 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 116 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 117 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 118 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 119 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 120 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 121 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 122 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 123 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 124 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 125 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 126 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 127 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 128 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 129 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 130 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 131 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 132 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 133 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 134 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 135 1 0 3 3.794320e+00 1.3641210 0.1692450  
## 136 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 137 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 138 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 139 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 140 1 1 1 4.060255e-02 1.3962798 0.1707915  
## 141 1 1 1 3.008127e-02 1.3850190 0.1702010  
## 142 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 143 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 144 1 0 3 1.911127e-01 1.2259932 0.1661174  
## 145 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 146 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 147 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 148 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 149 1 0 5 3.643508e+00 1.5236122 0.1821471  
## 150 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 151 0 0 3 6.249028e+00 0.6879827 0.1857054  
## 152 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 153 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 154 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 155 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 156 0 0 3 4.442144e-01 1.1674539 0.1656581  
## 157 1 0 1 7.089993e-01 1.3323243 0.1680991  
## 158 0 0 4 1.419752e-01 1.0387221 0.1653672  
## 159 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 160 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 161 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 162 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 163 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 164 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 165 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 166 0 0 7 3.054701e+00 1.1419731 0.1655189  
## 167 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 168 0 0 8 5.233205e+00 0.6125266 0.1966654  
## 169 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 170 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 171 0 0 6 1.186354e+00 0.7170978 0.1821186  
## 172 0 0 6 2.189981e-01 0.8462247 0.1706811  
## 173 0 0 3 4.471754e+00 1.3694027 0.1694703  
## 174 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 175 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 176 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 177 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 178 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 179 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 180 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 181 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 182 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 183 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 184 0 0 3 1.591725e+00 0.8655034 0.1695888  
## 185 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 186 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 187 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 188 0 0 7 3.054701e+00 1.1419731 0.1655189  
## 189 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 190 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 191 1 0 2 2.202623e+00 1.2814855 0.1668778  
## 192 0 0 8 6.039497e+00 0.7843440 0.1752502  
## 193 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 194 0 0 2 1.227256e+00 0.7298434 0.1806640  
## 195 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 196 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 197 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 198 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 199 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 200 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 201 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 202 0 0 4 3.804612e+00 1.3799624 0.1699535  
## 203 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 204 0 0 2 7.409928e+00 0.4407443 0.2301495  
## 205 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 206 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 207 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 208 1 0 1 1.422543e-01 0.9008759 0.1679665  
## 209 0 0 3 1.840851e+00 0.8023302 0.1737510  
## 210 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 211 0 0 8 5.233205e+00 0.6125266 0.1966654  
## 212 1 0 5 3.643508e+00 1.5236122 0.1821471  
## 213 0 0 1 8.100780e-02 0.6982205 0.1844026  
## 214 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 215 0 0 1 1.551786e-02 1.1517912 0.1655690  
## 216 0 0 1 7.941904e-02 1.1207653 0.1654262  
## 217 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 218 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 219 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 220 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 221 0 0 5 8.971184e+00 0.2238799 0.2908353  
## 222 0 0 2 7.409928e+00 0.4407443 0.2301495  
## 223 1 1 2 4.538808e+00 1.7322180 0.2269524  
## 224 0 0 7 1.403046e+00 0.7459214 0.1789307  
## 225 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 226 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 227 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 228 1 0 1 3.227953e+00 1.3746513 0.1697048  
## 229 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 230 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 231 0 0 4 5.656919e+00 0.7506460 0.1784430  
## 232 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 233 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 234 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 235 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 236 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 237 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 238 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 239 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 240 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 241 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 242 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 243 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 244 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 245 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 246 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 247 0 0 4 1.624619e+00 1.1383907 0.1655017  
## 248 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 249 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 250 0 0 4 3.804612e+00 1.3799624 0.1699535  
## 251 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 252 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 253 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 254 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 255 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 256 0 0 3 5.043708e+00 1.2225489 0.1660831  
## 257 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 258 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 259 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 260 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 261 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 262 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 263 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 264 0 0 6 1.186354e+00 0.7170978 0.1821186  
## 265 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 266 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 267 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 268 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 269 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 270 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 271 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 272 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 273 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 274 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 275 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 276 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 277 0 0 1 1.210659e-02 0.9538733 0.1663654  
## 278 0 0 7 4.282077e+00 1.2326710 0.1661874  
## 279 0 0 3 2.229589e+00 0.5526910 0.2069989  
## 280 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 281 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 282 0 0 8 6.039497e+00 0.7843440 0.1752502  
## 283 0 0 5 4.947435e+00 0.7346589 0.1801330  
## 284 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 285 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 286 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 287 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 288 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 289 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 290 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 291 0 0 7 6.064961e+00 0.6577376 0.1898145  
## 292 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 293 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 294 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 295 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 296 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 297 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 298 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 299 0 0 2 1.399044e+00 0.7563338 0.1778689  
## 300 0 0 8 5.233205e+00 0.6125266 0.1966654  
## 301 0 0 4 3.038827e+00 0.6074482 0.1974870  
## 302 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 303 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 304 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 305 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 306 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 307 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 308 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 309 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 310 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 311 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 312 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 313 1 0 1 1.372472e+00 1.2676526 0.1666445  
## 314 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 315 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 316 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 317 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 318 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 319 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 320 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 321 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 322 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 323 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 324 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 325 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 326 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 327 0 0 6 1.186354e+00 0.7170978 0.1821186  
## 328 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 329 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 330 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 331 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 332 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 333 0 0 7 3.054701e+00 1.1419731 0.1655189  
## 334 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 335 0 0 8 6.039497e+00 0.7843440 0.1752502  
## 336 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 337 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 338 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 339 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 340 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 341 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 342 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 343 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 344 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 345 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 346 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 347 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 348 0 0 2 7.261993e-01 0.5713158 0.2036301  
## 349 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 350 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 351 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 352 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 353 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 354 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 355 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 356 0 0 2 1.275577e+00 0.4420053 0.2298605  
## 357 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 358 0 0 4 3.038827e+00 0.6074482 0.1974870  
## 359 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 360 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 361 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 362 0 1 2 8.566768e-01 1.5242301 0.1822268  
## 363 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 364 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 365 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 366 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 367 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 368 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 369 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 370 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 371 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 372 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 373 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 374 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 375 0 0 2 5.545838e-01 0.5754806 0.2028955  
## 376 0 0 6 2.189981e-01 0.8462247 0.1706811  
## 377 0 0 1 5.776065e+00 0.6176839 0.1958418  
## 378 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 379 0 0 8 5.111967e+00 0.5983016 0.1989928  
## 380 0 0 3 6.166011e-01 0.9429591 0.1666218  
## 381 1 1 4 2.243917e+00 1.7255443 0.2248925  
## 382 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 383 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 384 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 385 0 1 1 1.629509e+00 1.5285857 0.1827968  
## 386 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 387 1 0 1 3.783210e-01 1.1623999 0.1656281  
## 388 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 389 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 390 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 391 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 392 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 393 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 394 0 0 7 1.363765e+01 0.1415733 0.3205805  
## 395 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 396 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 397 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 398 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 399 0 0 7 1.363765e+01 0.1415733 0.3205805  
## 400 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 401 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 402 0 0 3 4.442144e-01 1.1674539 0.1656581  
## 403 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 404 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 405 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 406 0 0 3 1.591725e+00 0.8655034 0.1695888  
## 407 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 408 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 409 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 410 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 411 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 412 1 1 1 4.918889e-02 1.4737190 0.1765556  
## 413 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 414 0 0 1 3.433618e-02 1.0885562 0.1653337  
## 415 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 416 0 0 8 1.974266e+00 0.8344275 0.1714254  
## 417 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 418 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 419 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 420 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 421 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 422 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 423 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 424 0 1 1 1.301022e-02 1.0717462 0.1653159  
## 425 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 426 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 427 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 428 1 0 2 1.305702e-01 0.8174326 0.1726014  
## 429 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 430 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 431 0 0 4 1.930113e+00 0.5021872 0.2168228  
## 432 0 0 2 4.220791e-01 0.9480788 0.1664972  
## 433 0 0 7 4.282077e+00 1.2326710 0.1661874  
## 434 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 435 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 436 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 437 0 0 1 5.450082e-02 0.7044695 0.1836294  
## 438 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 439 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 440 0 0 1 8.905824e-02 0.9026501 0.1678976  
## 441 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 442 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 443 0 0 5 1.331053e+00 0.8398397 0.1710767  
## 444 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 445 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 446 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 447 1 1 4 2.243917e+00 1.7255443 0.2248925  
## 448 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 449 0 0 6 2.189981e-01 0.8462247 0.1706811  
## 450 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 451 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 452 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 453 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 454 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 455 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 456 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 457 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 458 0 0 1 5.404137e-01 0.9128756 0.1675219  
## 459 0 1 1 1.481198e-01 1.3493448 0.1686696  
## 460 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 461 0 0 4 5.656919e+00 0.7506460 0.1784430  
## 462 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 463 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 464 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 465 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 466 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 467 1 0 7 8.847673e+00 1.6445590 0.2034092  
## 468 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 469 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 470 0 0 2 5.283715e-01 0.6837456 0.1862578  
## 471 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 472 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 473 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 474 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 475 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 476 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 477 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 478 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 479 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 480 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 481 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 482 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 483 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 484 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 485 0 0 7 1.363765e+01 0.1415733 0.3205805  
## 486 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 487 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 488 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 489 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 490 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 491 1 0 5 3.643508e+00 1.5236122 0.1821471  
## 492 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 493 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 494 0 0 3 1.362623e-01 0.8123621 0.1729763  
## 495 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 496 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 497 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 498 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 499 1 0 3 1.978407e+00 1.4316719 0.1730321  
## 500 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 501 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 502 0 0 3 3.706774e-01 0.5830283 0.2015818  
## 503 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 504 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 505 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 506 0 0 1 8.126803e+00 0.4760330 0.2223084  
## 507 0 0 2 2.594793e+00 1.2866166 0.1669736  
## 508 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 509 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 510 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 511 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 512 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 513 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 514 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 515 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 516 1 0 3 1.978407e+00 1.4316719 0.1730321  
## 517 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 518 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 519 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 520 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 521 0 0 1 2.249947e+00 0.4295543 0.2327437  
## 522 0 0 2 9.449773e-01 1.0240280 0.1654374  
## 523 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 524 0 0 2 9.449773e-01 1.0240280 0.1654374  
## 525 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 526 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 527 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 528 0 0 1 1.986305e+00 1.2082640 0.1659523  
## 529 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 530 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 531 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 532 1 1 1 5.667619e-03 1.1198273 0.1654226  
## 533 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 534 0 0 2 6.217837e+00 0.2787131 0.2732456  
## 535 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 536 0 0 3 2.101859e+00 0.4222473 0.2344662  
## 537 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 538 1 0 1 1.753872e-01 1.1328484 0.1654763  
## 539 0 0 2 1.938826e+00 1.1283504 0.1654568  
## 540 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 541 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 542 0 0 2 2.905220e-01 0.9582287 0.1662727  
## 543 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 544 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 545 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 546 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 547 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 548 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 549 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 550 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 551 0 0 1 2.524010e-01 0.8700542 0.1693529  
## 552 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 553 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 554 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 555 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 556 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 557 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 558 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 559 1 0 1 5.007977e-02 0.8550264 0.1701635  
## 560 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 561 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 562 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 563 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 564 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 565 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 566 0 0 7 3.054701e+00 1.1419731 0.1655189  
## 567 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 568 0 0 5 7.096113e+00 0.4608582 0.2256177  
## 569 0 0 2 5.829435e-01 0.7205379 0.1817190  
## 570 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 571 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 572 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 573 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 574 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 575 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 576 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 577 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 578 0 0 1 9.732858e-02 0.7217448 0.1815800  
## 579 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 580 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 581 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 582 0 0 3 6.484863e-01 0.9944806 0.1656937  
## 583 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 584 0 0 1 9.979159e-02 0.9905032 0.1657418  
## 585 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 586 1 0 1 1.757865e-03 0.8234830 0.1721685  
## 587 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 588 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 589 0 1 1 8.181642e-02 0.9627584 0.1661819  
## 590 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 591 1 0 1 2.957437e-02 1.3113774 0.1675170  
## 592 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 593 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 594 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 595 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 596 0 0 7 1.403046e+00 0.7459214 0.1789307  
## 597 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 598 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 599 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 600 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 601 0 0 7 3.054701e+00 1.1419731 0.1655189  
## 602 0 0 1 1.729972e-01 0.5415950 0.2090710  
## 603 0 0 2 1.595932e+00 1.0482281 0.1653387  
## 604 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 605 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 606 1 0 1 2.085379e-03 1.1775839 0.1657221  
## 607 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 608 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 609 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 610 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 611 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 612 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 613 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 614 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 615 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 616 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 617 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 618 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 619 0 0 3 4.636784e+00 0.5929756 0.1998850  
## 620 0 0 3 2.101859e+00 0.4222473 0.2344662  
## 621 0 0 1 5.486614e+00 0.6528955 0.1905080  
## 622 1 1 1 7.201864e-02 1.5793689 0.1904806  
## 623 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 624 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 625 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 626 1 0 3 3.794320e+00 1.3641210 0.1692450  
## 627 0 0 4 1.930113e+00 0.5021872 0.2168228  
## 628 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 629 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 630 1 0 1 1.049711e-02 0.9783028 0.1659119  
## 631 0 0 1 1.837940e-01 0.8201959 0.1724017  
## 632 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 633 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 634 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 635 0 0 7 1.403046e+00 0.7459214 0.1789307  
## 636 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 637 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 638 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 639 0 0 8 5.111967e+00 0.5983016 0.1989928  
## 640 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 641 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 642 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 643 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 644 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 645 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 646 0 0 1 2.743474e-01 0.6180583 0.1957824  
## 647 0 0 2 1.382952e+00 0.8511317 0.1703886  
## 648 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 649 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 650 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 651 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 652 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 653 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 654 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 655 0 0 4 5.656919e+00 0.7506460 0.1784430  
## 656 0 0 2 7.171684e-01 1.0340596 0.1653858  
## 657 0 0 1 1.907058e-01 0.8316569 0.1716087  
## 658 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 659 0 0 6 1.186354e+00 0.7170978 0.1821186  
## 660 0 0 2 4.418997e+00 0.4337698 0.2317602  
## 661 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 662 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 663 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 664 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 665 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 666 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 667 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 668 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 669 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 670 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 671 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 672 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 673 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 674 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 675 0 0 4 3.297373e-01 0.8355020 0.1713552  
## 676 0 0 1 5.852639e-03 1.0736914 0.1653167  
## 677 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 678 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 679 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 680 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 681 0 0 1 7.824974e-01 1.1141728 0.1654021  
## 682 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 683 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 684 0 0 4 1.624619e+00 1.1383907 0.1655017  
## 685 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 686 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 687 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 688 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 689 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 690 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 691 0 0 1 2.197945e-02 0.8984748 0.1680617  
## 692 1 0 3 1.911127e-01 1.2259932 0.1661174  
## 693 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 694 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 695 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 696 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 697 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 698 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 699 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 700 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 701 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 702 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 703 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 704 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 705 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 706 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 707 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 708 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 709 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 710 1 1 1 3.256184e-02 1.1953279 0.1658478  
## 711 1 0 5 5.658951e+00 1.4616131 0.1754371  
## 712 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 713 0 0 8 5.233205e+00 0.6125266 0.1966654  
## 714 0 0 4 3.297373e-01 0.8355020 0.1713552  
## 715 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 716 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 717 0 0 1 3.236460e-01 1.2154776 0.1660162  
## 718 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 719 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 720 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 721 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 722 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 723 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 724 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 725 0 0 3 2.229589e+00 0.5526910 0.2069989  
## 726 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 727 0 1 1 8.786721e-01 1.4361525 0.1733607  
## 728 0 0 5 5.376003e+00 0.6273313 0.1943299  
## 729 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 730 0 0 1 1.305488e+00 1.0376359 0.1653712  
## 731 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 732 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 733 0 0 3 2.143419e+00 0.4488671 0.2282992  
## 734 1 0 1 2.215333e-03 1.0416643 0.1653570  
## 735 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 736 0 0 8 5.233205e+00 0.6125266 0.1966654  
## 737 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 738 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 739 1 0 1 6.833668e-04 1.0203014 0.1654607  
## 740 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 741 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 742 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 743 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 744 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 745 0 0 4 5.656919e+00 0.7506460 0.1784430  
## 746 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 747 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 748 0 0 7 1.403046e+00 0.7459214 0.1789307  
## 749 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 750 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 751 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 752 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 753 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 754 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 755 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 756 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 757 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 758 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 759 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 760 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 761 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 762 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 763 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 764 0 0 5 1.108541e+01 0.1897944 0.3026456  
## 765 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 766 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 767 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 768 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 769 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 770 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 771 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 772 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 773 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 774 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 775 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 776 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 777 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 778 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 779 0 0 3 3.512667e-01 0.4412613 0.2300309  
## 780 1 1 1 2.460161e-01 1.4863218 0.1778151  
## 781 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 782 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 783 0 0 6 1.186354e+00 0.7170978 0.1821186  
## 784 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 785 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 786 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 787 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 788 0 0 2 6.370336e-02 1.0762595 0.1653182  
## 789 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 790 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 791 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 792 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 793 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 794 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 795 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 796 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 797 0 0 7 1.403046e+00 0.7459214 0.1789307  
## 798 0 0 1 8.181946e-02 1.0868282 0.1653308  
## 799 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 800 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 801 1 0 2 9.093804e-01 1.4054524 0.1713143  
## 802 0 0 7 3.054701e+00 1.1419731 0.1655189  
## 803 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 804 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 805 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 806 1 0 1 3.164803e+00 1.5358848 0.1837824  
## 807 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 808 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 809 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 810 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 811 0 0 1 1.958019e-01 1.0336747 0.1653875  
## 812 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 813 1 0 7 8.847673e+00 1.6445590 0.2034092  
## 814 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 815 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 816 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 817 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 818 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 819 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 820 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 821 0 0 4 3.038827e+00 0.6074482 0.1974870  
## 822 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 823 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 824 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 825 1 1 1 8.655341e-03 1.4744623 0.1766272  
## 826 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 827 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 828 1 1 1 1.369403e+00 1.5224594 0.1819990  
## 829 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 830 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 831 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 832 0 0 3 5.937643e+00 0.6323678 0.1935557  
## 833 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 834 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 835 0 1 1 1.683603e+00 1.3684041 0.1694269  
## 836 0 0 1 1.810385e+00 0.6632840 0.1890321  
## 837 0 0 1 2.581517e-01 1.0236429 0.1654397  
## 838 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 839 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 840 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 841 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 842 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 843 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 844 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 845 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 846 0 0 4 3.804612e+00 1.3799624 0.1699535  
## 847 1 0 1 5.090355e-01 0.6773280 0.1871089  
## 848 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 849 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 850 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 851 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 852 1 0 5 5.658951e+00 1.4616131 0.1754371  
## 853 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 854 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 855 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 856 0 0 2 3.274865e+00 0.7464724 0.1788733  
## 857 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 858 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 859 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 860 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 861 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 862 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 863 0 0 1 1.907446e-01 1.0093662 0.1655436  
## 864 0 0 3 2.101859e+00 0.4222473 0.2344662  
## 865 0 0 3 7.000400e+00 0.1776448 0.3070261  
## 866 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 867 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 868 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 869 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 870 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 871 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 872 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 873 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 874 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 875 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 876 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 877 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 878 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 879 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 880 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 881 0 0 7 6.064961e+00 0.6577376 0.1898145  
## 882 0 0 7 1.363765e+01 0.1415733 0.3205805  
## 883 0 0 3 1.210410e+00 1.1892549 0.1658027  
## 884 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 885 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 886 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 887 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 888 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 889 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 890 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 891 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 892 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 893 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 894 0 0 3 6.166011e-01 0.9429591 0.1666218  
## 895 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 896 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 897 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 898 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 899 0 0 2 1.199689e+00 1.2620104 0.1665588  
## 900 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 901 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 902 0 0 8 6.039497e+00 0.7843440 0.1752502  
## 903 0 0 5 4.947435e+00 0.7346589 0.1801330  
## 904 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 905 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 906 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 907 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 908 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 909 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 910 0 0 8 1.974266e+00 0.8344275 0.1714254  
## 911 1 1 1 5.102560e-05 1.0044201 0.1655885  
## 912 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 913 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 914 0 0 4 3.297373e-01 0.8355020 0.1713552  
## 915 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 916 0 0 1 1.747794e-01 0.9364892 0.1667908  
## 917 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 918 1 0 5 5.658951e+00 1.4616131 0.1754371  
## 919 0 0 1 1.414051e-02 1.0269205 0.1654209  
## 920 0 0 3 4.471754e+00 1.3694027 0.1694703  
## 921 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 922 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 923 0 0 2 6.370336e-02 1.0762595 0.1653182  
## 924 0 0 1 4.912443e-01 0.9182936 0.1673377  
## 925 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 926 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 927 0 0 3 1.210410e+00 1.1892549 0.1658027  
## 928 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 929 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 930 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 931 0 0 3 6.484863e-01 0.9944806 0.1656937  
## 932 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 933 0 0 3 6.864431e+00 0.5401903 0.2093368  
## 934 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 935 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 936 0 0 1 1.273513e+00 0.5924132 0.1999799  
## 937 1 0 5 5.658951e+00 1.4616131 0.1754371  
## 938 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 939 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 940 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 941 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 942 0 0 4 1.419752e-01 1.0387221 0.1653672  
## 943 1 0 1 1.270084e-01 1.5111907 0.1806000  
## 944 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 945 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 946 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 947 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 948 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 949 0 0 2 1.227256e+00 0.7298434 0.1806640  
## 950 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 951 1 1 4 2.243917e+00 1.7255443 0.2248925  
## 952 0 0 3 7.000400e+00 0.1776448 0.3070261  
## 953 1 0 1 1.963043e-01 1.1535113 0.1655782  
## 954 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 955 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 956 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 957 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 958 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 959 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 960 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 961 0 0 7 6.064961e+00 0.6577376 0.1898145  
## 962 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 963 0 0 3 5.043708e+00 1.2225489 0.1660831  
## 964 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 965 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 966 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 967 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 968 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 969 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 970 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 971 0 0 8 1.974266e+00 0.8344275 0.1714254  
## 972 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 973 0 0 7 1.403046e+00 0.7459214 0.1789307  
## 974 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 975 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 976 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 977 0 0 1 4.127882e-02 0.9321048 0.1669127  
## 978 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 979 1 0 5 5.658951e+00 1.4616131 0.1754371  
## 980 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 981 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 982 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 983 0 0 1 2.104918e+00 0.5084453 0.2155508  
## 984 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 985 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 986 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 987 1 0 1 5.196859e-02 1.2256049 0.1661135  
## 988 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 989 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 990 0 0 1 5.856650e+00 0.7628965 0.1772243  
## 991 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 992 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 993 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 994 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 995 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 996 0 0 8 5.111967e+00 0.5983016 0.1989928  
## 997 0 0 8 6.039497e+00 0.7843440 0.1752502  
## 998 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 999 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1000 0 0 5 7.096113e+00 0.4608582 0.2256177  
## 1001 0 1 2 8.566768e-01 1.5242301 0.1822268  
## 1002 1 1 1 1.761737e-01 1.3949588 0.1707193  
## 1003 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1004 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1005 0 0 3 6.578480e+00 0.4948690 0.2183302  
## 1006 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1007 0 0 1 3.558725e-01 0.8668059 0.1695204  
## 1008 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1009 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1010 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1011 0 0 1 9.898887e-03 1.0586059 0.1653209  
## 1012 0 0 2 1.595932e+00 1.0482281 0.1653387  
## 1013 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1014 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 1015 0 0 3 8.122716e-01 0.7417247 0.1793722  
## 1016 0 0 1 5.901414e-01 0.4481332 0.2284653  
## 1017 0 0 8 5.233205e+00 0.6125266 0.1966654  
## 1018 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1019 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1020 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1021 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1022 0 0 6 2.189981e-01 0.8462247 0.1706811  
## 1023 0 0 3 6.578480e+00 0.4948690 0.2183302  
## 1024 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 1025 1 1 6 4.721296e+00 1.7516176 0.2332026  
## 1026 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1027 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1028 0 0 3 7.000400e+00 0.1776448 0.3070261  
## 1029 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1030 0 0 6 2.189981e-01 0.8462247 0.1706811  
## 1031 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1032 0 1 1 1.432401e+00 1.3789581 0.1699056  
## 1033 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1034 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1035 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1036 1 0 7 8.847673e+00 1.6445590 0.2034092  
## 1037 1 1 4 2.243917e+00 1.7255443 0.2248925  
## 1038 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1039 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1040 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 1041 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1042 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1043 0 0 1 2.275385e-01 0.8662093 0.1695517  
## 1044 0 1 3 4.114813e+00 1.6507824 0.2048386  
## 1045 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1046 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1047 1 0 2 9.019873e-01 1.3297475 0.1680207  
## 1048 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1049 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1050 0 0 2 1.275577e+00 0.4420053 0.2298605  
## 1051 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1052 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1053 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1054 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 1055 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1056 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1057 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1058 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1059 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1060 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1061 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1062 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1063 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1064 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1065 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1066 1 0 7 8.847673e+00 1.6445590 0.2034092  
## 1067 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1068 1 0 2 2.139192e-02 1.3378374 0.1682737  
## 1069 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1070 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1071 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 1072 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1073 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1074 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1075 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1076 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1077 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1078 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1079 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1080 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1081 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1082 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1083 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1084 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1085 0 0 5 7.096113e+00 0.4608582 0.2256177  
## 1086 0 1 3 2.516087e+00 1.4662212 0.1758525  
## 1087 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1088 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1089 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1090 0 0 3 1.210410e+00 1.1892549 0.1658027  
## 1091 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1092 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1093 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1094 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1095 0 1 3 2.516087e+00 1.4662212 0.1758525  
## 1096 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1097 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1098 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1099 0 0 1 6.204677e-02 0.9332918 0.1668791  
## 1100 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1101 1 0 3 1.978407e+00 1.4316719 0.1730321  
## 1102 1 0 5 3.643508e+00 1.5236122 0.1821471  
## 1103 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1104 0 0 8 5.111967e+00 0.5983016 0.1989928  
## 1105 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 1106 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1107 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1108 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1109 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1110 1 0 2 2.605610e-01 1.0821872 0.1653241  
## 1111 0 0 1 3.653754e-01 0.8394278 0.1711028  
## 1112 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1113 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1114 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1115 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1116 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1117 0 0 8 1.974266e+00 0.8344275 0.1714254  
## 1118 0 0 2 5.545838e-01 0.5754806 0.2028955  
## 1119 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1120 1 1 2 4.538808e+00 1.7322180 0.2269524  
## 1121 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1122 0 0 3 4.636784e+00 0.5929756 0.1998850  
## 1123 0 0 1 8.345472e-01 0.6068992 0.1975764  
## 1124 0 0 7 4.282077e+00 1.2326710 0.1661874  
## 1125 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1126 0 1 3 4.114813e+00 1.6507824 0.2048386  
## 1127 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1128 0 0 1 2.065019e+00 0.6978641 0.1844472  
## 1129 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1130 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1131 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1132 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 1133 1 1 2 1.117954e-01 1.4587713 0.1751871  
## 1134 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1135 0 0 3 6.578480e+00 0.4948690 0.2183302  
## 1136 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1137 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1138 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1139 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1140 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1141 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1142 0 0 1 2.367319e+00 1.3656509 0.1693092  
## 1143 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1144 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1145 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1146 0 0 8 6.039497e+00 0.7843440 0.1752502  
## 1147 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1148 0 0 4 7.327125e+00 0.4136745 0.2365162  
## 1149 0 0 5 1.331053e+00 0.8398397 0.1710767  
## 1150 0 0 6 1.186354e+00 0.7170978 0.1821186  
## 1151 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1152 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1153 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1154 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1155 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1156 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1157 0 0 1 1.089311e-01 1.0412182 0.1653585  
## 1158 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1159 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1160 0 0 1 1.001988e-01 0.7442036 0.1791105  
## 1161 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1162 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1163 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1164 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1165 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1166 0 0 3 6.686247e+00 1.4672973 0.1759514  
## 1167 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1168 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1169 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1170 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1171 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1172 0 0 1 1.623052e-01 1.1031977 0.1653675  
## 1173 0 0 5 8.971184e+00 0.2238799 0.2908353  
## 1174 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1175 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1176 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1177 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1178 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1179 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1180 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1181 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1182 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1183 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1184 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1185 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 1186 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1187 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1188 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1189 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1190 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1191 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1192 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1193 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1194 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1195 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1196 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1197 0 0 3 2.143419e+00 0.4488671 0.2282992  
## 1198 1 1 1 6.161142e-01 1.6745757 0.2106346  
## 1199 0 0 1 1.506483e+00 0.6523847 0.1905817  
## 1200 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1201 0 0 2 4.220791e-01 0.9480788 0.1664972  
## 1202 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1203 0 0 3 6.686247e+00 1.4672973 0.1759514  
## 1204 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1205 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 1206 0 0 2 1.938826e+00 1.1283504 0.1654568  
## 1207 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1208 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1209 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1210 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1211 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1212 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1213 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1214 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1215 0 1 3 2.516087e+00 1.4662212 0.1758525  
## 1216 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1217 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1218 1 0 2 9.093804e-01 1.4054524 0.1713143  
## 1219 0 0 1 7.397839e-01 1.0051090 0.1655819  
## 1220 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1221 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1222 1 0 7 8.847673e+00 1.6445590 0.2034092  
## 1223 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1224 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1225 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1226 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1227 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 1228 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1229 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1230 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1231 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1232 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1233 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 1234 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1235 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1236 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 1237 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1238 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1239 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1240 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1241 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1242 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1243 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 1244 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1245 0 1 1 1.132160e-02 0.7615605 0.1773540  
## 1246 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1247 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1248 0 0 2 1.382952e+00 0.8511317 0.1703886  
## 1249 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1250 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1251 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1252 0 0 1 1.372606e+00 0.4490308 0.2282622  
## 1253 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1254 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1255 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1256 1 0 3 3.794320e+00 1.3641210 0.1692450  
## 1257 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1258 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1259 0 0 3 4.471754e+00 1.3694027 0.1694703  
## 1260 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1261 0 0 1 1.792479e-01 1.2121359 0.1659861  
## 1262 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1263 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1264 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1265 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1266 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1267 1 0 1 3.800844e-01 1.5061651 0.1800041  
## 1268 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1269 0 0 3 2.143419e+00 0.4488671 0.2282992  
## 1270 0 0 5 5.376003e+00 0.6273313 0.1943299  
## 1271 0 0 3 1.840851e+00 0.8023302 0.1737510  
## 1272 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1273 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1274 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1275 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1276 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1277 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1278 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1279 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 1280 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1281 0 0 3 5.937643e+00 0.6323678 0.1935557  
## 1282 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1283 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1284 1 1 1 6.153700e-04 1.3607210 0.1691056  
## 1285 0 0 1 7.080117e-01 1.1811149 0.1657457  
## 1286 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1287 0 0 1 2.672288e+00 1.2189420 0.1660484  
## 1288 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1289 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1290 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1291 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1292 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1293 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1294 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1295 0 0 1 6.462969e-04 1.0026048 0.1656062  
## 1296 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1297 1 1 1 4.714872e-01 1.5991494 0.1940216  
## 1298 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1299 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1300 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1301 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1302 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1303 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1304 0 0 1 7.849561e-01 0.7291656 0.1807396  
## 1305 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1306 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1307 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1308 1 1 1 4.353517e-06 1.0082723 0.1655531  
## 1309 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1310 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1311 0 0 1 2.197032e-01 1.0130351 0.1655133  
## 1312 0 0 7 4.282077e+00 1.2326710 0.1661874  
## 1313 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1314 1 1 6 4.721296e+00 1.7516176 0.2332026  
## 1315 0 0 3 5.937643e+00 0.6323678 0.1935557  
## 1316 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1317 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1318 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1319 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1320 0 0 1 4.014622e-02 1.0083922 0.1655520  
## 1321 1 1 1 2.243902e-02 1.4465230 0.1741627  
## 1322 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1323 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1324 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1325 0 0 5 1.108541e+01 0.1897944 0.3026456  
## 1326 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1327 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1328 0 0 7 6.064961e+00 0.6577376 0.1898145  
## 1329 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1330 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1331 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1332 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1333 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1334 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1335 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1336 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1337 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1338 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1339 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1340 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1341 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1342 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1343 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1344 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1345 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1346 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1347 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1348 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1349 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1350 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1351 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 1352 0 0 1 9.331456e-01 1.0988685 0.1653560  
## 1353 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1354 0 0 8 5.111967e+00 0.5983016 0.1989928  
## 1355 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1356 1 1 2 5.218605e-01 1.5855250 0.1915484  
## 1357 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1358 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1359 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1360 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1361 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1362 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1363 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1364 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1365 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1366 0 0 3 8.122716e-01 0.7417247 0.1793722  
## 1367 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1368 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1369 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1370 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1371 0 0 3 6.249028e+00 0.6879827 0.1857054  
## 1372 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1373 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1374 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1375 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1376 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1377 0 1 1 5.173795e-01 1.2820038 0.1668873  
## 1378 0 0 5 8.971184e+00 0.2238799 0.2908353  
## 1379 0 0 8 6.039497e+00 0.7843440 0.1752502  
## 1380 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1381 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1382 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1383 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1384 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1385 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1386 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1387 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1388 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1389 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1390 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1391 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1392 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1393 1 0 2 2.139192e-02 1.3378374 0.1682737  
## 1394 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1395 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1396 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1397 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1398 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1399 0 0 3 1.591725e+00 0.8655034 0.1695888  
## 1400 0 0 3 8.122716e-01 0.7417247 0.1793722  
## 1401 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 1402 0 0 4 7.327125e+00 0.4136745 0.2365162  
## 1403 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1404 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1405 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1406 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1407 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1408 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1409 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1410 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1411 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1412 1 0 2 2.605610e-01 1.0821872 0.1653241  
## 1413 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1414 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1415 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 1416 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1417 0 0 4 3.804612e+00 1.3799624 0.1699535  
## 1418 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1419 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1420 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1421 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1422 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1423 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1424 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1425 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1426 0 0 3 1.362623e-01 0.8123621 0.1729763  
## 1427 1 1 1 1.652527e-04 1.2536461 0.1664410  
## 1428 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1429 0 0 3 1.362623e-01 0.8123621 0.1729763  
## 1430 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1431 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1432 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1433 0 0 1 5.580257e-01 0.5463143 0.2081838  
## 1434 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1435 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1436 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1437 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1438 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1439 0 0 2 5.829435e-01 0.7205379 0.1817190  
## 1440 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1441 0 0 3 3.512667e-01 0.4412613 0.2300309  
## 1442 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1443 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1444 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1445 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1446 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1447 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 1448 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1449 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1450 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1451 0 0 8 5.111967e+00 0.5983016 0.1989928  
## 1452 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 1453 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1454 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1455 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1456 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1457 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1458 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1459 0 0 1 1.062816e+00 1.3349481 0.1681810  
## 1460 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1461 0 0 3 4.442144e-01 1.1674539 0.1656581  
## 1462 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1463 0 0 3 2.414337e-01 0.9444521 0.1665847  
## 1464 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1465 0 0 4 7.327125e+00 0.4136745 0.2365162  
## 1466 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1467 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1468 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1469 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1470 1 0 1 1.398555e+00 1.5066212 0.1800575  
## 1471 1 0 5 3.643508e+00 1.5236122 0.1821471  
## 1472 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1473 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1474 0 0 8 1.974266e+00 0.8344275 0.1714254  
## 1475 0 0 7 1.363765e+01 0.1415733 0.3205805  
## 1476 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1477 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1478 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1479 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1480 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1481 1 0 1 6.614260e-02 1.2230858 0.1660884  
## 1482 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 1483 0 0 1 3.990197e-01 0.8840987 0.1686763  
## 1484 1 1 6 4.721296e+00 1.7516176 0.2332026  
## 1485 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1486 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1487 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1488 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1489 1 1 6 4.721296e+00 1.7516176 0.2332026  
## 1490 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1491 1 0 1 1.018546e+00 1.2569033 0.1664856  
## 1492 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1493 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1494 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 1495 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1496 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1497 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1498 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1499 1 1 1 3.123160e-01 1.4834404 0.1775184  
## 1500 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1501 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1502 0 0 1 2.235987e+00 0.4753371 0.2224581  
## 1503 0 0 8 5.233205e+00 0.6125266 0.1966654  
## 1504 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1505 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1506 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1507 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1508 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1509 0 0 3 2.229589e+00 0.5526910 0.2069989  
## 1510 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1511 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1512 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1513 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1514 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 1515 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1516 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1517 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1518 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1519 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1520 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1521 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1522 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 1523 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1524 0 0 5 4.947435e+00 0.7346589 0.1801330  
## 1525 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1526 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1527 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1528 1 1 1 5.412715e-05 1.1751562 0.1657063  
## 1529 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1530 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1531 0 0 3 2.414337e-01 0.9444521 0.1665847  
## 1532 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1533 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1534 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1535 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1536 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1537 0 0 3 3.512667e-01 0.4412613 0.2300309  
## 1538 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1539 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1540 0 0 4 3.297373e-01 0.8355020 0.1713552  
## 1541 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1542 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1543 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1544 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1545 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 1546 0 0 1 4.281645e-01 0.6179378 0.1958015  
## 1547 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1548 0 0 5 8.971184e+00 0.2238799 0.2908353  
## 1549 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1550 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1551 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1552 0 0 1 5.505751e-01 0.8069875 0.1733859  
## 1553 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1554 0 1 1 4.233537e-02 1.3462648 0.1685593  
## 1555 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1556 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1557 0 0 4 1.930113e+00 0.5021872 0.2168228  
## 1558 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1559 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1560 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1561 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1562 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1563 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1564 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1565 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 1566 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 1567 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1568 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1569 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1570 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1571 1 0 1 1.430760e-02 0.8744963 0.1691306  
## 1572 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1573 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1574 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1575 0 0 6 2.189981e-01 0.8462247 0.1706811  
## 1576 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1577 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1578 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1579 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1580 0 0 3 3.706774e-01 0.5830283 0.2015818  
## 1581 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1582 1 1 1 5.259103e-01 1.5054944 0.1799259  
## 1583 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1584 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1585 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1586 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1587 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1588 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1589 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1590 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1591 0 0 8 1.974266e+00 0.8344275 0.1714254  
## 1592 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1593 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1594 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1595 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1596 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1597 0 0 5 4.947435e+00 0.7346589 0.1801330  
## 1598 0 0 3 3.706774e-01 0.5830283 0.2015818  
## 1599 0 0 2 3.274865e+00 0.7464724 0.1788733  
## 1600 0 0 4 1.419752e-01 1.0387221 0.1653672  
## 1601 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1602 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 1603 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1604 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1605 0 0 4 3.038827e+00 0.6074482 0.1974870  
## 1606 1 0 1 3.502145e-03 1.2123231 0.1659877  
## 1607 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1608 0 0 1 1.492085e-02 0.8797561 0.1688773  
## 1609 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1610 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1611 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1612 0 0 1 1.437143e+00 0.6119822 0.1967530  
## 1613 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 1614 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1615 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1616 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1617 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1618 0 0 7 1.403046e+00 0.7459214 0.1789307  
## 1619 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1620 0 0 3 5.043708e+00 1.2225489 0.1660831  
## 1621 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1622 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1623 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1624 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1625 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1626 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1627 1 1 1 3.939750e-01 1.4267257 0.1726816  
## 1628 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1629 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1630 0 0 5 5.376003e+00 0.6273313 0.1943299  
## 1631 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1632 0 0 5 5.376003e+00 0.6273313 0.1943299  
## 1633 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1634 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1635 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1636 0 1 1 1.676436e-02 0.5335484 0.2106040  
## 1637 0 0 4 7.327125e+00 0.4136745 0.2365162  
## 1638 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1639 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1640 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1641 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1642 0 0 7 6.064961e+00 0.6577376 0.1898145  
## 1643 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1644 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1645 0 0 11 2.162340e+01 0.6328947 0.1934753  
## 1646 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1647 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1648 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1649 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1650 0 0 2 5.908557e-01 0.8389627 0.1711323  
## 1651 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1652 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1653 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 1654 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1655 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1656 0 0 2 7.171684e-01 1.0340596 0.1653858  
## 1657 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1658 0 0 2 6.217837e+00 0.2787131 0.2732456  
## 1659 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1660 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1661 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1662 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1663 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1664 0 0 2 5.908557e-01 0.8389627 0.1711323  
## 1665 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1666 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1667 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1668 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1669 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1670 0 1 3 4.114813e+00 1.6507824 0.2048386  
## 1671 1 0 2 2.202623e+00 1.2814855 0.1668778  
## 1672 0 0 2 1.868788e-01 0.9472483 0.1665168  
## 1673 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1674 1 0 1 5.865327e-03 0.9120729 0.1675501  
## 1675 0 0 2 4.418997e+00 0.4337698 0.2317602  
## 1676 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1677 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1678 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1679 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1680 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1681 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1682 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1683 0 0 1 4.610678e-02 1.0535592 0.1653279  
## 1684 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1685 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1686 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1687 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1688 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1689 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1690 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1691 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1692 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1693 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1694 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1695 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1696 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1697 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1698 0 0 1 5.118042e-01 0.4581224 0.2262243  
## 1699 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1700 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 1701 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1702 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1703 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1704 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1705 0 0 1 4.999665e-01 1.0952969 0.1653474  
## 1706 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1707 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1708 0 0 7 4.282077e+00 1.2326710 0.1661874  
## 1709 1 1 1 3.673194e-01 1.5714903 0.1891585  
## 1710 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1711 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1712 0 0 20 3.239750e+01 0.2250684 0.2904359  
## 1713 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1714 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 1715 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1716 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1717 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1718 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1719 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1720 0 0 1 1.680223e-01 1.0300117 0.1654047  
## 1721 0 0 3 6.686247e+00 1.4672973 0.1759514  
## 1722 0 0 1 1.661459e+00 0.8852518 0.1686241  
## 1723 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1724 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1725 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1726 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1727 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1728 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1729 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1730 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1731 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1732 1 1 1 6.384137e-02 1.3719902 0.1695846  
## 1733 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1734 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1735 0 0 1 1.002404e-01 0.9328495 0.1668916  
## 1736 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1737 1 0 1 3.695965e-01 1.1570975 0.1655979  
## 1738 0 0 1 1.191668e-01 0.7874101 0.1749846  
## 1739 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1740 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1741 0 1 1 9.044837e-02 1.4054934 0.1713168  
## 1742 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1743 0 0 1 2.217131e-02 0.9076961 0.1677076  
## 1744 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1745 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1746 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1747 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1748 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1749 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1750 0 0 7 3.054701e+00 1.1419731 0.1655189  
## 1751 0 0 5 1.331053e+00 0.8398397 0.1710767  
## 1752 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1753 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1754 0 0 3 6.166011e-01 0.9429591 0.1666218  
## 1755 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1756 0 0 2 2.594793e+00 1.2866166 0.1669736  
## 1757 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1758 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1759 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1760 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1761 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1762 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1763 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1764 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1765 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1766 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1767 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1768 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1769 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1770 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1771 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1772 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1773 0 0 1 2.485583e-01 0.6129042 0.1966047  
## 1774 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1775 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1776 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1777 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1778 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1779 0 0 8 1.974266e+00 0.8344275 0.1714254  
## 1780 0 0 2 1.399044e+00 0.7563338 0.1778689  
## 1781 0 0 8 1.974266e+00 0.8344275 0.1714254  
## 1782 1 0 1 3.396428e-03 1.1167309 0.1654112  
## 1783 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 1784 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1785 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1786 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1787 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1788 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 1789 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1790 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1791 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1792 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1793 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1794 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1795 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1796 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 1797 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1798 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1799 0 0 12 5.555721e-02 0.9295605 0.1669863  
## 1800 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1801 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1802 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1803 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1804 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1805 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1806 1 0 7 8.847673e+00 1.6445590 0.2034092  
## 1807 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1808 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1809 0 0 4 1.419752e-01 1.0387221 0.1653672  
## 1810 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1811 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 1812 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1813 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1814 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1815 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1816 0 0 2 1.868788e-01 0.9472483 0.1665168  
## 1817 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1818 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1819 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1820 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1821 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1822 0 0 1 2.079057e+00 0.9241170 0.1671508  
## 1823 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1824 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1825 0 0 3 6.864431e+00 0.5401903 0.2093368  
## 1826 0 0 2 1.199689e+00 1.2620104 0.1665588  
## 1827 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1828 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1829 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1830 0 0 22 2.248710e+00 0.9433497 0.1666120  
## 1831 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1832 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1833 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1834 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1835 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1836 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1837 0 0 8 5.111967e+00 0.5983016 0.1989928  
## 1838 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1839 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1840 0 0 5 7.096113e+00 0.4608582 0.2256177  
## 1841 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1842 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1843 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1844 1 1 6 4.721296e+00 1.7516176 0.2332026  
## 1845 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1846 0 0 7 1.363765e+01 0.1415733 0.3205805  
## 1847 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1848 1 0 7 8.847673e+00 1.6445590 0.2034092  
## 1849 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1850 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1851 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1852 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1853 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1854 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1855 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1856 0 0 1 1.466389e+00 1.1177493 0.1654149  
## 1857 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1858 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1859 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1860 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1861 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1862 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1863 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1864 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1865 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1866 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1867 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1868 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1869 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1870 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1871 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1872 1 0 2 1.305702e-01 0.8174326 0.1726014  
## 1873 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1874 0 0 7 6.064961e+00 0.6577376 0.1898145  
## 1875 0 0 8 6.039497e+00 0.7843440 0.1752502  
## 1876 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1877 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1878 0 0 7 1.363765e+01 0.1415733 0.3205805  
## 1879 0 0 3 6.249028e+00 0.6879827 0.1857054  
## 1880 1 1 1 1.327088e-01 1.7132633 0.2212205  
## 1881 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1882 0 0 1 3.042438e-03 1.0765258 0.1653184  
## 1883 0 0 15 3.307372e+01 0.2362189 0.2867292  
## 1884 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1885 0 0 7 4.282077e+00 1.2326710 0.1661874  
## 1886 0 0 7 6.064961e+00 0.6577376 0.1898145  
## 1887 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1888 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1889 0 0 5 1.331053e+00 0.8398397 0.1710767  
## 1890 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1891 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 1892 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1893 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1894 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1895 0 0 1 1.018161e-01 0.5824563 0.2016806  
## 1896 0 0 1 1.542285e-01 0.7351757 0.1800766  
## 1897 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1898 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1899 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1900 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1901 1 1 1 1.372864e+00 1.7064478 0.2192483  
## 1902 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1903 1 1 2 1.117954e-01 1.4587713 0.1751871  
## 1904 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1905 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1906 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1907 0 0 3 4.636784e+00 0.5929756 0.1998850  
## 1908 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1909 0 0 5 5.376003e+00 0.6273313 0.1943299  
## 1910 0 0 8 5.111967e+00 0.5983016 0.1989928  
## 1911 0 0 14 7.343353e+00 1.3142207 0.1675889  
## 1912 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1913 0 0 32 2.578199e+01 0.4615739 0.2254595  
## 1914 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1915 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1916 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1917 0 0 7 4.282077e+00 1.2326710 0.1661874  
## 1918 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1919 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1920 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1921 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1922 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1923 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1924 0 0 1 5.179539e-01 0.9284527 0.1670190  
## 1925 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1926 0 0 3 6.864431e+00 0.5401903 0.2093368  
## 1927 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1928 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1929 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1930 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1931 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1932 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1933 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1934 0 0 1 2.030806e+00 0.5469238 0.2080698  
## 1935 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1936 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1937 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1938 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1939 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1940 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1941 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1942 0 0 1 1.135804e-01 1.0414785 0.1653576  
## 1943 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1944 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1945 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1946 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1947 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1948 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1949 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1950 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1951 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1952 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1953 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1954 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1955 0 0 4 1.624619e+00 1.1383907 0.1655017  
## 1956 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1957 0 0 1 3.762692e-01 0.3920787 0.2418217  
## 1958 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1959 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1960 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1961 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1962 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1963 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1964 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1965 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1966 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1967 1 1 68 6.292215e+01 1.9722163 0.3334263  
## 1968 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1969 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1970 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1971 1 1 1 1.128232e-02 1.3875034 0.1703265  
## 1972 0 0 4 1.930113e+00 0.5021872 0.2168228  
## 1973 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1974 0 0 96 1.192961e+02 0.2118270 0.2949321  
## 1975 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1976 0 0 1 2.262297e-01 0.9336836 0.1668681  
## 1977 0 0 10 6.912732e+00 0.6925857 0.1851141  
## 1978 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1979 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1980 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1981 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1982 1 0 3 1.911127e-01 1.2259932 0.1661174  
## 1983 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1984 0 0 11 6.952335e+00 0.8143851 0.1728254  
## 1985 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1986 0 0 1 6.424318e-02 1.2244723 0.1661021  
## 1987 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1988 0 1 1 6.099924e-02 0.5341721 0.2104843  
## 1989 0 0 71 2.787779e+01 0.4683356 0.2239753  
## 1990 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1991 0 0 4 1.624619e+00 1.1383907 0.1655017  
## 1992 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1993 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1994 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1995 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1996 1 1 1 4.274928e-03 1.3648624 0.1692760  
## 1997 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 1998 0 0 5 1.108541e+01 0.1897944 0.3026456  
## 1999 0 0 1139 1.040825e+03 -0.4164571 0.6333718  
## 2000 0 0 5 7.096113e+00 0.4608582 0.2256177  
##   
## $method  
## [1] "EB"  
##   
## $B  
## [1] 5  
##   
## $call  
## ltm(formula = D[, 2:13] ~ z1)  
##   
## $resp.pats  
## [1] TRUE  
##   
## $coef  
## Dffclt Dscrmn  
## ia\_1ad 0.3476844 3.675768  
## ia\_2ad 1.0631911 3.428890  
## ia\_3ad 0.6762627 3.830362  
## ia\_4ad 1.1744223 2.931485  
## ia\_5ad 1.0149857 3.816292  
## ia\_6ad 1.2442169 3.298130  
## ia\_7men 0.6506842 3.964264  
## ia\_8men 0.8812806 5.499213  
## ia\_9men 0.9566581 4.506975  
## ia\_10men 1.3819343 5.242814  
## ia\_11men 1.4151620 5.058664  
## ia\_12men 1.5696368 5.208034

hist(rp$score.dat$z1)



# Otro paquete: mirt

library(mirt)

## Warning: package 'mirt' was built under R version 4.0.5

## Loading required package: stats4

## Loading required package: lattice

##   
## Attaching package: 'mirt'

## The following object is masked from 'package:ltm':  
##   
## Science

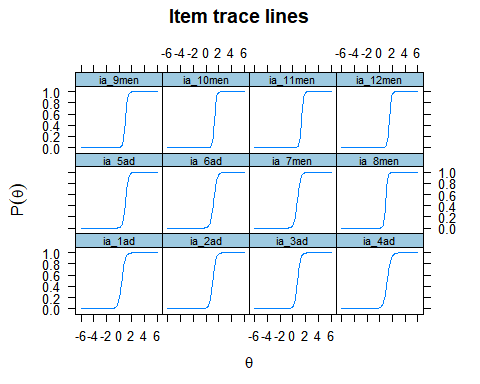
m<-mirt(D[,2:13], 1, itemtype = '2PL')

## Iteration: 1, Log-Lik: -7898.525, Max-Change: 2.21731Iteration: 2, Log-Lik: -6638.457, Max-Change: 2.35077Iteration: 3, Log-Lik: -6362.933, Max-Change: 1.22437Iteration: 4, Log-Lik: -6231.959, Max-Change: 1.22108Iteration: 5, Log-Lik: -6166.735, Max-Change: 0.80797Iteration: 6, Log-Lik: -6128.319, Max-Change: 0.45317Iteration: 7, Log-Lik: -6109.049, Max-Change: 0.35415Iteration: 8, Log-Lik: -6095.598, Max-Change: 0.29198Iteration: 9, Log-Lik: -6087.486, Max-Change: 0.18447Iteration: 10, Log-Lik: -6081.755, Max-Change: 0.15988Iteration: 11, Log-Lik: -6077.695, Max-Change: 0.12070Iteration: 12, Log-Lik: -6074.141, Max-Change: 0.09036Iteration: 13, Log-Lik: -6070.996, Max-Change: 0.06720Iteration: 14, Log-Lik: -6068.816, Max-Change: 0.05038Iteration: 15, Log-Lik: -6067.047, Max-Change: 0.04477Iteration: 16, Log-Lik: -6065.111, Max-Change: 0.04762Iteration: 17, Log-Lik: -6063.558, Max-Change: 0.03208Iteration: 18, Log-Lik: -6062.366, Max-Change: 0.04187Iteration: 19, Log-Lik: -6061.391, Max-Change: 0.04101Iteration: 20, Log-Lik: -6060.352, Max-Change: 0.02764Iteration: 21, Log-Lik: -6059.474, Max-Change: 0.03983Iteration: 22, Log-Lik: -6058.292, Max-Change: 0.02532Iteration: 23, Log-Lik: -6057.621, Max-Change: 0.02535Iteration: 24, Log-Lik: -6056.971, Max-Change: 0.02036Iteration: 25, Log-Lik: -6055.047, Max-Change: 0.02217Iteration: 26, Log-Lik: -6054.670, Max-Change: 0.02355Iteration: 27, Log-Lik: -6054.295, Max-Change: 0.01770Iteration: 28, Log-Lik: -6053.844, Max-Change: 0.01706Iteration: 29, Log-Lik: -6053.556, Max-Change: 0.01584Iteration: 30, Log-Lik: -6053.294, Max-Change: 0.01493Iteration: 31, Log-Lik: -6052.233, Max-Change: 0.01015Iteration: 32, Log-Lik: -6052.083, Max-Change: 0.01168Iteration: 33, Log-Lik: -6051.950, Max-Change: 0.01053Iteration: 34, Log-Lik: -6051.710, Max-Change: 0.00955Iteration: 35, Log-Lik: -6051.613, Max-Change: 0.00928Iteration: 36, Log-Lik: -6051.526, Max-Change: 0.00871Iteration: 37, Log-Lik: -6051.286, Max-Change: 0.00754Iteration: 38, Log-Lik: -6051.227, Max-Change: 0.00724Iteration: 39, Log-Lik: -6051.173, Max-Change: 0.01515Iteration: 40, Log-Lik: -6051.120, Max-Change: 0.01081Iteration: 41, Log-Lik: -6051.069, Max-Change: 0.00674Iteration: 42, Log-Lik: -6051.027, Max-Change: 0.00442Iteration: 43, Log-Lik: -6050.940, Max-Change: 0.00580Iteration: 44, Log-Lik: -6050.912, Max-Change: 0.00489Iteration: 45, Log-Lik: -6050.885, Max-Change: 0.00564Iteration: 46, Log-Lik: -6050.832, Max-Change: 0.00487Iteration: 47, Log-Lik: -6050.813, Max-Change: 0.00416Iteration: 48, Log-Lik: -6050.795, Max-Change: 0.00277Iteration: 49, Log-Lik: -6050.769, Max-Change: 0.00255Iteration: 50, Log-Lik: -6050.754, Max-Change: 0.00309Iteration: 51, Log-Lik: -6050.741, Max-Change: 0.00243Iteration: 52, Log-Lik: -6050.703, Max-Change: 0.00215Iteration: 53, Log-Lik: -6050.695, Max-Change: 0.00238Iteration: 54, Log-Lik: -6050.686, Max-Change: 0.00178Iteration: 55, Log-Lik: -6050.674, Max-Change: 0.00186Iteration: 56, Log-Lik: -6050.668, Max-Change: 0.00198Iteration: 57, Log-Lik: -6050.662, Max-Change: 0.00182Iteration: 58, Log-Lik: -6050.635, Max-Change: 0.00088Iteration: 59, Log-Lik: -6050.634, Max-Change: 0.00275Iteration: 60, Log-Lik: -6050.632, Max-Change: 0.00097Iteration: 61, Log-Lik: -6050.631, Max-Change: 0.00098Iteration: 62, Log-Lik: -6050.629, Max-Change: 0.00095Iteration: 63, Log-Lik: -6050.628, Max-Change: 0.00092Iteration: 64, Log-Lik: -6050.620, Max-Change: 0.00088Iteration: 65, Log-Lik: -6050.619, Max-Change: 0.00081Iteration: 66, Log-Lik: -6050.618, Max-Change: 0.00075Iteration: 67, Log-Lik: -6050.614, Max-Change: 0.00074Iteration: 68, Log-Lik: -6050.613, Max-Change: 0.00061Iteration: 69, Log-Lik: -6050.613, Max-Change: 0.00061Iteration: 70, Log-Lik: -6050.611, Max-Change: 0.00056Iteration: 71, Log-Lik: -6050.611, Max-Change: 0.00059Iteration: 72, Log-Lik: -6050.610, Max-Change: 0.00033Iteration: 73, Log-Lik: -6050.610, Max-Change: 0.00038Iteration: 74, Log-Lik: -6050.610, Max-Change: 0.00030Iteration: 75, Log-Lik: -6050.610, Max-Change: 0.00031Iteration: 76, Log-Lik: -6050.610, Max-Change: 0.00035Iteration: 77, Log-Lik: -6050.609, Max-Change: 0.00027Iteration: 78, Log-Lik: -6050.609, Max-Change: 0.00024Iteration: 79, Log-Lik: -6050.609, Max-Change: 0.00025Iteration: 80, Log-Lik: -6050.609, Max-Change: 0.00021Iteration: 81, Log-Lik: -6050.609, Max-Change: 0.00023Iteration: 82, Log-Lik: -6050.609, Max-Change: 0.00028Iteration: 83, Log-Lik: -6050.609, Max-Change: 0.00021Iteration: 84, Log-Lik: -6050.609, Max-Change: 0.00026Iteration: 85, Log-Lik: -6050.609, Max-Change: 0.00020Iteration: 86, Log-Lik: -6050.609, Max-Change: 0.00023Iteration: 87, Log-Lik: -6050.609, Max-Change: 0.00019Iteration: 88, Log-Lik: -6050.609, Max-Change: 0.00022Iteration: 89, Log-Lik: -6050.609, Max-Change: 0.00018Iteration: 90, Log-Lik: -6050.609, Max-Change: 0.00021Iteration: 91, Log-Lik: -6050.609, Max-Change: 0.00017Iteration: 92, Log-Lik: -6050.609, Max-Change: 0.00018Iteration: 93, Log-Lik: -6050.609, Max-Change: 0.00016Iteration: 94, Log-Lik: -6050.609, Max-Change: 0.00016Iteration: 95, Log-Lik: -6050.609, Max-Change: 0.00015Iteration: 96, Log-Lik: -6050.609, Max-Change: 0.00016Iteration: 97, Log-Lik: -6050.609, Max-Change: 0.00015Iteration: 98, Log-Lik: -6050.609, Max-Change: 0.00014Iteration: 99, Log-Lik: -6050.609, Max-Change: 0.00014Iteration: 100, Log-Lik: -6050.609, Max-Change: 0.00013Iteration: 101, Log-Lik: -6050.609, Max-Change: 0.00014Iteration: 102, Log-Lik: -6050.609, Max-Change: 0.00013Iteration: 103, Log-Lik: -6050.609, Max-Change: 0.00013Iteration: 104, Log-Lik: -6050.609, Max-Change: 0.00013Iteration: 105, Log-Lik: -6050.609, Max-Change: 0.00013Iteration: 106, Log-Lik: -6050.609, Max-Change: 0.00012Iteration: 107, Log-Lik: -6050.609, Max-Change: 0.00012Iteration: 108, Log-Lik: -6050.609, Max-Change: 0.00012Iteration: 109, Log-Lik: -6050.609, Max-Change: 0.00012Iteration: 110, Log-Lik: -6050.609, Max-Change: 0.00012Iteration: 111, Log-Lik: -6050.609, Max-Change: 0.00012Iteration: 112, Log-Lik: -6050.609, Max-Change: 0.00011Iteration: 113, Log-Lik: -6050.609, Max-Change: 0.00012Iteration: 114, Log-Lik: -6050.609, Max-Change: 0.00011Iteration: 115, Log-Lik: -6050.609, Max-Change: 0.00011Iteration: 116, Log-Lik: -6050.609, Max-Change: 0.00011Iteration: 117, Log-Lik: -6050.609, Max-Change: 0.00011Iteration: 118, Log-Lik: -6050.609, Max-Change: 0.00011Iteration: 119, Log-Lik: -6050.609, Max-Change: 0.00011Iteration: 120, Log-Lik: -6050.609, Max-Change: 0.00010Iteration: 121, Log-Lik: -6050.609, Max-Change: 0.00011Iteration: 122, Log-Lik: -6050.609, Max-Change: 0.00010Iteration: 123, Log-Lik: -6050.609, Max-Change: 0.00011Iteration: 124, Log-Lik: -6050.609, Max-Change: 0.00010Iteration: 125, Log-Lik: -6050.609, Max-Change: 0.00010Iteration: 126, Log-Lik: -6050.609, Max-Change: 0.00010

coef(m, IRTpars = T, simplify = T)

## $items  
## a b g u  
## ia\_1ad 3.711 0.424 0 1  
## ia\_2ad 4.062 1.078 0 1  
## ia\_3ad 4.221 0.739 0 1  
## ia\_4ad 3.420 1.172 0 1  
## ia\_5ad 4.481 1.043 0 1  
## ia\_6ad 3.842 1.236 0 1  
## ia\_7men 3.957 0.723 0 1  
## ia\_8men 6.535 0.947 0 1  
## ia\_9men 5.586 0.996 0 1  
## ia\_10men 6.392 1.344 0 1  
## ia\_11men 6.379 1.370 0 1  
## ia\_12men 6.394 1.510 0 1  
##   
## $means  
## F1   
## 0   
##   
## $cov  
## F1  
## F1 1

plot(m, type = "trace")



plot(m, type = "infoSE")

