

# Assignment

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```
install.packages("ISLR") install.packages("caret") install.packages("tidyverse") install.packages("dplyr")
install.packages("thePackage") library(thePackage) library(dplyr) install.packages("class") library(class)
library(ISLR) library(caret) install.packages("FNN") library("dummies") install.packages("ROCR")
library(tidyverse)
```

```
library("dplyr") library("tidyr")
```

```
.libPaths("C:\\Users\\Ananth\\OneDrive\\Desktop\\MSBA Kent\\Fall 2021\\Fundamentals of Machine Learning\\Assignment\\Ass 2") ## R Markdown
```

Consider the following customer: Age = 40, Experience = 10, Income = 84, Family = 2, CCAvg = 2, Education\_1 = 0, Education\_2 = 1, Education\_3 = 0, Mortgage = 0, Securities Account = 0, CD Account = 0, Online = 1, and Credit Card = 1. Perform a k-NN classification with all predictors except ID and ZIP code using k = 1. Remember to transform categorical predictors with more than two categories into dummy variables first. Specify the success class as 1 (loan acceptance), and use the default cutoff value of 0.5. How would this customer be classified?

```
setwd("C:\\Users\\Ananth\\OneDrive\\Desktop\\MSBA Kent\\Fall 2021\\Fundamentals of Machine Learning\\Assignment\\Ass 2")
rm(list=ls())
Bank <- read.csv("UniversalBank.csv")
head(Bank)
```

```
##   ID Age Experience Income ZIP.Code Family CCAvg Education Mortgage
## 1  1  25         1     49   91107      4   1.6         1         0
## 2  2  45        19     34   90089      3   1.5         1         0
## 3  3  39        15     11   94720      1   1.0         1         0
## 4  4  35         9    100   94112      1   2.7         2         0
## 5  5  35         8     45   91330      4   1.0         2         0
## 6  6  37        13     29   92121      4   0.4         2        155
##   Personal.Loan Securities.Account CD.Account Online CreditCard
## 1             0                 1           0         0         0
## 2             0                 1           0         0         0
## 3             0                 0           0         0         0
## 4             0                 0           0         0         0
## 5             0                 0           0         0         1
## 6             0                 0           0         1         0
```

```
#dummy variables
```

```
Bank$Education = as.factor(Bank$Education) # as.factor is used when you want to convert the data type of Education to factor
library(dummies)
```

```
## Warning: package 'dummies' was built under R version 4.0.3
```

```
## dummies-1.5.6 provided by Decision Patterns
```

```
library(dplyr)
```

```
## Warning: package 'dplyr' was built under R version 4.0.5
```

```
##
```

```
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
```

```
##
```

```
## filter, lag
```

```
## The following objects are masked from 'package:base':
```

```
##
```

```
## intersect, setdiff, setequal, union
```

```
dummy_cat <-dummy.data.frame(select(Bank,-c(ZIP.Code,ID)))
```

```
## Warning in model.matrix.default(~x - 1, model.frame(~x - 1), contrasts = FALSE):
```

```
## non-list contrasts argument ignored
```

```
dummy_cat$Personal.Loan = as.factor(dummy_cat$Personal.Loan)
```

```
dummy_cat$CCAvg = as.integer(dummy_cat$CCAvg)
```

```
dummy_cat
```

```
##      Age Experience Income Family CCAvg Education1 Education2 Education3
## 1      25          1     49      4      1          1          0          0
## 2      45         19     34      3      1          1          0          0
## 3      39         15     11      1      1          1          0          0
## 4      35          9    100      1      2          0          1          0
## 5      35          8     45      4      1          0          1          0
## 6      37         13     29      4      0          0          1          0
## 7      53         27     72      2      1          0          1          0
## 8      50         24     22      1      0          0          0          1
## 9      35         10     81      3      0          0          1          0
## 10     34          9    180      1      8          0          0          1
## 11     65         39    105      4      2          0          0          1
## 12     29          5     45      3      0          0          1          0
## 13     48         23    114      2      3          0          0          1
## 14     59         32     40      4      2          0          1          0
## 15     67         41    112      1      2          1          0          0
## 16     60         30     22      1      1          0          0          1
## 17     38         14    130      4      4          0          0          1
## 18     42         18     81      4      2          1          0          0
## 19     46         21    193      2      8          0          0          1
## 20     55         28     21      1      0          0          1          0
## 21     56         31     25      4      0          0          1          0
## 22     57         27     63      3      2          0          0          1
## 23     29          5     62      1      1          1          0          0
## 24     44         18     43      2      0          1          0          0
```

## 25	36	11	152	2	3	1	0	0
## 26	43	19	29	3	0	1	0	0
## 27	40	16	83	4	0	0	0	1
## 28	46	20	158	1	2	1	0	0
## 29	56	30	48	1	2	0	0	1
## 30	38	13	119	1	3	0	1	0
## 31	59	35	35	1	1	0	0	1
## 32	40	16	29	1	2	0	1	0
## 33	53	28	41	2	0	0	0	1
## 34	30	6	18	3	0	0	0	1
## 35	31	5	50	4	1	0	0	1
## 36	48	24	81	3	0	1	0	0
## 37	59	35	121	1	2	1	0	0
## 38	51	25	71	1	1	0	0	1
## 39	42	18	141	3	5	0	0	1
## 40	38	13	80	4	0	0	0	1
## 41	57	32	84	3	1	0	0	1
## 42	34	9	60	3	2	1	0	0
## 43	32	7	132	4	1	0	1	0
## 44	39	15	45	1	0	1	0	0
## 45	46	20	104	1	5	1	0	0
## 46	57	31	52	4	2	1	0	0
## 47	39	14	43	3	0	0	1	0
## 48	37	12	194	4	0	0	0	1
## 49	56	26	81	2	4	0	0	1
## 50	40	16	49	1	1	1	0	0
## 51	32	8	8	4	0	0	1	0
## 52	61	37	131	1	2	1	0	0
## 53	30	6	72	1	0	1	0	0
## 54	50	26	190	3	2	0	0	1
## 55	29	5	44	1	0	0	0	1
## 56	41	17	139	2	8	1	0	0
## 57	55	30	29	3	0	0	1	0
## 58	56	31	131	2	1	0	0	1
## 59	28	2	93	2	0	1	0	0
## 60	31	5	188	2	4	1	0	0
## 61	49	24	39	3	1	0	1	0
## 62	47	21	125	1	5	1	0	0
## 63	42	18	22	1	1	1	0	0
## 64	42	17	32	4	0	0	1	0
## 65	47	23	105	2	3	1	0	0
## 66	59	35	131	1	3	1	0	0
## 67	62	36	105	2	2	1	0	0
## 68	53	23	45	4	2	0	0	1
## 69	47	21	60	3	2	1	0	0
## 70	53	29	20	4	0	1	0	0
## 71	42	18	115	1	3	1	0	0
## 72	53	29	69	4	1	0	1	0
## 73	44	20	130	1	5	1	0	0
## 74	41	16	85	1	4	0	0	1
## 75	28	3	135	2	3	1	0	0
## 76	31	7	135	4	3	0	1	0
## 77	58	32	12	3	0	0	0	1
## 78	46	20	29	3	0	0	1	0

## 79	54	30	133	2	2	0	0	1
## 80	50	26	19	2	0	1	0	0
## 81	60	36	41	4	1	1	0	0
## 82	47	22	40	3	2	0	1	0
## 83	41	16	82	1	4	0	0	1
## 84	33	9	50	1	2	0	1	0
## 85	46	22	18	1	0	0	0	1
## 86	27	2	109	4	1	0	0	1
## 87	40	16	42	4	2	0	1	0
## 88	48	22	78	3	1	1	0	0
## 89	65	41	51	2	1	1	0	0
## 90	25	-1	113	4	2	0	0	1
## 91	55	30	118	4	5	0	1	0
## 92	35	10	29	4	1	0	0	1
## 93	43	19	34	3	0	0	1	0
## 94	60	34	64	2	1	0	0	1
## 95	65	39	121	1	2	1	0	0
## 96	38	12	48	4	0	0	0	1
## 97	41	15	80	1	5	1	0	0
## 98	54	28	161	1	2	1	0	0
## 99	49	23	94	1	0	1	0	0
## 100	66	41	15	3	0	0	0	1
## 101	48	23	74	1	1	1	0	0
## 102	61	36	30	3	1	0	1	0
## 103	53	23	44	3	1	0	0	1
## 104	43	18	22	2	0	0	1	0
## 105	56	32	38	4	1	1	0	0
## 106	24	0	35	3	0	0	1	0
## 107	43	17	69	4	2	1	0	0
## 108	42	18	43	1	0	1	0	0
## 109	33	7	32	1	0	0	0	1
## 110	43	17	49	1	2	1	0	0
## 111	41	14	9	3	1	0	1	0
## 112	62	38	45	4	1	0	1	0
## 113	40	15	82	3	1	1	0	0
## 114	58	34	92	2	2	1	0	0
## 115	39	14	39	3	0	0	0	1
## 116	65	40	81	3	1	0	1	0
## 117	54	29	35	1	1	0	1	0
## 118	58	33	61	2	2	0	0	1
## 119	41	16	73	3	3	1	0	0
## 120	32	7	112	1	4	1	0	0
## 121	54	29	12	2	0	0	0	1
## 122	52	26	38	3	0	0	0	1
## 123	58	32	73	2	0	0	1	0
## 124	37	13	84	1	3	0	1	0
## 125	39	15	78	4	2	1	0	0
## 126	60	35	80	3	0	1	0	0
## 127	31	5	115	2	1	1	0	0
## 128	34	8	82	1	2	0	1	0
## 129	38	14	74	2	0	1	0	0
## 130	41	16	70	3	0	0	0	1
## 131	28	4	81	3	1	1	0	0
## 132	58	34	149	4	7	0	1	0

## 133	31	1	51	2	1	0	0	1
## 134	30	4	39	3	1	0	1	0
## 135	53	29	98	3	1	0	1	0
## 136	58	33	45	4	2	1	0	0
## 137	59	32	49	4	2	0	1	0
## 138	49	25	128	2	0	1	0	0
## 139	59	34	42	3	1	1	0	0
## 140	59	35	18	1	1	0	0	1
## 141	51	25	31	2	0	0	0	1
## 142	35	11	58	3	2	1	0	0
## 143	33	9	48	1	2	0	0	1
## 144	25	1	54	4	1	1	0	0
## 145	49	23	70	2	1	0	1	0
## 146	59	35	124	1	7	1	0	0
## 147	46	19	84	1	2	0	1	0
## 148	50	25	83	4	3	0	0	1
## 149	52	28	163	2	0	1	0	0
## 150	48	22	42	3	2	0	1	0
## 151	46	22	118	2	7	1	0	0
## 152	26	0	132	3	6	0	0	1
## 153	57	32	24	1	1	1	0	0
## 154	60	36	22	2	1	1	0	0
## 155	54	29	58	4	1	0	0	1
## 156	24	0	60	4	1	1	0	0
## 157	26	0	15	4	0	1	0	0
## 158	41	17	83	4	2	1	0	0
## 159	32	6	79	2	1	0	0	1
## 160	61	35	41	4	1	0	1	0
## 161	29	0	134	4	6	0	0	1
## 162	61	35	80	2	2	1	0	0
## 163	38	12	52	1	2	1	0	0
## 164	28	4	70	4	2	1	0	0
## 165	53	27	92	2	1	1	0	0
## 166	27	1	43	1	1	1	0	0
## 167	25	1	21	3	1	0	1	0
## 168	33	9	23	3	0	0	0	1
## 169	50	26	13	4	1	1	0	0
## 170	27	1	112	4	2	0	0	1
## 171	27	1	138	2	2	1	0	0
## 172	52	28	11	3	0	1	0	0
## 173	38	13	171	2	7	1	0	0
## 174	58	34	42	4	1	1	0	0
## 175	42	17	168	2	7	0	1	0
## 176	45	20	85	4	1	0	1	0
## 177	52	25	44	3	1	0	1	0
## 178	29	3	65	4	1	0	1	0
## 179	53	29	24	4	0	1	0	0
## 180	62	37	11	1	0	1	0	0
## 181	51	27	38	2	1	0	0	1
## 182	36	12	10	4	0	0	1	0
## 183	24	0	135	1	1	1	0	0
## 184	29	3	148	3	4	1	0	0
## 185	52	26	63	2	1	0	1	0
## 186	39	14	115	1	1	0	0	1

## 187	48	23	45	1	0	1	0	0
## 188	46	21	159	3	1	0	0	1
## 189	64	40	169	2	2	1	0	0
## 190	55	29	112	2	1	1	0	0
## 191	60	36	93	1	4	1	0	0
## 192	51	25	29	1	0	0	0	1
## 193	50	23	85	1	2	0	1	0
## 194	48	24	21	4	0	1	0	0
## 195	53	29	144	2	6	1	0	0
## 196	34	10	13	4	1	1	0	0
## 197	48	24	165	1	5	1	0	0
## 198	55	31	9	4	0	1	0	0
## 199	27	3	59	4	0	1	0	0
## 200	36	11	158	1	5	0	0	1
## 201	32	6	29	1	1	0	0	1
## 202	35	9	20	2	1	0	0	1
## 203	30	3	68	4	2	0	1	0
## 204	58	34	65	4	2	1	0	0
## 205	56	31	61	2	1	0	1	0
## 206	38	12	91	4	1	0	1	0
## 207	49	25	31	1	1	1	0	0
## 208	34	10	71	4	0	0	1	0
## 209	40	16	73	4	2	1	0	0
## 210	64	39	172	4	3	1	0	0
## 211	51	26	20	2	0	1	0	0
## 212	44	18	55	1	0	1	0	0
## 213	46	22	69	2	1	1	0	0
## 214	57	33	155	1	7	1	0	0
## 215	54	28	94	1	1	0	1	0
## 216	38	14	92	2	0	1	0	0
## 217	27	3	125	2	0	1	0	0
## 218	39	14	74	3	3	1	0	0
## 219	44	20	72	3	0	0	0	1
## 220	56	30	61	1	2	0	0	1
## 221	32	6	25	2	0	1	0	0
## 222	45	19	83	2	1	0	1	0
## 223	26	2	104	3	2	1	0	0
## 224	55	25	41	3	1	0	0	1
## 225	52	27	58	4	1	0	0	1
## 226	39	13	93	1	1	0	0	1
## 227	24	-1	39	2	1	0	1	0
## 228	47	23	148	2	7	1	0	0
## 229	47	22	53	4	1	0	0	1
## 230	48	24	71	2	1	1	0	0
## 231	47	22	92	1	2	0	1	0
## 232	35	10	61	4	2	0	0	1
## 233	46	19	38	3	2	0	1	0
## 234	62	37	58	4	1	1	0	0
## 235	26	1	80	1	0	0	1	0
## 236	38	8	71	4	1	0	0	1
## 237	43	18	89	3	0	0	0	1
## 238	62	38	83	1	1	0	0	1
## 239	57	32	28	3	0	1	0	0
## 240	28	3	52	4	1	0	1	0

## 241	51	26	70	1	1	1	0	0
## 242	48	22	71	1	1	0	0	1
## 243	41	16	75	1	3	0	0	1
## 244	65	39	170	3	7	0	0	1
## 245	41	17	78	4	0	1	0	0
## 246	35	11	25	2	1	0	1	0
## 247	38	14	60	2	0	0	0	1
## 248	53	29	120	4	2	0	1	0
## 249	55	29	99	2	1	1	0	0
## 250	26	1	55	3	2	0	0	1
## 251	30	6	29	3	1	0	1	0
## 252	54	28	170	2	6	0	1	0
## 253	65	40	53	3	2	1	0	0
## 254	47	21	138	1	0	1	0	0
## 255	65	41	134	3	3	0	0	1
## 256	66	40	42	2	0	0	0	1
## 257	26	0	99	4	2	0	0	1
## 258	66	41	18	3	0	1	0	0
## 259	35	9	24	4	0	1	0	0
## 260	56	30	55	1	1	1	0	0
## 261	51	27	58	1	0	1	0	0
## 262	42	16	111	2	1	0	0	1
## 263	49	23	33	1	0	0	0	1
## 264	27	1	74	4	1	0	1	0
## 265	45	19	38	2	0	1	0	0
## 266	49	23	23	4	0	0	0	1
## 267	63	38	61	2	1	1	0	0
## 268	47	22	81	1	2	1	0	0
## 269	64	39	129	1	2	1	0	0
## 270	43	13	33	1	0	0	0	1
## 271	60	36	63	4	2	1	0	0
## 272	40	14	70	4	1	0	1	0
## 273	29	3	45	4	0	1	0	0
## 274	41	16	65	3	0	0	0	1
## 275	30	5	74	4	2	1	0	0
## 276	49	24	50	4	1	0	0	1
## 277	30	5	22	4	0	0	0	1
## 278	29	2	30	4	1	0	0	1
## 279	50	26	21	4	1	1	0	0
## 280	39	14	155	2	3	1	0	0
## 281	33	8	64	4	2	0	0	1
## 282	57	31	65	4	2	0	0	1
## 283	34	9	71	4	0	0	0	1
## 284	61	36	40	3	0	0	1	0
## 285	44	19	69	3	0	0	0	1
## 286	40	13	69	3	2	0	1	0
## 287	51	25	45	3	0	0	1	0
## 288	37	12	62	3	0	0	1	0
## 289	44	19	172	2	4	0	0	1
## 290	42	15	24	3	1	0	1	0
## 291	51	25	80	1	4	1	0	0
## 292	43	16	8	3	0	0	1	0
## 293	30	5	38	4	0	1	0	0
## 294	45	19	93	4	2	0	0	1

## 295	35	9	55	1	2	1	0	0
## 296	60	34	64	2	1	0	0	1
## 297	34	9	122	1	0	1	0	0
## 298	55	25	70	3	1	0	0	1
## 299	43	19	81	2	3	1	0	0
## 300	41	15	159	1	5	0	0	1
## 301	34	9	70	4	1	1	0	0
## 302	65	39	150	2	6	1	0	0
## 303	45	21	152	2	7	1	0	0
## 304	49	25	195	4	3	1	0	0
## 305	48	23	22	1	0	1	0	0
## 306	60	35	22	1	1	1	0	0
## 307	55	29	79	3	0	1	0	0
## 308	42	18	33	1	1	0	0	1
## 309	32	8	128	2	4	1	0	0
## 310	62	38	91	1	3	1	0	0
## 311	57	32	39	4	0	1	0	0
## 312	52	26	121	1	7	1	0	0
## 313	36	6	21	1	0	0	0	1
## 314	34	9	41	3	2	1	0	0
## 315	63	37	45	2	0	0	0	1
## 316	24	-2	51	3	0	0	0	1
## 317	57	31	165	1	1	0	1	0
## 318	40	16	119	2	4	0	1	0
## 319	27	2	110	4	1	0	0	1
## 320	65	39	20	3	0	0	1	0
## 321	60	34	64	1	0	0	1	0
## 322	44	20	101	3	4	0	1	0
## 323	63	39	101	1	3	1	0	0
## 324	59	34	99	1	4	1	0	0
## 325	56	30	158	4	6	1	0	0
## 326	54	28	89	1	1	0	1	0
## 327	52	27	80	1	1	0	0	1
## 328	58	32	114	2	2	1	0	0
## 329	60	35	49	3	0	0	1	0
## 330	28	4	191	1	6	1	0	0
## 331	54	30	78	4	1	0	1	0
## 332	32	6	28	3	1	1	0	0
## 333	59	33	42	1	0	0	1	0
## 334	63	38	140	1	2	1	0	0
## 335	48	23	45	1	1	0	1	0
## 336	56	32	122	2	0	1	0	0
## 337	36	12	65	3	2	0	1	0
## 338	57	27	68	1	1	0	0	1
## 339	29	3	153	2	2	1	0	0
## 340	39	13	89	4	1	0	1	0
## 341	59	34	91	1	2	1	0	0
## 342	31	6	55	4	2	0	1	0
## 343	43	19	118	2	3	1	0	0
## 344	35	5	22	1	0	0	0	1
## 345	54	24	63	3	1	0	0	1
## 346	51	27	12	4	0	0	1	0
## 347	44	19	50	3	2	0	1	0
## 348	25	0	43	2	1	0	0	1



## 349	40	15	173	4	6	1	0	0
## 350	26	2	60	2	3	1	0	0
## 351	39	14	113	1	1	0	0	1
## 352	28	4	155	4	5	0	1	0
## 353	52	28	91	4	1	0	1	0
## 354	53	29	55	4	1	0	1	0
## 355	44	20	173	2	1	1	0	0
## 356	43	19	71	3	0	0	0	1
## 357	56	30	24	2	0	0	0	1
## 358	38	14	42	1	2	0	1	0
## 359	30	6	141	2	4	1	0	0
## 360	32	6	32	1	1	0	0	1
## 361	35	10	55	4	1	1	0	0
## 362	43	19	153	2	7	1	0	0
## 363	58	32	113	2	1	1	0	0
## 364	25	0	30	2	1	0	1	0
## 365	54	24	29	3	1	0	0	1
## 366	57	32	174	1	6	0	1	0
## 367	50	24	35	1	0	0	0	1
## 368	32	8	98	2	2	0	1	0
## 369	63	37	30	2	1	0	0	1
## 370	31	6	58	2	2	1	0	0
## 371	36	12	25	4	1	1	0	0
## 372	58	34	19	4	0	1	0	0
## 373	56	30	44	4	0	0	1	0
## 374	49	25	20	4	1	1	0	0
## 375	30	5	98	2	3	1	0	0
## 376	33	7	90	3	1	1	0	0
## 377	45	21	61	3	0	1	0	0
## 378	30	5	40	4	2	0	1	0
## 379	47	23	38	2	2	0	0	1
## 380	25	0	28	2	1	0	1	0
## 381	63	33	34	1	1	0	0	1
## 382	55	29	73	2	2	0	0	1
## 383	65	41	133	4	2	1	0	0
## 384	44	18	53	1	0	1	0	0
## 385	51	25	21	4	0	0	0	1
## 386	35	9	40	3	0	1	0	0
## 387	30	5	41	4	1	0	1	0
## 388	31	5	82	4	1	0	1	0
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## 390	45	20	155	1	7	1	0	0
## 391	45	19	45	1	0	1	0	0
## 392	58	32	9	3	0	0	0	1
## 393	54	29	48	4	1	0	0	1
## 394	53	28	18	4	0	0	0	1
## 395	33	9	80	4	3	1	0	0
## 396	60	35	64	2	2	1	0	0
## 397	50	24	29	4	0	1	0	0
## 398	26	2	48	3	0	0	1	0
## 399	54	30	23	2	0	1	0	0
## 400	28	3	84	4	0	1	0	0
## 401	36	10	179	3	6	1	0	0
## 402	29	2	30	4	1	0	1	0

## 403	54	28	93	1	4	1	0	0
## 404	55	30	39	2	1	0	1	0
## 405	61	36	60	3	0	0	1	0
## 406	36	11	133	1	3	1	0	0
## 407	45	19	125	1	2	1	0	0
## 408	64	40	58	1	1	0	0	1
## 409	60	36	89	2	2	1	0	0
## 410	49	22	82	1	2	0	1	0
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## 413	45	20	89	4	1	0	0	1
## 414	32	7	42	3	2	1	0	0
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## 416	35	8	38	4	1	0	1	0
## 417	40	15	85	2	0	1	0	0
## 418	53	29	83	4	1	0	1	0
## 419	27	0	33	4	1	0	0	1
## 420	58	33	50	4	2	1	0	0
## 421	47	22	58	4	3	0	0	1
## 422	28	3	115	4	3	0	1	0
## 423	46	20	145	2	6	1	0	0
## 424	43	19	161	2	7	1	0	0
## 425	56	30	38	1	0	1	0	0
## 426	28	3	28	4	0	1	0	0
## 427	42	18	75	3	2	1	0	0
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## 429	62	38	24	2	1	1	0	0
## 430	37	13	78	4	0	0	1	0
## 431	51	26	113	1	1	0	0	1
## 432	39	13	75	3	2	1	0	0
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## 444	48	24	29	1	1	1	0	0
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## 446	58	32	65	3	2	0	0	1
## 447	47	23	22	1	1	1	0	0
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## 449	31	4	60	4	2	0	1	0
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## 451	51	25	69	1	0	1	0	0
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## 453	39	13	21	3	0	0	1	0
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## 457	64	39	42	3	0	0	1	0
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## 464	48	22	149	2	5	0	1	0
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## 468	45	20	39	1	2	1	0	0
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## 470	48	23	10	2	0	0	0	1
## 471	32	6	84	4	1	0	1	0
## 472	50	24	30	4	0	1	0	0
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## 474	64	39	182	1	1	0	1	0
## 475	60	34	114	2	6	1	0	0
## 476	43	19	152	3	6	0	1	0
## 477	60	34	53	1	0	0	1	0
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## 479	44	20	150	2	3	1	0	0
## 480	60	36	132	2	6	1	0	0
## 481	54	29	68	3	1	0	0	1
## 482	33	9	53	1	1	1	0	0
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## 484	29	5	30	3	1	0	1	0
## 485	25	1	113	2	0	1	0	0
## 486	60	34	15	1	0	0	1	0
## 487	55	30	84	2	3	1	0	0
## 488	39	13	88	4	1	0	1	0
## 489	37	13	43	3	2	1	0	0
## 490	53	28	43	2	2	0	0	1
## 491	34	10	90	2	2	1	0	0
## 492	42	18	34	4	0	1	0	0
## 493	60	36	38	4	1	1	0	0
## 494	50	24	173	1	1	1	0	0
## 495	41	17	160	2	8	1	0	0
## 496	25	0	44	4	0	0	1	0
## 497	50	24	83	2	0	0	0	1
## 498	48	22	94	4	2	0	0	1
## 499	32	8	43	1	2	0	0	1
## 500	50	25	42	3	1	0	1	0
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## 506	36	12	69	3	3	0	1	0
## 507	51	25	44	3	0	0	0	1
## 508	64	40	32	3	0	0	0	1
## 509	47	22	15	2	0	0	0	1
## 510	52	28	118	2	6	1	0	0

## 511	51	26	62	1	1	0	1	0
## 512	31	5	82	4	2	0	1	0
## 513	39	14	54	3	3	1	0	0
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## 515	27	1	74	3	0	0	0	1
## 516	41	16	113	1	1	0	0	1
## 517	53	27	81	3	1	0	1	0
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## 521	61	37	54	4	1	0	1	0
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## 530	39	15	82	1	0	0	1	0
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## 533	62	37	39	2	2	1	0	0
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## 536	51	25	132	1	0	1	0	0
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## 539	31	5	11	1	0	0	1	0
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## 541	25	-1	109	4	2	0	0	1
## 542	30	6	141	2	4	1	0	0
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## 548	44	14	44	3	2	0	0	1
## 549	49	23	61	1	1	0	0	1
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## 581	52	22	22	4	0	0	0	1
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## 584	24	-1	38	2	1	0	1	0
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## 587	39	14	101	2	0	1	0	0
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## 598	24	-2	125	2	7	1	0	0
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## 611	52	28	81	3	1	0	1	0
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## 618	46	20	74	4	2	0	0	1

## 619	63	37	42	2	0	0	0	1
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## 621	33	8	115	4	2	0	1	0
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## 625	33	6	54	2	1	0	1	0
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## 627	30	6	42	1	0	0	0	1
## 628	45	19	70	3	2	1	0	0
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## 634	61	31	18	1	1	0	0	1
## 635	57	31	32	3	1	1	0	0
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## 637	40	16	120	2	6	1	0	0
## 638	53	28	31	4	0	0	0	1
## 639	42	16	35	3	1	1	0	0
## 640	62	36	32	2	0	0	0	1
## 641	43	18	85	1	3	0	0	1
## 642	35	10	139	2	7	1	0	0
## 643	50	24	103	1	0	1	0	0
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## 645	52	27	33	2	2	0	1	0
## 646	35	9	84	4	2	0	1	0
## 647	58	33	61	4	1	1	0	0
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## 651	47	22	122	1	5	0	0	1
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## 666	54	24	61	4	2	0	0	1
## 667	52	26	112	1	2	1	0	0
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## 671	23	-1	61	4	2	1	0	0
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## 712	62	37	83	3	1	0	1	0
## 713	41	16	10	2	0	0	1	0
## 714	34	9	84	3	0	0	1	0
## 715	50	23	98	3	2	0	1	0
## 716	47	23	32	1	1	1	0	0
## 717	29	5	31	4	0	0	1	0
## 718	59	34	94	3	0	1	0	0
## 719	56	31	21	2	0	0	0	1
## 720	61	35	110	3	4	1	0	0
## 721	58	32	38	1	2	0	0	1
## 722	49	24	39	1	1	0	0	1
## 723	45	21	132	3	1	0	1	0
## 724	50	24	61	4	2	1	0	0
## 725	64	38	92	1	2	1	0	0
## 726	39	15	119	2	6	1	0	0

## 727	58	33	53	4	2	1	0	0
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## 730	58	28	90	1	3	0	0	1
## 731	43	18	140	1	7	1	0	0
## 732	28	3	90	2	3	1	0	0
## 733	26	1	85	1	1	1	0	0
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## 738	64	37	138	2	2	0	1	0
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## 740	49	23	82	2	2	0	1	0
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## 742	61	37	22	1	1	0	0	1
## 743	32	6	81	1	2	1	0	0
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## 754	49	23	49	1	1	0	1	0
## 755	38	14	102	2	1	1	0	0
## 756	56	30	45	4	0	0	1	0
## 757	56	31	82	4	1	0	0	1
## 758	52	28	81	3	1	0	1	0
## 759	64	39	35	1	1	0	1	0
## 760	53	28	59	2	1	0	1	0
## 761	29	3	52	3	1	0	1	0
## 762	48	24	84	3	0	1	0	0
## 763	32	6	85	1	2	0	1	0
## 764	54	28	65	1	0	1	0	0
## 765	37	13	89	2	1	0	1	0
## 766	47	21	109	4	1	1	0	0
## 767	37	12	81	1	2	1	0	0
## 768	64	39	38	1	1	0	0	1
## 769	43	19	72	2	1	1	0	0
## 770	33	6	78	4	2	0	1	0
## 771	26	2	172	2	6	0	1	0
## 772	42	18	71	3	2	1	0	0
## 773	54	28	165	1	4	0	0	1
## 774	41	16	120	2	3	1	0	0
## 775	55	29	39	1	0	1	0	0
## 776	65	39	23	3	0	0	1	0
## 777	50	26	135	2	4	0	0	1
## 778	55	31	12	2	0	1	0	0
## 779	62	36	92	2	0	0	1	0
## 780	53	28	192	2	6	0	0	1



## 781	32	7	42	4	0	1	0	0
## 782	56	32	158	3	3	0	0	1
## 783	54	30	194	3	6	0	0	1
## 784	44	20	160	2	7	1	0	0
## 785	48	22	98	2	6	1	0	0
## 786	46	22	164	2	7	1	0	0
## 787	45	21	42	2	2	1	0	0
## 788	45	15	202	3	10	0	0	1
## 789	58	34	10	4	0	1	0	0
## 790	29	3	31	4	0	0	1	0
## 791	55	30	58	4	0	1	0	0
## 792	55	29	65	4	2	0	1	0
## 793	41	16	98	1	4	0	0	1
## 794	24	-2	150	2	2	1	0	0
## 795	54	29	44	2	2	0	0	1
## 796	57	32	15	2	0	0	0	1
## 797	30	6	82	2	2	1	0	0
## 798	42	17	61	3	0	0	0	1
## 799	29	2	38	1	2	0	1	0
## 800	29	3	39	4	2	0	0	1
## 801	31	7	173	1	6	1	0	0
## 802	47	23	8	4	0	1	0	0
## 803	36	12	51	3	2	1	0	0
## 804	52	27	62	4	1	0	0	1
## 805	54	28	34	4	0	0	1	0
## 806	55	29	132	3	5	0	1	0
## 807	53	27	44	4	1	0	0	1
## 808	52	27	162	1	8	1	0	0
## 809	64	39	64	3	2	1	0	0
## 810	54	29	111	1	0	0	0	1
## 811	32	6	41	2	2	0	0	1
## 812	63	33	52	4	1	0	0	1
## 813	36	10	65	4	2	0	1	0
## 814	50	25	130	1	1	0	1	0
## 815	33	8	45	2	0	1	0	0
## 816	62	38	35	1	1	0	1	0
## 817	49	23	65	3	0	0	1	0
## 818	41	15	38	2	0	1	0	0
## 819	51	27	42	4	1	0	1	0
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## 821	51	25	145	1	0	1	0	0
## 822	39	13	33	4	1	0	0	1
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## 824	35	9	45	1	2	1	0	0
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## 826	37	11	34	3	0	0	1	0
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## 828	63	37	45	2	1	0	0	1
## 829	35	9	28	4	1	1	0	0
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## 831	29	5	72	3	0	0	1	0
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## 834	61	35	63	3	2	0	0	1

## 835	36	12	150	4	5	1	0	0
## 836	58	33	142	2	3	1	0	0
## 837	42	17	74	3	3	1	0	0
## 838	30	4	24	1	0	0	1	0
## 839	45	20	29	4	1	0	0	1
## 840	39	15	79	4	2	1	0	0
## 841	27	3	94	2	0	1	0	0
## 842	57	33	121	1	4	1	0	0
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## 845	47	23	71	1	0	0	0	1
## 846	44	17	29	3	1	0	1	0
## 847	51	27	93	1	2	1	0	0
## 848	40	14	73	1	1	0	0	1
## 849	57	32	19	4	0	0	1	0
## 850	33	8	58	2	0	1	0	0
## 851	46	20	39	1	0	1	0	0
## 852	41	16	23	2	1	0	1	0
## 853	33	7	29	1	0	0	0	1
## 854	27	2	155	1	0	1	0	0
## 855	52	28	90	1	2	0	1	0
## 856	59	33	113	2	2	1	0	0
## 857	62	38	42	1	1	0	0	1
## 858	49	25	30	4	0	1	0	0
## 859	45	19	19	3	0	0	1	0
## 860	63	37	124	3	5	0	1	0
## 861	57	31	30	2	0	0	1	0
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## 863	50	23	15	2	1	0	1	0
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## 865	28	2	10	1	0	0	1	0
## 866	60	34	22	3	0	0	0	1
## 867	44	20	70	4	1	1	0	0
## 868	61	35	61	1	1	1	0	0
## 869	40	15	161	2	3	1	0	0
## 870	54	30	29	2	0	1	0	0
## 871	43	19	35	3	0	1	0	0
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## 873	32	7	44	4	0	1	0	0
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## 875	30	4	40	4	2	0	0	1
## 876	61	36	21	4	0	0	1	0
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## 878	35	11	59	4	0	0	1	0
## 879	33	3	74	4	4	0	0	1
## 880	63	37	84	4	1	0	1	0
## 881	57	31	58	1	0	1	0	0
## 882	44	19	154	2	8	1	0	0
## 883	51	25	185	1	1	1	0	0
## 884	51	26	78	1	1	1	0	0
## 885	38	13	55	2	1	0	1	0
## 886	31	5	30	4	0	0	1	0
## 887	54	29	74	3	2	0	1	0
## 888	41	16	118	2	3	1	0	0

## 889	57	33	182	2	3	0	0	1
## 890	24	-2	82	2	1	0	0	1
## 891	55	29	29	4	1	0	0	1
## 892	32	6	120	4	5	1	0	0
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## 900	30	3	172	3	3	0	1	0
## 901	30	4	51	4	0	1	0	0
## 902	57	33	24	4	0	1	0	0
## 903	57	33	95	2	1	1	0	0
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## 905	28	2	51	4	1	0	1	0
## 906	46	22	28	1	1	1	0	0
## 907	29	3	154	2	2	1	0	0
## 908	64	40	15	2	0	0	0	1
## 909	66	36	55	4	1	0	0	1
## 910	23	-1	149	1	6	1	0	0
## 911	60	36	79	1	1	0	0	1
## 912	47	21	68	4	2	0	0	1
## 913	35	10	78	1	2	0	1	0
## 914	57	32	34	2	2	0	1	0
## 915	65	41	195	3	0	1	0	0
## 916	53	28	184	1	8	1	0	0
## 917	44	20	85	2	3	1	0	0
## 918	45	20	200	2	8	1	0	0
## 919	41	16	64	3	0	0	0	1
## 920	51	27	88	1	2	0	1	0
## 921	27	1	42	3	2	0	1	0
## 922	31	5	91	3	1	1	0	0
## 923	32	6	38	1	0	1	0	0
## 924	55	30	28	1	1	0	1	0
## 925	55	30	32	4	0	0	0	1
## 926	42	18	31	1	0	0	0	1
## 927	33	9	22	4	0	0	1	0
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## 931	28	4	43	3	0	0	1	0
## 932	27	3	43	1	1	0	0	1
## 933	51	27	112	3	1	0	1	0
## 934	50	23	9	2	1	0	1	0
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## 936	46	20	131	1	5	1	0	0
## 937	62	32	19	1	1	0	0	1
## 938	38	13	62	3	0	0	1	0
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## 941	61	36	193	1	4	0	0	1
## 942	38	13	129	4	4	1	0	0

## 943	55	29	30	4	0	0	1	0
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## 946	57	32	33	1	1	0	1	0
## 947	36	11	64	4	2	0	0	1
## 948	55	29	60	3	2	0	0	1
## 949	30	4	81	1	2	0	0	1
## 950	40	16	45	3	0	0	1	0
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## 953	44	20	180	2	7	1	0	0
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## 956	59	35	14	4	0	1	0	0
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## 959	55	29	78	4	2	0	0	1
## 960	49	24	68	1	0	0	1	0
## 961	46	22	144	2	3	1	0	0
## 962	35	9	30	4	1	1	0	0
## 963	47	21	120	1	0	1	0	0
## 964	39	14	24	2	0	0	1	0
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## 966	62	36	135	2	5	0	1	0
## 967	57	32	44	2	1	0	0	1
## 968	55	30	73	4	3	0	1	0
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## 971	57	32	75	2	3	1	0	0
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## 973	40	16	50	2	1	1	0	0
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## 975	63	38	54	3	2	1	0	0
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## 979	52	26	68	1	0	0	0	1
## 980	50	26	48	4	0	0	0	1
## 981	38	13	114	1	1	0	0	1
## 982	36	12	142	3	2	0	1	0
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## 986	46	22	118	1	4	1	0	0
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## 991	34	10	81	4	3	1	0	0
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## 993	34	9	93	1	0	1	0	0
## 994	41	15	185	1	3	0	1	0
## 995	32	8	42	1	1	0	1	0
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## 997	33	6	49	2	1	0	1	0
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## 999	52	27	94	1	2	0	1	0
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## 1001	59	35	8	4	0	1	0	0
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## 1004	25	1	62	4	0	1	0	0
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## 1006	38	12	138	2	0	1	0	0
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## 1008	44	19	99	3	3	0	0	1
## 1009	50	24	152	1	7	1	0	0
## 1010	28	3	25	2	0	0	0	1
## 1011	27	3	98	2	2	1	0	0
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## 1015	50	26	192	2	1	0	0	1
## 1016	60	34	62	1	0	0	1	0
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## 1020	29	3	30	4	0	0	1	0
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## 1025	58	33	122	4	0	0	1	0
## 1026	62	37	50	3	1	1	0	0
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## 1030	41	17	20	1	1	0	0	1
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## 1032	56	32	25	1	0	0	1	0
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## 1037	53	28	55	4	0	1	0	0
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## 1041	36	6	78	4	1	0	0	1
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## 1070	44	18	75	2	3	1	0	0
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## 1085	60	35	191	4	5	0	0	1
## 1086	51	26	11	2	0	1	0	0
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## 1101	42	16	13	1	0	1	0	0
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## 1103	29	3	84	1	2	0	0	1
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## 1105	51	25	181	1	1	1	0	0
## 1106	35	10	182	1	0	0	1	0
## 1107	37	13	70	2	2	1	0	0
## 1108	47	21	79	3	1	1	0	0
## 1109	55	29	61	4	2	0	1	0
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## 1115	32	8	39	1	1	1	0	0
## 1116	51	24	84	3	2	0	1	0
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## 1121	34	8	38	2	2	0	0	1
## 1122	30	6	49	3	0	0	1	0
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## 1124	46	20	91	4	2	0	0	1
## 1125	38	12	29	4	0	1	0	0
## 1126	37	13	172	2	6	1	0	0
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## 1130	30	4	73	3	3	1	0	0
## 1131	58	32	191	1	2	1	0	0
## 1132	57	27	90	2	4	0	0	1
## 1133	34	9	55	3	2	1	0	0
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## 1135	39	14	42	1	2	0	0	1
## 1136	57	33	9	1	0	0	1	0
## 1137	47	21	65	1	1	0	1	0
## 1138	51	26	134	4	4	0	0	1
## 1139	30	6	83	4	3	1	0	0
## 1140	55	28	38	3	1	0	1	0
## 1141	32	6	13	4	0	1	0	0
## 1142	32	7	143	3	2	0	0	1
## 1143	44	20	75	4	1	1	0	0
## 1144	33	7	120	1	3	0	0	1
## 1145	49	24	91	1	2	0	1	0
## 1146	32	6	99	2	1	0	0	1
## 1147	31	7	71	1	0	1	0	0
## 1148	37	13	111	1	0	0	1	0
## 1149	41	15	108	1	5	1	0	0
## 1150	56	32	158	1	7	1	0	0
## 1151	55	31	81	3	2	1	0	0
## 1152	49	23	12	2	0	0	0	1
## 1153	63	37	21	2	0	1	0	0
## 1154	55	30	55	4	0	1	0	0
## 1155	59	35	42	1	1	0	0	1
## 1156	41	16	81	2	0	1	0	0
## 1157	49	25	13	4	0	1	0	0
## 1158	48	23	132	1	0	1	0	0

## 1159	41	16	99	1	1	0	0	1
## 1160	50	26	23	4	0	1	0	0
## 1161	28	1	40	1	2	0	1	0
## 1162	36	11	181	3	1	1	0	0
## 1163	38	14	112	2	2	1	0	0
## 1164	34	9	138	2	7	1	0	0
## 1165	41	17	94	3	3	0	1	0
## 1166	43	19	113	1	1	1	0	0
## 1167	30	5	112	4	5	0	1	0
## 1168	37	12	190	2	3	1	0	0
## 1169	62	37	38	1	1	0	0	1
## 1170	40	16	32	1	1	0	0	1
## 1171	35	10	104	3	0	0	1	0
## 1172	64	40	43	1	1	0	1	0
## 1173	49	24	45	3	1	0	1	0
## 1174	24	-1	35	2	1	0	1	0
## 1175	36	10	42	4	1	0	1	0
## 1176	29	4	58	1	0	0	1	0
## 1177	29	3	103	4	3	1	0	0
## 1178	28	3	71	1	3	0	1	0
## 1179	33	7	14	1	0	0	1	0
## 1180	36	11	98	3	1	0	0	1
## 1181	42	17	90	1	0	0	1	0
## 1182	25	0	65	4	0	1	0	0
## 1183	28	2	19	4	0	1	0	0
## 1184	50	25	35	3	1	0	1	0
## 1185	34	9	71	4	1	1	0	0
## 1186	43	19	31	3	0	1	0	0
## 1187	62	38	43	4	1	0	1	0
## 1188	61	36	24	1	1	0	1	0
## 1189	45	19	58	2	0	0	0	1
## 1190	42	17	115	2	0	1	0	0
## 1191	39	15	168	2	8	1	0	0
## 1192	29	5	128	1	1	1	0	0
## 1193	45	20	138	1	7	1	0	0
## 1194	58	32	81	3	1	0	1	0
## 1195	29	3	41	4	1	0	0	1
## 1196	32	7	123	2	2	0	1	0
## 1197	37	13	71	2	2	1	0	0
## 1198	48	23	8	1	0	0	0	1
## 1199	40	14	42	2	0	1	0	0
## 1200	29	4	62	2	2	1	0	0
## 1201	36	12	22	4	1	1	0	0
## 1202	35	8	38	4	1	0	1	0
## 1203	35	11	24	4	0	0	1	0
## 1204	62	37	50	3	2	1	0	0
## 1205	26	1	190	4	1	0	1	0
## 1206	32	7	94	2	3	1	0	0
## 1207	63	37	165	4	5	0	0	1
## 1208	38	12	43	4	1	0	1	0
## 1209	50	26	48	1	1	0	1	0
## 1210	46	21	52	3	2	0	1	0
## 1211	50	24	84	4	4	1	0	0
## 1212	61	36	131	1	0	1	0	0



##	1213	34	8	44	4	0	1	0	0
##	1214	27	2	78	4	0	1	0	0
##	1215	61	36	15	4	0	0	1	0
##	1216	45	20	38	4	1	0	0	1
##	1217	50	25	84	1	1	0	0	1
##	1218	44	20	122	1	0	1	0	0
##	1219	62	36	98	2	2	1	0	0
##	1220	45	18	80	3	2	0	1	0
##	1221	41	17	165	2	8	1	0	0
##	1222	30	5	121	2	3	1	0	0
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##	1225	59	35	45	1	1	0	0	1
##	1226	30	6	118	2	2	0	1	0
##	1227	60	36	14	2	0	1	0	0
##	1228	39	13	30	3	0	0	1	0
##	1229	56	30	45	1	0	1	0	0
##	1230	56	32	80	3	2	1	0	0
##	1231	27	1	25	4	0	0	1	0
##	1232	66	41	144	1	2	1	0	0
##	1233	43	19	84	4	0	0	0	1
##	1234	53	29	22	2	0	1	0	0
##	1235	44	18	33	3	1	1	0	0
##	1236	54	28	60	4	2	0	0	1
##	1237	31	6	81	4	2	0	1	0
##	1238	38	13	169	1	6	0	0	1
##	1239	28	2	63	2	1	0	0	1
##	1240	51	26	12	2	0	0	0	1
##	1241	52	27	15	4	0	1	0	0
##	1242	64	38	39	1	0	0	0	1
##	1243	29	4	44	4	2	0	1	0
##	1244	34	10	110	1	4	1	0	0
##	1245	33	8	130	3	6	0	1	0
##	1246	46	21	41	1	1	0	0	1
##	1247	48	22	59	1	1	0	0	1
##	1248	52	28	39	2	0	1	0	0
##	1249	44	19	35	4	0	0	1	0
##	1250	51	27	80	1	2	0	1	0
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##	1253	42	17	93	4	1	0	0	1
##	1254	57	33	45	4	1	1	0	0
##	1255	36	12	40	2	0	0	0	1
##	1256	27	1	80	2	1	0	0	1
##	1257	31	7	20	1	0	0	0	1
##	1258	63	37	41	1	0	0	0	1
##	1259	34	8	31	1	0	1	0	0
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##	1262	63	39	84	1	1	0	0	1
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##	1264	35	5	85	4	4	0	0	1
##	1265	58	33	138	2	3	1	0	0
##	1266	32	2	71	2	1	0	0	1

## 1267	64	39	113	1	0	0	0	1
## 1268	50	23	23	2	1	0	1	0
## 1269	34	9	62	3	2	1	0	0
## 1270	36	11	14	4	0	0	0	1
## 1271	43	18	60	2	2	0	0	1
## 1272	28	4	94	3	0	1	0	0
## 1273	64	39	83	3	1	0	1	0
## 1274	60	35	130	3	6	0	0	1
## 1275	62	37	61	4	1	1	0	0
## 1276	27	2	92	2	3	1	0	0
## 1277	42	16	20	2	0	0	0	1
## 1278	45	20	194	2	8	1	0	0
## 1279	36	10	74	1	2	1	0	0
## 1280	48	22	84	2	0	0	0	1
## 1281	65	40	98	3	1	0	1	0
## 1282	39	15	52	3	2	1	0	0
## 1283	51	26	55	1	1	0	1	0
## 1284	30	6	64	4	3	1	0	0
## 1285	65	40	128	1	2	1	0	0
## 1286	38	13	113	4	1	0	1	0
## 1287	29	3	50	3	1	0	1	0
## 1288	42	18	54	4	2	0	1	0
## 1289	63	38	129	1	0	1	0	0
## 1290	46	21	82	4	0	1	0	0
## 1291	62	38	100	4	1	0	1	0
## 1292	58	34	44	4	2	1	0	0
## 1293	56	30	164	4	0	0	1	0
## 1294	56	31	81	2	3	1	0	0
## 1295	34	10	71	1	0	1	0	0
## 1296	42	17	28	1	0	0	0	1
## 1297	30	6	80	3	1	1	0	0
## 1298	61	35	90	4	1	0	1	0
## 1299	38	14	74	1	3	0	1	0
## 1300	50	25	14	2	0	0	0	1
## 1301	61	36	23	2	0	0	1	0
## 1302	41	17	153	1	1	1	0	0
## 1303	42	16	38	3	0	0	0	1
## 1304	29	5	112	2	2	0	1	0
## 1305	51	26	145	1	8	1	0	0
## 1306	32	6	28	2	0	0	1	0
## 1307	34	9	31	4	1	0	0	1
## 1308	26	2	195	1	6	1	0	0
## 1309	54	24	50	3	2	0	0	1
## 1310	38	14	71	4	2	0	0	1
## 1311	62	36	21	3	0	0	0	1
## 1312	37	11	35	2	0	0	0	1
## 1313	46	21	42	1	2	1	0	0
## 1314	52	27	78	4	3	0	0	1
## 1315	32	6	73	4	2	0	1	0
## 1316	49	25	53	2	1	0	0	1
## 1317	28	3	51	2	1	0	0	1
## 1318	55	30	40	2	2	0	0	1
## 1319	52	26	178	1	1	1	0	0
## 1320	32	6	35	2	0	1	0	0

## 1321	31	7	192	1	0	0	1	0
## 1322	27	3	123	1	5	1	0	0
## 1323	32	5	48	2	1	0	1	0
## 1324	52	26	45	3	0	0	1	0
## 1325	52	28	15	1	0	1	0	0
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## 1329	60	36	145	4	6	1	0	0
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## 1331	34	9	64	2	0	1	0	0
## 1332	31	7	84	1	0	1	0	0
## 1333	31	5	21	1	0	0	1	0
## 1334	62	38	99	4	1	0	1	0
## 1335	47	22	35	2	1	1	0	0
## 1336	50	24	180	1	1	1	0	0
## 1337	36	12	42	1	1	1	0	0
## 1338	26	0	179	4	2	0	1	0
## 1339	51	27	42	4	0	0	0	1
## 1340	52	25	180	2	9	0	1	0
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## 1343	36	12	79	2	2	1	0	0
## 1344	41	17	48	2	0	0	0	1
## 1345	49	25	93	1	2	1	0	0
## 1346	57	32	23	2	0	0	0	1
## 1347	44	20	50	3	2	1	0	0
## 1348	60	34	85	2	2	1	0	0
## 1349	38	14	35	1	1	0	1	0
## 1350	26	2	171	3	6	0	1	0
## 1351	29	2	29	4	1	0	1	0
## 1352	59	35	84	1	1	0	0	1
## 1353	51	27	20	4	0	0	1	0
## 1354	50	25	14	1	0	0	0	1
## 1355	35	10	179	1	8	1	0	0
## 1356	61	37	48	1	0	1	0	0
## 1357	42	16	74	1	2	1	0	0
## 1358	55	29	53	1	1	1	0	0
## 1359	50	25	83	1	2	0	1	0
## 1360	64	40	171	2	2	1	0	0
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## 1365	44	19	69	4	0	1	0	0
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## 1367	60	34	33	2	0	1	0	0
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## 1369	46	21	40	4	1	0	0	1
## 1370	57	33	43	1	1	0	0	1
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## 1372	58	32	65	3	2	1	0	0
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## 1375	59	34	84	3	1	0	0	1
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## 1377	63	39	45	4	1	0	1	0
## 1378	27	3	109	2	2	1	0	0
## 1379	54	29	34	4	0	0	0	1
## 1380	62	37	162	1	1	1	0	0
## 1381	60	34	105	2	1	1	0	0
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## 1384	65	41	105	4	1	0	1	0
## 1385	55	31	62	1	1	0	0	1
## 1386	57	31	82	2	2	1	0	0
## 1387	27	3	72	4	0	1	0	0
## 1388	35	10	38	4	1	1	0	0
## 1389	52	28	25	4	1	1	0	0
## 1390	45	15	20	1	0	0	0	1
## 1391	29	3	80	4	1	0	1	0
## 1392	44	18	84	3	1	1	0	0
## 1393	47	23	33	1	1	1	0	0
## 1394	62	37	55	3	0	0	0	1
## 1395	52	27	33	2	0	0	1	0
## 1396	47	23	190	4	0	0	0	1
## 1397	42	18	43	1	0	0	0	1
## 1398	65	41	45	3	0	0	0	1
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## 1402	40	15	84	1	3	0	0	1
## 1403	55	29	172	1	5	0	1	0
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## 1406	46	22	183	1	3	0	1	0
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## 1408	63	39	101	2	3	0	0	1
## 1409	40	14	129	1	5	0	0	1
## 1410	41	17	63	2	3	1	0	0
## 1411	60	35	44	4	2	1	0	0
## 1412	65	39	184	1	5	0	0	1
## 1413	59	33	100	2	2	1	0	0
## 1414	48	24	12	3	0	1	0	0
## 1415	59	33	68	2	2	0	0	1
## 1416	33	8	48	1	1	1	0	0
## 1417	40	15	82	2	0	1	0	0
## 1418	42	18	52	2	2	1	0	0
## 1419	65	41	154	2	4	0	1	0
## 1420	30	4	39	1	1	1	0	0
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## 1422	42	17	54	4	1	0	0	1
## 1423	32	8	32	2	1	0	1	0
## 1424	55	30	64	2	2	0	0	1
## 1425	29	3	92	2	1	1	0	0
## 1426	64	38	40	1	2	0	0	1
## 1427	37	11	60	3	0	0	0	1
## 1428	31	5	85	2	1	1	0	0

## 1429	25	-1	21	4	0	1	0	0
## 1430	31	5	35	1	0	0	0	1
## 1431	32	7	52	2	0	1	0	0
## 1432	58	34	128	1	7	1	0	0
## 1433	26	2	195	1	6	1	0	0
## 1434	51	25	68	2	1	0	1	0
## 1435	65	41	55	2	1	1	0	0
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## 1437	46	21	80	4	0	1	0	0
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## 1441	42	15	41	3	2	0	1	0
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## 1443	39	13	71	3	0	1	0	0
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## 1446	47	21	141	1	2	1	0	0
## 1447	29	4	22	2	0	0	0	1
## 1448	52	28	145	2	6	1	0	0
## 1449	41	16	49	3	0	0	0	1
## 1450	63	37	109	1	2	1	0	0
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## 1459	51	25	33	1	1	0	0	1
## 1460	47	20	38	3	2	0	1	0
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## 1462	54	28	48	1	0	1	0	0
## 1463	47	21	15	4	0	0	0	1
## 1464	35	10	94	1	0	1	0	0
## 1465	28	4	120	2	0	1	0	0
## 1466	45	19	60	1	0	0	0	1
## 1467	33	9	145	2	4	1	0	0
## 1468	62	36	29	2	0	0	0	1
## 1469	45	18	78	3	2	0	1	0
## 1470	59	35	59	4	1	0	1	0
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## 1472	52	26	180	1	1	1	0	0
## 1473	34	8	8	3	0	0	1	0
## 1474	65	35	23	1	1	0	0	1
## 1475	48	23	79	2	3	0	0	1
## 1476	44	19	78	2	3	0	0	1
## 1477	61	37	64	1	0	0	1	0
## 1478	40	14	64	4	0	0	0	1
## 1479	65	39	160	4	3	1	0	0
## 1480	28	4	43	1	1	0	0	1
## 1481	67	42	32	1	1	0	0	1
## 1482	35	9	179	2	0	1	0	0

## 1483	60	35	8	1	0	1	0	0
## 1484	58	32	63	1	1	1	0	0
## 1485	55	30	40	2	2	0	0	1
## 1486	34	9	99	4	2	0	1	0
## 1487	35	9	141	2	4	0	1	0
## 1488	28	4	159	1	1	1	0	0
## 1489	38	12	39	2	0	1	0	0
## 1490	62	38	99	4	1	0	1	0
## 1491	30	4	18	4	0	0	1	0
## 1492	38	12	38	2	0	1	0	0
## 1493	33	8	133	1	0	1	0	0
## 1494	58	34	84	2	2	1	0	0
## 1495	59	35	60	1	0	0	1	0
## 1496	52	28	178	3	5	0	0	1
## 1497	36	12	18	1	0	0	0	1
## 1498	45	21	73	1	0	0	0	1
## 1499	49	23	125	1	7	1	0	0
## 1500	52	26	91	1	4	0	1	0
## 1501	54	28	74	2	1	1	0	0
## 1502	30	4	35	2	0	0	1	0
## 1503	65	39	113	1	2	1	0	0
## 1504	34	8	52	4	2	0	1	0
## 1505	30	6	191	2	4	0	1	0
## 1506	51	25	18	1	0	0	0	1
## 1507	52	27	25	2	0	1	0	0
## 1508	43	18	50	4	1	0	0	1
## 1509	35	10	75	4	0	0	0	1
## 1510	56	26	92	2	4	0	0	1
## 1511	57	32	33	2	2	0	1	0
## 1512	58	32	65	3	2	0	0	1
## 1513	53	28	44	3	1	1	0	0
## 1514	45	21	183	2	1	1	0	0
## 1515	44	20	175	2	1	1	0	0
## 1516	54	28	28	4	1	0	0	1
## 1517	41	17	49	4	2	0	1	0
## 1518	52	26	45	4	1	1	0	0
## 1519	43	17	64	4	3	0	0	1
## 1520	63	38	22	3	0	0	0	1
## 1521	54	30	120	1	7	1	0	0
## 1522	33	8	175	2	6	1	0	0
## 1523	25	-1	101	4	2	0	0	1
## 1524	41	16	104	1	1	0	0	1
## 1525	40	16	155	4	0	0	0	1
## 1526	43	18	58	1	2	1	0	0
## 1527	36	10	80	4	2	0	1	0
## 1528	57	33	45	1	1	0	0	1
## 1529	34	9	134	1	4	1	0	0
## 1530	38	14	58	4	2	0	0	1
## 1531	47	21	20	1	0	1	0	0
## 1532	39	13	25	4	1	0	0	1
## 1533	45	20	55	1	0	1	0	0
## 1534	62	37	155	1	1	1	0	0
## 1535	59	34	30	1	1	1	0	0
## 1536	61	37	39	4	0	1	0	0

## 1537	36	12	73	4	2	0	0	1
## 1538	58	34	41	4	1	1	0	0
## 1539	55	30	34	4	0	0	0	1
## 1540	29	5	21	3	0	0	0	1
## 1541	34	8	11	4	0	1	0	0
## 1542	61	35	154	2	6	1	0	0
## 1543	50	20	19	4	0	0	0	1
## 1544	52	26	101	2	2	0	1	0
## 1545	39	15	24	1	1	1	0	0
## 1546	55	29	131	2	2	1	0	0
## 1547	33	9	105	1	4	1	0	0
## 1548	47	21	52	1	1	0	1	0
## 1549	57	32	21	4	0	0	1	0
## 1550	57	31	45	3	1	1	0	0
## 1551	40	14	39	1	2	1	0	0
## 1552	50	25	192	2	2	1	0	0
## 1553	29	5	195	1	4	1	0	0
## 1554	46	22	83	3	0	1	0	0
## 1555	42	15	34	3	1	0	1	0
## 1556	59	33	49	4	1	0	1	0
## 1557	31	1	60	4	4	0	0	1
## 1558	51	25	41	4	1	1	0	0
## 1559	35	10	72	3	2	1	0	0
## 1560	59	35	102	4	3	0	1	0
## 1561	35	10	31	3	1	1	0	0
## 1562	46	20	73	1	1	0	1	0
## 1563	34	9	89	1	0	1	0	0
## 1564	55	29	19	4	0	0	0	1
## 1565	64	40	63	4	1	0	1	0
## 1566	34	9	104	3	1	0	0	1
## 1567	61	35	40	1	0	0	1	0
## 1568	63	39	92	2	0	0	0	1
## 1569	59	33	72	2	0	0	1	0
## 1570	51	27	44	3	1	0	1	0
## 1571	41	16	114	4	3	1	0	0
## 1572	37	13	73	4	2	1	0	0
## 1573	64	40	63	4	1	0	1	0
## 1574	44	20	69	1	0	0	0	1
## 1575	62	37	42	3	1	1	0	0
## 1576	50	26	88	1	2	1	0	0
## 1577	43	18	98	2	0	1	0	0
## 1578	34	8	65	1	3	1	0	0
## 1579	38	13	12	2	0	0	1	0
## 1580	29	5	122	4	3	1	0	0
## 1581	39	14	12	2	0	0	0	1
## 1582	53	29	24	2	0	1	0	0
## 1583	43	19	170	4	4	1	0	0
## 1584	61	36	184	4	2	0	1	0
## 1585	46	20	25	4	0	0	0	1
## 1586	57	31	131	2	2	1	0	0
## 1587	59	33	50	2	2	0	0	1
## 1588	52	28	21	2	0	1	0	0
## 1589	29	3	55	3	1	0	1	0
## 1590	57	32	124	1	0	0	1	0

## 1591	49	23	58	4	2	1	0	0
## 1592	39	13	72	2	2	1	0	0
## 1593	56	31	192	1	7	0	0	1
## 1594	63	38	83	3	1	0	1	0
## 1595	37	12	93	1	2	1	0	0
## 1596	56	26	38	3	1	0	0	1
## 1597	45	20	55	4	1	0	0	1
## 1598	66	41	11	3	0	0	0	1
## 1599	40	15	85	2	0	1	0	0
## 1600	50	24	124	1	4	1	0	0
## 1601	60	36	129	2	6	1	0	0
## 1602	31	7	180	1	4	1	0	0
## 1603	40	14	74	4	1	0	1	0
## 1604	36	6	138	1	7	0	0	1
## 1605	55	29	111	2	3	0	0	1
## 1606	54	28	83	3	0	1	0	0
## 1607	35	10	33	4	1	1	0	0
## 1608	55	29	21	4	0	0	0	1
## 1609	36	10	35	2	0	1	0	0
## 1610	66	41	105	1	0	0	0	1
## 1611	38	14	103	1	0	0	1	0
## 1612	58	32	75	2	2	0	0	1
## 1613	41	17	33	1	0	1	0	0
## 1614	60	34	52	4	1	0	1	0
## 1615	47	23	89	1	2	0	1	0
## 1616	62	36	63	1	2	0	0	1
## 1617	48	23	84	4	3	0	1	0
## 1618	61	36	44	4	2	1	0	0
## 1619	29	3	29	3	1	1	0	0
## 1620	45	21	29	1	0	0	0	1
## 1621	39	14	22	2	0	0	1	0
## 1622	31	6	53	4	2	1	0	0
## 1623	39	14	24	2	0	0	1	0
## 1624	63	38	153	1	1	1	0	0
## 1625	28	2	31	2	0	0	1	0
## 1626	56	30	21	2	0	0	1	0
## 1627	31	6	180	2	6	1	0	0
## 1628	46	20	82	3	0	0	1	0
## 1629	42	18	90	4	0	1	0	0
## 1630	53	29	154	4	7	0	0	1
## 1631	41	17	99	2	1	0	1	0
## 1632	61	36	153	1	2	0	1	0
## 1633	31	5	93	2	3	0	1	0
## 1634	62	38	53	1	0	0	1	0
## 1635	59	34	18	3	1	0	1	0
## 1636	49	24	70	1	2	1	0	0
## 1637	65	39	100	4	1	0	0	1
## 1638	30	6	193	3	6	0	0	1
## 1639	32	7	125	1	0	1	0	0
## 1640	56	31	68	2	0	0	0	1
## 1641	36	10	55	1	2	1	0	0
## 1642	58	34	152	4	3	0	0	1
## 1643	27	3	84	3	1	1	0	0
## 1644	41	16	13	2	0	0	0	1



## 1645	59	35	33	4	0	1	0	0
## 1646	56	32	89	4	1	0	1	0
## 1647	52	26	93	1	2	1	0	0
## 1648	35	5	68	4	1	0	0	1
## 1649	47	21	85	2	1	0	1	0
## 1650	29	4	73	1	0	0	1	0
## 1651	31	6	83	4	2	0	1	0
## 1652	62	36	158	2	6	0	0	1
## 1653	48	18	182	4	6	0	0	1
## 1654	26	1	24	2	0	0	0	1
## 1655	60	34	102	2	2	1	0	0
## 1656	35	11	53	3	2	1	0	0
## 1657	40	15	175	2	3	1	0	0
## 1658	31	5	28	3	1	1	0	0
## 1659	50	25	14	4	0	1	0	0
## 1660	33	7	139	1	4	0	0	1
## 1661	37	11	34	3	0	1	0	0
## 1662	38	14	64	1	1	0	0	1
## 1663	63	38	84	4	0	0	1	0
## 1664	57	32	42	3	0	0	1	0
## 1665	61	35	63	1	1	1	0	0
## 1666	37	12	100	3	1	0	0	1
## 1667	51	25	190	2	4	0	1	0
## 1668	44	20	22	1	1	1	0	0
## 1669	63	37	20	1	0	0	1	0
## 1670	43	18	21	2	1	0	1	0
## 1671	38	14	25	4	0	0	1	0
## 1672	34	9	20	4	1	0	0	1
## 1673	48	23	173	3	0	1	0	0
## 1674	29	5	81	2	2	1	0	0
## 1675	37	11	139	2	0	0	1	0
## 1676	60	35	119	2	3	1	0	0
## 1677	46	20	74	4	2	0	0	1
## 1678	34	10	42	1	1	0	1	0
## 1679	56	30	73	2	1	1	0	0
## 1680	57	31	114	4	5	1	0	0
## 1681	62	36	44	2	1	0	0	1
## 1682	32	8	141	2	4	1	0	0
## 1683	51	26	14	2	0	1	0	0
## 1684	55	29	33	2	0	0	0	1
## 1685	60	34	83	2	2	1	0	0
## 1686	40	16	89	4	0	1	0	0
## 1687	62	38	39	4	2	1	0	0
## 1688	63	39	83	3	2	0	0	1
## 1689	60	34	108	2	2	1	0	0
## 1690	59	34	21	3	1	0	1	0
## 1691	26	1	102	1	1	1	0	0
## 1692	56	32	48	1	1	0	0	1
## 1693	58	32	32	3	1	1	0	0
## 1694	57	31	43	1	0	1	0	0
## 1695	48	23	35	4	0	0	1	0
## 1696	30	6	184	1	6	1	0	0
## 1697	45	21	140	2	7	1	0	0
## 1698	64	38	32	3	0	0	1	0

## 1699	44	20	149	1	1	1	0	0
## 1700	51	25	15	4	0	0	0	1
## 1701	43	16	71	3	2	0	1	0
## 1702	29	3	108	4	1	0	1	0
## 1703	56	30	122	2	0	1	0	0
## 1704	65	41	40	3	0	0	0	1
## 1705	46	22	198	2	6	1	0	0
## 1706	48	24	79	4	1	0	1	0
## 1707	56	31	84	1	0	0	0	1
## 1708	61	37	31	3	0	0	1	0
## 1709	46	20	12	4	0	0	0	1
## 1710	58	34	88	2	1	1	0	0
## 1711	31	5	29	2	0	0	1	0
## 1712	27	3	201	1	6	1	0	0
## 1713	44	20	20	1	1	0	0	1
## 1714	44	20	15	1	1	1	0	0
## 1715	51	27	155	2	0	1	0	0
## 1716	39	13	25	3	0	0	1	0
## 1717	32	8	200	2	6	1	0	0
## 1718	33	7	101	1	2	0	1	0
## 1719	40	16	19	4	0	0	1	0
## 1720	36	12	188	2	6	1	0	0
## 1721	52	28	8	1	0	1	0	0
## 1722	54	29	59	2	2	0	0	1
## 1723	26	2	72	4	2	1	0	0
## 1724	39	15	55	1	1	0	0	1
## 1725	46	19	24	3	0	0	1	0
## 1726	57	32	19	1	1	1	0	0
## 1727	59	33	71	2	2	0	0	1
## 1728	52	26	54	2	1	0	1	0
## 1729	52	26	28	1	0	0	0	1
## 1730	50	20	25	4	0	0	0	1
## 1731	41	17	51	2	0	0	0	1
## 1732	43	19	125	3	2	1	0	0
## 1733	25	0	88	2	1	0	1	0
## 1734	40	16	125	2	2	1	0	0
## 1735	35	10	79	4	2	0	0	1
## 1736	60	36	31	3	0	0	1	0
## 1737	57	31	131	2	2	1	0	0
## 1738	44	19	70	1	0	0	1	0
## 1739	61	36	38	3	0	0	0	1
## 1740	33	7	83	1	2	1	0	0
## 1741	45	20	59	1	2	1	0	0
## 1742	45	21	121	1	4	1	0	0
## 1743	64	38	42	2	0	0	0	1
## 1744	50	24	32	4	1	1	0	0
## 1745	28	3	29	4	0	1	0	0
## 1746	37	12	40	2	1	0	1	0
## 1747	62	36	25	3	0	0	0	1
## 1748	29	5	21	4	0	0	1	0
## 1749	49	23	79	3	0	0	1	0
## 1750	46	22	52	2	2	0	0	1
## 1751	60	34	61	4	1	0	1	0
## 1752	55	31	25	2	0	1	0	0

## 1753	33	8	155	1	7	0	0	1
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## 1755	50	24	80	4	4	1	0	0
## 1756	28	3	55	4	1	0	1	0
## 1757	42	17	23	2	0	0	0	1
## 1758	33	9	60	1	1	1	0	0
## 1759	40	14	54	2	0	1	0	0
## 1760	31	6	44	4	0	1	0	0
## 1761	41	16	33	4	0	0	1	0
## 1762	52	27	45	2	2	0	1	0
## 1763	65	35	55	4	1	0	0	1
## 1764	48	24	134	1	5	1	0	0
## 1765	45	21	44	3	0	0	1	0
## 1766	26	0	149	2	7	1	0	0
## 1767	64	38	22	2	0	0	0	1
## 1768	41	14	74	3	2	0	1	0
## 1769	43	18	128	4	5	1	0	0
## 1770	60	36	62	4	2	1	0	0
## 1771	62	37	9	1	0	1	0	0
## 1772	46	21	9	2	0	0	0	1
## 1773	36	11	15	2	0	0	1	0
## 1774	31	5	28	4	0	1	0	0
## 1775	43	18	83	3	0	0	0	1
## 1776	46	22	73	1	0	0	0	1
## 1777	50	26	42	4	1	0	1	0
## 1778	52	27	34	2	0	0	1	0
## 1779	27	3	32	3	1	0	1	0
## 1780	34	9	68	1	2	1	0	0
## 1781	49	24	82	1	2	1	0	0
## 1782	52	26	19	2	0	0	1	0
## 1783	37	11	60	2	2	1	0	0
## 1784	53	27	192	1	1	1	0	0
## 1785	54	29	119	3	2	1	0	0
## 1786	29	3	190	2	4	1	0	0
## 1787	35	11	34	1	1	0	1	0
## 1788	32	6	44	4	0	1	0	0
## 1789	38	13	23	4	0	0	0	1
## 1790	44	20	171	4	0	1	0	0
## 1791	44	20	43	1	0	0	0	1
## 1792	48	22	139	1	0	1	0	0
## 1793	46	20	118	1	5	1	0	0
## 1794	35	9	113	3	0	0	0	1
## 1795	56	32	98	3	3	0	0	1
## 1796	49	24	70	1	2	1	0	0
## 1797	57	32	42	2	2	0	0	1
## 1798	35	10	143	1	8	1	0	0
## 1799	44	20	185	3	2	1	0	0
## 1800	38	14	28	4	0	0	1	0
## 1801	57	33	45	3	1	1	0	0
## 1802	35	10	78	1	2	0	1	0
## 1803	29	3	121	2	1	1	0	0
## 1804	58	32	59	1	1	1	0	0
## 1805	40	16	64	4	2	1	0	0
## 1806	51	26	15	2	0	1	0	0

## 1807	61	36	10	1	0	1	0	0
## 1808	46	20	61	2	0	0	0	1
## 1809	55	31	50	4	1	1	0	0
## 1810	35	10	79	4	2	0	0	1
## 1811	60	34	35	1	0	1	0	0
## 1812	28	3	11	4	0	0	0	1
## 1813	43	19	128	1	4	1	0	0
## 1814	61	36	55	3	0	0	0	1
## 1815	48	22	79	3	0	0	1	0
## 1816	65	39	18	2	0	1	0	0
## 1817	45	19	91	2	1	0	1	0
## 1818	36	11	9	4	0	0	0	1
## 1819	45	20	62	2	2	0	0	1
## 1820	60	34	59	1	1	1	0	0
## 1821	47	22	25	1	0	1	0	0
## 1822	32	7	54	4	1	1	0	0
## 1823	48	23	112	1	5	0	1	0
## 1824	33	8	125	1	0	1	0	0
## 1825	49	23	194	4	8	0	1	0
## 1826	56	32	161	1	5	0	0	1
## 1827	59	33	35	1	0	1	0	0
## 1828	56	30	113	2	2	1	0	0
## 1829	30	4	25	2	0	0	1	0
## 1830	59	29	45	3	2	0	0	1
## 1831	38	13	119	2	7	1	0	0
## 1832	47	22	30	4	0	0	1	0
## 1833	54	29	79	4	3	0	1	0
## 1834	34	9	178	1	0	0	0	1
## 1835	41	16	23	2	0	0	1	0
## 1836	47	23	171	2	1	1	0	0
## 1837	44	19	74	4	1	0	0	1
## 1838	43	18	103	3	1	1	0	0
## 1839	31	7	99	1	4	1	0	0
## 1840	28	2	43	4	1	0	0	1
## 1841	55	25	23	4	0	0	0	1
## 1842	42	17	91	1	0	0	1	0
## 1843	53	29	93	1	2	0	1	0
## 1844	30	6	154	1	6	1	0	0
## 1845	65	40	21	3	0	0	0	1
## 1846	43	18	65	2	2	0	0	1
## 1847	56	32	15	1	0	0	1	0
## 1848	25	0	52	3	2	0	0	1
## 1849	35	10	30	3	1	1	0	0
## 1850	50	26	42	1	1	0	1	0
## 1851	36	10	20	4	0	1	0	0
## 1852	34	8	60	4	2	0	1	0
## 1853	32	6	54	4	1	0	0	1
## 1854	51	25	60	4	2	1	0	0
## 1855	52	25	41	3	1	0	1	0
## 1856	65	39	30	3	0	0	1	0
## 1857	51	24	21	2	1	0	1	0
## 1858	37	13	105	1	0	0	1	0
## 1859	35	11	65	3	2	1	0	0
## 1860	67	41	20	2	0	1	0	0

## 1861	30	6	179	3	4	1	0	0
## 1862	62	38	161	1	2	1	0	0
## 1863	42	17	82	1	3	0	0	1
## 1864	48	22	43	1	1	0	1	0
## 1865	61	36	61	2	2	1	0	0
## 1866	36	6	90	4	1	0	0	1
## 1867	48	24	90	1	2	0	1	0
## 1868	65	39	21	2	0	1	0	0
## 1869	25	1	118	1	5	1	0	0
## 1870	55	30	44	2	2	0	1	0
## 1871	63	37	110	1	4	0	0	1
## 1872	31	5	99	4	1	0	1	0
## 1873	43	17	98	3	1	1	0	0
## 1874	28	4	69	3	0	0	1	0
## 1875	37	11	82	3	0	0	1	0
## 1876	27	3	112	3	2	1	0	0
## 1877	62	38	123	1	2	1	0	0
## 1878	51	24	78	1	2	0	1	0
## 1879	56	30	59	3	0	1	0	0
## 1880	56	30	78	3	1	0	1	0
## 1881	44	19	49	4	1	0	0	1
## 1882	46	19	82	3	2	0	1	0
## 1883	56	32	125	3	0	1	0	0
## 1884	56	30	185	1	2	1	0	0
## 1885	57	33	163	1	7	1	0	0
## 1886	31	6	19	4	1	0	0	1
## 1887	65	41	115	4	1	0	1	0
## 1888	31	7	81	2	2	0	1	0
## 1889	36	10	93	1	2	0	0	1
## 1890	56	30	111	4	0	1	0	0
## 1891	52	27	184	1	8	1	0	0
## 1892	42	18	50	4	2	0	1	0
## 1893	55	30	55	3	1	1	0	0
## 1894	49	24	13	1	0	0	0	1
## 1895	51	25	29	4	0	1	0	0
## 1896	26	2	72	4	2	1	0	0
## 1897	32	7	83	1	2	0	1	0
## 1898	54	29	98	1	0	0	0	1
## 1899	50	24	43	4	0	1	0	0
## 1900	59	33	34	1	0	1	0	0
## 1901	61	36	10	4	0	0	1	0
## 1902	43	19	201	2	6	1	0	0
## 1903	39	14	85	3	1	0	0	1
## 1904	56	26	50	3	1	0	0	1
## 1905	38	14	91	2	0	1	0	0
## 1906	25	-1	112	2	2	1	0	0
## 1907	42	17	98	2	0	1	0	0
## 1908	42	18	115	1	0	1	0	0
## 1909	50	26	22	4	0	0	1	0
## 1910	56	30	101	3	1	0	1	0
## 1911	43	18	83	2	3	0	0	1
## 1912	60	35	52	3	0	0	1	0
## 1913	42	16	191	3	4	0	1	0
## 1914	57	33	134	4	0	1	0	0

## 1915	48	24	54	1	1	0	1	0
## 1916	37	11	69	3	2	1	0	0
## 1917	57	32	64	3	1	0	0	1
## 1918	62	32	53	4	1	0	0	1
## 1919	39	9	118	2	6	0	0	1
## 1920	38	13	19	2	1	0	1	0
## 1921	54	28	31	2	0	0	0	1
## 1922	45	21	63	1	0	0	0	1
## 1923	39	15	25	1	1	0	0	1
## 1924	45	19	22	1	0	1	0	0
## 1925	62	38	78	1	1	0	0	1
## 1926	43	19	81	1	0	1	0	0
## 1927	30	6	41	1	2	0	1	0
## 1928	35	10	62	3	2	1	0	0
## 1929	58	34	35	1	1	0	0	1
## 1930	44	19	30	1	0	0	0	1
## 1931	56	29	51	3	1	0	1	0
## 1932	28	2	140	2	2	1	0	0
## 1933	64	39	73	3	2	1	0	0
## 1934	63	39	40	4	1	0	1	0
## 1935	44	20	69	1	0	0	0	1
## 1936	34	9	191	1	4	0	0	1
## 1937	50	24	82	3	3	0	1	0
## 1938	51	25	181	1	3	0	0	1
## 1939	30	4	38	1	1	0	0	1
## 1940	55	31	23	2	0	1	0	0
## 1941	57	33	55	1	1	0	0	1
## 1942	43	19	58	2	3	1	0	0
## 1943	61	36	29	2	0	0	1	0
## 1944	49	23	39	4	2	1	0	0
## 1945	52	28	39	3	1	0	1	0
## 1946	57	33	30	3	1	1	0	0
## 1947	53	23	58	4	2	0	0	1
## 1948	52	28	62	1	1	0	0	1
## 1949	39	15	62	4	2	1	0	0
## 1950	58	34	19	1	1	0	0	1
## 1951	36	12	38	1	1	0	1	0
## 1952	45	21	84	4	2	0	0	1
## 1953	30	5	78	1	2	0	1	0
## 1954	49	25	22	4	0	1	0	0
## 1955	44	20	81	4	2	0	0	1
## 1956	43	17	32	3	0	0	1	0
## 1957	42	18	89	4	0	1	0	0
## 1958	29	4	121	2	3	1	0	0
## 1959	28	2	42	1	1	1	0	0
## 1960	50	24	130	1	1	1	0	0
## 1961	44	19	30	4	0	0	1	0
## 1962	52	26	114	1	4	1	0	0
## 1963	28	4	155	1	6	1	0	0
## 1964	62	38	50	2	1	1	0	0
## 1965	34	10	34	1	1	0	1	0
## 1966	45	20	94	3	0	0	0	1
## 1967	52	26	114	2	2	0	1	0
## 1968	43	18	89	3	0	0	0	1

## 1969	54	24	49	1	1	0	0	1
## 1970	64	38	115	1	2	1	0	0
## 1971	27	3	148	1	1	1	0	0
## 1972	42	17	72	4	1	0	1	0
## 1973	28	2	114	4	2	0	0	1
## 1974	47	22	11	2	0	1	0	0
## 1975	39	13	63	4	0	0	0	1
## 1976	29	3	113	2	0	1	0	0
## 1977	39	13	80	2	1	1	0	0
## 1978	41	15	54	3	0	0	0	1
## 1979	37	11	32	2	1	0	0	1
## 1980	41	17	11	1	1	1	0	0
## 1981	45	19	141	1	2	1	0	0
## 1982	52	26	84	3	3	0	1	0
## 1983	58	33	18	3	0	0	1	0
## 1984	31	5	20	2	0	1	0	0
## 1985	26	1	55	4	1	0	1	0
## 1986	31	7	31	4	0	0	1	0
## 1987	42	17	114	2	0	1	0	0
## 1988	56	31	52	3	2	0	1	0
## 1989	52	28	18	1	0	1	0	0
## 1990	59	35	55	1	1	0	0	1
## 1991	32	8	29	1	0	0	0	1
## 1992	46	22	30	3	0	1	0	0
## 1993	52	28	38	2	0	1	0	0
## 1994	30	5	122	2	3	1	0	0
## 1995	32	8	183	1	6	1	0	0
## 1996	35	11	41	1	2	0	1	0
## 1997	49	24	38	1	1	0	0	1
## 1998	54	30	61	1	1	0	0	1
## 1999	56	32	103	3	4	0	0	1
## 2000	48	22	80	2	2	0	1	0
## 2001	28	2	22	1	0	0	1	0
## 2002	44	17	128	2	3	0	1	0
## 2003	30	4	142	3	4	1	0	0
## 2004	44	20	124	1	4	1	0	0
## 2005	30	4	44	1	1	0	0	1
## 2006	47	23	170	2	6	0	1	0
## 2007	64	39	75	4	0	0	1	0
## 2008	48	21	78	3	2	0	1	0
## 2009	63	38	31	1	1	0	0	1
## 2010	25	0	99	1	1	1	0	0
## 2011	61	36	41	2	1	1	0	0
## 2012	46	21	39	4	0	0	1	0
## 2013	57	31	51	1	1	1	0	0
## 2014	40	15	52	3	0	0	0	1
## 2015	49	19	169	3	5	0	0	1
## 2016	30	5	141	1	0	1	0	0
## 2017	41	17	93	4	0	1	0	0
## 2018	42	15	14	3	1	0	1	0
## 2019	63	39	160	2	2	1	0	0
## 2020	43	17	44	1	0	1	0	0
## 2021	59	34	33	3	0	1	0	0
## 2022	46	20	103	4	4	0	0	1

##	2023	33	3	71	4	1	0	0	1
##	2024	55	29	55	1	0	1	0	0
##	2025	36	12	113	4	0	1	0	0
##	2026	47	20	79	3	2	0	1	0
##	2027	59	33	80	2	0	0	1	0
##	2028	38	12	179	2	0	1	0	0
##	2029	42	17	9	2	0	0	0	1
##	2030	30	3	61	4	2	0	1	0
##	2031	63	38	111	2	3	1	0	0
##	2032	60	35	80	3	0	1	0	0
##	2033	62	37	32	3	0	1	0	0
##	2034	49	23	83	1	0	1	0	0
##	2035	59	33	91	4	1	0	1	0
##	2036	36	10	29	4	1	1	0	0
##	2037	46	19	19	3	0	0	1	0
##	2038	35	8	52	2	1	0	1	0
##	2039	50	24	150	1	7	1	0	0
##	2040	51	25	32	2	0	0	0	1
##	2041	41	16	91	3	0	0	0	1
##	2042	45	20	180	3	8	0	1	0
##	2043	41	17	121	1	0	1	0	0
##	2044	57	32	25	2	0	0	0	1
##	2045	51	25	102	1	0	1	0	0
##	2046	52	28	44	4	0	0	1	0
##	2047	43	16	161	3	8	0	1	0
##	2048	63	38	134	3	4	0	1	0
##	2049	28	4	43	1	1	0	1	0
##	2050	43	18	94	4	1	0	1	0
##	2051	41	15	29	2	0	0	0	1
##	2052	34	8	38	4	0	1	0	0
##	2053	28	3	120	1	0	1	0	0
##	2054	58	32	85	2	2	1	0	0
##	2055	39	15	89	2	1	1	0	0
##	2056	49	23	25	1	1	0	0	1
##	2057	33	8	20	3	1	1	0	0
##	2058	37	12	125	2	3	1	0	0
##	2059	33	7	18	1	0	0	0	1
##	2060	28	3	173	2	6	1	0	0
##	2061	54	29	34	4	0	0	0	1
##	2062	63	38	159	4	4	0	1	0
##	2063	57	31	55	3	2	1	0	0
##	2064	56	30	32	2	0	0	0	1
##	2065	54	29	65	4	1	0	0	1
##	2066	29	5	83	3	1	1	0	0
##	2067	41	16	30	2	1	0	1	0
##	2068	58	32	180	1	2	1	0	0
##	2069	61	37	13	2	0	0	0	1
##	2070	30	4	35	4	0	1	0	0
##	2071	62	37	95	3	0	1	0	0
##	2072	52	28	83	1	0	1	0	0
##	2073	29	3	39	4	0	1	0	0
##	2074	46	20	54	1	0	0	0	1
##	2075	52	27	81	1	1	0	0	1
##	2076	40	16	53	4	2	0	0	1



## 2077	49	23	119	1	7	1	0	0
## 2078	34	9	160	4	8	0	0	1
## 2079	35	11	21	2	1	0	1	0
## 2080	26	2	40	1	1	0	0	1
## 2081	65	40	69	4	0	0	1	0
## 2082	52	27	45	1	1	0	1	0
## 2083	32	7	55	4	2	0	1	0
## 2084	31	7	38	1	0	0	0	1
## 2085	36	9	44	4	1	0	1	0
## 2086	50	24	45	3	0	0	1	0
## 2087	36	12	84	1	0	0	1	0
## 2088	51	27	188	2	6	0	1	0
## 2089	39	9	29	3	2	0	0	1
## 2090	53	29	95	1	2	0	1	0
## 2091	50	25	79	1	2	1	0	0
## 2092	31	4	41	1	2	0	1	0
## 2093	53	23	19	4	0	0	0	1
## 2094	48	23	75	4	3	0	0	1
## 2095	57	31	64	3	2	1	0	0
## 2096	47	21	174	4	3	0	0	1
## 2097	55	29	54	2	2	0	0	1
## 2098	37	11	14	3	0	0	1	0
## 2099	59	35	94	1	3	1	0	0
## 2100	53	29	10	2	0	1	0	0
## 2101	31	6	145	1	0	1	0	0
## 2102	35	5	203	1	10	0	0	1
## 2103	25	-1	81	2	1	0	0	1
## 2104	37	13	153	2	6	1	0	0
## 2105	40	14	58	4	0	0	0	1
## 2106	31	5	49	4	1	0	0	1
## 2107	62	38	132	1	2	1	0	0
## 2108	41	17	85	4	0	0	0	1
## 2109	56	32	85	3	2	1	0	0
## 2110	47	23	178	1	6	0	0	1
## 2111	28	4	104	3	2	1	0	0
## 2112	60	34	40	1	1	1	0	0
## 2113	27	2	103	1	1	1	0	0
## 2114	57	33	25	2	1	1	0	0
## 2115	62	36	69	2	1	0	0	1
## 2116	57	31	30	3	1	1	0	0
## 2117	44	17	70	3	2	0	1	0
## 2118	31	7	15	3	0	0	0	1
## 2119	31	5	125	2	1	1	0	0
## 2120	39	13	50	3	0	0	0	1
## 2121	41	17	44	1	0	0	0	1
## 2122	41	17	38	4	2	0	1	0
## 2123	55	29	64	3	0	1	0	0
## 2124	28	2	9	1	0	0	1	0
## 2125	35	9	44	3	0	1	0	0
## 2126	44	20	93	4	0	1	0	0
## 2127	44	19	83	4	0	1	0	0
## 2128	40	14	179	2	0	1	0	0
## 2129	65	40	40	1	1	0	0	1
## 2130	35	10	58	4	0	0	0	1

## 2131	55	31	74	3	2	1	0	0
## 2132	55	31	15	1	0	1	0	0
## 2133	59	35	11	2	1	1	0	0
## 2134	39	15	41	1	2	0	1	0
## 2135	50	24	68	1	1	0	1	0
## 2136	45	15	28	1	0	0	0	1
## 2137	50	26	115	1	1	0	0	1
## 2138	65	40	83	4	0	0	1	0
## 2139	36	11	40	2	1	0	1	0
## 2140	57	32	113	1	0	0	0	1
## 2141	53	27	89	1	0	0	0	1
## 2142	28	4	38	4	1	1	0	0
## 2143	55	31	62	4	1	1	0	0
## 2144	56	31	65	3	1	1	0	0
## 2145	33	6	168	3	5	0	1	0
## 2146	57	32	40	3	1	1	0	0
## 2147	27	3	30	1	1	0	0	1
## 2148	27	3	20	4	1	1	0	0
## 2149	54	30	58	2	3	0	0	1
## 2150	48	22	150	1	7	1	0	0
## 2151	62	38	54	1	0	1	0	0
## 2152	41	16	19	2	0	0	1	0
## 2153	62	38	30	3	0	0	0	1
## 2154	40	14	123	1	5	1	0	0
## 2155	32	8	45	1	2	0	1	0
## 2156	62	38	154	1	2	1	0	0
## 2157	35	11	93	2	2	1	0	0
## 2158	25	0	71	4	0	1	0	0
## 2159	50	25	83	4	3	1	0	0
## 2160	61	35	99	1	4	0	0	1
## 2161	43	17	55	3	2	0	1	0
## 2162	52	28	38	4	0	0	1	0
## 2163	39	13	74	3	0	0	1	0
## 2164	33	3	69	4	1	0	0	1
## 2165	27	3	104	2	2	1	0	0
## 2166	27	0	38	4	1	0	0	1
## 2167	32	8	25	3	0	0	0	1
## 2168	65	40	162	1	1	1	0	0
## 2169	55	29	64	4	2	0	0	1
## 2170	52	27	30	2	0	0	1	0
## 2171	39	13	52	3	0	0	0	1
## 2172	35	11	42	1	1	0	0	1
## 2173	39	15	79	2	1	0	1	0
## 2174	34	10	34	1	1	1	0	0
## 2175	30	5	123	2	3	1	0	0
## 2176	37	12	160	2	3	1	0	0
## 2177	41	14	51	3	2	0	1	0
## 2178	31	7	108	1	4	1	0	0
## 2179	37	13	158	2	2	0	1	0
## 2180	49	23	68	1	1	0	1	0
## 2181	58	33	42	2	1	0	0	1
## 2182	45	15	32	1	0	0	0	1
## 2183	40	14	22	2	1	0	0	1
## 2184	34	8	29	2	2	0	0	1

##	2185	62	36	183	2	3	0	0	1
##	2186	54	30	69	1	1	0	0	1
##	2187	26	2	92	2	0	1	0	0
##	2188	54	30	40	2	1	0	0	1
##	2189	29	4	9	4	0	0	0	1
##	2190	48	23	128	1	0	1	0	0
##	2191	27	3	110	2	0	1	0	0
##	2192	42	18	171	2	8	1	0	0
##	2193	25	1	13	4	1	1	0	0
##	2194	45	19	25	2	0	0	0	1
##	2195	34	9	123	1	1	0	1	0
##	2196	51	27	33	4	0	1	0	0
##	2197	51	24	189	4	4	0	1	0
##	2198	60	35	34	1	0	0	0	1
##	2199	59	35	58	1	0	0	1	0
##	2200	49	24	51	1	1	0	1	0
##	2201	50	25	29	2	1	1	0	0
##	2202	41	16	111	2	0	1	0	0
##	2203	49	24	43	4	1	0	0	1
##	2204	50	25	130	1	0	1	0	0
##	2205	63	37	20	2	0	1	0	0
##	2206	63	37	101	2	2	1	0	0
##	2207	33	7	48	4	2	0	1	0
##	2208	38	12	180	1	2	0	0	1
##	2209	64	40	92	2	0	0	0	1
##	2210	36	10	33	3	0	1	0	0
##	2211	58	33	51	2	1	0	1	0
##	2212	39	14	31	2	1	0	1	0
##	2213	46	22	83	1	2	1	0	0
##	2214	61	37	45	1	0	1	0	0
##	2215	53	27	89	1	0	0	0	1
##	2216	28	3	193	3	4	0	1	0
##	2217	64	40	89	1	3	1	0	0
##	2218	48	24	162	4	3	0	1	0
##	2219	38	13	9	2	0	0	1	0
##	2220	52	22	58	4	2	0	0	1
##	2221	65	40	80	1	0	0	0	1
##	2222	59	33	73	2	1	0	0	1
##	2223	45	20	41	1	0	1	0	0
##	2224	53	28	74	3	2	0	1	0
##	2225	38	12	29	2	1	0	0	1
##	2226	54	24	25	4	0	0	0	1
##	2227	25	1	98	1	5	1	0	0
##	2228	61	35	59	4	1	0	1	0
##	2229	48	23	43	4	1	0	0	1
##	2230	46	22	72	4	1	0	1	0
##	2231	36	11	183	1	3	0	0	1
##	2232	46	20	134	1	5	1	0	0
##	2233	59	33	140	2	0	1	0	0
##	2234	59	35	39	1	1	0	0	1
##	2235	36	12	35	4	0	0	1	0
##	2236	63	37	141	2	6	1	0	0
##	2237	51	24	23	1	0	0	1	0
##	2238	30	5	134	1	0	1	0	0

##	2239	48	22	35	1	1	0	0	1
##	2240	55	29	42	4	2	1	0	0
##	2241	41	17	81	4	0	0	0	1
##	2242	26	0	14	4	0	1	0	0
##	2243	41	17	45	1	1	1	0	0
##	2244	54	28	79	3	1	0	1	0
##	2245	57	31	53	1	0	0	1	0
##	2246	54	28	33	2	0	0	1	0
##	2247	35	11	190	3	3	0	1	0
##	2248	60	34	60	1	2	0	0	1
##	2249	63	37	8	1	0	0	1	0
##	2250	41	14	38	3	1	0	1	0
##	2251	46	22	154	1	5	1	0	0
##	2252	31	5	54	4	2	0	1	0
##	2253	58	32	41	3	1	1	0	0
##	2254	59	35	25	2	0	1	0	0
##	2255	46	22	53	2	1	1	0	0
##	2256	33	9	79	1	0	1	0	0
##	2257	56	31	13	4	0	0	1	0
##	2258	47	23	130	2	1	1	0	0
##	2259	59	33	93	2	0	0	1	0
##	2260	24	0	82	3	0	1	0	0
##	2261	39	14	15	2	0	0	1	0
##	2262	30	3	150	4	5	0	1	0
##	2263	55	29	131	2	0	0	1	0
##	2264	47	21	28	3	1	1	0	0
##	2265	35	11	9	4	0	0	1	0
##	2266	47	23	88	4	1	0	1	0
##	2267	38	13	143	1	4	1	0	0
##	2268	38	13	168	2	1	0	0	1
##	2269	27	3	105	1	3	0	1	0
##	2270	42	18	62	3	2	0	0	1
##	2271	26	2	51	4	2	1	0	0
##	2272	60	34	101	3	4	1	0	0
##	2273	27	3	90	3	0	1	0	0
##	2274	27	1	83	4	2	0	0	1
##	2275	40	15	21	2	0	0	0	1
##	2276	40	16	115	1	3	1	0	0
##	2277	29	3	172	4	4	1	0	0
##	2278	30	6	32	2	1	0	1	0
##	2279	30	4	204	2	4	1	0	0
##	2280	47	23	34	4	0	1	0	0
##	2281	33	7	30	2	2	0	0	1
##	2282	57	32	31	3	1	0	1	0
##	2283	38	14	90	2	2	1	0	0
##	2284	54	28	79	4	2	0	0	1
##	2285	47	23	22	4	0	1	0	0
##	2286	48	22	114	1	2	0	0	1
##	2287	62	36	42	1	0	0	0	1
##	2288	30	6	29	1	0	0	0	1
##	2289	35	11	72	3	2	0	1	0
##	2290	59	35	68	1	1	0	0	1
##	2291	38	13	78	4	0	0	0	1
##	2292	47	23	90	1	2	1	0	0

##	2293	57	33	170	2	2	0	1	0
##	2294	42	17	14	2	0	0	1	0
##	2295	39	15	129	2	1	1	0	0
##	2296	53	23	39	3	1	0	0	1
##	2297	27	3	82	2	0	1	0	0
##	2298	59	35	31	3	0	0	1	0
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##	2300	62	37	15	3	0	0	0	1
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##	2669	60	35	113	1	0	1	0	0
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## 2671	59	33	142	2	2	1	0	0
## 2672	62	37	128	1	2	1	0	0
## 2673	30	5	131	3	0	0	0	1
## 2674	54	30	88	4	1	0	1	0
## 2675	30	6	101	2	0	1	0	0
## 2676	31	1	70	2	1	0	0	1
## 2677	44	20	122	1	0	1	0	0
## 2678	32	8	70	3	1	1	0	0
## 2679	63	38	148	2	4	0	0	1
## 2680	57	32	43	2	2	0	0	1
## 2681	60	30	31	1	1	0	0	1
## 2682	37	11	35	2	0	0	0	1
## 2683	53	27	81	4	2	0	0	1
## 2684	51	25	19	1	1	0	0	1
## 2685	30	5	98	4	1	0	0	1
## 2686	28	2	101	4	2	0	0	1
## 2687	50	24	81	2	0	0	0	1
## 2688	52	27	135	1	0	1	0	0
## 2689	56	30	34	2	0	0	1	0
## 2690	40	16	104	1	3	1	0	0
## 2691	64	38	29	3	0	0	1	0
## 2692	61	36	119	2	5	0	1	0
## 2693	46	20	82	2	1	0	1	0
## 2694	55	29	62	1	0	1	0	0
## 2695	45	19	85	3	2	1	0	0
## 2696	40	15	8	2	0	0	1	0
## 2697	63	37	78	4	1	0	0	1
## 2698	57	32	44	3	0	0	1	0
## 2699	38	14	122	2	8	1	0	0
## 2700	37	11	22	3	0	0	1	0
## 2701	31	5	39	4	2	0	1	0
## 2702	50	26	55	1	1	0	1	0
## 2703	42	18	144	2	6	1	0	0
## 2704	51	27	71	1	2	0	1	0
## 2705	38	13	191	2	3	1	0	0
## 2706	53	26	22	1	0	0	1	0
## 2707	43	17	158	1	2	1	0	0
## 2708	35	9	131	3	0	0	0	1
## 2709	49	24	75	1	2	0	1	0
## 2710	28	4	69	3	0	0	1	0
## 2711	51	27	39	2	0	1	0	0
## 2712	39	14	34	4	1	1	0	0
## 2713	31	7	32	1	1	1	0	0
## 2714	44	18	129	1	5	1	0	0
## 2715	46	20	158	3	5	1	0	0
## 2716	42	18	54	1	1	1	0	0
## 2717	41	17	34	1	2	0	1	0
## 2718	23	-2	45	4	0	0	1	0
## 2719	59	33	68	2	2	0	0	1
## 2720	47	21	53	1	1	0	1	0
## 2721	48	23	32	1	0	1	0	0
## 2722	58	33	173	2	7	0	0	1
## 2723	58	34	31	4	0	1	0	0
## 2724	54	29	72	2	3	1	0	0

## 2725	49	24	30	4	0	0	1	0
## 2726	63	38	138	1	2	1	0	0
## 2727	62	37	18	1	1	0	1	0
## 2728	45	19	69	1	2	1	0	0
## 2729	39	13	58	3	2	1	0	0
## 2730	58	34	63	4	1	1	0	0
## 2731	56	30	43	2	0	1	0	0
## 2732	29	5	28	1	0	0	0	1
## 2733	33	9	38	1	2	0	0	1
## 2734	55	29	72	3	0	0	1	0
## 2735	56	31	64	4	0	1	0	0
## 2736	36	12	70	3	2	0	1	0
## 2737	53	29	12	1	0	1	0	0
## 2738	57	31	159	2	0	1	0	0
## 2739	35	9	103	2	4	0	0	1
## 2740	43	18	42	1	0	0	0	1
## 2741	54	29	48	2	2	0	0	1
## 2742	29	3	49	1	1	1	0	0
## 2743	39	14	89	2	0	1	0	0
## 2744	32	8	22	4	0	0	1	0
## 2745	51	27	10	2	0	1	0	0
## 2746	50	25	38	1	1	0	1	0
## 2747	54	29	49	2	2	0	0	1
## 2748	38	12	30	2	1	0	0	1
## 2749	32	7	82	1	2	0	1	0
## 2750	62	37	82	1	0	0	0	1
## 2751	57	33	24	1	0	0	1	0
## 2752	47	23	32	4	0	1	0	0
## 2753	51	25	34	3	0	0	0	1
## 2754	54	27	195	2	4	0	1	0
## 2755	26	1	61	4	2	1	0	0
## 2756	37	11	22	3	0	0	1	0
## 2757	27	0	40	4	1	0	0	1
## 2758	63	38	50	2	2	1	0	0
## 2759	62	36	35	2	0	0	0	1
## 2760	59	33	64	3	0	0	1	0
## 2761	32	7	49	3	2	1	0	0
## 2762	35	8	44	4	1	0	1	0
## 2763	56	31	65	2	3	1	0	0
## 2764	55	31	13	4	0	1	0	0
## 2765	31	5	84	1	2	0	0	1
## 2766	54	29	28	4	0	0	1	0
## 2767	58	32	108	3	4	1	0	0
## 2768	48	24	59	1	0	1	0	0
## 2769	48	22	163	1	2	1	0	0
## 2770	33	9	183	2	8	0	0	1
## 2771	36	6	69	4	4	0	0	1
## 2772	41	16	115	1	7	1	0	0
## 2773	55	31	130	4	6	1	0	0
## 2774	63	37	185	2	7	0	1	0
## 2775	53	29	118	2	0	1	0	0
## 2776	38	13	163	1	4	1	0	0
## 2777	46	20	140	2	6	1	0	0
## 2778	59	33	91	2	0	0	1	0

## 2779	56	31	61	4	1	0	0	1
## 2780	59	35	168	4	4	0	1	0
## 2781	39	13	69	3	0	0	1	0
## 2782	47	21	22	1	0	1	0	0
## 2783	47	22	53	1	0	1	0	0
## 2784	53	26	25	2	1	0	1	0
## 2785	36	9	115	4	2	0	1	0
## 2786	34	9	31	4	1	0	0	1
## 2787	36	10	83	1	2	0	0	1
## 2788	60	34	152	2	6	1	0	0
## 2789	45	20	30	1	0	1	0	0
## 2790	27	3	34	1	0	0	0	1
## 2791	47	22	44	1	1	0	0	1
## 2792	44	20	182	2	7	1	0	0
## 2793	54	30	44	3	1	1	0	0
## 2794	57	33	122	2	6	1	0	0
## 2795	52	26	35	4	1	1	0	0
## 2796	51	25	91	1	0	0	0	1
## 2797	57	32	30	2	2	0	1	0
## 2798	65	39	53	1	2	0	0	1
## 2799	58	33	28	1	0	0	0	1
## 2800	64	39	85	4	3	0	1	0
## 2801	52	26	28	2	0	0	1	0
## 2802	58	34	41	4	0	1	0	0
## 2803	52	22	154	1	5	0	0	1
## 2804	43	18	41	1	0	0	0	1
## 2805	56	32	33	3	1	1	0	0
## 2806	37	12	182	3	5	0	0	1
## 2807	53	27	59	2	0	0	0	1
## 2808	27	2	129	2	3	1	0	0
## 2809	53	27	35	3	0	0	0	1
## 2810	42	16	185	3	2	0	1	0
## 2811	58	34	45	4	1	0	1	0
## 2812	36	12	62	4	0	0	1	0
## 2813	53	28	183	3	8	0	0	1
## 2814	48	22	14	2	0	0	0	1
## 2815	54	28	53	1	2	0	0	1
## 2816	26	1	48	3	2	0	0	1
## 2817	50	26	128	2	0	1	0	0
## 2818	31	7	105	1	4	1	0	0
## 2819	35	9	40	3	0	1	0	0
## 2820	63	37	10	2	0	1	0	0
## 2821	29	4	102	2	3	1	0	0
## 2822	57	32	31	3	0	0	1	0
## 2823	30	5	30	4	0	1	0	0
## 2824	33	7	21	1	0	0	0	1
## 2825	62	36	44	2	0	1	0	0
## 2826	35	10	48	1	2	0	0	1
## 2827	37	11	21	3	0	0	1	0
## 2828	37	11	84	4	2	0	1	0
## 2829	35	10	64	3	0	0	1	0
## 2830	35	9	82	1	2	1	0	0
## 2831	59	35	39	4	1	1	0	0
## 2832	53	27	45	2	0	0	0	1

## 2833	45	21	133	4	5	0	0	1
## 2834	46	22	152	2	1	1	0	0
## 2835	40	16	12	1	1	1	0	0
## 2836	42	16	32	3	1	1	0	0
## 2837	25	1	74	4	2	1	0	0
## 2838	39	14	54	2	1	0	1	0
## 2839	30	6	181	3	4	0	1	0
## 2840	58	33	75	2	0	0	0	1
## 2841	41	15	95	3	0	1	0	0
## 2842	37	11	190	4	7	0	1	0
## 2843	36	11	90	1	2	1	0	0
## 2844	27	3	20	4	1	1	0	0
## 2845	60	34	64	3	2	0	0	1
## 2846	62	36	85	2	1	0	0	1
## 2847	67	43	105	4	1	0	1	0
## 2848	44	18	21	1	0	1	0	0
## 2849	24	-1	78	2	1	0	1	0
## 2850	45	21	158	2	6	1	0	0
## 2851	58	34	125	1	4	1	0	0
## 2852	61	36	81	3	1	0	1	0
## 2853	54	29	183	1	8	1	0	0
## 2854	28	3	54	4	0	0	1	0
## 2855	49	24	79	4	3	0	0	1
## 2856	35	11	38	1	1	0	1	0
## 2857	36	10	172	4	1	0	1	0
## 2858	34	8	184	3	7	1	0	0
## 2859	36	11	158	2	7	1	0	0
## 2860	35	11	188	1	0	0	0	1
## 2861	27	2	20	4	0	0	0	1
## 2862	42	18	60	4	0	0	0	1
## 2863	65	39	113	4	2	0	0	1
## 2864	29	5	70	4	0	1	0	0
## 2865	65	41	84	2	0	0	0	1
## 2866	59	33	23	2	0	0	0	1
## 2867	46	22	141	2	3	1	0	0
## 2868	59	33	110	3	4	1	0	0
## 2869	52	26	31	4	1	1	0	0
## 2870	60	35	22	1	1	1	0	0
## 2871	43	17	91	1	5	1	0	0
## 2872	65	39	82	4	2	0	0	1
## 2873	50	26	23	1	0	1	0	0
## 2874	48	23	35	1	0	1	0	0
## 2875	49	25	114	1	2	0	0	1
## 2876	58	33	18	3	0	0	1	0
## 2877	24	-2	80	2	1	0	0	1
## 2878	58	32	74	2	2	0	0	1
## 2879	45	19	122	4	4	0	1	0
## 2880	42	15	73	3	2	0	1	0
## 2881	64	40	40	2	1	1	0	0
## 2882	49	25	55	4	0	0	0	1
## 2883	55	31	69	1	2	0	1	0
## 2884	40	14	92	4	1	0	1	0
## 2885	28	2	48	4	2	0	0	1
## 2886	57	31	113	4	0	0	0	1

## 2887	50	25	58	1	1	0	1	0
## 2888	40	16	109	2	2	1	0	0
## 2889	55	28	39	3	1	0	1	0
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## 2891	48	24	18	4	0	1	0	0
## 2892	59	33	63	1	1	1	0	0
## 2893	58	32	43	1	2	0	1	0
## 2894	38	14	70	4	2	0	0	1
## 2895	49	25	19	1	0	0	0	1
## 2896	60	36	39	4	1	0	1	0
## 2897	54	28	81	3	0	1	0	0
## 2898	28	2	34	4	1	0	0	1
## 2899	27	1	140	1	5	0	1	0
## 2900	42	18	114	1	0	1	0	0
## 2901	52	28	55	2	3	0	0	1
## 2902	54	30	21	1	0	0	1	0
## 2903	56	30	50	4	2	0	1	0
## 2904	58	34	41	3	1	1	0	0
## 2905	56	32	190	3	2	1	0	0
## 2906	64	40	8	2	0	0	0	1
## 2907	35	8	55	2	1	0	1	0
## 2908	45	20	40	2	1	1	0	0
## 2909	57	32	22	3	0	0	1	0
## 2910	35	8	44	2	1	0	1	0
## 2911	46	22	102	3	4	0	0	1
## 2912	30	4	54	4	1	0	0	1
## 2913	44	20	130	4	3	0	1	0
## 2914	39	12	75	3	2	0	1	0
## 2915	42	18	42	2	1	1	0	0
## 2916	34	9	133	1	3	1	0	0
## 2917	46	20	40	1	1	0	1	0
## 2918	55	31	34	3	1	1	0	0
## 2919	28	3	142	1	0	1	0	0
## 2920	35	10	64	3	2	1	0	0
## 2921	60	35	44	2	1	0	0	1
## 2922	50	24	95	1	0	1	0	0
## 2923	52	26	49	1	1	0	0	1
## 2924	51	27	12	2	0	1	0	0
## 2925	51	26	98	1	1	0	0	1
## 2926	59	35	42	4	0	1	0	0
## 2927	53	28	44	2	0	0	0	1
## 2928	43	17	124	1	5	1	0	0
## 2929	31	6	175	2	6	1	0	0
## 2930	32	6	22	4	0	1	0	0
## 2931	41	17	78	4	2	1	0	0
## 2932	31	4	54	2	1	0	1	0
## 2933	41	16	154	1	7	1	0	0
## 2934	47	22	42	3	2	0	1	0
## 2935	37	13	195	2	6	1	0	0
## 2936	53	23	80	1	3	0	0	1
## 2937	49	22	81	3	2	0	1	0
## 2938	62	36	89	2	2	1	0	0
## 2939	33	9	61	3	2	0	1	0
## 2940	54	24	25	4	0	0	0	1



##	2941	27	3	43	3	0	0	1	0
##	2942	60	35	122	1	2	1	0	0
##	2943	29	5	160	1	4	1	0	0
##	2944	56	32	83	4	1	0	1	0
##	2945	55	30	79	2	0	0	0	1
##	2946	45	19	30	3	0	0	1	0
##	2947	33	9	145	1	4	1	0	0
##	2948	45	21	151	2	3	1	0	0
##	2949	44	18	14	2	0	0	0	1
##	2950	37	11	19	3	0	0	1	0
##	2951	42	16	55	1	0	0	0	1
##	2952	26	2	132	2	2	0	0	1
##	2953	33	8	182	1	8	1	0	0
##	2954	61	36	78	3	0	1	0	0
##	2955	31	7	42	1	2	0	1	0
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##	2957	62	38	195	4	5	0	0	1
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##	2962	60	36	50	1	1	0	0	1
##	2963	23	-2	81	2	1	0	1	0
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##	2965	35	10	73	3	2	1	0	0
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##	2967	32	7	84	3	0	0	1	0
##	2968	38	14	95	2	1	1	0	0
##	2969	44	18	162	4	1	1	0	0
##	2970	43	18	60	2	2	0	0	1
##	2971	54	30	121	2	1	0	0	1
##	2972	52	25	43	3	1	0	1	0
##	2973	31	7	38	1	1	0	1	0
##	2974	47	22	82	1	2	1	0	0
##	2975	42	18	52	4	1	1	0	0
##	2976	57	33	43	3	1	1	0	0
##	2977	33	8	82	1	2	0	1	0
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##	2979	56	30	24	2	0	0	1	0
##	2980	57	32	102	1	2	1	0	0
##	2981	25	-1	53	3	2	0	1	0
##	2982	53	28	85	1	1	1	0	0
##	2983	59	33	111	3	4	1	0	0
##	2984	56	32	90	2	0	1	0	0
##	2985	54	28	94	2	1	1	0	0
##	2986	48	23	63	4	3	0	0	1
##	2987	55	30	153	2	2	0	1	0
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##	2989	46	21	205	2	8	1	0	0
##	2990	42	18	142	1	3	1	0	0
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##	2992	42	17	113	3	1	1	0	0
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##	2995	50	24	179	1	1	1	0	0
##	2996	54	24	91	2	4	0	0	1
##	2997	42	18	103	1	3	1	0	0
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##	2999	61	35	38	2	0	1	0	0
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##	3001	40	14	164	1	4	0	1	0
##	3002	33	7	81	3	1	1	0	0
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##	3010	33	9	74	3	2	0	1	0
##	3011	25	1	72	3	0	1	0	0
##	3012	55	31	63	3	2	1	0	0
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##	3016	44	18	68	4	2	1	0	0
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##	3018	57	32	68	2	3	1	0	0
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##	3021	44	20	151	1	3	1	0	0
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##	3029	63	39	38	3	0	0	0	1
##	3030	41	17	119	2	6	1	0	0
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##	3033	47	22	19	1	0	0	0	1
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##	3037	33	9	14	4	0	0	1	0
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## 3049	63	39	49	1	0	1	0	0
## 3050	60	35	125	2	3	1	0	0
## 3051	50	25	58	1	1	0	1	0
## 3052	60	35	48	3	1	1	0	0
## 3053	54	30	75	2	3	0	0	1
## 3054	28	4	114	2	0	1	0	0
## 3055	45	21	134	4	5	0	1	0
## 3056	28	2	111	4	2	0	0	1
## 3057	54	29	62	4	3	0	1	0
## 3058	42	18	45	1	0	1	0	0
## 3059	30	4	113	2	0	1	0	0
## 3060	61	36	128	1	2	1	0	0
## 3061	64	38	168	4	5	0	0	1
## 3062	38	13	81	1	4	0	0	1
## 3063	39	14	75	1	0	0	1	0
## 3064	54	29	21	4	0	0	0	1
## 3065	59	33	83	3	4	1	0	0
## 3066	39	15	121	1	3	1	0	0
## 3067	63	33	40	4	1	0	0	1
## 3068	31	5	101	1	2	0	0	1
## 3069	56	26	90	2	4	0	0	1
## 3070	47	20	68	1	2	0	1	0
## 3071	28	3	74	2	1	0	1	0
## 3072	32	8	74	4	0	0	1	0
## 3073	54	30	51	2	3	0	0	1
## 3074	29	5	149	1	1	1	0	0
## 3075	39	15	31	1	1	0	0	1
## 3076	26	0	85	2	1	0	0	1
## 3077	29	-1	62	2	1	0	0	1
## 3078	46	21	44	1	0	1	0	0
## 3079	38	13	63	3	0	0	0	1
## 3080	55	31	23	2	0	1	0	0
## 3081	48	22	40	3	2	0	1	0
## 3082	36	10	78	2	4	0	0	1
## 3083	39	13	40	3	0	0	0	1
## 3084	40	16	78	4	2	1	0	0
## 3085	26	0	129	3	0	0	1	0
## 3086	55	29	71	3	0	0	1	0
## 3087	61	35	23	3	0	0	0	1
## 3088	57	33	15	2	0	1	0	0
## 3089	56	31	28	1	1	1	0	0
## 3090	31	5	23	3	1	1	0	0
## 3091	61	31	19	1	1	0	0	1
## 3092	58	32	42	3	1	0	0	1
## 3093	43	18	113	2	0	1	0	0
## 3094	29	5	34	4	0	0	1	0
## 3095	50	23	19	1	0	0	1	0
## 3096	49	25	43	1	1	0	1	0
## 3097	43	18	179	3	1	1	0	0
## 3098	58	32	44	3	2	0	0	1
## 3099	41	16	21	2	0	0	1	0
## 3100	65	40	115	1	2	1	0	0
## 3101	52	27	81	4	3	0	1	0
## 3102	55	31	91	2	2	1	0	0

## 3103	49	25	30	4	0	0	1	0
## 3104	52	22	55	3	1	0	0	1
## 3105	56	31	48	2	2	0	0	1
## 3106	30	4	23	4	0	0	1	0
## 3107	36	10	21	3	0	0	1	0
## 3108	41	17	55	2	1	1	0	0
## 3109	42	15	21	3	1	0	1	0
## 3110	60	34	40	3	2	0	0	1
## 3111	44	20	30	4	0	1	0	0
## 3112	34	9	78	3	0	0	1	0
## 3113	56	32	65	2	3	0	0	1
## 3114	31	5	50	4	2	0	0	1
## 3115	29	4	55	4	2	0	1	0
## 3116	31	5	111	2	0	1	0	0
## 3117	36	10	21	3	0	0	1	0
## 3118	42	16	65	3	0	0	0	1
## 3119	64	39	114	1	0	0	0	1
## 3120	61	36	54	3	0	0	0	1
## 3121	35	11	75	2	1	0	1	0
## 3122	28	2	13	4	0	1	0	0
## 3123	38	14	54	2	0	0	0	1
## 3124	44	17	22	3	1	0	1	0
## 3125	45	20	198	2	2	1	0	0
## 3126	46	20	18	1	0	1	0	0
## 3127	57	32	74	4	0	1	0	0
## 3128	40	14	61	4	0	0	0	1
## 3129	38	12	64	2	1	1	0	0
## 3130	39	14	10	2	0	0	1	0
## 3131	23	-2	82	2	1	0	1	0
## 3132	47	22	61	3	2	0	1	0
## 3133	32	7	83	2	2	1	0	0
## 3134	30	5	73	3	2	0	0	1
## 3135	54	30	22	2	0	1	0	0
## 3136	25	0	91	2	1	0	1	0
## 3137	60	34	65	3	2	0	0	1
## 3138	61	36	13	3	0	1	0	0
## 3139	36	11	103	1	4	1	0	0
## 3140	52	26	95	1	0	1	0	0
## 3141	33	7	31	4	1	1	0	0
## 3142	57	31	131	3	0	1	0	0
## 3143	34	8	175	4	1	0	0	1
## 3144	50	24	38	4	0	1	0	0
## 3145	43	18	104	3	1	1	0	0
## 3146	34	10	114	3	3	0	0	1
## 3147	26	1	38	4	1	0	1	0
## 3148	26	0	30	4	1	0	0	1
## 3149	48	22	19	2	0	0	0	1
## 3150	49	25	25	4	1	1	0	0
## 3151	47	22	124	4	5	0	0	1
## 3152	43	19	20	3	0	1	0	0
## 3153	40	15	83	1	1	0	0	1
## 3154	31	5	18	4	0	0	1	0
## 3155	27	1	99	1	3	0	0	1
## 3156	55	29	62	3	0	0	1	0

## 3157	54	30	24	1	0	0	1	0
## 3158	23	-1	13	4	1	1	0	0
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## 3160	57	33	62	3	2	1	0	0
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## 3164	51	27	52	2	1	0	0	1
## 3165	28	4	82	4	0	1	0	0
## 3166	63	37	140	2	6	1	0	0
## 3167	29	4	80	1	0	0	1	0
## 3168	62	38	58	4	1	0	1	0
## 3169	51	25	180	1	1	1	0	0
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## 3171	43	16	65	3	2	0	1	0
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## 3173	35	9	23	4	0	1	0	0
## 3174	34	10	35	1	1	1	0	0
## 3175	49	24	35	4	0	0	1	0
## 3176	43	18	74	4	0	1	0	0
## 3177	48	24	14	3	0	1	0	0
## 3178	30	4	83	2	1	0	0	1
## 3179	46	21	71	4	1	0	0	1
## 3180	43	17	53	2	0	1	0	0
## 3181	27	3	103	2	0	1	0	0
## 3182	39	15	109	1	1	1	0	0
## 3183	58	33	60	2	1	0	1	0
## 3184	44	17	12	3	0	0	1	0
## 3185	39	15	141	2	8	1	0	0
## 3186	35	10	128	1	3	1	0	0
## 3187	41	16	98	3	1	1	0	0
## 3188	43	18	41	1	0	0	0	1
## 3189	55	25	90	2	4	0	0	1
## 3190	32	6	31	1	0	1	0	0
## 3191	56	26	74	1	3	0	0	1
## 3192	30	5	83	4	1	0	0	1
## 3193	65	39	35	1	0	0	0	1
## 3194	31	7	140	1	4	1	0	0
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## 3196	55	29	35	3	1	1	0	0
## 3197	37	7	73	4	1	0	0	1
## 3198	34	10	29	1	1	0	1	0
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## 3200	33	9	20	4	0	0	1	0
## 3201	48	23	70	1	2	0	1	0
## 3202	28	3	81	4	0	1	0	0
## 3203	30	4	25	2	0	1	0	0
## 3204	44	20	119	2	7	1	0	0
## 3205	61	35	49	4	1	0	1	0
## 3206	59	33	38	1	1	1	0	0
## 3207	33	7	80	2	1	0	0	1
## 3208	56	32	84	1	4	1	0	0
## 3209	53	29	61	4	1	0	1	0
## 3210	42	16	173	2	1	0	1	0

## 3211	43	19	60	2	2	1	0	0
## 3212	35	9	83	2	4	0	0	1
## 3213	61	35	59	1	2	0	1	0
## 3214	39	9	32	3	2	0	0	1
## 3215	61	37	33	3	0	0	0	1
## 3216	40	15	19	4	0	0	0	1
## 3217	34	8	14	4	0	1	0	0
## 3218	65	39	94	4	4	1	0	0
## 3219	40	16	154	2	6	1	0	0
## 3220	39	15	33	1	2	0	1	0
## 3221	61	35	28	2	0	0	0	1
## 3222	40	16	44	1	1	1	0	0
## 3223	49	23	81	2	0	0	0	1
## 3224	43	18	29	1	0	0	0	1
## 3225	45	21	58	3	0	0	0	1
## 3226	52	28	38	4	0	0	1	0
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## 3229	27	2	45	2	1	0	1	0
## 3230	33	9	64	4	3	1	0	0
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## 3232	62	37	24	1	0	0	0	1
## 3233	55	25	65	4	2	0	0	1
## 3234	46	20	111	1	0	1	0	0
## 3235	37	12	114	3	0	0	1	0
## 3236	60	35	39	2	1	0	0	1
## 3237	44	14	19	1	0	0	0	1
## 3238	35	9	22	3	0	0	1	0
## 3239	52	28	49	4	1	0	1	0
## 3240	30	4	40	1	0	1	0	0
## 3241	62	36	63	1	1	1	0	0
## 3242	41	15	55	1	2	1	0	0
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## 3244	52	26	31	4	1	0	0	1
## 3245	48	24	24	4	0	1	0	0
## 3246	47	22	81	4	3	0	0	1
## 3247	41	17	81	1	0	0	1	0
## 3248	44	20	113	2	3	1	0	0
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## 3250	50	25	81	1	1	1	0	0
## 3251	36	11	101	3	1	0	0	1
## 3252	52	26	78	3	3	0	1	0
## 3253	62	38	78	2	0	0	0	1
## 3254	55	30	35	1	1	0	1	0
## 3255	61	37	9	2	0	0	0	1
## 3256	34	7	82	4	2	0	1	0
## 3257	34	9	41	1	2	0	0	1
## 3258	59	35	84	1	1	0	0	1
## 3259	41	17	42	4	2	0	1	0
## 3260	33	8	54	3	2	1	0	0
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## 3262	64	40	131	1	3	1	0	0
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## 3265	67	41	114	4	2	0	0	1
## 3266	40	14	61	3	0	0	0	1
## 3267	57	31	39	1	2	0	0	1
## 3268	59	35	21	2	1	1	0	0
## 3269	43	17	111	4	5	0	0	1
## 3270	58	34	68	2	2	1	0	0
## 3271	50	23	179	4	3	0	1	0
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## 3274	40	15	180	1	4	1	0	0
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## 3278	43	19	81	2	3	1	0	0
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## 3280	26	-1	44	1	2	0	1	0
## 3281	58	33	98	1	2	1	0	0
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## 3283	45	21	91	1	4	1	0	0
## 3284	56	30	29	4	0	0	1	0
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## 3286	38	13	65	3	0	0	1	0
## 3287	62	36	58	1	2	0	1	0
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## 3289	56	30	140	4	0	1	0	0
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## 3292	53	28	38	1	1	0	1	0
## 3293	25	-1	13	4	0	1	0	0
## 3294	44	20	62	2	2	1	0	0
## 3295	42	12	29	3	2	0	0	1
## 3296	42	16	141	3	4	0	1	0
## 3297	63	37	132	1	4	0	1	0
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## 3299	56	32	11	2	0	1	0	0
## 3300	60	34	90	4	1	0	1	0
## 3301	62	38	43	1	1	0	1	0
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## 3304	55	29	28	2	0	0	1	0
## 3305	42	17	108	3	1	1	0	0
## 3306	39	13	78	1	2	0	0	1
## 3307	47	22	65	1	2	1	0	0
## 3308	34	10	25	4	1	1	0	0
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## 3310	52	27	43	4	0	0	1	0
## 3311	53	29	95	4	1	0	1	0
## 3312	49	25	24	1	0	1	0	0
## 3313	47	22	190	2	8	1	0	0
## 3314	48	24	24	1	0	0	0	1
## 3315	38	13	41	4	1	1	0	0
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## 3317	56	26	63	3	2	0	0	1
## 3318	65	41	79	3	2	0	0	1

##	3319	46	20	105	4	3	1	0	0
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##	3321	50	25	114	1	0	1	0	0
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##	3329	45	20	22	1	0	1	0	0
##	3330	35	10	132	1	3	1	0	0
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##	3332	67	42	21	3	0	0	0	1
##	3333	36	9	49	2	1	0	1	0
##	3334	37	13	79	4	0	0	1	0
##	3335	40	14	30	2	0	0	0	1
##	3336	35	10	118	2	7	1	0	0
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##	3338	59	29	61	3	2	0	0	1
##	3339	35	9	43	4	1	0	1	0
##	3340	27	1	141	4	5	0	0	1
##	3341	29	3	54	4	1	0	0	1
##	3342	35	9	33	2	0	1	0	0
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##	3344	62	37	125	1	1	0	0	1
##	3345	43	19	110	1	3	1	0	0
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##	3350	55	25	95	2	4	0	0	1
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##	3358	32	6	112	1	2	0	1	0
##	3359	59	35	40	4	0	1	0	0
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##	3367	33	9	152	1	6	1	0	0
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##	3369	45	18	163	3	5	0	1	0
##	3370	34	10	84	4	0	0	1	0
##	3371	39	13	59	3	0	0	0	1
##	3372	44	18	33	3	0	0	1	0



## 3373	55	29	81	4	4	1	0	0
## 3374	28	2	182	3	7	0	1	0
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## 3376	43	18	88	4	1	0	1	0
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## 3381	64	38	21	1	0	0	1	0
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## 3406	55	30	50	2	2	0	0	1
## 3407	42	12	34	3	2	0	0	1
## 3408	58	32	19	4	0	0	0	1
## 3409	45	21	71	4	1	1	0	0
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## 3415	61	36	18	1	1	1	0	0
## 3416	36	12	93	2	2	1	0	0
## 3417	61	37	62	1	0	0	1	0
## 3418	39	12	23	3	1	0	1	0
## 3419	57	31	40	3	1	0	0	1
## 3420	35	10	34	4	1	1	0	0
## 3421	66	41	114	1	0	0	0	1
## 3422	49	23	125	1	2	1	0	0
## 3423	48	23	41	1	1	0	0	1
## 3424	61	35	38	2	1	0	0	1
## 3425	44	19	45	4	0	0	1	0
## 3426	23	-1	12	4	1	1	0	0

## 3427	31	5	115	2	1	0	0	1
## 3428	39	15	175	2	8	1	0	0
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## 3430	39	14	28	2	1	0	1	0
## 3431	64	38	32	2	0	1	0	0
## 3432	64	38	63	2	1	0	0	1
## 3433	47	23	32	1	1	1	0	0
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## 3435	56	31	53	2	1	0	0	1
## 3436	33	8	58	4	1	1	0	0
## 3437	56	29	42	4	2	0	1	0
## 3438	57	31	39	4	0	0	1	0
## 3439	43	17	72	1	2	1	0	0
## 3440	43	17	80	3	0	1	0	0
## 3441	26	1	39	4	0	0	1	0
## 3442	64	40	18	2	0	0	0	1
## 3443	43	18	30	1	0	0	0	1
## 3444	44	18	54	1	2	1	0	0
## 3445	60	35	128	1	0	1	0	0
## 3446	37	13	38	1	1	0	1	0
## 3447	56	32	120	1	7	1	0	0
## 3448	54	29	25	4	0	0	0	1
## 3449	43	18	85	4	1	0	0	1
## 3450	57	32	135	3	4	0	1	0
## 3451	29	4	14	4	0	0	0	1
## 3452	54	30	70	1	1	0	0	1
## 3453	61	37	23	3	0	0	1	0
## 3454	29	3	31	4	0	0	1	0
## 3455	47	21	132	1	0	1	0	0
## 3456	43	19	28	3	0	1	0	0
## 3457	46	22	125	2	4	0	0	1
## 3458	55	31	91	2	2	1	0	0
## 3459	48	23	191	2	2	1	0	0
## 3460	26	1	88	2	1	0	1	0
## 3461	63	37	84	4	2	0	0	1
## 3462	57	27	64	3	2	0	0	1
## 3463	58	33	28	2	0	0	1	0
## 3464	28	3	149	1	0	1	0	0
## 3465	61	37	172	4	4	1	0	0
## 3466	65	41	42	1	1	0	1	0
## 3467	33	6	53	2	1	0	1	0
## 3468	63	37	149	2	0	0	0	1
## 3469	43	19	113	2	1	0	1	0
## 3470	26	2	79	2	2	1	0	0
## 3471	57	31	175	2	0	1	0	0
## 3472	50	25	38	1	1	0	0	1
## 3473	54	27	120	4	3	0	1	0
## 3474	59	34	52	4	0	1	0	0
## 3475	49	24	42	2	0	0	1	0
## 3476	54	30	13	1	0	1	0	0
## 3477	65	39	141	2	6	1	0	0
## 3478	34	10	131	2	4	1	0	0
## 3479	31	6	133	1	1	0	0	1
## 3480	31	6	64	2	2	1	0	0

## 3481	64	39	49	2	1	1	0	0
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## 3483	57	33	91	1	4	1	0	0
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## 3485	45	18	53	3	2	0	1	0
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## 3487	25	1	20	4	1	1	0	0
## 3488	29	4	104	4	1	0	0	1
## 3489	40	15	51	2	1	0	1	0
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## 3491	33	9	38	1	1	1	0	0
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## 3498	55	31	134	2	0	1	0	0
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## 3500	49	23	114	1	0	1	0	0
## 3501	51	26	90	1	2	0	1	0
## 3502	65	39	105	4	1	0	0	1
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## 3504	29	3	53	4	2	0	0	1
## 3505	46	20	15	4	0	0	0	1
## 3506	64	39	103	1	0	0	0	1
## 3507	27	1	58	4	1	0	1	0
## 3508	50	23	83	1	2	0	1	0
## 3509	33	9	125	1	4	0	0	1
## 3510	38	12	61	3	0	0	0	1
## 3511	38	11	69	3	2	0	1	0
## 3512	37	11	89	1	1	0	0	1
## 3513	46	20	70	4	2	1	0	0
## 3514	31	4	39	2	1	0	1	0
## 3515	35	9	41	4	1	0	1	0
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## 3517	45	21	38	3	0	0	1	0
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## 3519	60	36	129	2	6	1	0	0
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## 3523	64	40	90	2	0	0	0	1
## 3524	29	4	150	1	0	1	0	0
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## 3528	35	10	24	4	1	0	0	1
## 3529	43	17	41	3	2	0	1	0
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##	3535	34	10	61	3	2	1	0	0
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##	3552	60	35	55	3	0	0	1	0
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##	3555	37	13	72	4	2	0	0	1
##	3556	35	9	81	1	2	0	1	0
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##	3565	33	7	29	1	0	0	0	1
##	3566	40	15	43	2	1	0	1	0
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##	3571	54	29	32	2	0	0	0	1
##	3572	42	18	153	3	5	1	0	0
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##	3580	28	2	84	1	2	0	0	1
##	3581	41	16	62	2	2	0	0	1
##	3582	28	4	33	3	1	0	1	0
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##	3585	63	37	15	1	0	0	1	0
##	3586	45	18	45	3	1	0	1	0
##	3587	40	15	132	2	3	1	0	0
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## 3589	62	38	65	1	0	0	1	0
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## 3591	32	7	64	2	0	1	0	0
## 3592	58	32	73	2	2	0	0	1
## 3593	33	3	20	1	0	0	0	1
## 3594	60	34	44	2	0	1	0	0
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## 3596	38	14	104	2	1	0	1	0
## 3597	44	20	88	1	4	1	0	0
## 3598	56	26	51	3	2	0	0	1
## 3599	37	11	61	3	0	0	1	0
## 3600	45	19	23	2	0	0	0	1
## 3601	44	20	38	2	2	0	0	1
## 3602	37	13	75	3	2	0	1	0
## 3603	47	21	42	4	0	1	0	0
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## 3605	63	38	59	3	0	0	1	0
## 3606	61	31	130	2	2	0	0	1
## 3607	43	18	9	2	0	0	0	1
## 3608	41	15	62	3	0	0	0	1
## 3609	59	35	202	1	4	1	0	0
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## 3611	32	6	93	3	1	1	0	0
## 3612	64	39	145	1	0	1	0	0
## 3613	50	25	99	1	4	1	0	0
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## 3615	34	10	154	3	5	0	1	0
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## 3618	37	11	30	2	0	1	0	0
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## 3620	45	20	42	1	0	0	0	1
## 3621	53	29	132	2	0	1	0	0
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## 3625	58	28	70	1	1	0	0	1
## 3626	47	21	71	4	2	1	0	0
## 3627	24	-3	28	4	1	0	0	1
## 3628	27	1	83	2	0	1	0	0
## 3629	42	18	131	1	3	1	0	0
## 3630	50	26	82	1	0	1	0	0
## 3631	41	16	79	1	4	0	0	1
## 3632	46	21	51	4	1	0	0	1
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## 3636	58	33	24	2	0	0	1	0
## 3637	37	11	64	3	0	0	1	0
## 3638	39	14	104	3	1	1	0	0
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## 3640	51	26	191	1	8	1	0	0
## 3641	64	34	53	4	1	0	0	1
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## 3643	55	29	21	4	0	0	0	1
## 3644	57	32	80	3	1	0	0	1
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## 3647	34	9	141	3	6	0	1	0
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## 3649	43	13	38	3	2	0	0	1
## 3650	53	29	85	3	1	0	1	0
## 3651	47	21	93	2	0	0	0	1
## 3652	49	23	140	1	1	0	0	1
## 3653	35	9	69	4	2	0	1	0
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## 3656	48	22	125	1	2	1	0	0
## 3657	35	8	30	4	1	0	1	0
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## 3660	33	7	22	1	0	0	1	0
## 3661	38	12	59	2	2	0	1	0
## 3662	29	4	120	1	4	0	1	0
## 3663	35	9	164	2	0	1	0	0
## 3664	26	2	60	4	1	1	0	0
## 3665	48	24	43	3	1	0	1	0
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## 3668	27	3	59	4	1	1	0	0
## 3669	38	13	129	4	0	0	0	1
## 3670	40	15	22	2	1	0	1	0
## 3671	38	14	29	4	0	0	1	0
## 3672	50	25	18	1	0	0	0	1
## 3673	38	13	65	3	0	0	0	1
## 3674	34	9	65	4	1	1	0	0
## 3675	42	16	38	1	0	1	0	0
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## 3679	49	25	30	4	0	1	0	0
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## 3681	36	11	32	3	1	1	0	0
## 3682	33	9	139	1	4	1	0	0
## 3683	43	17	45	2	0	1	0	0
## 3684	53	27	62	3	3	0	1	0
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## 3686	53	27	93	1	0	0	0	1
## 3687	60	35	122	1	1	1	0	0
## 3688	34	10	45	1	1	1	0	0
## 3689	51	26	179	1	8	1	0	0
## 3690	36	12	64	3	2	1	0	0
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## 3700	46	22	83	4	1	0	1	0
## 3701	48	22	128	1	5	1	0	0
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## 3703	50	25	160	4	4	0	0	1
## 3704	67	41	78	4	2	0	0	1
## 3705	36	11	184	2	5	0	1	0
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## 3707	58	33	51	2	1	0	0	1
## 3708	43	18	35	1	0	0	0	1
## 3709	31	1	74	4	4	0	0	1
## 3710	37	11	43	4	1	0	1	0
## 3711	49	22	23	2	1	0	1	0
## 3712	27	1	20	4	0	1	0	0
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## 3714	46	20	74	3	0	0	1	0
## 3715	49	23	65	2	0	0	0	1
## 3716	29	5	124	2	0	1	0	0
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## 3719	45	19	8	2	0	0	0	1
## 3720	33	8	53	3	2	1	0	0
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## 3722	32	6	13	4	0	1	0	0
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## 3724	51	27	45	1	1	0	1	0
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## 3726	33	6	78	4	2	0	1	0
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## 3728	56	30	31	2	0	1	0	0
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## 3730	43	17	82	3	0	1	0	0
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## 3732	34	8	10	1	0	0	1	0
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## 3734	58	32	72	3	0	0	1	0
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## 3736	40	14	78	1	5	1	0	0
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## 3738	44	19	30	1	0	0	0	1
## 3739	54	28	45	3	1	1	0	0
## 3740	39	14	80	2	0	1	0	0
## 3741	59	35	174	1	4	1	0	0
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## 3743	32	8	181	1	6	1	0	0
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## 3746	27	3	119	1	5	1	0	0
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## 3757	35	11	83	2	2	1	0	0
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## 3782	65	40	118	1	1	1	0	0
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## 3786	54	28	83	1	2	1	0	0
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## 3792	41	17	80	1	0	1	0	0
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## 3794	54	28	140	1	2	1	0	0
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## 3797	24	-2	50	3	2	0	1	0
## 3798	61	35	31	2	0	1	0	0
## 3799	55	25	35	3	1	0	0	1
## 3800	37	11	44	4	0	1	0	0
## 3801	64	38	35	1	0	0	0	1
## 3802	34	8	20	2	0	1	0	0
## 3803	31	7	10	4	0	0	1	0
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## 3805	47	22	203	2	8	1	0	0
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## 3812	47	23	28	4	0	1	0	0
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## 3816	43	19	28	4	0	1	0	0
## 3817	55	30	70	3	2	0	1	0
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## 3819	26	0	102	4	2	0	0	1
## 3820	57	27	50	4	2	0	0	1
## 3821	32	7	61	3	2	1	0	0
## 3822	35	9	188	2	3	0	1	0
## 3823	63	33	178	4	9	0	0	1
## 3824	49	25	44	4	0	0	1	0
## 3825	23	-1	12	4	1	1	0	0
## 3826	30	6	69	4	3	1	0	0
## 3827	43	19	132	1	5	1	0	0
## 3828	39	14	128	2	3	1	0	0
## 3829	31	6	44	4	0	1	0	0
## 3830	65	39	44	1	0	0	0	1
## 3831	34	8	34	2	2	0	0	1
## 3832	37	12	132	2	3	1	0	0
## 3833	62	38	158	2	2	1	0	0
## 3834	33	9	83	1	0	1	0	0
## 3835	48	22	28	1	1	0	0	1
## 3836	33	9	131	3	2	0	0	1
## 3837	45	19	31	3	0	0	1	0
## 3838	44	19	40	4	0	0	1	0
## 3839	37	11	71	2	1	1	0	0
## 3840	31	5	42	2	2	0	0	1
## 3841	56	31	35	3	0	0	1	0
## 3842	30	4	81	2	0	1	0	0
## 3843	61	35	91	2	2	1	0	0
## 3844	32	7	129	4	5	0	1	0
## 3845	51	27	75	1	2	1	0	0
## 3846	26	1	54	4	0	0	1	0
## 3847	31	5	43	1	1	1	0	0
## 3848	43	18	94	4	1	0	1	0
## 3849	57	32	84	4	1	0	0	1
## 3850	42	18	34	1	2	0	1	0
## 3851	48	23	15	4	0	1	0	0
## 3852	46	21	99	2	3	0	0	1
## 3853	33	7	15	1	0	0	1	0
## 3854	45	21	83	4	2	0	0	1
## 3855	31	6	83	4	1	0	0	1
## 3856	42	18	143	1	1	1	0	0
## 3857	56	30	81	4	2	0	0	1
## 3858	63	39	39	1	1	0	1	0

##	3859	42	18	158	2	0	0	1	0
##	3860	50	24	62	1	1	0	0	1
##	3861	31	6	64	2	0	1	0	0
##	3862	65	40	29	1	1	0	1	0
##	3863	60	34	64	3	2	1	0	0
##	3864	34	10	21	4	0	0	1	0
##	3865	62	32	142	2	2	0	0	1
##	3866	56	30	64	3	2	1	0	0
##	3867	51	25	40	4	1	1	0	0
##	3868	44	19	61	3	2	0	1	0
##	3869	41	16	44	1	0	0	0	1
##	3870	43	16	78	3	2	0	1	0
##	3871	25	0	25	2	0	0	0	1
##	3872	40	16	125	2	1	1	0	0
##	3873	53	29	63	2	1	0	0	1
##	3874	54	30	54	1	1	0	0	1
##	3875	36	12	92	2	0	1	0	0
##	3876	26	2	119	2	0	1	0	0
##	3877	35	11	40	1	2	0	1	0
##	3878	29	4	41	1	1	1	0	0
##	3879	35	11	81	2	0	1	0	0
##	3880	28	4	101	3	2	1	0	0
##	3881	48	24	25	4	0	0	1	0
##	3882	46	20	55	1	1	0	1	0
##	3883	31	7	43	1	2	0	0	1
##	3884	40	16	98	2	1	0	1	0
##	3885	27	1	112	4	2	0	0	1
##	3886	32	2	69	4	4	0	0	1
##	3887	67	43	79	4	1	0	1	0
##	3888	24	-2	118	2	7	1	0	0
##	3889	45	18	81	3	2	0	1	0
##	3890	26	0	19	1	0	0	1	0
##	3891	42	17	139	2	2	0	0	1
##	3892	65	40	63	3	0	0	1	0
##	3893	59	33	102	2	1	1	0	0
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##	3895	32	6	44	1	0	1	0	0
##	3896	36	12	59	3	2	1	0	0
##	3897	48	24	224	2	6	1	0	0
##	3898	56	31	64	2	2	0	0	1
##	3899	44	20	129	2	3	1	0	0
##	3900	60	34	43	1	1	1	0	0
##	3901	51	27	12	3	0	1	0	0
##	3902	34	10	53	3	2	0	1	0
##	3903	45	21	39	2	2	0	0	1
##	3904	47	23	65	1	0	1	0	0
##	3905	29	5	18	1	0	0	0	1
##	3906	52	28	55	1	1	0	0	1
##	3907	61	35	60	1	2	0	0	1
##	3908	40	14	42	2	0	1	0	0
##	3909	24	0	44	3	0	0	1	0
##	3910	33	7	111	2	1	1	0	0
##	3911	33	8	62	1	1	1	0	0
##	3912	52	26	44	2	0	0	0	1

## 3913	40	14	69	1	1	0	0	1
## 3914	45	20	62	3	0	0	0	1
## 3915	27	3	35	1	1	0	1	0
## 3916	38	13	91	1	2	1	0	0
## 3917	50	26	12	1	0	1	0	0
## 3918	41	15	89	3	0	1	0	0
## 3919	60	34	65	4	1	0	1	0
## 3920	64	34	179	2	4	0	0	1
## 3921	34	8	82	2	1	0	0	1
## 3922	30	6	48	1	1	1	0	0
## 3923	31	4	20	4	1	0	1	0
## 3924	41	15	91	1	2	0	0	1
## 3925	61	37	122	2	6	1	0	0
## 3926	42	18	22	1	1	0	0	1
## 3927	48	23	43	2	1	1	0	0
## 3928	59	34	38	4	1	1	0	0
## 3929	57	33	61	3	2	1	0	0
## 3930	37	13	33	4	0	0	1	0
## 3931	53	27	145	1	2	1	0	0
## 3932	53	27	170	1	1	1	0	0
## 3933	26	2	55	3	0	0	1	0
## 3934	39	14	40	1	2	0	0	1
## 3935	35	11	68	2	0	1	0	0
## 3936	59	33	53	3	2	1	0	0
## 3937	43	18	63	3	0	0	0	1
## 3938	39	15	123	2	2	1	0	0
## 3939	49	24	13	2	0	1	0	0
## 3940	47	23	12	4	0	1	0	0
## 3941	41	17	53	2	2	1	0	0
## 3942	57	33	79	1	2	0	1	0
## 3943	42	17	89	1	0	0	1	0
## 3944	61	36	188	1	9	0	1	0
## 3945	56	26	62	3	1	0	0	1
## 3946	29	3	123	3	5	0	0	1
## 3947	25	-1	40	3	2	0	1	0
## 3948	32	8	119	4	5	0	0	1
## 3949	37	12	123	4	3	0	1	0
## 3950	31	5	23	1	0	0	1	0
## 3951	38	14	62	1	1	0	0	1
## 3952	40	14	69	3	2	1	0	0
## 3953	61	36	124	2	3	1	0	0
## 3954	50	26	52	4	0	0	0	1
## 3955	32	7	134	2	3	1	0	0
## 3956	62	36	58	1	0	0	1	0
## 3957	62	37	45	3	0	0	1	0
## 3958	40	15	75	4	1	0	1	0
## 3959	59	34	23	4	0	0	1	0
## 3960	43	19	123	3	1	1	0	0
## 3961	62	37	48	3	2	1	0	0
## 3962	48	22	145	1	0	1	0	0
## 3963	29	5	31	1	1	0	0	1
## 3964	58	32	38	3	2	0	0	1
## 3965	43	18	78	4	1	0	0	1
## 3966	39	15	94	2	1	1	0	0

## 3967	33	7	84	1	2	0	0	1
## 3968	40	15	22	1	0	0	0	1
## 3969	28	3	78	4	0	1	0	0
## 3970	38	11	75	3	2	0	1	0
## 3971	65	40	71	3	2	1	0	0
## 3972	35	11	24	1	0	0	0	1
## 3973	29	5	112	2	4	1	0	0
## 3974	61	35	53	1	2	0	1	0
## 3975	46	21	41	1	0	0	0	1
## 3976	50	23	25	1	0	0	1	0
## 3977	60	33	42	4	2	0	1	0
## 3978	54	27	51	3	1	0	1	0
## 3979	43	18	19	2	0	0	1	0
## 3980	38	14	90	2	0	1	0	0
## 3981	46	22	89	4	1	0	1	0
## 3982	64	39	22	3	0	1	0	0
## 3983	24	0	119	1	1	1	0	0
## 3984	39	13	93	4	3	0	0	1
## 3985	34	8	18	4	0	1	0	0
## 3986	65	40	32	1	1	0	0	1
## 3987	38	14	182	3	2	0	0	1
## 3988	62	36	19	2	0	0	0	1
## 3989	59	35	85	1	3	0	0	1
## 3990	49	25	90	4	1	0	1	0
## 3991	57	32	59	2	3	1	0	0
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## 3993	47	22	95	2	3	0	1	0
## 3994	30	6	13	3	0	0	0	1
## 3995	42	18	88	4	0	1	0	0
## 3996	53	28	34	2	0	0	0	1
## 3997	50	24	11	4	0	0	0	1
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## 4001	62	37	93	3	3	0	0	1
## 4002	61	35	81	4	1	0	1	0
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## 4004	47	21	39	3	0	0	1	0
## 4005	65	39	22	3	0	0	1	0
## 4006	56	32	32	2	0	1	0	0
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## 4008	31	7	35	2	1	0	1	0
## 4009	61	31	154	3	7	0	0	1
## 4010	42	18	189	2	7	1	0	0
## 4011	44	19	40	4	1	0	0	1
## 4012	47	21	88	2	1	0	1	0
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## 4014	62	38	23	2	0	0	0	1
## 4015	56	32	23	4	0	1	0	0
## 4016	25	-1	139	2	2	1	0	0
## 4017	53	28	173	4	2	1	0	0
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## 4019	59	35	161	1	2	1	0	0
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## 4021	58	32	191	4	5	0	0	1
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## 4023	35	5	81	4	4	0	0	1
## 4024	51	25	175	3	0	1	0	0
## 4025	41	15	82	3	0	1	0	0
## 4026	51	27	53	1	1	0	0	1
## 4027	27	1	142	3	5	1	0	0
## 4028	46	21	42	4	1	0	0	1
## 4029	46	20	64	4	2	1	0	0
## 4030	31	5	90	2	1	1	0	0
## 4031	58	32	44	1	0	0	1	0
## 4032	42	18	29	1	0	0	0	1
## 4033	59	35	93	2	1	1	0	0
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## 4035	35	11	82	2	1	0	1	0
## 4036	34	9	180	2	6	0	0	1
## 4037	46	21	13	2	0	0	0	1
## 4038	52	28	72	1	0	1	0	0
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## 4040	34	9	104	1	4	1	0	0
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## 4042	45	19	40	1	0	1	0	0
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## 4046	57	31	38	4	0	0	1	0
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## 4048	43	17	82	1	5	1	0	0
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## 4050	54	28	82	4	2	0	0	1
## 4051	53	26	14	2	1	0	1	0
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## 4053	43	19	54	2	1	1	0	0
## 4054	35	11	90	2	0	1	0	0
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## 4057	51	25	113	2	6	1	0	0
## 4058	57	32	38	2	2	0	0	1
## 4059	39	15	65	1	1	0	0	1
## 4060	53	27	39	4	1	0	0	1
## 4061	31	6	174	2	6	1	0	0
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## 4063	38	14	43	2	1	1	0	0
## 4064	47	21	24	2	0	0	0	1
## 4065	63	39	50	1	0	0	1	0
## 4066	44	19	68	1	3	0	0	1
## 4067	61	37	61	3	2	0	0	1
## 4068	52	28	21	4	0	0	1	0
## 4069	59	34	21	2	0	0	1	0
## 4070	56	32	31	4	1	1	0	0
## 4071	58	33	70	4	0	1	0	0
## 4072	30	6	25	3	1	0	1	0
## 4073	42	17	78	1	1	0	0	1
## 4074	51	27	19	1	0	1	0	0

## 4075	60	35	23	1	0	0	0	1
## 4076	30	4	40	4	0	1	0	0
## 4077	49	23	22	1	0	0	0	1
## 4078	26	0	71	4	1	0	1	0
## 4079	36	12	58	1	3	0	1	0
## 4080	65	40	75	3	2	1	0	0
## 4081	27	0	40	1	2	0	1	0
## 4082	60	35	155	1	1	0	0	1
## 4083	32	6	83	4	2	0	1	0
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## 4085	60	36	59	1	0	0	1	0
## 4086	28	2	53	3	2	0	1	0
## 4087	50	26	11	4	0	1	0	0
## 4088	52	28	179	4	4	0	0	1
## 4089	29	-1	71	2	1	0	0	1
## 4090	30	4	85	4	2	0	0	1
## 4091	42	18	49	3	2	0	0	1
## 4092	32	6	122	2	1	1	0	0
## 4093	40	15	171	2	3	1	0	0
## 4094	49	24	138	2	2	0	1	0
## 4095	53	23	8	4	0	0	0	1
## 4096	42	17	59	4	0	1	0	0
## 4097	38	14	49	3	2	1	0	0
## 4098	60	34	92	2	2	1	0	0
## 4099	27	3	75	4	0	1	0	0
## 4100	61	35	60	1	2	0	1	0
## 4101	27	2	41	2	1	0	1	0
## 4102	45	21	40	3	0	0	1	0
## 4103	41	16	81	2	0	1	0	0
## 4104	44	20	52	1	0	0	0	1
## 4105	38	14	25	4	1	1	0	0
## 4106	39	15	139	1	3	1	0	0
## 4107	48	22	54	1	1	0	1	0
## 4108	47	22	81	1	2	1	0	0
## 4109	64	39	73	3	2	1	0	0
## 4110	27	0	30	4	1	0	0	1
## 4111	66	41	59	3	2	1	0	0
## 4112	43	17	21	3	1	1	0	0
## 4113	34	9	65	3	0	0	1	0
## 4114	28	2	41	3	1	0	1	0
## 4115	52	28	52	4	0	0	0	1
## 4116	45	20	84	4	1	0	1	0
## 4117	24	-2	135	2	7	1	0	0
## 4118	39	14	18	4	0	0	0	1
## 4119	40	16	34	1	0	1	0	0
## 4120	30	5	85	4	1	0	0	1
## 4121	49	23	23	1	1	0	0	1
## 4122	53	27	65	4	2	0	1	0
## 4123	56	30	195	1	2	1	0	0
## 4124	50	24	40	4	2	1	0	0
## 4125	53	29	141	2	0	0	0	1
## 4126	60	34	95	2	0	0	1	0
## 4127	58	33	23	3	1	0	1	0
## 4128	43	19	82	2	1	0	1	0

## 4129	46	21	53	4	1	0	0	1
## 4130	29	3	10	4	0	1	0	0
## 4131	56	30	75	1	1	0	1	0
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## 4133	61	36	133	1	2	1	0	0
## 4134	41	17	129	1	3	1	0	0
## 4135	35	11	85	4	0	0	1	0
## 4136	48	23	168	2	2	1	0	0
## 4137	43	19	83	4	2	0	0	1
## 4138	37	12	52	2	1	0	1	0
## 4139	47	22	114	1	0	1	0	0
## 4140	29	3	81	1	2	0	0	1
## 4141	63	38	32	1	1	0	1	0
## 4142	43	19	63	3	2	0	0	1
## 4143	57	32	70	3	1	0	0	1
## 4144	55	31	20	2	0	1	0	0
## 4145	47	23	138	2	3	1	0	0
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## 4148	59	35	180	2	6	0	1	0
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## 4150	41	15	53	1	0	0	0	1
## 4151	46	20	72	2	1	0	1	0
## 4152	44	18	123	3	5	1	0	0
## 4153	44	18	91	2	0	0	0	1
## 4154	50	26	148	2	6	1	0	0
## 4155	51	25	163	2	1	0	0	1
## 4156	55	30	28	4	0	0	0	1
## 4157	37	12	193	1	8	1	0	0
## 4158	34	10	22	3	0	0	0	1
## 4159	59	34	74	4	0	1	0	0
## 4160	45	20	70	4	1	0	0	1
## 4161	30	4	11	1	0	0	1	0
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## 4163	61	37	41	1	0	1	0	0
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## 4166	63	38	135	2	3	0	0	1
## 4167	66	40	30	2	0	0	0	1
## 4168	48	24	144	4	3	0	1	0
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## 4171	31	7	44	1	1	1	0	0
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## 4173	67	42	75	4	0	0	1	0
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## 4176	42	17	154	3	4	1	0	0
## 4177	44	18	75	1	0	0	0	1
## 4178	47	23	75	1	2	0	1	0
## 4179	59	35	88	2	1	1	0	0
## 4180	29	3	91	1	3	0	0	1
## 4181	36	6	11	1	0	0	0	1
## 4182	47	22	22	1	0	0	0	1

## 4183	55	29	49	2	0	0	0	1
## 4184	41	17	140	1	3	1	0	0
## 4185	51	25	99	2	2	0	1	0
## 4186	26	2	82	2	2	1	0	0
## 4187	33	9	10	4	1	1	0	0
## 4188	30	5	109	4	2	0	1	0
## 4189	30	4	45	4	1	0	0	1
## 4190	45	19	93	2	1	0	1	0
## 4191	40	16	89	3	3	0	1	0
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## 4193	50	26	21	1	0	1	0	0
## 4194	62	37	31	3	0	1	0	0
## 4195	63	37	31	1	0	0	0	1
## 4196	43	19	52	4	2	0	1	0
## 4197	49	25	13	1	0	0	0	1
## 4198	51	25	21	2	0	0	0	1
## 4199	61	36	50	4	1	1	0	0
## 4200	43	19	81	4	0	0	0	1
## 4201	43	19	74	4	1	1	0	0
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## 4206	61	36	139	2	3	1	0	0
## 4207	48	23	29	1	1	0	1	0
## 4208	37	11	51	3	2	1	0	0
## 4209	56	32	58	1	1	0	0	1
## 4210	35	9	21	2	1	0	0	1
## 4211	35	8	43	2	1	0	1	0
## 4212	40	16	104	2	1	0	1	0
## 4213	50	23	9	1	0	0	1	0
## 4214	49	25	39	3	1	0	1	0
## 4215	46	22	89	1	2	1	0	0
## 4216	64	40	21	2	0	0	0	1
## 4217	60	35	173	3	3	0	0	1
## 4218	45	21	29	1	0	0	0	1
## 4219	52	27	43	4	0	0	1	0
## 4220	58	34	30	3	0	0	1	0
## 4221	54	30	39	4	0	0	0	1
## 4222	48	22	83	2	0	0	0	1
## 4223	51	25	58	3	0	0	1	0
## 4224	53	26	8	1	0	0	1	0
## 4225	57	27	39	3	1	0	0	1
## 4226	43	18	204	2	8	1	0	0
## 4227	37	13	45	1	1	1	0	0
## 4228	32	7	111	1	3	1	0	0
## 4229	34	10	83	2	2	0	1	0
## 4230	54	24	83	1	3	0	0	1
## 4231	62	36	115	2	2	1	0	0
## 4232	56	32	60	1	1	0	0	1
## 4233	39	15	53	1	1	1	0	0
## 4234	32	7	134	2	3	1	0	0
## 4235	50	24	91	1	0	0	0	1
## 4236	27	1	91	2	0	1	0	0



## 4237	37	12	128	2	3	1	0	0
## 4238	60	34	78	3	4	1	0	0
## 4239	43	19	161	2	7	1	0	0
## 4240	62	36	60	3	2	0	0	1
## 4241	39	14	161	1	4	1	0	0
## 4242	34	9	40	4	2	0	1	0
## 4243	46	21	68	1	0	0	1	0
## 4244	46	22	74	3	0	1	0	0
## 4245	51	26	55	3	2	0	1	0
## 4246	44	20	145	1	3	1	0	0
## 4247	60	35	24	1	1	0	1	0
## 4248	65	39	10	1	0	0	1	0
## 4249	58	33	138	2	3	1	0	0
## 4250	37	12	63	4	2	0	0	1
## 4251	52	28	54	4	0	0	0	1
## 4252	42	16	62	3	0	0	0	1
## 4253	54	29	81	1	0	0	0	1
## 4254	54	28	61	3	3	0	1	0
## 4255	51	27	68	1	1	0	0	1
## 4256	59	35	78	2	2	1	0	0
## 4257	41	17	165	2	7	1	0	0
## 4258	43	17	48	3	2	0	1	0
## 4259	52	26	155	3	7	0	1	0
## 4260	52	26	158	2	3	0	0	1
## 4261	57	31	52	1	1	1	0	0
## 4262	53	28	18	4	0	1	0	0
## 4263	58	33	42	4	1	1	0	0
## 4264	59	33	18	2	0	0	0	1
## 4265	57	31	40	2	0	1	0	0
## 4266	27	2	44	4	0	0	1	0
## 4267	42	16	11	1	0	1	0	0
## 4268	52	26	194	2	5	0	1	0
## 4269	49	23	108	2	2	0	1	0
## 4270	47	23	12	4	0	0	1	0
## 4271	45	19	19	3	1	1	0	0
## 4272	25	1	150	1	6	1	0	0
## 4273	47	22	89	4	1	0	0	1
## 4274	44	19	83	2	3	0	0	1
## 4275	30	3	79	4	2	0	1	0
## 4276	63	38	102	4	3	0	1	0
## 4277	50	24	155	1	7	1	0	0
## 4278	40	16	138	1	3	1	0	0
## 4279	56	31	51	3	1	1	0	0
## 4280	39	15	80	2	1	0	1	0
## 4281	42	18	135	2	3	1	0	0
## 4282	28	1	34	4	1	0	1	0
## 4283	26	0	195	3	6	0	0	1
## 4284	58	32	62	3	2	0	0	1
## 4285	38	13	173	2	3	1	0	0
## 4286	23	-3	149	2	7	1	0	0
## 4287	53	29	20	1	0	1	0	0
## 4288	54	28	42	4	2	1	0	0
## 4289	42	17	28	1	0	0	0	1
## 4290	54	28	95	1	1	0	1	0

## 4291	66	42	95	2	0	0	0	1
## 4292	46	21	34	1	0	1	0	0
## 4293	63	37	191	2	4	0	0	1
## 4294	63	38	41	2	1	1	0	0
## 4295	58	34	150	1	7	1	0	0
## 4296	65	41	91	2	0	0	0	1
## 4297	35	9	84	4	2	0	1	0
## 4298	33	9	73	4	3	1	0	0
## 4299	43	19	122	1	0	1	0	0
## 4300	30	5	73	1	2	0	1	0
## 4301	61	37	20	2	0	0	0	1
## 4302	49	24	130	4	1	1	0	0
## 4303	52	27	85	3	3	0	0	1
## 4304	45	21	134	2	3	1	0	0
## 4305	64	39	98	3	1	0	1	0
## 4306	26	1	54	2	1	0	0	1
## 4307	35	11	41	3	2	1	0	0
## 4308	45	19	128	4	6	0	0	1
## 4309	44	20	132	3	2	1	0	0
## 4310	34	8	188	1	2	0	0	1
## 4311	65	41	170	4	6	0	1	0
## 4312	32	8	14	3	0	0	0	1
## 4313	41	15	93	1	2	0	0	1
## 4314	52	28	79	1	2	0	1	0
## 4315	35	9	79	4	2	0	1	0
## 4316	51	26	62	4	1	0	0	1
## 4317	30	6	95	2	0	1	0	0
## 4318	58	33	60	4	1	0	0	1
## 4319	49	23	75	1	1	0	1	0
## 4320	63	38	85	4	0	0	1	0
## 4321	40	15	143	1	4	1	0	0
## 4322	27	0	34	1	2	0	1	0
## 4323	38	14	44	2	1	1	0	0
## 4324	52	28	31	4	0	0	1	0
## 4325	49	24	13	4	0	1	0	0
## 4326	59	35	52	4	1	1	0	0
## 4327	32	8	42	1	0	0	0	1
## 4328	30	4	102	4	2	0	0	1
## 4329	64	38	143	2	6	0	0	1
## 4330	59	33	10	4	0	0	0	1
## 4331	62	37	44	1	1	0	0	1
## 4332	61	37	158	2	6	1	0	0
## 4333	53	26	12	2	1	0	1	0
## 4334	51	26	59	1	1	1	0	0
## 4335	55	29	92	1	1	0	1	0
## 4336	36	10	82	2	2	1	0	0
## 4337	44	19	44	4	0	0	1	0
## 4338	26	2	182	2	3	0	1	0
## 4339	54	30	121	2	0	1	0	0
## 4340	35	11	38	1	1	1	0	0
## 4341	34	10	92	2	2	1	0	0
## 4342	28	3	53	2	1	0	0	1
## 4343	32	7	45	3	2	1	0	0
## 4344	38	14	63	1	3	0	1	0

## 4345	53	28	181	1	8	1	0	0
## 4346	26	1	184	2	4	0	0	1
## 4347	45	21	33	3	0	1	0	0
## 4348	58	33	22	3	0	1	0	0
## 4349	59	33	99	2	2	1	0	0
## 4350	45	18	44	3	1	0	1	0
## 4351	64	39	101	4	3	0	1	0
## 4352	30	3	32	1	2	0	1	0
## 4353	40	16	59	4	2	1	0	0
## 4354	61	36	25	2	0	0	1	0
## 4355	40	16	140	3	5	1	0	0
## 4356	40	10	29	1	0	0	0	1
## 4357	43	19	35	1	0	1	0	0
## 4358	39	14	141	4	6	1	0	0
## 4359	35	11	75	4	2	0	0	1
## 4360	38	12	58	2	2	1	0	0
## 4361	67	43	41	2	1	1	0	0
## 4362	55	30	42	2	2	0	1	0
## 4363	28	2	55	3	1	0	1	0
## 4364	30	4	18	4	0	0	1	0
## 4365	59	35	75	4	2	0	0	1
## 4366	26	2	85	2	2	1	0	0
## 4367	52	28	43	4	1	0	1	0
## 4368	40	15	149	2	3	1	0	0
## 4369	31	7	25	2	1	0	1	0
## 4370	50	25	19	4	0	0	1	0
## 4371	27	3	18	1	0	0	0	1
## 4372	64	39	13	4	0	0	1	0
## 4373	34	10	41	1	2	0	1	0
## 4374	30	6	139	1	4	1	0	0
## 4375	39	15	62	3	2	1	0	0
## 4376	34	10	51	3	2	1	0	0
## 4377	40	15	71	3	3	1	0	0
## 4378	33	8	145	1	2	0	0	1
## 4379	38	12	45	4	1	0	1	0
## 4380	42	17	53	4	1	0	0	1
## 4381	37	13	64	1	1	0	0	1
## 4382	33	8	39	4	0	1	0	0
## 4383	60	34	38	3	2	0	0	1
## 4384	28	4	85	3	2	1	0	0
## 4385	45	20	61	3	2	0	1	0
## 4386	56	32	23	1	1	0	0	1
## 4387	53	27	122	1	2	1	0	0
## 4388	37	12	72	4	0	0	0	1
## 4389	47	21	123	1	7	1	0	0
## 4390	58	32	40	1	1	1	0	0
## 4391	52	26	62	4	2	0	1	0
## 4392	46	22	113	2	3	1	0	0
## 4393	52	27	81	4	3	0	1	0
## 4394	24	0	59	4	1	1	0	0
## 4395	57	31	25	2	0	0	1	0
## 4396	66	41	25	4	0	0	1	0
## 4397	30	5	14	4	0	0	0	1
## 4398	48	23	19	1	0	1	0	0

## 4399	63	37	61	1	2	0	0	1
## 4400	48	23	21	1	0	1	0	0
## 4401	34	10	44	1	1	1	0	0
## 4402	60	35	42	3	1	1	0	0
## 4403	55	25	52	1	1	0	0	1
## 4404	50	24	112	1	0	1	0	0
## 4405	29	5	34	1	0	0	0	1
## 4406	61	35	83	2	1	0	0	1
## 4407	50	25	24	4	0	0	1	0
## 4408	37	13	71	2	1	0	1	0
## 4409	64	40	181	2	2	0	1	0
## 4410	43	19	75	4	0	0	0	1
## 4411	39	14	153	2	3	1	0	0
## 4412	23	-2	75	2	1	0	1	0
## 4413	34	10	19	4	0	0	1	0
## 4414	29	2	31	4	1	0	1	0
## 4415	33	8	178	3	8	1	0	0
## 4416	60	35	65	2	1	1	0	0
## 4417	49	25	8	1	0	1	0	0
## 4418	54	28	92	2	1	1	0	0
## 4419	59	34	145	4	1	1	0	0
## 4420	42	17	85	1	3	0	0	1
## 4421	62	38	149	1	4	1	0	0
## 4422	63	38	9	4	0	0	1	0
## 4423	57	31	164	2	3	0	0	1
## 4424	61	36	40	3	0	0	1	0
## 4425	35	10	54	1	2	0	0	1
## 4426	26	0	164	2	4	0	0	1
## 4427	33	8	140	1	4	1	0	0
## 4428	31	7	18	1	0	0	0	1
## 4429	51	27	12	4	1	1	0	0
## 4430	55	29	140	2	2	1	0	0
## 4431	38	12	24	2	0	0	0	1
## 4432	38	12	60	2	1	1	0	0
## 4433	53	27	50	2	0	0	0	1
## 4434	62	38	44	1	1	0	1	0
## 4435	35	9	51	4	2	0	1	0
## 4436	46	21	34	2	1	1	0	0
## 4437	60	35	33	2	0	0	1	0
## 4438	63	38	63	2	1	1	0	0
## 4439	43	18	22	2	0	0	0	1
## 4440	33	7	104	2	3	0	0	1
## 4441	43	19	75	3	0	0	0	1
## 4442	62	36	75	2	1	0	0	1
## 4443	48	23	62	4	3	0	0	1
## 4444	38	14	48	1	1	1	0	0
## 4445	36	10	73	2	2	1	0	0
## 4446	49	25	135	2	1	1	0	0
## 4447	61	35	61	3	2	0	0	1
## 4448	49	22	78	3	2	0	1	0
## 4449	59	34	40	3	0	0	0	1
## 4450	30	6	44	1	0	0	0	1
## 4451	44	20	45	2	2	1	0	0
## 4452	67	41	18	2	0	1	0	0

## 4453	59	35	53	4	2	0	0	1
## 4454	37	11	11	3	0	0	1	0
## 4455	50	24	38	3	0	0	1	0
## 4456	56	31	28	1	1	0	1	0
## 4457	29	3	35	2	0	1	0	0
## 4458	55	29	81	3	1	0	1	0
## 4459	48	22	90	2	0	0	0	1
## 4460	32	8	115	1	4	1	0	0
## 4461	47	22	78	1	0	0	1	0
## 4462	46	21	30	4	1	0	0	1
## 4463	33	7	39	4	0	1	0	0
## 4464	39	13	69	3	0	1	0	0
## 4465	60	35	29	3	0	1	0	0
## 4466	39	15	54	4	2	0	1	0
## 4467	34	10	60	3	2	1	0	0
## 4468	55	30	99	1	0	0	0	1
## 4469	67	42	51	3	2	1	0	0
## 4470	40	14	53	3	0	0	0	1
## 4471	44	20	111	2	5	0	1	0
## 4472	56	30	79	3	0	1	0	0
## 4473	50	25	90	1	2	0	1	0
## 4474	31	5	18	2	0	1	0	0
## 4475	66	41	73	3	2	1	0	0
## 4476	43	18	59	3	0	0	0	1
## 4477	58	32	40	2	0	1	0	0
## 4478	33	9	41	1	1	0	1	0
## 4479	33	9	53	1	2	0	0	1
## 4480	32	8	128	2	4	1	0	0
## 4481	55	30	145	2	6	0	0	1
## 4482	25	-2	35	4	1	0	0	1
## 4483	40	14	28	2	0	0	0	1
## 4484	54	28	155	1	1	1	0	0
## 4485	36	11	195	2	3	1	0	0
## 4486	35	9	50	4	2	0	1	0
## 4487	44	19	48	3	0	0	0	1
## 4488	38	14	81	1	3	0	1	0
## 4489	30	4	50	1	1	1	0	0
## 4490	39	13	21	3	0	0	1	0
## 4491	35	9	142	2	0	1	0	0
## 4492	41	16	64	4	0	1	0	0
## 4493	56	26	91	1	3	0	0	1
## 4494	52	28	74	1	2	0	1	0
## 4495	29	4	182	1	3	0	0	1
## 4496	38	14	82	4	2	1	0	0
## 4497	51	25	45	4	2	1	0	0
## 4498	45	21	85	2	3	1	0	0
## 4499	51	26	133	1	0	1	0	0
## 4500	53	26	22	1	0	0	1	0
## 4501	50	26	24	4	0	0	1	0
## 4502	59	33	38	3	2	0	0	1
## 4503	57	32	80	2	0	0	0	1
## 4504	45	21	33	3	0	1	0	0
## 4505	27	1	41	4	1	0	0	1
## 4506	40	15	90	4	1	0	1	0

## 4507	39	13	89	1	2	0	0	1
## 4508	26	1	8	2	0	0	0	1
## 4509	27	2	85	1	1	1	0	0
## 4510	55	30	53	3	1	1	0	0
## 4511	64	39	20	3	0	0	0	1
## 4512	41	17	9	1	1	1	0	0
## 4513	46	22	25	4	0	1	0	0
## 4514	43	19	114	1	1	1	0	0
## 4515	24	-3	41	4	1	0	0	1
## 4516	29	3	49	4	2	0	0	1
## 4517	58	32	12	4	0	0	0	1
## 4518	45	18	50	3	2	0	1	0
## 4519	53	28	30	4	0	0	1	0
## 4520	45	21	32	4	0	1	0	0
## 4521	32	7	41	4	2	0	1	0
## 4522	56	31	25	3	0	0	1	0
## 4523	31	5	29	1	0	1	0	0
## 4524	29	4	50	4	1	0	1	0
## 4525	48	24	79	3	0	1	0	0
## 4526	36	11	110	1	3	1	0	0
## 4527	36	9	40	2	1	0	1	0
## 4528	41	16	18	1	0	0	0	1
## 4529	48	23	48	1	0	1	0	0
## 4530	27	0	40	4	1	0	0	1
## 4531	33	9	19	2	1	0	1	0
## 4532	31	7	35	1	1	1	0	0
## 4533	48	22	133	2	3	0	1	0
## 4534	59	34	19	2	0	0	1	0
## 4535	41	17	83	4	2	1	0	0
## 4536	42	18	39	3	2	0	0	1
## 4537	62	37	38	3	0	0	1	0
## 4538	62	36	63	1	2	0	0	1
## 4539	51	24	85	3	2	0	1	0
## 4540	48	24	14	4	1	1	0	0
## 4541	56	32	64	4	1	1	0	0
## 4542	62	38	124	1	3	1	0	0
## 4543	53	29	20	1	0	1	0	0
## 4544	62	38	33	3	0	0	0	1
## 4545	28	4	80	3	2	1	0	0
## 4546	61	35	35	2	0	0	0	1
## 4547	48	24	74	3	0	1	0	0
## 4548	50	25	32	2	0	0	1	0
## 4549	58	33	73	4	0	1	0	0
## 4550	53	29	41	2	0	1	0	0
## 4551	65	40	18	1	1	0	1	0
## 4552	27	0	28	4	1	0	1	0
## 4553	50	23	64	1	2	0	1	0
## 4554	50	25	44	2	0	0	1	0
## 4555	41	16	109	3	1	1	0	0
## 4556	43	19	71	3	0	0	0	1
## 4557	55	29	79	2	1	1	0	0
## 4558	33	9	30	2	1	0	1	0
## 4559	44	19	82	2	0	1	0	0
## 4560	47	20	101	3	2	0	1	0

## 4561	43	18	13	2	0	0	1	0
## 4562	59	33	59	3	1	0	0	1
## 4563	65	40	64	2	1	1	0	0
## 4564	28	2	188	2	4	1	0	0
## 4565	58	32	28	2	0	1	0	0
## 4566	33	8	120	2	4	0	0	1
## 4567	24	0	131	1	5	1	0	0
## 4568	46	20	19	3	0	0	1	0
## 4569	26	0	44	4	1	0	0	1
## 4570	47	21	49	3	2	0	1	0
## 4571	32	6	99	2	4	0	0	1
## 4572	58	28	95	1	3	0	0	1
## 4573	32	7	81	4	1	0	0	1
## 4574	46	20	73	2	0	0	0	1
## 4575	35	11	193	2	6	1	0	0
## 4576	53	27	115	2	0	0	0	1
## 4577	55	30	41	2	0	0	0	1
## 4578	63	37	80	2	1	0	0	1
## 4579	45	20	90	4	1	0	1	0
## 4580	58	32	41	1	0	1	0	0
## 4581	50	24	102	2	6	1	0	0
## 4582	37	13	59	1	1	0	0	1
## 4583	25	-1	69	3	0	0	0	1
## 4584	52	26	83	1	3	1	0	0
## 4585	26	0	49	3	2	0	1	0
## 4586	35	11	180	1	3	0	0	1
## 4587	58	32	61	3	2	0	0	1
## 4588	37	11	59	4	0	0	0	1
## 4589	35	10	85	4	2	0	0	1
## 4590	31	7	13	1	0	0	0	1
## 4591	58	34	151	3	0	0	1	0
## 4592	43	16	44	3	1	0	1	0
## 4593	43	18	53	3	0	0	0	1
## 4594	54	30	133	1	5	0	1	0
## 4595	53	27	31	3	0	0	0	1
## 4596	32	7	101	4	2	0	1	0
## 4597	37	13	61	3	2	1	0	0
## 4598	34	10	68	3	2	0	1	0
## 4599	51	26	21	4	0	1	0	0
## 4600	49	25	149	2	0	1	0	0
## 4601	54	24	75	1	1	0	0	1
## 4602	37	12	55	1	2	0	0	1
## 4603	57	32	81	2	3	1	0	0
## 4604	37	12	179	1	8	1	0	0
## 4605	32	7	81	2	3	0	1	0
## 4606	48	22	42	1	1	0	1	0
## 4607	44	20	199	2	6	1	0	0
## 4608	50	23	18	1	0	0	1	0
## 4609	44	19	28	1	0	0	0	1
## 4610	54	28	80	4	2	0	0	1
## 4611	37	13	79	1	3	0	1	0
## 4612	34	7	52	2	1	0	1	0
## 4613	32	6	18	2	0	0	1	0
## 4614	63	38	52	4	1	1	0	0

## 4615	56	30	15	4	0	0	0	1
## 4616	37	12	84	4	0	0	0	1
## 4617	66	41	114	1	0	0	0	1
## 4618	38	13	41	3	0	0	0	1
## 4619	35	9	29	3	0	1	0	0
## 4620	61	36	23	1	0	1	0	0
## 4621	52	26	84	1	2	1	0	0
## 4622	57	32	60	3	1	1	0	0
## 4623	47	20	13	3	0	0	1	0
## 4624	50	25	45	2	0	0	0	1
## 4625	36	11	83	1	2	1	0	0
## 4626	45	21	102	4	4	0	1	0
## 4627	58	34	58	4	2	0	0	1
## 4628	27	1	134	1	1	0	1	0
## 4629	27	1	130	3	2	0	1	0
## 4630	48	24	148	2	3	1	0	0
## 4631	46	21	92	1	0	0	1	0
## 4632	32	8	142	4	6	0	1	0
## 4633	54	29	62	4	0	1	0	0
## 4634	31	5	50	1	1	1	0	0
## 4635	42	17	29	1	0	0	0	1
## 4636	30	5	85	2	2	1	0	0
## 4637	41	16	78	4	0	1	0	0
## 4638	44	19	85	4	1	0	0	1
## 4639	37	13	89	2	1	0	1	0
## 4640	51	25	33	3	0	0	0	1
## 4641	30	6	42	1	2	0	0	1
## 4642	36	11	31	4	1	1	0	0
## 4643	65	40	143	4	6	0	1	0
## 4644	33	7	35	4	0	1	0	0
## 4645	58	34	22	1	0	0	1	0
## 4646	34	10	45	1	1	1	0	0
## 4647	38	13	119	2	3	1	0	0
## 4648	59	35	43	4	1	1	0	0
## 4649	37	11	75	3	0	0	1	0
## 4650	59	35	121	1	4	1	0	0
## 4651	47	23	63	1	0	0	0	1
## 4652	48	24	58	2	1	1	0	0
## 4653	38	12	184	3	8	1	0	0
## 4654	34	10	155	2	6	1	0	0
## 4655	44	17	69	3	2	0	1	0
## 4656	33	7	188	2	7	0	1	0
## 4657	47	21	38	3	0	0	1	0
## 4658	41	16	9	2	0	0	1	0
## 4659	36	11	69	4	2	0	0	1
## 4660	28	4	199	1	6	1	0	0
## 4661	59	35	38	1	0	1	0	0
## 4662	43	19	129	1	5	1	0	0
## 4663	56	31	59	2	1	0	1	0
## 4664	28	3	115	1	1	1	0	0
## 4665	62	37	83	4	0	0	1	0
## 4666	40	16	65	2	3	1	0	0
## 4667	34	9	72	3	2	1	0	0
## 4668	52	28	72	1	1	0	0	1



## 4669	40	14	63	3	0	0	0	1
## 4670	27	1	64	4	1	0	1	0
## 4671	52	26	194	1	1	1	0	0
## 4672	39	14	104	1	4	0	0	1
## 4673	52	26	180	1	1	1	0	0
## 4674	50	23	18	2	1	0	1	0
## 4675	40	14	93	1	2	0	0	1
## 4676	35	11	32	1	1	1	0	0
## 4677	39	13	68	3	2	1	0	0
## 4678	25	0	38	2	1	0	0	1
## 4679	33	7	115	1	2	0	1	0
## 4680	26	0	161	2	7	1	0	0
## 4681	46	21	154	2	2	1	0	0
## 4682	27	3	68	4	0	1	0	0
## 4683	55	25	44	3	1	0	0	1
## 4684	52	28	149	2	0	1	0	0
## 4685	59	34	103	1	2	1	0	0
## 4686	63	39	41	4	1	0	1	0
## 4687	61	35	113	2	2	1	0	0
## 4688	58	34	48	4	1	0	1	0
## 4689	29	3	69	4	1	0	1	0
## 4690	51	27	43	4	1	0	1	0
## 4691	59	34	19	1	0	0	0	1
## 4692	41	17	65	3	2	0	0	1
## 4693	59	35	32	3	0	0	1	0
## 4694	52	28	20	1	0	1	0	0
## 4695	39	13	25	2	0	0	0	1
## 4696	45	19	70	1	2	1	0	0
## 4697	59	35	70	4	2	0	0	1
## 4698	49	22	103	3	2	0	1	0
## 4699	48	22	162	3	1	1	0	0
## 4700	61	36	61	2	2	1	0	0
## 4701	31	7	170	1	6	1	0	0
## 4702	42	16	49	1	2	1	0	0
## 4703	35	5	108	2	2	0	0	1
## 4704	57	27	62	3	2	0	0	1
## 4705	54	28	102	3	1	0	1	0
## 4706	61	37	141	3	0	1	0	0
## 4707	60	36	8	2	1	1	0	0
## 4708	59	35	91	2	1	1	0	0
## 4709	62	37	10	3	0	1	0	0
## 4710	26	1	35	2	1	0	1	0
## 4711	41	17	71	3	0	0	0	1
## 4712	65	40	59	3	2	1	0	0
## 4713	25	0	14	2	0	0	0	1
## 4714	25	1	122	2	0	1	0	0
## 4715	27	3	81	3	1	1	0	0
## 4716	65	39	35	1	0	0	0	1
## 4717	60	34	83	2	1	1	0	0
## 4718	29	5	121	1	1	1	0	0
## 4719	32	6	35	3	1	1	0	0
## 4720	32	8	140	4	6	0	0	1
## 4721	41	15	88	1	2	0	0	1
## 4722	52	26	70	2	1	1	0	0

## 4723	40	16	63	1	1	0	0	1
## 4724	39	15	125	1	3	1	0	0
## 4725	34	8	21	4	1	1	0	0
## 4726	34	8	75	2	1	1	0	0
## 4727	34	10	38	1	1	1	0	0
## 4728	41	17	58	4	2	1	0	0
## 4729	59	35	31	3	0	0	1	0
## 4730	40	14	18	4	1	0	0	1
## 4731	52	27	29	1	1	0	1	0
## 4732	37	11	29	2	1	0	0	1
## 4733	39	13	69	3	0	1	0	0
## 4734	49	23	121	1	4	1	0	0
## 4735	63	39	64	1	1	0	0	1
## 4736	34	9	84	4	2	0	1	0
## 4737	51	25	65	3	0	0	1	0
## 4738	61	36	85	3	1	0	1	0
## 4739	56	32	44	3	1	1	0	0
## 4740	62	38	174	1	4	1	0	0
## 4741	56	30	178	1	2	1	0	0
## 4742	58	32	55	4	2	1	0	0
## 4743	58	33	25	4	0	0	1	0
## 4744	50	26	21	1	0	1	0	0
## 4745	44	20	72	3	0	0	0	1
## 4746	49	23	129	1	0	1	0	0
## 4747	31	7	18	1	0	0	0	1
## 4748	49	25	91	4	1	0	1	0
## 4749	43	18	38	1	0	0	0	1
## 4750	31	5	21	3	1	1	0	0
## 4751	66	41	38	1	1	0	0	1
## 4752	41	17	154	1	1	1	0	0
## 4753	39	14	178	1	4	1	0	0
## 4754	46	21	85	1	0	0	1	0
## 4755	57	33	93	2	1	1	0	0
## 4756	59	35	151	2	6	1	0	0
## 4757	30	4	78	4	2	0	1	0
## 4758	26	2	135	1	1	1	0	0
## 4759	46	21	40	1	0	1	0	0
## 4760	66	41	80	4	0	0	1	0
## 4761	50	25	18	2	0	1	0	0
## 4762	61	35	74	2	0	0	1	0
## 4763	37	7	94	4	1	0	0	1
## 4764	51	25	173	1	0	0	1	0
## 4765	56	32	88	4	1	0	1	0
## 4766	58	34	82	1	4	1	0	0
## 4767	41	15	54	3	2	1	0	0
## 4768	35	9	45	3	0	1	0	0
## 4769	38	14	39	1	2	0	1	0
## 4770	26	2	20	4	1	1	0	0
## 4771	35	5	93	4	1	0	0	1
## 4772	36	11	85	3	1	0	0	1
## 4773	26	2	95	3	0	1	0	0
## 4774	53	28	48	2	1	0	1	0
## 4775	56	32	22	1	1	0	0	1
## 4776	44	14	33	1	0	0	0	1

## 4777	47	23	40	2	2	0	0	1
## 4778	32	8	30	4	0	0	1	0
## 4779	52	27	22	4	0	1	0	0
## 4780	39	14	20	1	0	0	0	1
## 4781	47	20	49	3	2	0	1	0
## 4782	35	9	25	3	0	0	1	0
## 4783	26	0	150	2	7	1	0	0
## 4784	43	19	32	4	0	1	0	0
## 4785	52	28	9	2	0	1	0	0
## 4786	30	5	23	2	0	0	0	1
## 4787	36	12	18	4	1	1	0	0
## 4788	48	22	42	3	0	0	1	0
## 4789	36	10	39	1	2	1	0	0
## 4790	58	34	84	4	1	0	1	0
## 4791	35	11	101	3	3	0	0	1
## 4792	59	35	43	4	0	1	0	0
## 4793	36	10	28	4	1	1	0	0
## 4794	45	21	59	2	2	1	0	0
## 4795	56	30	29	4	1	0	0	1
## 4796	46	21	39	2	1	1	0	0
## 4797	26	0	42	4	1	0	0	1
## 4798	37	11	24	4	1	1	0	0
## 4799	44	20	62	3	0	0	0	1
## 4800	44	20	33	4	0	1	0	0
## 4801	33	7	73	1	2	1	0	0
## 4802	34	10	88	2	0	1	0	0
## 4803	35	11	58	3	2	1	0	0
## 4804	48	24	48	2	2	0	0	1
## 4805	58	32	40	1	2	0	1	0
## 4806	30	6	160	1	4	1	0	0
## 4807	62	37	39	3	1	1	0	0
## 4808	40	14	53	1	2	1	0	0
## 4809	42	16	32	3	0	0	1	0
## 4810	43	19	32	3	0	0	1	0
## 4811	58	34	11	2	0	1	0	0
## 4812	36	12	123	2	3	0	0	1
## 4813	29	4	184	4	2	0	0	1
## 4814	49	23	60	3	0	0	1	0
## 4815	60	34	41	3	2	0	0	1
## 4816	58	32	99	2	1	1	0	0
## 4817	50	24	83	3	3	0	1	0
## 4818	46	22	134	2	3	1	0	0
## 4819	45	19	85	2	1	0	1	0
## 4820	32	6	41	3	0	1	0	0
## 4821	42	17	44	1	0	0	0	1
## 4822	30	6	62	1	0	1	0	0
## 4823	60	36	149	1	4	1	0	0
## 4824	46	21	115	2	4	0	0	1
## 4825	32	6	25	3	1	1	0	0
## 4826	56	32	84	2	1	1	0	0
## 4827	56	31	81	2	0	0	0	1
## 4828	30	6	181	1	4	1	0	0
## 4829	52	28	62	1	1	0	0	1
## 4830	31	7	11	1	0	0	0	1

## 4831	37	12	60	4	2	0	0	1
## 4832	30	6	42	1	2	0	0	1
## 4833	29	4	83	4	2	0	1	0
## 4834	49	24	109	1	0	1	0	0
## 4835	49	23	70	1	0	1	0	0
## 4836	65	39	25	2	0	1	0	0
## 4837	54	24	72	3	1	0	0	1
## 4838	36	10	183	2	0	1	0	0
## 4839	56	30	44	4	2	1	0	0
## 4840	34	8	52	4	0	1	0	0
## 4841	33	9	18	4	0	0	1	0
## 4842	59	35	40	4	0	1	0	0
## 4843	49	23	174	3	4	0	1	0
## 4844	61	34	41	4	2	0	1	0
## 4845	31	6	81	2	2	1	0	0
## 4846	45	21	128	1	4	1	0	0
## 4847	35	10	135	3	4	0	1	0
## 4848	37	11	65	2	2	0	1	0
## 4849	58	32	145	2	0	1	0	0
## 4850	49	25	65	2	1	0	0	1
## 4851	63	39	119	1	2	1	0	0
## 4852	55	31	124	2	0	1	0	0
## 4853	38	12	33	4	1	0	0	1
## 4854	45	19	41	1	0	1	0	0
## 4855	44	20	105	1	4	1	0	0
## 4856	58	32	130	2	2	1	0	0
## 4857	56	31	80	4	1	0	0	1
## 4858	37	13	115	1	0	0	1	0
## 4859	50	24	62	2	0	0	0	1
## 4860	34	8	165	1	7	0	0	1
## 4861	51	25	34	3	0	0	1	0
## 4862	49	24	18	1	0	0	0	1
## 4863	33	7	44	1	0	1	0	0
## 4864	61	35	25	1	0	0	1	0
## 4865	41	16	52	2	2	0	0	1
## 4866	50	24	133	4	1	0	1	0
## 4867	41	17	71	2	3	1	0	0
## 4868	38	12	61	4	0	0	0	1
## 4869	51	27	62	2	3	0	0	1
## 4870	63	39	33	3	0	0	0	1
## 4871	55	30	28	2	2	0	1	0
## 4872	46	22	53	4	1	1	0	0
## 4873	27	3	69	3	0	0	1	0
## 4874	59	35	165	2	6	1	0	0
## 4875	26	0	75	3	0	0	0	1
## 4876	61	36	54	3	1	1	0	0
## 4877	44	19	142	1	1	0	0	1
## 4878	53	29	53	4	0	0	0	1
## 4879	34	9	41	1	1	1	0	0
## 4880	40	15	43	4	1	1	0	0
## 4881	56	32	79	3	2	1	0	0
## 4882	57	32	24	2	0	0	0	1
## 4883	43	19	73	3	2	1	0	0
## 4884	38	13	129	3	4	0	0	1

## 4885	60	34	50	3	2	0	0	1
## 4886	54	30	28	2	0	1	0	0
## 4887	51	26	64	4	1	0	0	1
## 4888	41	15	49	3	0	0	0	1
## 4889	25	1	121	1	5	1	0	0
## 4890	58	28	58	3	2	0	0	1
## 4891	61	35	51	3	1	0	0	1
## 4892	56	31	61	4	0	1	0	0
## 4893	43	19	35	1	0	0	0	1
## 4894	42	12	39	3	2	0	0	1
## 4895	48	22	74	1	1	0	0	1
## 4896	45	20	201	2	2	1	0	0
## 4897	40	15	81	2	0	1	0	0
## 4898	43	18	44	1	2	1	0	0
## 4899	52	26	19	1	1	0	0	1
## 4900	54	29	85	4	1	0	0	1
## 4901	26	1	74	4	2	1	0	0
## 4902	26	0	54	3	1	0	1	0
## 4903	33	8	58	2	2	1	0	0
## 4904	40	15	18	2	0	0	1	0
## 4905	64	40	88	1	3	1	0	0
## 4906	62	37	19	3	0	1	0	0
## 4907	54	28	49	1	2	0	0	1
## 4908	34	9	101	3	0	0	1	0
## 4909	40	16	138	2	6	1	0	0
## 4910	41	16	25	2	0	0	1	0
## 4911	48	22	120	1	0	1	0	0
## 4912	46	22	153	2	7	1	0	0
## 4913	51	26	28	1	1	0	1	0
## 4914	30	4	110	1	2	0	0	1
## 4915	65	39	94	1	2	1	0	0
## 4916	49	24	48	1	1	0	1	0
## 4917	29	5	123	2	0	1	0	0
## 4918	36	10	33	4	1	0	1	0
## 4919	50	25	42	2	0	0	1	0
## 4920	41	16	68	3	3	1	0	0
## 4921	42	16	28	4	1	0	0	1
## 4922	37	11	42	3	0	0	0	1
## 4923	31	5	28	1	0	1	0	0
## 4924	40	15	73	3	3	1	0	0
## 4925	36	12	89	2	2	1	0	0
## 4926	64	39	82	4	3	0	1	0
## 4927	37	13	83	2	1	0	1	0
## 4928	43	19	121	1	0	0	1	0
## 4929	57	33	28	1	1	0	0	1
## 4930	62	36	39	2	0	1	0	0
## 4931	63	38	110	3	1	0	1	0
## 4932	57	27	55	1	1	0	0	1
## 4933	59	35	111	1	4	1	0	0
## 4934	47	23	94	1	4	1	0	0
## 4935	26	0	85	2	1	0	0	1
## 4936	59	33	81	2	1	1	0	0
## 4937	45	20	94	3	0	0	0	1
## 4938	33	8	162	1	8	1	0	0

## 4939	61	35	80	4	1	0	0	1
## 4940	54	29	70	3	2	0	1	0
## 4941	46	22	19	3	0	1	0	0
## 4942	28	4	112	2	1	0	1	0
## 4943	52	26	109	1	2	1	0	0
## 4944	26	0	12	1	0	0	1	0
## 4945	49	24	33	3	1	0	1	0
## 4946	42	18	49	2	1	1	0	0
## 4947	51	26	42	1	1	0	1	0
## 4948	39	13	41	2	0	1	0	0
## 4949	44	20	43	1	0	1	0	0
## 4950	29	5	64	4	0	1	0	0
## 4951	47	23	19	1	1	1	0	0
## 4952	53	27	65	1	2	0	0	1
## 4953	29	3	53	4	1	0	0	1
## 4954	47	21	32	3	1	1	0	0
## 4955	45	19	22	3	1	1	0	0
## 4956	63	37	39	2	0	0	0	1
## 4957	39	13	59	4	0	0	0	1
## 4958	29	-1	50	2	1	0	0	1
## 4959	50	26	19	1	0	0	0	1
## 4960	51	27	55	1	1	0	1	0
## 4961	58	28	81	1	3	0	0	1
## 4962	39	14	108	3	1	0	0	1
## 4963	46	20	122	3	3	0	0	1
## 4964	32	6	98	2	4	0	0	1
## 4965	53	27	110	1	4	1	0	0
## 4966	29	5	33	1	1	0	1	0
## 4967	41	17	34	1	0	1	0	0
## 4968	41	16	69	1	0	0	1	0
## 4969	58	32	41	4	2	1	0	0
## 4970	45	19	60	2	0	0	0	1
## 4971	37	13	95	2	1	0	1	0
## 4972	58	28	73	1	1	0	0	1
## 4973	58	32	41	3	2	0	0	1
## 4974	31	1	68	4	4	0	0	1
## 4975	59	33	64	4	1	0	1	0
## 4976	38	11	29	4	1	0	1	0
## 4977	29	5	31	1	1	0	1	0
## 4978	40	15	54	3	0	0	0	1
## 4979	57	27	63	4	2	0	0	1
## 4980	50	26	92	1	2	0	1	0
## 4981	29	5	135	3	5	1	0	0
## 4982	34	9	195	2	3	1	0	0
## 4983	36	10	45	4	0	1	0	0
## 4984	51	26	72	1	2	1	0	0
## 4985	27	1	98	4	2	0	0	1
## 4986	48	23	30	3	1	0	1	0
## 4987	32	6	78	1	2	0	0	1
## 4988	48	23	43	3	1	0	1	0
## 4989	34	8	85	1	2	1	0	0
## 4990	24	0	38	1	1	0	0	1
## 4991	55	25	58	4	2	0	0	1
## 4992	51	25	92	1	1	0	1	0

## 4993	30	5	13	4	0	0	0	1
## 4994	45	21	218	2	6	1	0	0
## 4995	64	40	75	3	2	0	0	1
## 4996	29	3	40	1	1	0	0	1
## 4997	30	4	15	4	0	1	0	0
## 4998	63	39	24	2	0	0	0	1
## 4999	65	40	49	3	0	0	1	0
## 5000	28	4	83	3	0	1	0	0
##	Mortgage Personal.Loan Securities.Account CD.Account Online CreditCard							
## 1	0	0			1	0	0	0
## 2	0	0			1	0	0	0
## 3	0	0			0	0	0	0
## 4	0	0			0	0	0	0
## 5	0	0			0	0	0	1
## 6	155	0			0	0	1	0
## 7	0	0			0	0	1	0
## 8	0	0			0	0	0	1
## 9	104	0			0	0	1	0
## 10	0	1			0	0	0	0
## 11	0	0			0	0	0	0
## 12	0	0			0	0	1	0
## 13	0	0			1	0	0	0
## 14	0	0			0	0	1	0
## 15	0	0			1	0	0	0
## 16	0	0			0	0	1	1
## 17	134	1			0	0	0	0
## 18	0	0			0	0	0	0
## 19	0	1			0	0	0	0
## 20	0	0			1	0	0	1
## 21	111	0			0	0	1	0
## 22	0	0			0	0	1	0
## 23	260	0			0	0	1	0
## 24	163	0			1	0	0	0
## 25	159	0			0	0	0	1
## 26	97	0			0	0	1	0
## 27	0	0			0	0	0	0
## 28	0	0			0	0	1	1
## 29	0	0			0	0	1	1
## 30	0	1			0	1	1	1
## 31	122	0			0	0	1	0
## 32	0	0			0	0	1	0
## 33	193	0			0	0	0	0
## 34	0	0			0	0	0	0
## 35	0	0			0	0	1	0
## 36	0	0			0	0	0	0
## 37	0	0			0	0	0	1
## 38	198	0			0	0	0	0
## 39	0	1			1	1	1	0
## 40	285	0			0	0	1	0
## 41	0	0			1	0	0	0
## 42	0	0			0	0	0	0
## 43	412	1			0	0	1	0
## 44	0	0			0	0	1	0
## 45	0	0			0	0	1	1

## 46	0	0	0	0	0	1
## 47	153	0	0	0	1	0
## 48	211	1	1	1	1	1
## 49	0	0	0	0	0	1
## 50	0	0	0	0	0	1
## 51	0	0	1	0	1	0
## 52	0	0	0	0	1	0
## 53	207	0	0	0	0	0
## 54	240	1	0	0	1	0
## 55	0	0	0	0	1	0
## 56	0	0	0	0	1	0
## 57	0	0	1	1	1	0
## 58	0	1	0	0	0	0
## 59	0	0	0	0	0	0
## 60	455	0	0	0	0	0
## 61	0	0	1	0	1	0
## 62	112	0	1	0	0	0
## 63	0	0	0	0	0	0
## 64	0	0	0	0	1	0
## 65	0	0	0	0	0	0
## 66	0	0	0	0	1	1
## 67	336	0	0	0	0	0
## 68	132	0	1	0	0	0
## 69	0	0	0	0	1	1
## 70	0	0	0	0	1	0
## 71	0	0	0	0	0	1
## 72	0	0	0	0	1	0
## 73	0	0	0	0	0	1
## 74	0	0	0	0	1	1
## 75	0	0	0	0	0	1
## 76	0	1	0	1	1	1
## 77	0	0	0	0	0	0
## 78	0	0	0	0	0	0
## 79	0	1	0	0	0	0
## 80	118	0	0	0	1	0
## 81	174	0	0	0	1	1
## 82	0	0	0	0	1	0
## 83	0	0	0	0	1	0
## 84	0	0	0	0	0	0
## 85	0	0	0	0	1	0
## 86	0	0	0	0	0	0
## 87	126	0	0	0	0	0
## 88	0	0	0	0	1	0
## 89	0	0	0	0	1	0
## 90	0	0	0	0	0	1
## 91	0	1	0	0	1	0
## 92	0	0	0	0	1	0
## 93	0	0	0	0	0	0
## 94	236	0	1	0	1	0
## 95	0	0	0	0	0	0
## 96	0	0	0	0	1	0
## 97	0	0	0	0	0	0
## 98	0	0	0	0	1	0
## 99	0	0	0	0	1	0



## 100	0	0	0	0	1	0
## 101	0	0	0	0	1	0
## 102	0	0	0	0	0	0
## 103	198	0	0	0	1	1
## 104	0	0	0	0	1	0
## 105	166	0	0	0	1	1
## 106	0	0	1	0	1	0
## 107	0	0	0	0	1	1
## 108	136	0	0	0	0	0
## 109	166	0	0	0	1	0
## 110	0	0	0	0	1	0
## 111	0	0	0	0	0	0
## 112	0	0	0	0	1	0
## 113	309	0	0	0	0	0
## 114	103	0	0	0	0	0
## 115	0	0	0	0	1	0
## 116	0	0	0	0	1	0
## 117	0	0	0	0	1	0
## 118	193	0	0	0	1	0
## 119	0	0	0	0	1	0
## 120	366	0	0	0	0	0
## 121	0	0	0	0	1	0
## 122	0	0	0	0	1	0
## 123	0	0	0	0	1	1
## 124	0	0	1	0	0	0
## 125	118	0	0	0	1	0
## 126	0	0	0	0	1	0
## 127	101	0	0	0	1	1
## 128	251	0	0	0	1	0
## 129	0	0	1	0	1	0
## 130	0	0	0	0	0	1
## 131	276	0	0	0	1	0
## 132	0	1	0	1	1	1
## 133	0	0	0	0	0	0
## 134	0	0	0	0	1	0
## 135	0	0	0	0	0	0
## 136	0	0	0	0	1	1
## 137	0	0	0	0	1	0
## 138	0	0	0	0	0	0
## 139	0	0	1	1	0	1
## 140	0	0	0	0	1	0
## 141	161	0	0	0	1	1
## 142	149	0	0	0	1	1
## 143	0	0	0	0	0	1
## 144	0	0	0	0	1	1
## 145	0	0	0	0	0	0
## 146	0	0	0	0	0	1
## 147	0	0	0	0	1	1
## 148	188	0	0	0	1	0
## 149	116	0	0	0	1	0
## 150	0	0	0	0	0	0
## 151	0	0	0	1	1	1
## 152	0	1	0	0	0	1
## 153	0	0	0	0	1	1

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## 157	0	0	0	0	0	1
## 158	0	0	0	0	1	1
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## 164	0	0	0	0	1	0
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## 166	0	0	0	0	1	0
## 167	0	0	0	0	0	0
## 168	0	0	0	0	1	1
## 169	0	0	0	0	1	0
## 170	0	0	0	0	0	1
## 171	0	0	0	0	1	0
## 172	0	0	1	0	0	0
## 173	0	0	0	0	1	0
## 174	0	0	0	0	1	1
## 175	0	1	0	0	1	0
## 176	0	0	1	0	1	0
## 177	135	0	0	0	1	0
## 178	244	0	0	0	0	0
## 179	0	0	0	0	1	1
## 180	0	0	0	0	1	0
## 181	164	0	0	0	1	0
## 182	81	0	0	0	0	0
## 183	0	0	0	0	1	0
## 184	0	1	0	0	1	0
## 185	0	0	1	0	1	0
## 186	0	0	0	0	1	0
## 187	0	0	0	0	1	1
## 188	315	1	0	0	1	0
## 189	122	0	0	0	1	0
## 190	0	0	0	0	1	0
## 191	0	0	0	0	1	0
## 192	140	0	0	0	0	0
## 193	0	0	0	0	1	0
## 194	0	0	0	0	1	1
## 195	0	0	0	0	1	0
## 196	95	0	1	0	1	0
## 197	0	0	0	0	0	1
## 198	89	0	0	0	1	0
## 199	90	0	1	0	1	0
## 200	0	1	0	1	1	1
## 201	0	0	0	0	1	1
## 202	0	0	0	0	1	1
## 203	0	0	0	0	1	0
## 204	0	0	0	0	1	0
## 205	105	0	0	0	0	0
## 206	100	0	0	0	0	1
## 207	0	0	1	0	1	0

## 208	0	0	0	0	0	0
## 209	0	0	0	0	1	1
## 210	282	1	0	1	1	1
## 211	0	0	0	0	0	0
## 212	0	0	0	0	0	0
## 213	209	0	0	0	0	0
## 214	0	0	0	0	1	0
## 215	0	0	0	0	0	0
## 216	249	0	0	0	1	1
## 217	0	0	0	0	0	0
## 218	0	0	0	0	0	0
## 219	0	0	0	0	1	0
## 220	0	0	0	0	1	1
## 221	0	0	0	0	0	1
## 222	0	0	0	0	1	0
## 223	0	0	0	0	0	0
## 224	0	0	0	0	1	0
## 225	91	0	0	0	0	0
## 226	0	0	0	0	0	1
## 227	0	0	0	0	0	0
## 228	0	0	0	1	1	1
## 229	98	0	1	1	0	1
## 230	145	0	0	0	0	1
## 231	0	0	0	0	1	0
## 232	0	0	0	0	1	0
## 233	135	0	0	0	0	0
## 234	0	0	0	0	1	0
## 235	150	0	0	0	0	0
## 236	0	0	0	0	1	0
## 237	0	0	0	0	1	1
## 238	0	0	0	0	1	0
## 239	0	0	0	0	1	1
## 240	0	0	0	0	0	0
## 241	169	0	0	0	0	0
## 242	0	0	0	0	0	1
## 243	280	0	0	0	0	0
## 244	99	1	0	1	1	0
## 245	78	0	0	0	1	0
## 246	0	0	0	0	0	0
## 247	0	0	0	0	1	1
## 248	111	1	1	1	1	0
## 249	264	0	0	0	1	1
## 250	113	0	0	0	0	1
## 251	117	0	0	0	0	0
## 252	325	1	0	0	1	0
## 253	0	0	0	0	0	1
## 254	0	0	0	0	0	0
## 255	121	1	0	0	1	0
## 256	138	0	0	0	0	1
## 257	0	0	0	0	0	1
## 258	0	0	0	0	0	1
## 259	0	0	0	0	1	0
## 260	77	0	0	0	1	0
## 261	0	0	0	0	0	1

## 262	251	1	0	0	1	0
## 263	0	0	0	1	1	1
## 264	112	0	0	0	1	1
## 265	0	0	0	0	0	0
## 266	98	0	1	0	0	0
## 267	0	0	0	0	1	0
## 268	138	0	0	0	0	0
## 269	0	0	0	0	1	0
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## 271	0	0	0	0	1	0
## 272	0	0	0	0	1	0
## 273	158	0	0	0	1	1
## 274	0	0	0	0	1	0
## 275	0	0	1	0	0	1
## 276	0	0	1	0	0	0
## 277	109	0	0	0	1	0
## 278	0	0	0	0	0	0
## 279	0	0	0	0	1	0
## 280	0	0	0	0	1	0
## 281	164	0	0	0	1	0
## 282	0	0	0	0	0	1
## 283	0	0	0	0	1	0
## 284	0	0	1	0	1	0
## 285	0	0	0	0	1	0
## 286	0	0	0	0	0	0
## 287	131	0	0	0	1	0
## 288	0	0	0	0	0	1
## 289	391	1	1	1	1	0
## 290	0	0	0	0	1	1
## 291	0	0	0	0	0	0
## 292	88	0	0	0	1	0
## 293	129	0	0	0	1	1
## 294	0	0	0	0	0	0
## 295	0	0	0	0	1	0
## 296	0	0	0	0	0	1
## 297	0	0	0	0	1	0
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## 300	0	1	0	1	1	0
## 301	0	0	1	0	0	0
## 302	196	0	0	0	0	0
## 303	0	0	0	0	1	0
## 304	617	1	0	0	0	0
## 305	0	0	0	0	0	0
## 306	123	0	0	0	1	0
## 307	0	0	0	0	1	1
## 308	0	0	0	0	1	0
## 309	0	0	0	1	1	1
## 310	0	0	1	0	1	0
## 311	0	0	0	0	1	1
## 312	167	0	0	0	1	0
## 313	0	0	1	0	1	0
## 314	0	0	0	0	0	1
## 315	0	0	0	0	1	0

## 316	0	0	0	0	1	0
## 317	0	1	0	0	1	0
## 318	0	1	0	0	1	0
## 319	190	0	0	0	1	0
## 320	0	0	0	0	0	1
## 321	248	0	0	0	0	0
## 322	82	1	0	0	0	0
## 323	0	1	1	1	1	0
## 324	0	1	0	0	0	0
## 325	0	1	0	0	0	0
## 326	0	0	0	0	1	1
## 327	0	0	0	1	1	1
## 328	402	0	0	0	1	0
## 329	0	0	0	0	1	1
## 330	0	0	0	0	1	0
## 331	0	0	0	0	1	0
## 332	0	0	0	0	0	0
## 333	0	0	0	0	1	0
## 334	0	0	0	0	0	0
## 335	0	0	0	0	1	0
## 336	360	0	0	1	1	1
## 337	0	0	0	0	1	0
## 338	0	0	0	0	1	0
## 339	392	0	0	0	0	0
## 340	0	0	0	0	0	0
## 341	0	0	0	0	1	1
## 342	185	0	0	0	1	0
## 343	0	0	0	0	0	1
## 344	103	0	0	0	0	0
## 345	138	0	0	0	1	1
## 346	78	0	1	0	1	0
## 347	0	0	0	0	1	0
## 348	0	0	1	1	1	1
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## 350	132	1	0	0	0	0
## 351	0	0	1	0	1	0
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## 354	0	0	0	0	1	0
## 355	419	0	0	0	1	0
## 356	0	0	0	0	0	1
## 357	88	0	0	0	0	0
## 358	81	0	0	0	1	0
## 359	0	0	0	0	1	0
## 360	0	0	0	0	1	0
## 361	0	0	0	0	0	0
## 362	0	0	0	0	1	0
## 363	270	0	0	0	0	1
## 364	0	0	0	0	0	0
## 365	148	0	0	0	0	1
## 366	466	1	0	0	1	0
## 367	0	0	0	0	1	0
## 368	175	0	0	0	1	0
## 369	159	0	0	0	1	0

## 370	0	0	0	0	0	1
## 371	147	0	0	0	0	0
## 372	0	0	0	0	0	0
## 373	174	0	0	0	1	0
## 374	111	0	0	0	1	1
## 375	220	0	0	0	1	0
## 376	0	0	0	0	1	0
## 377	0	0	0	0	0	0
## 378	0	0	0	0	1	0
## 379	0	0	0	0	0	0
## 380	0	0	0	0	0	0
## 381	0	0	0	0	1	1
## 382	0	0	0	0	1	1
## 383	0	1	0	0	0	1
## 384	0	0	0	0	1	0
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## 386	0	0	0	0	1	0
## 387	0	0	0	0	1	0
## 388	0	0	0	0	1	0
## 389	0	1	0	0	0	0
## 390	0	0	0	0	1	1
## 391	0	0	0	0	1	0
## 392	0	0	0	0	0	1
## 393	0	0	0	0	1	0
## 394	109	0	1	1	1	1
## 395	0	0	0	0	1	1
## 396	0	0	0	0	0	0
## 397	0	0	0	0	0	0
## 398	0	0	0	0	1	0
## 399	0	0	0	0	0	0
## 400	0	0	0	0	1	1
## 401	0	1	0	0	1	0
## 402	112	0	0	0	0	1
## 403	133	0	0	1	1	1
## 404	0	0	0	0	0	0
## 405	182	0	0	0	0	0
## 406	290	0	1	1	1	1
## 407	0	0	0	0	0	0
## 408	0	0	0	0	1	0
## 409	0	0	0	0	1	0
## 410	125	0	0	0	1	0
## 411	0	0	0	0	1	1
## 412	0	0	1	0	0	0
## 413	0	0	0	0	1	0
## 414	0	0	0	0	1	0
## 415	0	0	0	0	0	1
## 416	124	0	0	0	1	0
## 417	0	0	0	0	1	0
## 418	0	0	0	0	1	0
## 419	0	0	0	0	0	0
## 420	0	0	0	0	0	1
## 421	0	0	0	0	1	1
## 422	0	1	0	0	0	0
## 423	0	0	1	1	1	0

## 424	0	0	0	0	0	0
## 425	0	0	0	0	0	0
## 426	0	0	0	0	1	0
## 427	0	0	0	0	0	1
## 428	116	0	0	0	0	1
## 429	116	0	0	0	0	1
## 430	0	0	0	0	1	0
## 431	161	0	0	0	1	0
## 432	224	0	0	0	1	0
## 433	0	0	0	0	1	0
## 434	141	0	0	0	1	1
## 435	0	0	0	0	1	0
## 436	0	0	0	0	0	0
## 437	112	0	0	0	1	0
## 438	0	0	1	0	1	0
## 439	119	1	0	1	1	1
## 440	0	0	0	0	1	0
## 441	139	0	0	0	1	0
## 442	0	0	1	0	1	0
## 443	115	1	0	0	1	0
## 444	0	0	0	0	0	0
## 445	0	0	0	0	1	1
## 446	0	0	0	0	1	0
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## 448	0	0	0	0	0	0
## 449	0	0	0	0	1	1
## 450	0	0	0	0	1	0
## 451	0	0	0	0	1	1
## 452	89	0	0	0	1	0
## 453	0	0	0	0	0	0
## 454	0	0	1	0	0	0
## 455	0	0	0	0	0	0
## 456	0	0	0	0	1	0
## 457	116	0	0	0	1	0
## 458	0	0	0	0	0	0
## 459	0	0	0	0	1	1
## 460	458	0	0	0	0	0
## 461	0	0	0	0	1	1
## 462	0	0	1	0	0	0
## 463	0	1	0	0	1	0
## 464	0	1	1	1	1	0
## 465	0	1	0	0	0	1
## 466	172	0	0	0	1	0
## 467	0	0	0	0	1	0
## 468	0	0	0	0	0	1
## 469	0	0	0	0	1	0
## 470	0	0	0	0	1	1
## 471	0	0	0	0	0	0
## 472	161	0	0	0	1	1
## 473	156	0	0	0	1	0
## 474	547	1	0	0	1	0
## 475	0	0	0	0	1	0
## 476	0	1	0	0	0	0
## 477	0	0	1	0	0	1

## 478	78	0	0	0	1	0
## 479	0	0	0	0	0	1
## 480	470	0	0	0	1	1
## 481	0	0	0	0	1	1
## 482	0	0	0	0	0	1
## 483	88	1	0	1	1	0
## 484	0	0	0	0	0	0
## 485	0	0	0	0	1	1
## 486	0	0	0	0	1	0
## 487	304	0	1	0	1	0
## 488	0	0	0	0	1	1
## 489	0	0	0	0	1	0
## 490	0	0	0	1	1	1
## 491	0	0	0	0	1	0
## 492	104	0	1	0	1	0
## 493	0	0	0	0	1	0
## 494	0	0	0	0	1	1
## 495	0	0	0	0	1	0
## 496	0	0	0	0	1	1
## 497	0	0	0	0	1	0
## 498	0	0	0	0	1	0
## 499	0	0	0	0	0	1
## 500	0	0	0	0	1	0
## 501	0	0	0	0	0	0
## 502	0	0	0	0	1	0
## 503	0	0	0	0	0	0
## 504	185	0	0	0	0	1
## 505	0	0	0	0	1	0
## 506	0	1	0	0	1	0
## 507	0	0	0	0	0	0
## 508	0	0	0	0	1	0
## 509	0	0	0	0	0	0
## 510	112	0	0	0	1	0
## 511	221	0	0	0	1	0
## 512	0	0	0	0	0	0
## 513	108	0	0	0	0	1
## 514	0	0	0	0	0	0
## 515	0	0	0	0	1	0
## 516	211	0	0	0	0	1
## 517	0	0	0	0	0	0
## 518	169	0	0	0	0	0
## 519	0	0	0	0	1	0
## 520	105	0	0	0	1	0
## 521	129	0	0	0	1	1
## 522	0	0	0	0	1	0
## 523	224	0	0	0	0	0
## 524	0	0	0	0	0	0
## 525	0	0	0	0	1	0
## 526	179	0	0	0	0	0
## 527	271	0	0	0	0	1
## 528	89	0	0	0	1	0
## 529	378	1	0	0	1	0
## 530	0	0	0	0	1	0
## 531	0	0	0	0	0	1



## 532	0	0	1	1	1	1
## 533	113	0	0	1	1	1
## 534	0	0	0	0	0	0
## 535	0	0	1	0	0	0
## 536	0	0	0	0	1	0
## 537	176	0	0	0	1	0
## 538	0	1	0	0	1	0
## 539	76	0	0	0	0	1
## 540	117	0	0	0	0	0
## 541	314	0	0	0	1	0
## 542	0	0	0	0	0	0
## 543	0	0	0	0	1	0
## 544	90	0	0	0	0	1
## 545	0	0	0	0	1	0
## 546	87	0	0	0	0	0
## 547	203	0	1	0	0	0
## 548	180	0	1	1	1	1
## 549	0	0	0	0	1	1
## 550	0	0	0	0	0	1
## 551	0	0	0	0	1	1
## 552	0	0	0	0	1	1
## 553	230	0	0	0	1	0
## 554	0	0	0	0	0	0
## 555	0	0	0	0	1	0
## 556	137	0	0	1	1	1
## 557	129	0	0	0	1	0
## 558	0	0	0	0	0	1
## 559	0	0	1	0	0	0
## 560	138	0	0	0	1	0
## 561	0	0	0	0	1	0
## 562	0	0	0	0	1	0
## 563	0	0	0	0	1	1
## 564	0	0	0	0	1	0
## 565	152	0	0	0	0	0
## 566	0	0	0	0	1	0
## 567	0	1	0	1	1	1
## 568	0	0	0	0	0	0
## 569	161	0	0	0	1	1
## 570	185	0	0	0	0	0
## 571	485	1	1	1	0	0
## 572	0	0	0	0	1	0
## 573	0	0	0	0	0	0
## 574	0	0	0	0	1	1
## 575	0	0	0	0	1	1
## 576	0	0	0	0	1	0
## 577	0	0	0	0	0	1
## 578	0	0	0	0	1	0
## 579	0	0	0	0	1	1
## 580	0	0	0	0	1	0
## 581	0	0	0	0	1	1
## 582	0	0	0	0	1	1
## 583	155	0	0	0	0	0
## 584	0	0	0	0	1	0
## 585	300	0	0	0	1	0

## 586	0	0	0	0	1	0
## 587	0	0	0	0	1	1
## 588	272	0	0	0	1	0
## 589	0	0	0	1	1	1
## 590	0	0	0	0	0	0
## 591	0	0	0	0	1	0
## 592	0	0	0	0	1	0
## 593	0	0	1	1	1	1
## 594	0	0	0	0	1	0
## 595	144	0	0	0	0	0
## 596	94	0	0	0	1	0
## 597	0	1	0	0	1	0
## 598	0	0	1	0	0	1
## 599	90	0	0	0	0	0
## 600	0	0	0	0	1	1
## 601	0	0	0	0	1	0
## 602	0	0	0	0	1	1
## 603	0	0	0	0	0	0
## 604	89	0	0	0	1	0
## 605	240	0	0	0	0	1
## 606	0	0	0	0	1	1
## 607	208	0	0	0	1	0
## 608	0	1	0	0	0	0
## 609	0	0	0	0	1	0
## 610	0	0	0	0	0	0
## 611	275	0	0	0	0	0
## 612	83	0	0	0	0	0
## 613	0	0	0	0	1	1
## 614	0	0	1	0	0	0
## 615	0	0	0	0	1	1
## 616	0	0	0	0	0	0
## 617	0	0	0	0	1	1
## 618	0	0	0	0	1	0
## 619	115	0	0	0	1	0
## 620	0	0	0	0	0	0
## 621	0	1	0	0	1	0
## 622	0	0	0	0	1	0
## 623	131	0	0	0	1	0
## 624	78	0	0	0	1	0
## 625	122	0	0	0	1	0
## 626	211	0	0	0	1	0
## 627	100	0	0	0	0	1
## 628	0	0	0	0	1	0
## 629	0	0	0	0	0	0
## 630	218	0	0	1	1	1
## 631	108	0	0	0	0	1
## 632	0	0	0	0	1	0
## 633	0	1	0	0	1	0
## 634	0	0	0	0	1	1
## 635	0	0	1	1	1	1
## 636	169	0	0	0	1	0
## 637	196	0	0	0	1	0
## 638	0	0	0	0	1	0
## 639	0	0	0	0	0	0

## 640	0	0	0	0	1	1
## 641	327	0	1	0	1	0
## 642	0	0	0	0	0	0
## 643	0	0	0	0	1	0
## 644	0	0	0	0	1	0
## 645	0	0	0	0	1	0
## 646	322	0	0	0	0	0
## 647	0	0	0	0	0	0
## 648	123	0	1	1	1	1
## 649	0	0	0	0	1	0
## 650	0	0	0	0	1	0
## 651	163	1	1	0	0	0
## 652	131	0	0	0	0	0
## 653	0	0	0	0	1	0
## 654	205	0	0	0	0	1
## 655	0	1	0	0	0	0
## 656	0	0	0	0	0	0
## 657	145	0	0	0	0	0
## 658	0	0	0	0	0	0
## 659	0	0	0	0	0	0
## 660	0	0	0	0	1	1
## 661	0	0	0	0	1	0
## 662	0	0	0	0	1	0
## 663	0	1	0	0	0	0
## 664	0	0	0	0	0	0
## 665	227	0	0	0	0	1
## 666	0	0	1	0	1	0
## 667	0	0	1	1	1	1
## 668	190	0	1	0	1	0
## 669	0	0	0	0	0	0
## 670	0	0	0	0	0	0
## 671	239	0	0	0	1	0
## 672	282	1	1	1	1	0
## 673	0	0	0	0	1	0
## 674	85	0	0	0	0	0
## 675	0	0	0	0	0	0
## 676	160	0	0	0	0	0
## 677	103	0	0	0	0	1
## 678	0	0	0	0	1	0
## 679	207	0	0	0	0	0
## 680	364	0	0	0	0	0
## 681	0	0	0	0	0	1
## 682	0	1	0	0	1	0
## 683	0	0	0	0	0	1
## 684	0	0	0	0	0	0
## 685	449	0	0	0	1	0
## 686	0	0	0	0	1	0
## 687	0	0	0	0	1	0
## 688	0	0	0	0	1	0
## 689	207	0	0	0	1	0
## 690	0	0	1	1	1	0
## 691	75	0	0	0	1	0
## 692	113	0	0	0	1	1
## 693	111	0	0	0	0	0

## 694	107	0	0	0	1	0
## 695	81	0	0	0	1	0
## 696	0	0	0	0	0	0
## 697	82	0	0	0	1	0
## 698	0	0	0	0	1	0
## 699	220	0	0	0	0	0
## 700	91	0	0	0	0	0
## 701	0	0	0	0	1	1
## 702	0	0	0	0	0	1
## 703	0	1	0	0	0	0
## 704	92	0	0	0	0	0
## 705	0	0	0	0	0	0
## 706	0	0	0	0	1	0
## 707	0	0	0	0	1	0
## 708	0	0	0	0	1	1
## 709	115	0	0	0	0	0
## 710	0	0	0	0	1	0
## 711	87	0	0	0	1	1
## 712	187	0	1	0	0	0
## 713	0	0	0	0	1	0
## 714	0	0	0	0	1	0
## 715	0	0	0	0	0	0
## 716	0	0	1	1	1	1
## 717	161	0	0	0	1	1
## 718	0	0	0	0	0	1
## 719	137	0	0	1	1	1
## 720	0	0	1	0	1	0
## 721	0	0	0	0	0	0
## 722	0	0	0	0	1	0
## 723	0	1	0	1	1	1
## 724	0	0	0	0	1	0
## 725	0	0	0	0	1	0
## 726	0	0	0	0	0	0
## 727	0	0	0	0	1	0
## 728	0	0	0	0	1	0
## 729	0	1	0	0	0	0
## 730	0	0	0	0	0	1
## 731	205	0	0	0	1	0
## 732	0	0	0	0	1	1
## 733	0	0	0	0	1	0
## 734	0	0	0	0	1	0
## 735	0	0	0	0	1	1
## 736	0	0	0	0	1	0
## 737	0	1	0	0	1	0
## 738	0	1	0	0	1	0
## 739	0	0	0	0	1	0
## 740	0	0	0	0	0	0
## 741	0	0	0	0	0	0
## 742	0	0	0	0	1	0
## 743	0	0	0	0	1	0
## 744	0	0	1	1	1	1
## 745	0	0	1	0	1	0
## 746	0	0	0	0	0	1
## 747	0	0	0	0	1	0

## 748	0	0	1	1	1	0
## 749	0	0	0	0	0	0
## 750	0	0	0	0	0	1
## 751	0	0	0	0	1	0
## 752	355	0	0	0	1	0
## 753	0	0	0	0	0	0
## 754	0	0	0	0	1	1
## 755	0	0	0	1	1	1
## 756	0	0	0	0	0	1
## 757	0	0	0	0	1	0
## 758	0	0	1	0	0	0
## 759	0	0	1	0	0	0
## 760	0	0	0	0	1	0
## 761	0	0	0	0	1	0
## 762	166	0	0	0	1	0
## 763	100	0	0	0	1	0
## 764	0	0	0	0	0	1
## 765	314	0	0	0	0	1
## 766	0	1	0	0	0	0
## 767	0	0	0	0	0	0
## 768	108	0	0	0	0	0
## 769	0	0	0	0	1	0
## 770	119	0	1	0	1	0
## 771	0	1	0	0	1	0
## 772	106	0	1	0	1	0
## 773	0	1	0	1	1	1
## 774	0	0	0	0	1	1
## 775	0	0	0	0	0	1
## 776	0	0	0	0	0	1
## 777	91	1	0	0	1	0
## 778	76	0	0	0	1	1
## 779	0	0	0	0	1	0
## 780	0	1	0	0	0	0
## 781	0	0	0	0	1	1
## 782	0	1	0	0	1	0
## 783	587	1	1	1	1	1
## 784	0	0	1	0	0	0
## 785	0	0	0	0	0	0
## 786	0	0	0	1	1	1
## 787	0	0	1	0	1	0
## 788	0	1	0	0	0	0
## 789	0	0	0	0	0	0
## 790	0	0	0	0	1	0
## 791	0	0	0	0	1	1
## 792	0	0	0	0	1	0
## 793	0	0	0	0	0	1
## 794	0	0	0	0	1	0
## 795	0	0	0	0	1	0
## 796	0	0	0	0	0	1
## 797	0	0	0	0	0	0
## 798	0	0	0	0	1	0
## 799	0	0	0	0	0	0
## 800	0	0	0	0	1	0
## 801	0	0	0	0	1	0

## 802	0	0	0	0	1	0
## 803	214	0	0	0	1	0
## 804	82	0	0	0	0	0
## 805	0	0	0	0	1	0
## 806	307	1	0	0	0	0
## 807	0	0	0	0	0	0
## 808	0	0	0	0	1	0
## 809	0	0	0	0	1	0
## 810	0	0	0	0	0	1
## 811	0	0	0	0	0	0
## 812	0	0	0	0	0	0
## 813	0	0	0	0	0	0
## 814	0	1	0	0	1	0
## 815	0	0	0	0	0	1
## 816	118	0	0	0	0	0
## 817	263	0	0	0	1	1
## 818	91	0	0	0	1	0
## 819	0	0	0	0	1	1
## 820	0	0	0	0	0	0
## 821	0	0	0	0	1	0
## 822	0	0	0	0	0	0
## 823	0	0	0	0	0	0
## 824	0	0	0	0	1	1
## 825	0	0	1	0	1	0
## 826	0	0	0	0	0	0
## 827	0	0	0	0	1	0
## 828	88	0	0	0	1	1
## 829	75	0	0	0	1	0
## 830	0	0	0	0	1	0
## 831	81	0	0	0	0	0
## 832	0	0	0	0	1	0
## 833	0	0	0	0	0	0
## 834	0	0	0	0	0	0
## 835	0	1	1	1	1	0
## 836	193	0	0	0	1	1
## 837	0	0	0	0	0	1
## 838	81	0	0	0	1	0
## 839	0	0	0	0	0	0
## 840	0	0	0	0	0	0
## 841	310	0	0	0	0	1
## 842	0	0	1	0	0	0
## 843	0	0	0	0	0	0
## 844	0	0	0	0	1	0
## 845	127	0	0	0	1	0
## 846	0	0	0	0	1	1
## 847	0	0	0	0	1	0
## 848	252	0	0	0	1	0
## 849	0	0	0	0	1	0
## 850	0	0	1	1	1	1
## 851	0	0	0	0	0	0
## 852	0	0	1	0	1	0
## 853	127	0	0	0	0	1
## 854	0	0	0	0	0	0
## 855	0	0	1	0	1	0

## 856	77	0	0	0	1	0
## 857	0	0	0	0	0	0
## 858	0	0	0	1	1	1
## 859	0	0	0	0	1	0
## 860	170	1	0	0	0	0
## 861	145	0	0	0	0	0
## 862	124	0	1	0	1	0
## 863	101	0	0	0	0	0
## 864	265	0	0	0	0	0
## 865	0	0	0	0	1	0
## 866	139	0	0	0	1	1
## 867	0	0	0	0	1	0
## 868	0	0	0	0	0	0
## 869	0	0	1	0	0	1
## 870	0	0	0	0	0	1
## 871	0	0	0	0	1	0
## 872	0	0	0	0	1	0
## 873	0	0	0	0	1	0
## 874	134	0	0	0	0	0
## 875	0	0	0	0	1	1
## 876	123	0	0	0	0	0
## 877	0	0	0	0	1	0
## 878	0	0	0	0	0	0
## 879	0	0	0	0	0	0
## 880	0	0	0	0	1	0
## 881	177	0	0	0	1	0
## 882	0	0	0	0	1	0
## 883	0	0	0	0	0	0
## 884	305	0	0	0	1	0
## 885	0	0	0	0	1	0
## 886	0	0	0	0	1	0
## 887	0	0	0	0	0	0
## 888	0	0	0	0	1	0
## 889	372	1	0	0	0	0
## 890	0	0	0	0	1	1
## 891	79	0	0	0	1	0
## 892	301	1	0	1	1	1
## 893	0	0	0	0	1	0
## 894	0	0	0	0	0	1
## 895	232	0	0	0	1	1
## 896	289	0	1	1	1	1
## 897	212	1	0	0	1	0
## 898	137	0	0	0	1	1
## 899	0	0	0	0	1	0
## 900	0	1	0	0	0	1
## 901	172	0	0	0	0	1
## 902	0	0	0	0	1	0
## 903	0	0	0	0	0	0
## 904	250	0	0	0	1	0
## 905	0	0	1	0	0	0
## 906	84	0	0	0	1	1
## 907	130	0	0	0	0	0
## 908	115	0	0	0	1	1
## 909	0	0	0	0	0	1

## 910	305	0	0	0	0	1
## 911	0	0	0	0	0	1
## 912	0	0	0	0	0	0
## 913	0	0	0	0	1	0
## 914	0	0	1	0	0	0
## 915	0	1	1	1	0	1
## 916	303	0	0	0	1	0
## 917	0	0	0	0	1	0
## 918	0	0	0	0	1	1
## 919	0	0	0	0	0	0
## 920	0	0	1	0	0	1
## 921	0	0	0	0	0	0
## 922	126	0	0	0	1	1
## 923	0	0	1	1	1	0
## 924	0	0	0	0	0	0
## 925	0	0	1	0	0	0
## 926	0	0	0	0	0	1
## 927	103	0	0	0	1	0
## 928	138	1	0	0	0	1
## 929	0	0	0	0	1	0
## 930	91	0	0	0	0	1
## 931	0	0	0	0	1	0
## 932	0	0	0	0	1	0
## 933	0	0	1	1	1	1
## 934	0	0	0	0	1	0
## 935	0	0	0	0	1	0
## 936	256	0	0	0	0	1
## 937	0	0	1	0	0	0
## 938	0	0	1	0	1	0
## 939	124	0	1	0	0	0
## 940	0	0	0	0	1	1
## 941	203	1	0	0	1	0
## 942	140	1	0	0	0	0
## 943	0	0	0	0	0	1
## 944	0	0	0	0	0	0
## 945	0	0	0	0	0	1
## 946	0	0	0	0	1	0
## 947	0	0	0	0	0	0
## 948	84	0	0	0	1	0
## 949	259	0	0	0	1	1
## 950	204	0	0	0	1	0
## 951	0	0	0	0	1	0
## 952	0	1	0	0	1	0
## 953	524	0	0	0	0	1
## 954	0	0	1	0	1	0
## 955	249	1	0	0	1	0
## 956	0	0	0	0	1	0
## 957	0	0	0	0	1	0
## 958	0	0	0	0	1	0
## 959	0	0	0	0	0	1
## 960	163	0	0	0	0	0
## 961	0	0	0	0	1	1
## 962	163	0	0	0	1	0
## 963	135	0	0	0	0	0



## 964	0	0	0	0	0	0
## 965	157	0	1	0	1	0
## 966	0	1	0	0	1	0
## 967	0	0	0	0	0	0
## 968	0	0	0	0	1	0
## 969	0	0	0	0	1	1
## 970	0	0	0	0	1	0
## 971	236	0	0	0	1	0
## 972	231	1	0	1	1	1
## 973	174	0	0	0	0	0
## 974	287	0	0	0	1	0
## 975	0	0	0	0	1	0
## 976	0	1	0	0	0	0
## 977	0	0	1	0	0	0
## 978	205	0	0	0	1	0
## 979	0	0	0	0	1	1
## 980	0	0	0	0	0	1
## 981	0	0	0	0	1	1
## 982	0	1	0	1	1	1
## 983	0	0	0	0	0	1
## 984	0	0	0	0	0	0
## 985	0	0	0	0	0	0
## 986	159	0	0	0	0	1
## 987	0	0	0	0	1	0
## 988	0	0	0	0	1	0
## 989	100	0	0	0	0	0
## 990	247	0	0	0	0	0
## 991	0	0	0	0	1	0
## 992	0	0	0	0	0	1
## 993	0	0	0	0	1	0
## 994	0	1	0	0	0	0
## 995	0	0	0	0	0	0
## 996	0	0	0	0	1	1
## 997	214	0	0	0	0	0
## 998	0	0	0	0	0	0
## 999	333	0	0	0	1	0
## 1000	0	0	0	0	1	1
## 1001	91	0	1	0	0	0
## 1002	108	0	0	0	1	0
## 1003	0	0	0	0	0	0
## 1004	229	0	0	0	1	0
## 1005	0	0	0	0	1	0
## 1006	0	0	1	0	1	0
## 1007	0	0	0	0	1	0
## 1008	357	1	0	0	0	0
## 1009	0	0	0	0	1	0
## 1010	140	0	0	0	1	0
## 1011	361	0	1	1	1	1
## 1012	166	0	0	0	1	0
## 1013	0	0	0	0	1	1
## 1014	169	0	0	0	1	0
## 1015	301	1	0	1	1	1
## 1016	0	0	0	0	0	0
## 1017	0	0	1	0	1	0

## 1018	170	0	0	0	0	0
## 1019	127	0	0	0	0	0
## 1020	157	0	0	0	0	0
## 1021	97	0	0	0	1	0
## 1022	0	0	0	0	1	1
## 1023	0	1	0	0	1	0
## 1024	366	0	0	0	1	0
## 1025	0	1	0	1	1	0
## 1026	169	0	0	0	1	0
## 1027	0	0	0	0	1	0
## 1028	0	0	1	0	0	0
## 1029	0	1	0	0	0	0
## 1030	0	0	0	0	1	0
## 1031	0	0	0	0	0	1
## 1032	136	0	0	0	1	0
## 1033	0	0	0	0	1	1
## 1034	0	0	0	0	1	0
## 1035	134	0	1	0	1	0
## 1036	0	0	1	0	1	0
## 1037	119	0	0	0	1	1
## 1038	0	0	1	0	1	0
## 1039	0	1	0	1	1	1
## 1040	0	1	0	0	1	0
## 1041	163	0	0	0	0	0
## 1042	0	0	0	0	0	0
## 1043	0	0	0	0	1	0
## 1044	0	0	0	0	1	0
## 1045	83	0	0	0	1	1
## 1046	0	0	0	0	0	0
## 1047	0	0	0	0	0	0
## 1048	0	0	0	0	0	0
## 1049	0	0	0	0	1	0
## 1050	0	0	0	0	1	0
## 1051	294	1	0	1	1	1
## 1052	141	0	1	0	0	0
## 1053	103	0	0	0	1	1
## 1054	0	0	0	0	1	0
## 1055	0	0	0	0	1	0
## 1056	0	0	1	0	1	0
## 1057	0	0	0	0	1	0
## 1058	0	0	0	0	1	0
## 1059	86	0	0	0	1	0
## 1060	0	0	0	0	1	1
## 1061	0	0	0	0	0	1
## 1062	0	0	0	0	1	0
## 1063	97	1	0	0	0	0
## 1064	131	0	0	0	0	1
## 1065	0	1	0	0	1	0
## 1066	0	0	0	0	0	1
## 1067	0	1	0	1	1	0
## 1068	0	0	0	0	0	0
## 1069	0	0	1	0	0	0
## 1070	0	1	0	0	1	0
## 1071	0	0	0	0	1	0

## 1072	137	0	0	0	1	0
## 1073	0	0	0	0	0	0
## 1074	0	0	0	0	1	1
## 1075	0	0	0	0	0	1
## 1076	0	0	0	0	0	0
## 1077	0	0	0	0	1	0
## 1078	329	1	0	0	1	0
## 1079	182	0	0	0	0	1
## 1080	0	0	1	0	0	0
## 1081	142	0	0	0	1	0
## 1082	0	0	0	0	0	0
## 1083	0	0	0	0	1	0
## 1084	0	0	1	0	0	0
## 1085	0	1	0	0	0	0
## 1086	0	0	1	0	0	0
## 1087	167	0	0	0	0	0
## 1088	196	0	0	0	0	0
## 1089	0	0	0	0	1	1
## 1090	0	0	0	0	1	0
## 1091	0	0	0	0	0	0
## 1092	0	0	0	0	1	1
## 1093	0	0	1	0	1	0
## 1094	111	0	0	0	1	0
## 1095	0	0	0	0	1	1
## 1096	137	0	0	0	1	0
## 1097	0	0	0	0	1	0
## 1098	184	1	0	0	0	1
## 1099	0	0	0	0	1	1
## 1100	0	0	0	0	1	0
## 1101	0	0	0	0	1	0
## 1102	0	0	0	0	0	0
## 1103	0	0	0	0	1	0
## 1104	0	0	0	0	0	0
## 1105	0	0	0	0	1	1
## 1106	229	1	0	1	1	1
## 1107	0	0	0	0	0	0
## 1108	185	0	0	0	1	1
## 1109	0	0	0	0	1	1
## 1110	0	0	0	0	1	0
## 1111	83	0	0	0	1	0
## 1112	442	0	0	0	0	0
## 1113	0	0	1	0	0	1
## 1114	0	0	0	0	0	1
## 1115	0	0	0	0	1	1
## 1116	0	0	0	0	0	0
## 1117	0	0	0	0	1	1
## 1118	132	0	0	0	1	1
## 1119	0	0	0	0	1	1
## 1120	233	0	0	0	1	0
## 1121	0	0	0	0	1	1
## 1122	196	0	0	0	0	1
## 1123	0	0	0	0	1	0
## 1124	0	0	0	0	0	0
## 1125	0	0	0	0	0	1

## 1126	0	0	0	0	0	0
## 1127	0	1	0	0	0	1
## 1128	0	0	0	0	1	1
## 1129	0	1	0	0	0	0
## 1130	0	1	0	1	1	1
## 1131	0	0	0	0	0	0
## 1132	0	0	0	0	1	0
## 1133	0	0	1	1	1	1
## 1134	0	0	0	0	0	0
## 1135	0	0	0	0	1	0
## 1136	91	0	1	0	1	0
## 1137	0	0	1	0	1	0
## 1138	0	1	1	1	1	0
## 1139	0	0	1	0	1	0
## 1140	0	0	0	0	1	0
## 1141	0	0	0	0	1	1
## 1142	0	1	0	0	1	0
## 1143	0	0	0	0	0	0
## 1144	0	1	0	0	1	0
## 1145	0	0	0	0	0	0
## 1146	0	0	0	0	0	1
## 1147	78	0	1	0	0	0
## 1148	0	0	0	0	0	0
## 1149	0	0	0	0	0	0
## 1150	0	0	0	0	0	0
## 1151	0	0	0	0	1	0
## 1152	0	0	1	1	1	0
## 1153	0	0	0	0	1	0
## 1154	215	0	0	0	1	1
## 1155	0	0	0	0	1	0
## 1156	0	0	0	0	0	1
## 1157	87	0	0	0	0	0
## 1158	157	0	0	0	0	0
## 1159	0	0	0	0	1	0
## 1160	0	0	0	0	0	1
## 1161	0	0	1	0	1	0
## 1162	0	1	0	0	0	0
## 1163	394	0	0	0	0	0
## 1164	227	0	0	0	1	0
## 1165	327	1	1	1	1	0
## 1166	0	0	0	0	0	0
## 1167	0	1	0	0	0	1
## 1168	475	0	0	0	1	0
## 1169	0	0	0	0	1	0
## 1170	158	0	0	0	1	0
## 1171	0	0	0	0	0	1
## 1172	0	0	0	0	1	0
## 1173	0	0	1	0	1	0
## 1174	0	0	0	0	0	0
## 1175	0	0	0	0	1	1
## 1176	0	0	0	0	1	1
## 1177	0	1	0	0	1	0
## 1178	149	1	1	1	1	0
## 1179	98	0	0	0	1	0

## 1180	0	0	1	0	0	1
## 1181	0	0	0	0	0	1
## 1182	0	0	1	0	0	0
## 1183	0	0	0	0	1	1
## 1184	0	0	0	0	1	1
## 1185	0	0	0	0	1	0
## 1186	0	0	0	0	0	0
## 1187	0	0	0	0	1	0
## 1188	87	0	1	0	0	0
## 1189	0	0	1	0	0	1
## 1190	0	0	0	0	1	0
## 1191	152	0	1	0	0	0
## 1192	0	0	0	0	1	1
## 1193	0	0	0	0	0	1
## 1194	0	0	0	0	1	1
## 1195	0	0	0	0	1	0
## 1196	0	1	0	0	1	0
## 1197	94	0	0	0	1	0
## 1198	0	0	0	0	0	1
## 1199	101	0	0	0	1	0
## 1200	184	0	0	0	1	0
## 1201	91	0	1	0	1	0
## 1202	0	0	0	0	1	0
## 1203	0	0	0	0	0	0
## 1204	0	0	0	0	1	0
## 1205	197	1	0	0	1	0
## 1206	0	0	0	0	1	0
## 1207	0	1	0	0	0	0
## 1208	0	0	0	0	0	1
## 1209	0	0	0	0	0	1
## 1210	228	0	0	0	0	1
## 1211	0	0	0	0	1	0
## 1212	0	0	0	0	1	0
## 1213	0	0	0	0	0	0
## 1214	87	0	0	0	0	0
## 1215	0	0	0	0	0	0
## 1216	144	0	0	0	1	1
## 1217	0	0	1	0	1	0
## 1218	0	0	0	0	1	0
## 1219	0	0	0	0	0	0
## 1220	0	0	0	0	0	0
## 1221	0	0	0	0	1	0
## 1222	0	0	0	0	0	1
## 1223	94	0	0	0	0	0
## 1224	91	0	0	0	0	0
## 1225	0	0	0	0	1	0
## 1226	0	1	0	0	0	0
## 1227	109	0	0	0	1	1
## 1228	0	0	0	0	0	0
## 1229	98	0	0	0	0	0
## 1230	0	0	0	0	1	0
## 1231	0	0	0	0	1	1
## 1232	0	0	1	1	1	1
## 1233	297	0	0	0	1	0

## 1234	0	0	0	0	1	0
## 1235	0	0	0	0	1	1
## 1236	0	0	0	0	0	0
## 1237	116	0	0	0	1	0
## 1238	0	1	0	1	1	1
## 1239	0	0	0	0	1	0
## 1240	109	0	0	0	1	1
## 1241	101	0	0	0	0	0
## 1242	0	0	1	1	1	1
## 1243	0	0	0	0	1	0
## 1244	0	0	0	0	1	0
## 1245	99	1	0	0	0	1
## 1246	128	0	0	0	1	0
## 1247	241	0	0	0	1	0
## 1248	0	0	0	0	1	0
## 1249	0	0	0	0	1	0
## 1250	0	0	0	0	1	1
## 1251	0	0	0	0	1	0
## 1252	0	0	0	0	0	0
## 1253	0	0	0	0	0	0
## 1254	204	0	0	0	1	0
## 1255	0	0	0	0	1	1
## 1256	185	0	0	0	1	1
## 1257	0	0	0	0	1	0
## 1258	0	0	0	0	0	1
## 1259	104	0	0	0	1	1
## 1260	0	0	0	0	1	0
## 1261	137	0	0	0	1	1
## 1262	0	0	0	0	0	0
## 1263	0	0	0	0	1	0
## 1264	0	0	0	0	1	0
## 1265	0	0	0	0	1	0
## 1266	108	0	0	0	0	0
## 1267	0	0	0	0	0	1
## 1268	0	0	1	0	0	0
## 1269	0	0	0	0	0	0
## 1270	100	0	0	0	1	1
## 1271	0	0	0	0	0	1
## 1272	236	0	0	0	1	0
## 1273	0	0	0	0	1	0
## 1274	437	1	0	1	1	1
## 1275	0	0	0	0	0	0
## 1276	178	0	0	0	1	0
## 1277	117	0	0	0	1	1
## 1278	428	0	0	0	0	0
## 1279	0	0	0	0	0	1
## 1280	145	0	0	0	0	0
## 1281	333	0	0	0	0	0
## 1282	0	0	0	0	1	0
## 1283	236	0	0	0	0	1
## 1284	117	0	0	0	0	0
## 1285	162	0	0	0	1	0
## 1286	0	1	0	0	0	1
## 1287	0	0	0	0	0	1

## 1288	0	0	0	0	0	0
## 1289	366	0	0	0	1	0
## 1290	0	0	0	0	0	0
## 1291	0	0	0	0	1	0
## 1292	0	0	1	0	0	0
## 1293	234	1	0	1	1	1
## 1294	121	0	0	0	1	1
## 1295	257	0	0	0	1	1
## 1296	90	0	0	0	0	0
## 1297	219	0	0	0	1	0
## 1298	0	0	0	0	1	0
## 1299	0	0	0	0	1	1
## 1300	0	0	1	0	1	0
## 1301	103	0	0	0	1	0
## 1302	337	0	0	0	0	1
## 1303	0	0	0	0	0	0
## 1304	382	0	1	0	0	0
## 1305	397	0	0	0	0	1
## 1306	88	0	0	0	1	0
## 1307	0	0	0	0	1	1
## 1308	0	0	0	0	1	1
## 1309	0	0	0	0	1	1
## 1310	0	0	0	0	0	0
## 1311	0	0	0	0	0	0
## 1312	125	0	0	0	0	0
## 1313	0	0	0	0	1	1
## 1314	141	0	0	0	1	0
## 1315	0	0	0	0	0	0
## 1316	181	0	0	0	0	0
## 1317	123	0	0	0	0	0
## 1318	0	0	0	0	1	0
## 1319	0	0	0	0	0	0
## 1320	0	0	0	0	0	1
## 1321	0	1	0	0	1	0
## 1322	0	0	0	0	0	0
## 1323	0	0	1	1	1	1
## 1324	0	0	0	0	0	0
## 1325	0	0	0	0	1	0
## 1326	120	0	0	0	1	0
## 1327	0	0	1	0	1	0
## 1328	0	0	0	0	1	0
## 1329	380	1	0	0	0	1
## 1330	0	0	0	0	0	0
## 1331	224	0	0	0	1	1
## 1332	0	0	0	0	1	0
## 1333	0	0	0	0	1	0
## 1334	0	0	0	0	1	0
## 1335	0	0	0	0	1	0
## 1336	0	0	0	0	1	1
## 1337	0	0	0	0	1	0
## 1338	0	1	0	0	0	0
## 1339	0	0	0	0	0	0
## 1340	297	1	0	0	1	0
## 1341	0	0	0	0	0	0

## 1342	149	0	0	0	0	0
## 1343	0	0	0	0	1	0
## 1344	215	0	0	0	0	1
## 1345	0	0	1	0	1	0
## 1346	0	0	0	0	0	0
## 1347	200	0	0	0	0	0
## 1348	0	0	0	0	1	0
## 1349	97	0	0	0	1	0
## 1350	0	1	0	0	1	0
## 1351	0	0	0	0	0	1
## 1352	0	0	0	0	1	1
## 1353	0	0	0	0	1	0
## 1354	0	0	0	0	1	1
## 1355	357	0	0	0	0	0
## 1356	158	0	0	0	1	0
## 1357	0	0	0	0	1	0
## 1358	0	0	0	0	0	0
## 1359	0	0	0	0	1	1
## 1360	433	0	0	0	0	0
## 1361	0	0	0	0	1	0
## 1362	0	0	0	0	1	0
## 1363	157	0	0	0	1	1
## 1364	0	0	0	0	0	0
## 1365	0	0	0	0	0	0
## 1366	0	0	0	0	1	1
## 1367	101	0	0	0	1	0
## 1368	149	0	0	0	0	1
## 1369	122	0	0	0	1	0
## 1370	0	0	0	0	0	0
## 1371	117	0	0	0	0	0
## 1372	222	0	0	0	1	0
## 1373	483	1	0	0	1	0
## 1374	0	1	0	0	1	0
## 1375	0	0	0	0	1	0
## 1376	0	1	0	0	0	1
## 1377	86	0	0	0	0	0
## 1378	0	0	0	0	1	0
## 1379	0	0	0	0	1	0
## 1380	0	0	0	0	1	0
## 1381	0	0	0	0	1	0
## 1382	0	0	0	0	1	0
## 1383	178	0	0	0	1	1
## 1384	230	0	1	0	1	0
## 1385	0	0	0	0	1	0
## 1386	83	0	0	0	0	1
## 1387	0	0	0	0	1	0
## 1388	0	0	0	0	1	1
## 1389	0	0	0	0	0	0
## 1390	0	0	0	0	1	0
## 1391	0	0	0	0	1	1
## 1392	0	0	0	0	0	0
## 1393	0	0	0	0	1	1
## 1394	0	0	0	0	1	0
## 1395	0	0	0	0	0	1



## 1396	305	1	0	0	0	0
## 1397	158	0	0	0	0	0
## 1398	0	0	0	0	1	0
## 1399	0	0	0	0	0	0
## 1400	0	0	0	0	1	0
## 1401	0	0	0	0	1	0
## 1402	0	0	0	0	1	0
## 1403	0	1	0	0	0	0
## 1404	154	0	1	0	0	1
## 1405	0	0	0	0	1	0
## 1406	0	1	0	1	1	1
## 1407	0	0	0	0	1	1
## 1408	294	1	0	0	1	0
## 1409	0	1	0	0	1	0
## 1410	0	0	0	0	0	0
## 1411	0	0	0	0	0	0
## 1412	176	1	0	1	1	1
## 1413	127	0	0	0	0	0
## 1414	0	0	0	0	0	0
## 1415	128	0	1	0	1	0
## 1416	212	0	0	0	1	0
## 1417	0	0	0	0	0	0
## 1418	0	0	0	0	0	0
## 1419	0	1	1	1	1	1
## 1420	0	0	0	0	0	1
## 1421	0	0	0	1	1	1
## 1422	164	0	0	0	0	0
## 1423	103	0	0	1	1	1
## 1424	0	0	0	0	0	0
## 1425	287	0	0	0	1	0
## 1426	94	0	0	0	1	1
## 1427	0	0	0	0	1	0
## 1428	119	0	0	0	1	1
## 1429	90	0	0	0	1	0
## 1430	171	0	0	0	0	0
## 1431	0	0	0	0	1	0
## 1432	0	0	0	0	0	0
## 1433	0	0	0	0	0	0
## 1434	117	0	0	0	0	1
## 1435	0	0	0	0	0	0
## 1436	0	0	0	0	1	0
## 1437	0	0	0	0	1	1
## 1438	146	0	0	0	0	0
## 1439	106	0	1	0	1	0
## 1440	0	0	0	0	0	0
## 1441	0	0	0	0	1	0
## 1442	0	0	0	0	1	0
## 1443	162	0	1	0	1	0
## 1444	0	0	0	0	1	0
## 1445	0	1	1	1	1	0
## 1446	0	0	0	0	0	0
## 1447	110	0	0	0	0	0
## 1448	0	0	0	0	1	0
## 1449	0	0	0	0	1	0

## 1450	0	0	0	0	1	0
## 1451	0	0	0	0	1	1
## 1452	201	0	0	0	1	1
## 1453	0	0	0	0	1	0
## 1454	0	0	0	0	1	1
## 1455	0	0	0	0	0	0
## 1456	0	0	0	0	0	1
## 1457	0	0	0	0	1	0
## 1458	0	0	0	0	0	1
## 1459	0	0	0	0	1	1
## 1460	0	0	0	0	0	0
## 1461	0	0	0	0	1	1
## 1462	0	0	0	0	1	0
## 1463	77	0	0	0	1	0
## 1464	174	0	0	0	1	0
## 1465	0	0	0	0	1	0
## 1466	159	0	0	0	1	0
## 1467	277	0	0	0	0	1
## 1468	0	0	0	0	0	0
## 1469	0	0	0	0	1	0
## 1470	0	0	0	0	1	0
## 1471	0	0	0	0	0	1
## 1472	0	0	0	0	1	1
## 1473	83	0	0	0	1	0
## 1474	0	0	0	0	1	0
## 1475	0	0	0	0	1	0
## 1476	268	0	0	0	0	0
## 1477	0	0	0	0	0	1
## 1478	0	0	0	0	1	1
## 1479	237	1	0	0	1	0
## 1480	102	0	0	0	0	0
## 1481	0	0	0	0	0	1
## 1482	76	0	1	0	1	0
## 1483	0	0	0	0	1	0
## 1484	0	0	1	0	1	0
## 1485	0	0	1	0	1	0
## 1486	155	0	0	0	1	0
## 1487	0	1	0	0	0	0
## 1488	0	0	0	0	1	1
## 1489	174	0	0	0	1	0
## 1490	0	0	0	0	0	0
## 1491	0	0	0	0	1	1
## 1492	0	0	0	0	1	1
## 1493	0	0	0	0	1	0
## 1494	0	0	0	0	1	1
## 1495	0	0	0	0	1	1
## 1496	147	1	0	0	1	0
## 1497	0	0	0	0	0	1
## 1498	0	0	0	0	1	0
## 1499	0	0	0	0	0	0
## 1500	0	1	0	1	1	1
## 1501	0	0	0	0	1	0
## 1502	0	0	1	0	0	1
## 1503	0	0	0	0	1	1

## 1504	0	0	0	0	0	0
## 1505	0	1	0	0	1	0
## 1506	93	0	0	0	0	1
## 1507	0	0	0	0	1	1
## 1508	0	0	0	0	0	0
## 1509	0	0	0	0	1	1
## 1510	0	0	1	0	0	1
## 1511	0	0	0	0	1	0
## 1512	0	0	0	0	0	0
## 1513	0	0	0	0	0	0
## 1514	354	0	0	0	0	0
## 1515	0	0	0	0	1	1
## 1516	0	0	0	0	1	1
## 1517	0	0	0	0	0	0
## 1518	0	0	0	0	1	0
## 1519	221	1	0	0	1	0
## 1520	90	0	0	0	1	0
## 1521	119	0	0	0	1	1
## 1522	102	0	0	0	1	0
## 1523	256	0	0	0	0	1
## 1524	0	0	0	0	1	0
## 1525	0	1	0	1	1	1
## 1526	0	0	0	0	0	0
## 1527	0	0	0	0	1	0
## 1528	195	0	0	0	0	0
## 1529	164	0	1	0	1	0
## 1530	153	0	1	0	0	0
## 1531	0	0	0	0	1	1
## 1532	0	0	0	0	1	0
## 1533	0	0	0	0	1	1
## 1534	0	0	0	0	0	0
## 1535	0	0	0	0	1	1
## 1536	0	0	0	0	1	1
## 1537	188	0	0	0	1	0
## 1538	0	0	0	0	1	0
## 1539	157	0	0	0	1	0
## 1540	119	0	0	0	0	0
## 1541	0	0	1	1	1	1
## 1542	0	0	0	0	0	0
## 1543	0	0	0	0	0	0
## 1544	0	0	0	0	1	0
## 1545	116	0	0	0	1	1
## 1546	0	0	1	0	0	0
## 1547	0	0	0	0	1	0
## 1548	194	0	0	0	0	0
## 1549	113	0	1	0	0	0
## 1550	198	0	0	0	1	0
## 1551	0	0	0	0	1	0
## 1552	238	0	0	0	0	1
## 1553	0	0	0	0	0	0
## 1554	0	0	0	0	0	0
## 1555	0	0	1	0	1	0
## 1556	104	0	0	0	1	0
## 1557	244	0	0	0	0	0

## 1558	0	0	0	0	0	0
## 1559	285	0	0	0	0	0
## 1560	115	1	0	0	1	0
## 1561	0	0	0	0	0	0
## 1562	128	0	0	0	1	0
## 1563	0	0	0	0	1	0
## 1564	121	0	1	0	0	1
## 1565	0	0	0	0	1	0
## 1566	0	0	0	0	1	0
## 1567	128	0	0	0	1	0
## 1568	0	0	0	0	1	0
## 1569	226	0	0	0	0	0
## 1570	141	0	0	0	0	0
## 1571	0	1	0	0	0	1
## 1572	0	0	0	0	0	0
## 1573	0	0	1	0	0	1
## 1574	184	0	0	1	1	1
## 1575	0	0	0	0	1	0
## 1576	0	0	0	0	1	0
## 1577	0	0	0	0	1	0
## 1578	227	1	0	0	1	0
## 1579	104	0	1	0	1	0
## 1580	0	1	0	0	0	1
## 1581	0	0	0	0	0	0
## 1582	0	0	0	0	0	1
## 1583	318	1	0	1	1	1
## 1584	342	1	0	1	1	1
## 1585	125	0	0	0	0	0
## 1586	0	0	0	0	0	0
## 1587	0	0	0	0	0	1
## 1588	0	0	1	0	1	0
## 1589	0	0	0	0	1	0
## 1590	0	1	0	0	1	0
## 1591	188	0	0	0	0	0
## 1592	0	0	0	0	1	0
## 1593	0	1	0	1	1	0
## 1594	0	0	0	0	1	0
## 1595	0	0	1	0	1	0
## 1596	110	0	1	0	1	0
## 1597	164	0	1	0	0	0
## 1598	0	0	1	0	0	1
## 1599	0	0	1	0	0	0
## 1600	266	0	0	0	1	0
## 1601	0	0	0	0	1	0
## 1602	0	0	0	0	0	0
## 1603	0	0	0	0	1	0
## 1604	86	1	0	0	1	0
## 1605	0	1	0	0	0	1
## 1606	0	0	0	0	1	0
## 1607	87	0	0	0	1	0
## 1608	0	0	0	0	0	0
## 1609	98	0	0	0	1	0
## 1610	0	0	1	1	1	1
## 1611	0	0	0	0	0	1

## 1612	0	0	0	0	0	0
## 1613	104	0	0	0	0	0
## 1614	0	0	1	0	1	0
## 1615	0	0	1	1	1	1
## 1616	0	0	0	0	0	0
## 1617	0	1	1	1	1	0
## 1618	0	0	0	0	0	0
## 1619	0	0	0	0	1	1
## 1620	0	0	0	0	1	0
## 1621	0	0	0	0	1	0
## 1622	114	0	0	0	1	0
## 1623	0	0	0	0	1	0
## 1624	455	0	0	0	0	0
## 1625	0	0	1	0	1	0
## 1626	0	0	0	0	1	0
## 1627	0	0	0	0	0	0
## 1628	0	0	0	0	1	1
## 1629	245	0	1	0	0	0
## 1630	0	1	0	0	0	0
## 1631	0	0	0	0	1	1
## 1632	0	1	1	1	0	1
## 1633	0	1	0	0	1	0
## 1634	0	0	0	0	0	0
## 1635	104	0	0	1	1	1
## 1636	0	0	0	0	0	0
## 1637	0	0	0	0	0	1
## 1638	0	1	0	0	1	0
## 1639	0	0	0	0	1	1
## 1640	0	0	1	0	1	0
## 1641	95	0	0	0	1	0
## 1642	0	1	0	0	0	0
## 1643	0	0	0	0	1	1
## 1644	0	0	0	0	1	0
## 1645	131	0	0	0	0	1
## 1646	90	0	1	0	1	0
## 1647	0	0	0	0	1	0
## 1648	0	0	0	0	0	0
## 1649	0	0	0	0	0	1
## 1650	0	0	0	0	1	0
## 1651	106	0	0	0	1	0
## 1652	0	1	0	0	1	0
## 1653	0	1	0	0	1	0
## 1654	123	0	0	0	0	1
## 1655	0	0	0	0	1	1
## 1656	0	0	0	0	0	0
## 1657	0	0	0	0	1	0
## 1658	0	0	0	0	1	0
## 1659	0	0	0	0	1	0
## 1660	106	1	0	1	1	1
## 1661	0	0	0	0	1	0
## 1662	0	0	0	0	0	1
## 1663	0	0	0	0	0	0
## 1664	0	0	1	0	1	0
## 1665	0	0	0	0	1	0

## 1666	341	0	0	0	1	1
## 1667	0	1	0	0	1	0
## 1668	91	0	0	0	0	0
## 1669	0	0	1	0	0	1
## 1670	0	0	0	0	1	1
## 1671	101	0	0	0	1	0
## 1672	0	0	0	0	1	0
## 1673	0	1	0	1	1	1
## 1674	0	0	0	0	0	1
## 1675	421	1	0	0	1	0
## 1676	0	0	1	0	1	0
## 1677	104	0	0	0	1	0
## 1678	131	0	0	0	0	0
## 1679	0	0	0	0	0	0
## 1680	0	1	1	1	1	0
## 1681	0	0	0	0	0	0
## 1682	0	0	0	0	0	0
## 1683	103	0	0	0	1	0
## 1684	0	0	0	0	0	0
## 1685	249	0	0	0	0	0
## 1686	155	0	0	0	1	0
## 1687	0	0	1	0	1	0
## 1688	0	0	0	0	1	1
## 1689	359	0	0	0	1	0
## 1690	0	0	0	0	1	1
## 1691	0	0	0	0	0	0
## 1692	0	0	0	0	0	1
## 1693	0	0	0	0	1	0
## 1694	0	0	0	0	0	0
## 1695	118	0	0	0	0	0
## 1696	0	0	0	0	1	0
## 1697	132	0	0	0	0	0
## 1698	0	0	0	0	1	1
## 1699	0	0	0	0	1	0
## 1700	0	0	0	0	0	1
## 1701	0	0	0	0	0	0
## 1702	0	0	0	0	0	0
## 1703	0	0	0	0	0	1
## 1704	0	0	0	0	1	0
## 1705	0	0	0	0	0	1
## 1706	0	0	1	0	0	1
## 1707	0	0	0	0	1	0
## 1708	0	0	0	0	0	1
## 1709	0	0	0	0	0	1
## 1710	0	0	0	0	1	1
## 1711	131	0	0	0	1	1
## 1712	158	0	0	0	1	0
## 1713	0	0	0	0	0	0
## 1714	0	0	0	0	1	0
## 1715	107	0	0	0	0	1
## 1716	0	0	0	0	1	0
## 1717	565	0	0	0	1	0
## 1718	233	0	0	0	0	0
## 1719	0	0	0	0	1	1

## 1720	0	0	0	0	1	1
## 1721	0	0	0	0	1	0
## 1722	152	0	0	0	1	0
## 1723	0	0	1	1	1	0
## 1724	0	0	0	0	1	0
## 1725	0	0	0	0	1	0
## 1726	0	0	0	0	1	0
## 1727	150	0	0	0	1	1
## 1728	0	0	0	0	0	1
## 1729	0	0	0	0	1	0
## 1730	0	0	0	0	1	0
## 1731	0	0	0	0	0	1
## 1732	0	1	0	0	1	0
## 1733	319	0	0	0	1	1
## 1734	0	0	0	0	1	0
## 1735	182	0	0	0	1	0
## 1736	0	0	0	0	1	1
## 1737	394	0	0	0	0	1
## 1738	230	0	1	0	0	0
## 1739	82	0	0	0	1	1
## 1740	0	0	1	1	1	1
## 1741	0	0	1	1	1	0
## 1742	0	0	0	0	0	0
## 1743	137	0	0	0	1	0
## 1744	109	0	0	0	1	0
## 1745	135	0	0	0	1	0
## 1746	0	0	1	0	0	1
## 1747	0	0	0	0	1	1
## 1748	89	0	0	0	0	1
## 1749	151	0	0	0	1	0
## 1750	221	0	0	0	0	0
## 1751	229	0	0	0	0	0
## 1752	0	0	0	0	0	0
## 1753	0	1	0	0	0	0
## 1754	0	0	0	0	1	0
## 1755	0	0	0	0	1	0
## 1756	0	0	0	0	1	1
## 1757	0	0	0	0	0	0
## 1758	0	0	0	0	1	1
## 1759	0	0	0	0	0	0
## 1760	0	0	0	0	0	0
## 1761	0	0	0	0	1	0
## 1762	121	0	0	0	0	1
## 1763	89	0	0	0	1	1
## 1764	0	0	0	0	0	1
## 1765	0	0	0	0	1	0
## 1766	154	0	0	0	0	0
## 1767	0	0	1	0	0	0
## 1768	0	0	0	0	1	0
## 1769	84	1	0	0	0	0
## 1770	0	0	0	0	0	0
## 1771	94	0	0	0	0	0
## 1772	0	0	0	0	1	0
## 1773	119	0	0	0	0	0

## 1774	0	0	0	0	0	0
## 1775	0	0	0	0	0	1
## 1776	117	0	0	0	0	0
## 1777	151	0	0	0	1	0
## 1778	114	0	0	0	1	1
## 1779	0	0	0	0	0	0
## 1780	0	0	0	0	1	0
## 1781	267	0	0	0	1	0
## 1782	0	0	0	0	0	1
## 1783	181	0	0	0	0	1
## 1784	601	0	0	0	1	0
## 1785	0	1	1	1	0	0
## 1786	0	0	0	0	1	0
## 1787	0	0	0	0	0	0
## 1788	0	0	1	1	1	1
## 1789	0	0	0	0	1	0
## 1790	567	1	0	1	1	1
## 1791	0	0	1	0	0	1
## 1792	0	0	0	1	1	1
## 1793	0	0	0	1	1	1
## 1794	0	1	0	0	1	0
## 1795	0	1	0	0	0	0
## 1796	0	0	0	0	0	1
## 1797	0	0	0	0	1	0
## 1798	0	0	0	0	1	1
## 1799	0	1	0	0	1	0
## 1800	100	0	0	0	1	0
## 1801	181	0	1	1	1	1
## 1802	0	0	0	0	0	0
## 1803	0	0	0	0	0	0
## 1804	0	0	0	0	1	0
## 1805	0	0	1	0	1	0
## 1806	114	0	0	0	1	0
## 1807	0	0	0	0	0	0
## 1808	0	0	0	0	0	0
## 1809	0	0	0	0	1	0
## 1810	0	0	1	0	1	0
## 1811	0	0	0	0	1	0
## 1812	0	0	0	0	0	0
## 1813	0	0	0	0	1	0
## 1814	0	0	0	0	1	1
## 1815	0	0	0	0	1	0
## 1816	0	0	1	1	1	1
## 1817	0	0	1	0	1	0
## 1818	0	0	0	0	0	1
## 1819	0	0	0	0	1	0
## 1820	231	0	0	0	1	0
## 1821	148	0	0	0	1	0
## 1822	0	0	1	0	1	0
## 1823	86	1	1	1	1	0
## 1824	0	0	0	0	1	1
## 1825	0	1	0	0	0	1
## 1826	0	1	1	0	0	0
## 1827	171	0	0	0	0	0



## 1828	352	0	0	0	0	1
## 1829	0	0	0	0	0	0
## 1830	0	0	0	0	1	0
## 1831	221	0	0	0	0	0
## 1832	115	0	0	0	1	1
## 1833	0	0	1	0	1	0
## 1834	0	1	0	0	0	0
## 1835	118	0	0	0	0	0
## 1836	284	0	0	0	1	1
## 1837	0	0	0	0	0	0
## 1838	180	0	0	0	1	1
## 1839	0	0	0	0	1	0
## 1840	0	0	0	0	1	1
## 1841	88	0	0	0	0	0
## 1842	199	0	0	0	1	1
## 1843	256	0	0	0	1	0
## 1844	0	0	0	0	0	0
## 1845	0	0	0	0	0	1
## 1846	0	0	0	0	1	0
## 1847	0	0	0	0	1	0
## 1848	159	0	0	0	0	0
## 1849	0	0	1	1	1	1
## 1850	0	0	0	0	1	0
## 1851	97	0	0	0	1	0
## 1852	0	0	0	0	0	1
## 1853	167	0	0	0	0	0
## 1854	97	0	0	0	1	0
## 1855	0	0	0	0	1	0
## 1856	0	0	0	0	1	1
## 1857	0	0	0	0	1	0
## 1858	0	0	0	0	0	1
## 1859	240	0	0	0	1	0
## 1860	80	0	0	0	0	0
## 1861	142	1	0	0	1	0
## 1862	0	0	1	1	1	1
## 1863	0	0	0	0	1	0
## 1864	112	0	0	0	1	0
## 1865	0	0	0	0	0	0
## 1866	0	0	1	0	0	0
## 1867	334	0	0	0	1	0
## 1868	0	0	0	0	0	0
## 1869	0	0	0	0	1	1
## 1870	0	0	0	0	1	0
## 1871	0	1	0	0	0	0
## 1872	268	0	0	0	0	0
## 1873	0	0	0	0	0	0
## 1874	80	0	0	0	1	0
## 1875	218	0	0	0	1	1
## 1876	389	0	1	0	1	0
## 1877	0	0	0	0	0	0
## 1878	0	0	0	0	1	0
## 1879	159	0	1	0	1	0
## 1880	0	0	0	0	0	0
## 1881	89	0	0	0	1	0

## 1882	0	0	0	0	0	0
## 1883	342	1	0	1	1	1
## 1884	0	0	0	0	0	0
## 1885	0	0	0	0	1	0
## 1886	104	0	0	1	1	1
## 1887	0	0	0	0	0	0
## 1888	0	0	0	1	1	1
## 1889	0	0	0	0	1	0
## 1890	372	1	1	1	1	0
## 1891	0	0	0	0	0	0
## 1892	0	0	0	0	0	0
## 1893	0	0	0	0	0	1
## 1894	101	0	1	0	0	0
## 1895	0	0	0	0	1	1
## 1896	0	0	0	0	1	0
## 1897	0	0	1	0	0	1
## 1898	0	0	0	0	0	0
## 1899	0	0	0	0	1	0
## 1900	0	0	0	0	1	0
## 1901	0	0	0	0	1	0
## 1902	0	0	1	0	1	0
## 1903	107	0	0	0	1	1
## 1904	0	0	0	0	0	0
## 1905	0	0	0	0	1	0
## 1906	241	0	0	0	1	0
## 1907	275	0	0	0	1	0
## 1908	0	0	0	0	0	0
## 1909	112	0	0	0	1	0
## 1910	0	0	0	0	0	1
## 1911	112	0	0	0	0	0
## 1912	0	0	0	0	0	0
## 1913	0	1	1	1	1	0
## 1914	198	1	0	0	1	0
## 1915	186	0	0	0	1	0
## 1916	0	0	1	0	0	0
## 1917	0	0	0	0	1	0
## 1918	142	0	0	0	0	0
## 1919	246	1	0	1	1	1
## 1920	120	0	0	0	0	1
## 1921	0	0	0	0	0	0
## 1922	245	0	0	0	1	1
## 1923	0	0	0	0	0	0
## 1924	0	0	0	0	1	0
## 1925	0	0	0	0	0	0
## 1926	218	0	0	0	1	0
## 1927	0	0	0	0	1	0
## 1928	0	0	0	0	0	0
## 1929	0	0	0	0	1	0
## 1930	0	0	0	0	1	0
## 1931	0	0	0	0	1	0
## 1932	0	0	0	0	1	0
## 1933	185	0	0	0	0	0
## 1934	0	0	0	0	1	0
## 1935	0	0	0	0	1	1

## 1936	0	1	0	1	1	1
## 1937	0	0	0	0	1	0
## 1938	589	1	1	1	1	0
## 1939	0	0	0	0	1	0
## 1940	0	0	0	0	1	0
## 1941	0	0	0	0	1	0
## 1942	0	0	0	0	1	0
## 1943	0	0	0	0	1	0
## 1944	0	0	0	0	0	0
## 1945	83	0	0	1	1	1
## 1946	151	0	1	0	1	0
## 1947	0	0	0	0	1	1
## 1948	231	0	0	0	1	0
## 1949	86	0	0	0	0	0
## 1950	0	0	0	0	0	0
## 1951	0	0	0	0	0	0
## 1952	0	0	0	0	1	1
## 1953	0	0	0	0	1	0
## 1954	83	0	0	0	1	0
## 1955	277	0	0	0	1	0
## 1956	0	0	0	0	1	0
## 1957	184	0	0	0	0	0
## 1958	0	0	0	0	1	0
## 1959	0	0	0	0	1	1
## 1960	0	0	0	0	0	0
## 1961	0	0	0	0	1	0
## 1962	0	0	0	0	0	0
## 1963	0	0	0	0	0	0
## 1964	0	0	0	0	0	1
## 1965	111	0	0	0	0	1
## 1966	0	0	0	0	1	0
## 1967	0	0	0	0	0	0
## 1968	108	0	0	0	0	1
## 1969	0	0	0	0	1	0
## 1970	0	0	0	0	1	1
## 1971	397	0	0	0	1	1
## 1972	203	0	0	0	0	1
## 1973	0	0	0	0	1	0
## 1974	78	0	0	0	0	0
## 1975	242	0	0	0	0	0
## 1976	0	0	0	0	1	1
## 1977	0	0	0	0	1	0
## 1978	0	0	0	0	1	1
## 1979	0	0	1	0	1	0
## 1980	0	0	0	0	0	0
## 1981	0	0	0	0	1	0
## 1982	0	0	0	0	1	0
## 1983	110	0	0	0	1	0
## 1984	0	0	0	0	0	0
## 1985	175	0	0	0	1	0
## 1986	79	0	0	0	0	0
## 1987	0	0	0	0	0	0
## 1988	0	0	1	1	1	1
## 1989	120	0	0	0	1	0

## 1990	0	0	1	0	0	0
## 1991	76	0	0	0	1	1
## 1992	0	0	0	0	0	0
## 1993	0	0	0	0	0	1
## 1994	0	0	0	0	0	0
## 1995	0	0	0	0	0	0
## 1996	0	0	0	0	0	0
## 1997	0	0	0	0	0	0
## 1998	0	0	0	0	1	0
## 1999	0	1	0	0	0	0
## 2000	0	0	0	0	1	0
## 2001	0	0	0	0	1	0
## 2002	0	1	0	0	0	1
## 2003	359	1	0	0	0	0
## 2004	0	0	0	0	1	1
## 2005	143	0	0	0	0	0
## 2006	0	1	0	1	1	1
## 2007	0	0	0	1	1	1
## 2008	0	0	0	0	1	1
## 2009	125	0	0	0	1	0
## 2010	323	0	0	0	0	0
## 2011	0	0	0	0	0	0
## 2012	0	0	0	0	1	0
## 2013	0	0	0	0	1	1
## 2014	113	0	0	0	1	0
## 2015	167	1	0	1	0	1
## 2016	0	0	0	0	1	0
## 2017	218	0	0	0	0	0
## 2018	0	0	1	0	0	0
## 2019	0	0	0	0	1	1
## 2020	0	0	1	1	1	0
## 2021	0	0	1	0	0	0
## 2022	0	1	0	0	1	0
## 2023	236	0	0	0	0	0
## 2024	151	0	0	0	1	0
## 2025	0	1	0	0	0	0
## 2026	185	0	1	0	0	0
## 2027	0	0	0	0	1	0
## 2028	380	0	0	0	0	0
## 2029	0	0	0	0	0	0
## 2030	0	0	0	0	1	0
## 2031	207	0	1	1	1	1
## 2032	0	0	0	0	1	0
## 2033	0	0	1	0	0	1
## 2034	0	0	0	0	1	1
## 2035	329	0	0	0	0	0
## 2036	0	0	0	0	1	1
## 2037	0	0	0	0	1	0
## 2038	0	0	0	0	0	1
## 2039	0	0	0	0	1	1
## 2040	0	0	0	0	1	0
## 2041	0	0	0	0	0	0
## 2042	535	1	0	0	0	0
## 2043	0	0	0	0	1	0

## 2044	0	0	0	0	1	1
## 2045	0	0	0	0	1	0
## 2046	107	0	0	0	1	0
## 2047	0	1	0	1	1	1
## 2048	0	1	0	0	0	1
## 2049	0	0	0	0	1	1
## 2050	0	0	0	0	1	0
## 2051	98	0	0	0	0	0
## 2052	0	0	0	0	0	0
## 2053	170	0	0	0	0	0
## 2054	161	0	1	1	1	1
## 2055	0	0	0	0	0	0
## 2056	0	0	0	0	1	0
## 2057	83	0	0	0	0	1
## 2058	0	0	0	0	1	1
## 2059	0	0	0	0	0	0
## 2060	222	0	0	0	1	0
## 2061	0	0	0	0	1	1
## 2062	111	1	0	0	0	0
## 2063	219	0	0	1	1	1
## 2064	0	0	0	0	1	0
## 2065	0	0	0	0	0	1
## 2066	0	0	0	0	1	1
## 2067	0	0	0	0	0	1
## 2068	0	0	0	0	0	1
## 2069	0	0	0	0	1	0
## 2070	0	0	0	0	1	1
## 2071	0	0	0	0	0	0
## 2072	0	0	0	0	1	0
## 2073	137	0	0	0	1	1
## 2074	154	0	0	0	1	1
## 2075	293	0	0	0	0	1
## 2076	0	0	0	0	0	0
## 2077	398	0	0	0	0	0
## 2078	0	1	0	0	0	1
## 2079	0	0	0	0	0	0
## 2080	0	0	0	0	1	0
## 2081	0	0	0	0	1	0
## 2082	0	0	0	0	0	0
## 2083	0	0	0	0	1	0
## 2084	0	0	0	0	1	0
## 2085	101	0	1	0	1	0
## 2086	117	0	0	0	1	0
## 2087	0	0	0	0	1	1
## 2088	343	1	0	0	1	0
## 2089	151	0	1	0	0	0
## 2090	0	0	0	0	1	0
## 2091	307	0	0	0	0	1
## 2092	0	0	1	0	1	0
## 2093	84	0	0	0	1	0
## 2094	0	0	0	0	1	1
## 2095	208	0	0	0	0	1
## 2096	0	1	0	0	0	0
## 2097	93	0	0	0	0	0

## 2098	113	0	0	0	1	0
## 2099	272	0	0	0	0	0
## 2100	0	0	0	0	0	0
## 2101	84	0	0	0	1	0
## 2102	0	1	0	0	0	0
## 2103	0	0	0	0	1	1
## 2104	0	0	0	0	1	1
## 2105	0	0	0	0	1	0
## 2106	0	0	0	0	1	1
## 2107	0	0	0	0	0	0
## 2108	229	0	0	0	0	0
## 2109	0	0	1	0	1	0
## 2110	0	1	0	0	0	0
## 2111	0	0	0	0	0	0
## 2112	0	0	0	0	1	0
## 2113	120	0	0	0	1	0
## 2114	0	0	0	0	1	0
## 2115	0	0	0	0	1	0
## 2116	0	0	0	0	0	0
## 2117	0	0	0	0	0	0
## 2118	0	0	0	0	1	0
## 2119	0	0	0	0	1	1
## 2120	0	0	0	0	0	0
## 2121	0	0	0	0	1	0
## 2122	180	0	0	0	0	1
## 2123	119	0	0	0	0	1
## 2124	0	0	0	0	1	0
## 2125	89	0	0	0	0	0
## 2126	101	0	0	0	1	0
## 2127	141	0	0	0	0	0
## 2128	0	0	0	0	0	0
## 2129	0	0	0	0	0	0
## 2130	232	0	0	0	0	0
## 2131	0	0	0	0	0	1
## 2132	0	0	0	0	0	0
## 2133	0	0	0	0	0	1
## 2134	176	0	0	0	1	0
## 2135	120	0	0	0	1	1
## 2136	0	0	1	0	0	0
## 2137	0	1	0	0	0	1
## 2138	247	0	0	0	1	0
## 2139	166	0	1	0	0	0
## 2140	0	0	0	0	1	0
## 2141	0	0	1	0	1	0
## 2142	0	0	0	0	0	0
## 2143	0	0	0	0	1	0
## 2144	109	0	0	0	0	0
## 2145	0	1	1	1	1	0
## 2146	0	0	0	0	1	1
## 2147	80	0	0	0	0	0
## 2148	0	0	0	0	0	0
## 2149	0	0	0	0	0	0
## 2150	193	0	0	0	0	0
## 2151	0	0	1	0	0	1

## 2152	105	0	0	0	0	0
## 2153	128	0	0	0	1	0
## 2154	0	0	0	0	1	0
## 2155	0	0	0	0	0	0
## 2156	0	0	0	0	1	0
## 2157	0	0	0	0	1	1
## 2158	78	0	1	0	0	0
## 2159	0	1	0	0	0	1
## 2160	255	1	0	0	0	1
## 2161	0	0	0	0	0	0
## 2162	95	0	0	0	1	1
## 2163	155	0	0	0	1	0
## 2164	0	0	0	0	1	0
## 2165	184	0	1	0	1	0
## 2166	154	0	0	0	1	0
## 2167	0	0	0	0	1	1
## 2168	0	0	0	0	1	0
## 2169	0	0	0	0	1	0
## 2170	0	0	0	0	1	1
## 2171	0	0	1	0	0	1
## 2172	0	0	0	0	1	0
## 2173	219	0	0	0	0	0
## 2174	164	0	0	0	0	0
## 2175	0	0	0	0	1	0
## 2176	0	0	0	0	0	0
## 2177	0	0	0	0	1	0
## 2178	0	0	0	0	1	0
## 2179	0	1	0	1	1	1
## 2180	0	0	0	0	0	0
## 2181	0	0	0	0	1	0
## 2182	105	0	0	0	1	0
## 2183	0	0	0	0	0	0
## 2184	0	0	0	0	1	1
## 2185	0	1	0	0	0	0
## 2186	0	0	0	0	1	1
## 2187	0	0	0	0	1	0
## 2188	0	0	0	0	0	0
## 2189	86	0	0	0	1	1
## 2190	0	0	0	0	1	1
## 2191	294	0	1	0	0	1
## 2192	0	0	0	0	1	0
## 2193	95	0	0	0	0	1
## 2194	102	0	0	0	1	0
## 2195	0	1	0	0	1	0
## 2196	83	0	0	0	1	0
## 2197	0	1	0	0	1	0
## 2198	0	0	0	0	1	0
## 2199	0	0	0	0	1	0
## 2200	98	0	0	0	0	1
## 2201	0	0	0	0	0	0
## 2202	0	0	0	0	0	0
## 2203	0	0	0	0	1	0
## 2204	311	0	0	0	0	0
## 2205	76	0	0	0	0	0

## 2206	0	0	0	0	0	0
## 2207	207	0	0	0	0	0
## 2208	158	1	0	0	1	0
## 2209	185	0	1	0	1	0
## 2210	0	0	0	0	0	0
## 2211	0	0	0	0	0	0
## 2212	94	0	0	0	1	1
## 2213	0	0	0	0	1	0
## 2214	0	0	0	0	0	0
## 2215	146	0	0	0	1	1
## 2216	0	1	0	0	1	0
## 2217	0	0	0	0	0	0
## 2218	446	1	0	1	1	0
## 2219	0	0	0	0	0	0
## 2220	223	0	0	0	1	0
## 2221	0	0	0	0	1	0
## 2222	0	0	0	0	1	1
## 2223	0	0	0	0	1	0
## 2224	0	0	1	0	0	0
## 2225	0	0	0	0	1	0
## 2226	115	0	0	0	0	0
## 2227	0	0	0	0	1	0
## 2228	0	0	0	0	1	1
## 2229	0	0	0	0	1	0
## 2230	149	0	0	0	1	1
## 2231	0	1	0	1	1	1
## 2232	146	0	1	0	1	0
## 2233	262	0	0	0	1	0
## 2234	0	0	0	0	1	0
## 2235	0	0	0	0	1	0
## 2236	0	0	0	0	1	1
## 2237	0	0	0	0	1	0
## 2238	0	0	0	0	1	1
## 2239	0	0	0	0	1	0
## 2240	0	0	1	0	0	0
## 2241	167	0	1	0	0	0
## 2242	94	0	0	0	1	0
## 2243	172	0	1	0	1	0
## 2244	150	0	0	0	1	1
## 2245	120	0	0	0	0	0
## 2246	0	0	0	0	0	1
## 2247	266	1	0	0	0	0
## 2248	103	0	0	0	0	0
## 2249	97	0	0	0	1	0
## 2250	150	0	0	0	1	0
## 2251	0	0	0	0	1	0
## 2252	0	0	0	0	0	0
## 2253	0	0	0	0	1	0
## 2254	75	0	0	0	1	0
## 2255	109	0	0	0	0	0
## 2256	0	0	0	0	1	0
## 2257	76	0	0	1	1	1
## 2258	0	0	0	0	0	0
## 2259	0	0	0	0	0	0



## 2260	0	0	0	0	1	0
## 2261	92	0	0	0	0	0
## 2262	0	1	0	0	1	0
## 2263	0	1	0	0	0	1
## 2264	0	0	0	0	1	0
## 2265	0	0	0	0	1	0
## 2266	0	0	0	0	0	0
## 2267	0	0	0	0	0	0
## 2268	0	1	0	0	0	0
## 2269	0	1	1	0	0	0
## 2270	0	0	0	0	1	0
## 2271	0	0	0	0	1	0
## 2272	0	0	0	0	1	1
## 2273	0	0	0	0	1	0
## 2274	0	0	0	0	1	1
## 2275	0	0	0	0	1	0
## 2276	0	0	0	0	1	0
## 2277	0	1	0	0	0	0
## 2278	0	0	0	0	0	0
## 2279	0	0	0	0	1	0
## 2280	0	0	0	1	1	1
## 2281	132	0	0	0	0	0
## 2282	0	0	0	0	1	1
## 2283	0	0	0	0	1	1
## 2284	0	0	0	0	0	0
## 2285	0	0	0	0	1	1
## 2286	0	1	0	0	1	0
## 2287	128	0	0	0	1	0
## 2288	90	0	0	0	1	0
## 2289	0	0	0	0	1	0
## 2290	95	0	0	0	0	0
## 2291	0	0	0	0	1	0
## 2292	323	0	0	0	0	0
## 2293	0	1	0	0	0	0
## 2294	0	0	0	0	1	0
## 2295	0	0	0	0	0	0
## 2296	87	0	0	0	1	0
## 2297	0	0	0	0	0	1
## 2298	0	0	0	0	1	1
## 2299	0	0	0	0	0	1
## 2300	91	0	0	0	0	0
## 2301	0	0	0	0	0	0
## 2302	0	0	0	0	0	0
## 2303	0	0	0	0	0	1
## 2304	0	0	0	0	1	1
## 2305	0	1	0	0	1	0
## 2306	0	0	0	1	1	1
## 2307	0	0	0	0	0	0
## 2308	0	0	0	0	1	0
## 2309	0	0	0	0	1	0
## 2310	81	0	0	0	1	0
## 2311	0	0	0	0	0	0
## 2312	0	0	0	0	1	1
## 2313	0	0	0	0	1	0

## 2314	0	0	0	0	1	1
## 2315	0	0	1	0	1	0
## 2316	0	1	0	0	1	0
## 2317	0	0	0	0	1	0
## 2318	319	1	1	1	0	1
## 2319	112	0	0	0	1	0
## 2320	422	0	0	0	1	0
## 2321	0	0	0	0	1	0
## 2322	0	0	0	0	0	0
## 2323	0	0	0	0	1	0
## 2324	315	0	0	0	0	0
## 2325	114	0	0	0	1	0
## 2326	0	0	0	0	0	0
## 2327	0	0	0	0	0	0
## 2328	0	0	1	0	1	0
## 2329	192	1	0	0	1	0
## 2330	0	0	0	0	1	0
## 2331	242	0	0	0	1	1
## 2332	0	0	0	0	0	0
## 2333	0	0	0	0	1	1
## 2334	0	0	1	1	1	1
## 2335	0	0	0	0	0	0
## 2336	0	0	0	0	0	0
## 2337	217	0	0	0	0	0
## 2338	0	1	0	0	0	1
## 2339	0	0	0	0	0	1
## 2340	0	0	0	0	0	0
## 2341	0	0	0	0	0	0
## 2342	289	0	0	0	1	0
## 2343	310	0	0	0	1	0
## 2344	168	0	0	0	1	1
## 2345	102	0	0	0	1	1
## 2346	299	1	0	1	1	0
## 2347	239	0	0	0	0	1
## 2348	87	0	0	0	0	1
## 2349	0	0	0	0	1	1
## 2350	76	0	1	1	1	0
## 2351	0	0	0	0	1	1
## 2352	0	0	0	0	1	1
## 2353	0	0	0	0	0	0
## 2354	0	0	0	0	1	1
## 2355	0	0	0	0	1	0
## 2356	0	0	0	0	1	1
## 2357	0	1	0	1	1	1
## 2358	0	0	0	0	0	0
## 2359	0	0	1	0	1	0
## 2360	0	1	0	1	1	1
## 2361	0	0	0	0	0	0
## 2362	0	1	1	1	1	0
## 2363	0	0	0	0	1	0
## 2364	90	0	0	0	1	0
## 2365	0	0	0	0	0	1
## 2366	0	0	0	0	0	0
## 2367	0	0	1	0	1	0

## 2368	0	0	0	0	1	1
## 2369	0	0	0	0	1	1
## 2370	93	0	0	0	1	0
## 2371	0	0	0	0	0	1
## 2372	0	0	0	0	0	0
## 2373	153	0	0	0	1	1
## 2374	0	1	0	0	0	0
## 2375	112	0	1	0	1	0
## 2376	0	0	1	1	1	1
## 2377	0	0	0	0	0	0
## 2378	0	0	0	0	0	0
## 2379	251	0	1	1	1	0
## 2380	182	0	0	0	1	0
## 2381	0	0	0	0	0	0
## 2382	0	0	0	0	1	0
## 2383	428	1	0	0	0	1
## 2384	0	0	0	0	1	1
## 2385	0	0	0	0	1	0
## 2386	0	1	0	0	0	0
## 2387	0	0	0	0	1	0
## 2388	0	0	0	0	0	1
## 2389	0	0	1	0	0	0
## 2390	0	0	0	0	0	1
## 2391	108	0	0	0	1	0
## 2392	0	1	0	0	1	0
## 2393	0	0	0	0	0	1
## 2394	0	0	0	0	1	1
## 2395	505	0	0	0	0	0
## 2396	0	0	0	0	0	1
## 2397	142	0	0	0	0	1
## 2398	309	0	0	0	1	0
## 2399	217	0	1	0	0	1
## 2400	154	0	1	0	1	0
## 2401	106	1	0	1	1	1
## 2402	0	0	0	0	1	0
## 2403	95	0	0	0	0	0
## 2404	0	1	0	0	0	0
## 2405	0	0	0	0	1	0
## 2406	78	0	1	0	1	0
## 2407	81	0	0	0	1	0
## 2408	0	0	0	0	1	0
## 2409	203	0	0	0	1	0
## 2410	219	0	0	0	1	0
## 2411	0	0	0	0	0	1
## 2412	0	0	0	0	1	0
## 2413	148	0	0	0	0	0
## 2414	0	0	0	0	0	0
## 2415	0	0	0	0	0	0
## 2416	106	0	0	0	1	1
## 2417	80	0	0	0	1	0
## 2418	0	0	0	0	1	1
## 2419	0	0	0	0	0	1
## 2420	0	0	0	0	1	0
## 2421	118	0	0	0	0	1

## 2422	0	0	0	0	1	0
## 2423	400	0	0	0	0	0
## 2424	0	0	0	0	1	0
## 2425	0	0	0	0	0	0
## 2426	0	0	0	0	1	1
## 2427	197	0	0	0	0	0
## 2428	0	0	0	0	1	0
## 2429	301	1	0	0	0	1
## 2430	0	0	0	0	1	1
## 2431	0	0	0	0	1	0
## 2432	0	0	0	0	1	0
## 2433	0	0	0	0	0	1
## 2434	0	1	1	1	1	0
## 2435	267	0	0	0	1	0
## 2436	0	0	0	0	1	0
## 2437	0	0	0	0	1	0
## 2438	0	0	0	0	0	1
## 2439	0	0	0	0	0	1
## 2440	144	0	0	0	0	1
## 2441	0	0	0	0	0	0
## 2442	186	0	0	0	1	1
## 2443	0	0	0	0	0	0
## 2444	422	1	0	1	1	1
## 2445	0	0	0	0	1	1
## 2446	0	0	0	0	1	0
## 2447	218	0	0	0	1	0
## 2448	0	0	0	0	1	1
## 2449	0	0	0	0	1	1
## 2450	0	0	0	0	1	0
## 2451	0	0	0	0	0	0
## 2452	208	0	0	0	1	1
## 2453	0	0	0	0	1	0
## 2454	0	0	0	0	1	0
## 2455	0	0	0	0	0	0
## 2456	0	1	0	0	1	0
## 2457	0	0	0	0	0	1
## 2458	85	0	0	0	1	1
## 2459	0	0	0	0	1	1
## 2460	0	0	0	0	1	1
## 2461	130	0	0	0	1	0
## 2462	0	0	0	0	1	0
## 2463	0	0	0	0	1	0
## 2464	0	0	0	0	1	0
## 2465	165	0	0	0	1	0
## 2466	123	0	0	0	1	0
## 2467	0	0	0	0	1	0
## 2468	230	0	1	0	1	0
## 2469	0	0	0	0	1	1
## 2470	307	0	0	0	0	1
## 2471	187	0	0	1	1	1
## 2472	85	0	0	0	1	0
## 2473	0	0	0	0	0	0
## 2474	147	0	0	0	0	0
## 2475	0	0	0	0	0	0

## 2476	183	0	0	0	0	0
## 2477	0	0	0	0	1	0
## 2478	0	1	0	0	1	0
## 2479	0	0	0	0	0	0
## 2480	0	0	0	0	1	0
## 2481	0	0	0	0	0	0
## 2482	0	0	0	0	0	0
## 2483	0	0	0	0	0	1
## 2484	0	0	1	0	0	0
## 2485	112	0	1	0	0	0
## 2486	0	0	0	0	0	1
## 2487	257	0	0	0	0	0
## 2488	0	0	1	0	1	0
## 2489	0	0	0	0	1	0
## 2490	0	0	0	0	1	0
## 2491	118	1	0	0	1	0
## 2492	0	0	0	0	1	0
## 2493	0	0	0	0	1	0
## 2494	0	0	0	0	0	0
## 2495	0	0	0	0	1	0
## 2496	212	0	0	0	0	1
## 2497	141	0	0	0	0	0
## 2498	114	0	0	0	0	0
## 2499	326	0	0	0	0	0
## 2500	144	0	1	0	1	0
## 2501	341	0	0	0	1	0
## 2502	0	0	0	0	1	0
## 2503	0	1	0	0	1	0
## 2504	79	0	0	0	1	1
## 2505	229	0	0	0	0	1
## 2506	0	0	0	0	0	0
## 2507	0	0	0	0	1	1
## 2508	234	0	0	0	1	1
## 2509	0	0	1	0	1	0
## 2510	81	0	0	0	0	1
## 2511	0	0	0	0	1	1
## 2512	0	1	0	1	1	1
## 2513	298	0	0	0	1	0
## 2514	0	0	0	0	0	0
## 2515	91	0	1	0	0	0
## 2516	156	0	0	0	1	0
## 2517	0	0	0	0	0	0
## 2518	0	0	0	0	0	1
## 2519	0	0	0	0	0	1
## 2520	0	0	0	0	1	1
## 2521	113	0	0	0	1	0
## 2522	0	0	0	0	1	1
## 2523	0	0	0	0	1	0
## 2524	0	0	0	0	0	0
## 2525	0	0	0	0	1	0
## 2526	0	0	0	0	1	1
## 2527	0	0	0	0	0	0
## 2528	0	0	0	0	0	0
## 2529	0	0	0	0	0	1

## 2530	0	0	0	0	1	1
## 2531	0	0	0	0	1	0
## 2532	107	0	0	0	1	0
## 2533	106	0	0	0	0	1
## 2534	0	1	0	0	1	0
## 2535	0	0	0	0	1	0
## 2536	129	0	0	0	0	0
## 2537	0	1	0	0	1	0
## 2538	0	0	0	0	1	0
## 2539	297	0	0	0	1	1
## 2540	171	1	1	1	0	0
## 2541	153	0	0	0	1	0
## 2542	569	1	0	0	1	0
## 2543	0	0	0	0	1	0
## 2544	0	0	0	0	0	0
## 2545	0	1	0	0	0	0
## 2546	0	0	0	0	1	0
## 2547	0	0	1	0	0	0
## 2548	90	0	0	0	1	0
## 2549	0	0	0	0	1	0
## 2550	79	0	0	0	0	1
## 2551	102	0	0	0	1	0
## 2552	0	0	1	1	1	1
## 2553	0	0	0	0	0	0
## 2554	151	0	0	0	0	0
## 2555	0	0	0	0	0	0
## 2556	0	0	0	0	0	0
## 2557	103	0	0	0	1	0
## 2558	0	0	0	0	1	0
## 2559	0	0	0	0	1	0
## 2560	0	0	0	0	1	0
## 2561	0	0	0	0	1	0
## 2562	144	1	1	0	0	0
## 2563	184	0	0	0	0	1
## 2564	0	0	0	0	0	1
## 2565	0	0	0	0	1	0
## 2566	102	0	0	0	1	0
## 2567	184	0	0	0	0	0
## 2568	0	0	0	0	0	1
## 2569	0	0	0	0	1	0
## 2570	0	0	0	0	0	0
## 2571	207	0	0	0	1	0
## 2572	89	0	0	0	0	0
## 2573	140	0	0	0	1	1
## 2574	0	0	0	0	1	1
## 2575	100	0	0	0	1	0
## 2576	0	0	0	0	1	0
## 2577	118	0	0	0	1	1
## 2578	190	0	0	0	1	0
## 2579	0	0	0	0	0	1
## 2580	0	0	0	0	0	0
## 2581	0	0	0	0	0	0
## 2582	0	0	0	0	1	0
## 2583	0	0	0	0	1	0

## 2584	185	0	0	0	1	1
## 2585	0	1	0	0	1	0
## 2586	0	0	0	0	1	1
## 2587	0	1	0	0	0	1
## 2588	0	0	0	0	1	0
## 2589	0	0	0	0	0	0
## 2590	0	0	0	0	1	1
## 2591	374	1	0	1	1	1
## 2592	0	0	0	0	0	0
## 2593	245	0	0	0	0	0
## 2594	310	1	0	0	0	0
## 2595	0	0	0	0	0	0
## 2596	0	0	0	0	0	0
## 2597	0	0	0	0	0	0
## 2598	0	0	0	0	0	0
## 2599	0	0	0	0	1	0
## 2600	0	0	0	0	0	1
## 2601	0	0	0	0	0	0
## 2602	167	0	0	0	0	0
## 2603	0	1	0	1	1	1
## 2604	0	0	0	0	1	0
## 2605	0	0	0	0	0	0
## 2606	0	0	0	0	1	0
## 2607	216	0	0	0	1	0
## 2608	214	0	1	1	1	1
## 2609	194	0	0	0	1	1
## 2610	0	0	1	0	0	0
## 2611	0	0	0	0	0	0
## 2612	0	0	0	0	1	0
## 2613	131	0	0	0	0	0
## 2614	204	1	1	1	1	0
## 2615	0	1	1	0	0	0
## 2616	191	0	0	0	1	1
## 2617	103	0	0	0	1	0
## 2618	0	0	0	0	1	0
## 2619	145	0	0	0	1	0
## 2620	98	0	0	0	0	1
## 2621	0	0	0	0	0	0
## 2622	0	0	0	0	0	0
## 2623	0	0	0	0	1	0
## 2624	0	1	1	1	0	1
## 2625	0	0	0	0	0	0
## 2626	0	0	0	0	1	0
## 2627	0	0	0	0	1	0
## 2628	193	0	0	0	1	0
## 2629	0	0	1	0	1	0
## 2630	0	0	0	0	1	0
## 2631	0	0	0	0	1	1
## 2632	0	0	0	0	1	0
## 2633	248	0	0	0	1	0
## 2634	106	0	0	0	1	0
## 2635	194	0	0	0	0	0
## 2636	89	0	0	0	1	0
## 2637	0	0	0	0	1	0

## 2638	0	0	0	0	1	0
## 2639	0	0	0	0	1	0
## 2640	0	0	0	0	1	0
## 2641	0	0	0	0	1	0
## 2642	212	0	0	0	1	0
## 2643	0	0	0	0	1	0
## 2644	86	0	0	0	1	1
## 2645	0	0	0	0	0	0
## 2646	0	0	0	0	1	0
## 2647	123	1	0	0	0	0
## 2648	0	0	0	0	1	0
## 2649	0	0	0	0	0	0
## 2650	0	0	0	0	1	0
## 2651	226	0	0	0	0	0
## 2652	0	0	0	0	0	0
## 2653	180	0	0	0	1	0
## 2654	408	0	0	0	1	0
## 2655	204	0	1	0	1	0
## 2656	78	0	1	0	1	0
## 2657	0	0	0	0	0	0
## 2658	0	0	0	0	1	0
## 2659	109	0	0	0	0	0
## 2660	175	0	0	0	0	0
## 2661	144	0	1	0	1	0
## 2662	0	0	0	0	1	0
## 2663	0	0	0	0	0	0
## 2664	0	0	0	0	0	0
## 2665	352	1	0	0	1	0
## 2666	0	0	0	0	0	0
## 2667	0	0	0	0	1	0
## 2668	0	0	0	0	1	0
## 2669	406	0	0	0	1	0
## 2670	0	0	1	0	0	1
## 2671	0	0	0	0	0	0
## 2672	0	0	0	0	0	0
## 2673	0	1	0	0	0	0
## 2674	122	0	0	0	1	0
## 2675	0	0	0	0	1	0
## 2676	0	0	0	1	1	1
## 2677	0	0	1	0	1	0
## 2678	0	0	0	0	1	0
## 2679	0	1	0	0	1	0
## 2680	166	0	0	0	1	0
## 2681	0	0	0	0	1	0
## 2682	0	0	0	0	0	0
## 2683	0	0	0	0	1	0
## 2684	98	0	0	0	0	0
## 2685	129	0	1	1	1	1
## 2686	0	0	0	0	1	0
## 2687	0	0	0	0	0	0
## 2688	452	0	0	0	1	0
## 2689	0	0	0	0	1	0
## 2690	249	0	0	0	0	0
## 2691	0	0	0	0	1	0



## 2692	0	1	0	0	1	0
## 2693	0	0	0	0	1	1
## 2694	0	0	0	0	1	0
## 2695	0	0	0	0	1	1
## 2696	0	0	0	0	0	0
## 2697	0	0	0	0	1	0
## 2698	0	0	0	0	1	0
## 2699	0	0	0	0	1	1
## 2700	114	0	0	0	0	0
## 2701	0	0	0	0	1	1
## 2702	0	0	0	0	1	0
## 2703	158	0	0	0	0	0
## 2704	0	0	0	0	0	1
## 2705	0	0	0	0	1	0
## 2706	100	0	0	0	1	0
## 2707	0	0	0	0	1	0
## 2708	0	1	0	1	1	1
## 2709	160	0	0	0	0	1
## 2710	170	0	0	0	0	0
## 2711	0	0	0	0	0	0
## 2712	0	0	0	0	1	1
## 2713	0	0	0	0	1	0
## 2714	0	0	0	0	1	0
## 2715	432	1	0	0	0	1
## 2716	0	0	0	0	1	0
## 2717	0	0	0	0	0	0
## 2718	0	0	0	0	1	1
## 2719	0	0	1	0	0	0
## 2720	0	0	0	0	1	0
## 2721	0	0	0	0	0	1
## 2722	0	1	0	0	1	0
## 2723	0	0	0	0	0	0
## 2724	144	0	0	0	1	0
## 2725	157	0	0	1	1	1
## 2726	0	0	0	0	1	0
## 2727	127	0	0	0	0	0
## 2728	220	0	0	0	1	1
## 2729	247	0	0	0	1	0
## 2730	0	0	0	0	1	0
## 2731	0	0	1	0	0	0
## 2732	0	0	0	0	1	0
## 2733	133	0	0	0	0	0
## 2734	147	0	0	0	0	0
## 2735	0	0	0	0	1	0
## 2736	165	0	0	0	1	0
## 2737	0	0	0	0	0	0
## 2738	0	0	0	0	0	0
## 2739	0	0	0	0	1	0
## 2740	0	0	0	0	1	0
## 2741	142	0	0	0	1	0
## 2742	0	0	0	0	0	0
## 2743	0	0	0	0	1	0
## 2744	0	0	0	0	1	1
## 2745	86	0	0	0	0	0

## 2746	120	0	0	0	0	1
## 2747	95	0	0	0	1	1
## 2748	0	0	0	0	0	1
## 2749	240	0	0	1	1	1
## 2750	312	0	0	0	1	0
## 2751	0	0	0	0	0	0
## 2752	156	0	0	0	1	1
## 2753	111	0	0	0	1	0
## 2754	477	1	0	0	0	0
## 2755	119	0	0	0	0	0
## 2756	0	0	0	0	1	1
## 2757	0	0	0	0	1	0
## 2758	205	0	0	0	0	0
## 2759	0	0	1	0	0	1
## 2760	0	0	0	0	0	0
## 2761	0	0	0	0	1	0
## 2762	192	0	0	0	0	1
## 2763	0	0	0	0	1	0
## 2764	0	0	0	0	1	0
## 2765	105	0	0	0	0	1
## 2766	101	0	0	0	1	0
## 2767	0	0	0	0	1	0
## 2768	144	0	0	0	1	0
## 2769	396	0	0	0	1	0
## 2770	582	1	0	0	1	0
## 2771	0	0	0	0	1	0
## 2772	0	0	0	0	0	0
## 2773	0	1	0	0	0	1
## 2774	358	1	0	0	1	0
## 2775	0	0	0	0	1	0
## 2776	0	0	0	0	0	0
## 2777	380	0	0	0	1	1
## 2778	0	0	0	0	1	1
## 2779	0	0	0	0	1	1
## 2780	0	1	0	0	1	0
## 2781	0	0	0	0	0	0
## 2782	104	0	0	0	0	0
## 2783	213	0	0	0	0	0
## 2784	0	0	0	1	1	1
## 2785	0	1	0	0	0	0
## 2786	85	0	1	1	1	1
## 2787	0	0	0	0	0	1
## 2788	0	0	0	0	0	0
## 2789	0	0	0	0	1	0
## 2790	0	0	0	0	1	1
## 2791	0	0	0	0	1	1
## 2792	0	0	0	0	0	0
## 2793	117	0	0	0	1	0
## 2794	153	0	1	1	1	1
## 2795	0	0	0	0	1	0
## 2796	0	0	0	0	0	0
## 2797	0	0	0	0	0	0
## 2798	0	0	0	0	1	0
## 2799	0	0	0	0	1	0

## 2800	200	0	0	0	1	0
## 2801	90	0	0	0	1	1
## 2802	177	0	0	0	1	0
## 2803	0	1	1	1	1	0
## 2804	0	0	0	0	1	0
## 2805	0	0	0	0	0	0
## 2806	0	1	0	0	1	0
## 2807	0	0	0	0	1	0
## 2808	0	0	1	0	0	0
## 2809	136	0	0	0	1	0
## 2810	0	1	1	1	1	1
## 2811	201	0	0	0	0	0
## 2812	145	0	0	0	0	0
## 2813	467	1	0	1	1	1
## 2814	0	0	0	0	1	0
## 2815	0	0	0	0	1	1
## 2816	169	0	0	0	0	0
## 2817	0	0	0	0	1	0
## 2818	331	0	0	0	1	0
## 2819	0	0	0	0	1	1
## 2820	0	0	0	0	1	0
## 2821	303	0	0	0	0	0
## 2822	0	0	0	0	1	0
## 2823	158	0	0	0	1	0
## 2824	0	0	1	0	0	0
## 2825	0	0	0	0	0	0
## 2826	164	0	0	0	1	0
## 2827	0	0	0	0	1	0
## 2828	0	0	0	0	1	1
## 2829	230	0	0	0	1	0
## 2830	138	0	0	0	0	0
## 2831	0	0	0	0	1	0
## 2832	0	0	0	0	1	1
## 2833	0	1	0	1	1	1
## 2834	0	0	0	0	1	0
## 2835	91	0	1	0	0	0
## 2836	149	0	0	0	1	0
## 2837	204	0	0	0	0	0
## 2838	159	0	0	0	0	1
## 2839	0	1	0	1	1	1
## 2840	0	0	0	0	1	0
## 2841	240	0	1	0	0	0
## 2842	565	1	0	1	1	0
## 2843	0	0	0	0	1	0
## 2844	134	0	0	0	1	1
## 2845	0	0	0	0	0	0
## 2846	98	0	0	0	0	0
## 2847	0	0	0	0	1	0
## 2848	0	0	0	0	1	0
## 2849	0	0	0	0	0	0
## 2850	132	0	0	0	1	1
## 2851	219	0	0	0	0	0
## 2852	0	0	0	0	1	0
## 2853	0	0	0	0	1	1

## 2854	0	0	0	0	1	0
## 2855	212	0	0	0	1	0
## 2856	136	0	0	0	1	0
## 2857	295	1	0	0	1	0
## 2858	0	1	0	0	0	0
## 2859	114	0	0	0	1	1
## 2860	282	1	0	0	1	0
## 2861	0	0	0	0	1	0
## 2862	151	0	0	0	0	1
## 2863	0	0	0	0	1	0
## 2864	0	0	0	0	1	1
## 2865	0	0	0	0	1	1
## 2866	0	0	0	0	1	0
## 2867	0	0	1	1	1	1
## 2868	264	0	0	0	1	0
## 2869	0	0	0	0	1	1
## 2870	80	0	0	0	0	0
## 2871	0	0	1	0	0	0
## 2872	252	0	0	0	1	0
## 2873	0	0	0	0	0	0
## 2874	0	0	1	0	1	0
## 2875	0	1	0	0	1	0
## 2876	0	0	0	0	1	1
## 2877	238	0	0	0	0	0
## 2878	0	0	0	0	0	1
## 2879	0	1	0	0	1	0
## 2880	0	0	0	0	0	0
## 2881	0	0	0	0	1	0
## 2882	0	0	0	0	1	0
## 2883	0	0	1	0	0	1
## 2884	0	0	0	0	1	0
## 2885	0	0	0	0	1	1
## 2886	327	1	0	0	1	0
## 2887	0	0	0	0	1	0
## 2888	0	0	0	0	1	0
## 2889	0	0	0	0	1	1
## 2890	144	0	0	0	0	0
## 2891	0	0	0	0	1	1
## 2892	0	0	0	0	1	1
## 2893	0	0	0	0	1	0
## 2894	0	0	0	0	1	0
## 2895	0	0	0	0	0	0
## 2896	140	0	0	0	1	0
## 2897	0	0	0	0	0	0
## 2898	0	0	0	0	0	0
## 2899	175	1	1	1	1	0
## 2900	0	0	0	0	0	0
## 2901	151	0	0	0	0	0
## 2902	76	0	0	0	1	0
## 2903	0	0	1	0	1	0
## 2904	0	0	0	0	1	1
## 2905	0	1	0	1	1	0
## 2906	0	0	0	0	1	0
## 2907	0	0	0	0	1	0

## 2908	0	0	0	0	0	1
## 2909	0	0	0	0	1	0
## 2910	0	0	1	0	0	1
## 2911	0	1	0	0	1	0
## 2912	235	0	0	0	1	0
## 2913	0	1	0	0	0	0
## 2914	0	0	0	0	1	1
## 2915	0	0	0	0	1	0
## 2916	0	0	0	0	1	0
## 2917	0	0	0	0	1	0
## 2918	101	0	0	0	1	0
## 2919	0	0	0	0	1	0
## 2920	0	0	0	1	1	1
## 2921	170	0	0	0	1	0
## 2922	262	0	0	0	1	0
## 2923	0	0	0	0	1	0
## 2924	0	0	0	0	0	0
## 2925	0	0	0	0	1	1
## 2926	0	0	0	0	1	0
## 2927	0	0	0	0	1	1
## 2928	0	0	0	0	0	0
## 2929	0	0	0	0	1	0
## 2930	0	0	0	0	0	0
## 2931	99	0	0	0	1	0
## 2932	109	0	0	0	0	1
## 2933	0	0	0	0	0	1
## 2934	0	0	0	0	1	0
## 2935	635	0	0	0	1	0
## 2936	0	0	0	0	1	1
## 2937	0	0	0	0	1	0
## 2938	0	0	0	0	1	1
## 2939	0	0	0	0	1	0
## 2940	0	0	0	0	0	1
## 2941	163	0	0	0	1	0
## 2942	352	0	0	0	0	0
## 2943	385	0	0	0	1	0
## 2944	0	0	0	0	0	0
## 2945	0	0	0	0	0	0
## 2946	0	0	0	0	1	1
## 2947	437	0	0	0	1	0
## 2948	328	0	0	0	0	0
## 2949	98	0	0	0	0	1
## 2950	0	0	0	0	1	0
## 2951	135	0	0	0	1	0
## 2952	0	1	0	0	0	1
## 2953	0	0	0	0	0	0
## 2954	0	0	0	0	1	1
## 2955	0	0	0	0	1	1
## 2956	187	0	0	0	1	0
## 2957	522	1	0	1	1	1
## 2958	0	0	0	0	1	0
## 2959	0	0	0	0	0	0
## 2960	0	0	0	0	0	0
## 2961	0	0	0	0	0	1

## 2962	0	0	0	0	1	0
## 2963	0	0	0	0	0	0
## 2964	0	0	0	0	1	1
## 2965	0	0	0	0	1	0
## 2966	104	0	0	0	0	1
## 2967	0	0	0	0	1	1
## 2968	0	0	0	0	1	1
## 2969	301	1	0	0	0	0
## 2970	115	0	0	0	0	0
## 2971	0	1	1	0	0	0
## 2972	165	0	0	1	1	1
## 2973	182	0	0	1	1	1
## 2974	276	0	0	0	1	0
## 2975	0	0	0	0	1	0
## 2976	168	0	0	0	0	1
## 2977	0	0	1	1	1	1
## 2978	0	0	1	0	1	0
## 2979	0	0	0	0	1	0
## 2980	0	0	0	0	1	0
## 2981	0	0	0	0	0	0
## 2982	0	0	0	0	0	0
## 2983	0	0	0	0	1	0
## 2984	0	0	0	0	1	1
## 2985	188	0	0	0	0	0
## 2986	0	0	0	0	0	0
## 2987	0	1	1	1	1	0
## 2988	0	0	0	0	0	0
## 2989	181	0	1	0	1	0
## 2990	496	0	0	0	1	0
## 2991	0	0	1	0	0	0
## 2992	0	0	1	0	1	0
## 2993	0	0	0	0	1	1
## 2994	0	0	0	0	0	1
## 2995	0	0	0	0	1	0
## 2996	90	0	0	0	1	0
## 2997	0	1	1	1	1	1
## 2998	0	0	0	0	0	0
## 2999	0	0	0	0	0	0
## 3000	0	0	0	0	0	1
## 3001	0	1	0	0	0	0
## 3002	0	0	0	0	1	1
## 3003	83	0	0	0	0	0
## 3004	0	0	0	0	0	1
## 3005	0	0	0	0	1	1
## 3006	0	1	0	0	1	0
## 3007	184	1	0	1	1	1
## 3008	102	0	0	0	0	1
## 3009	158	0	0	0	0	1
## 3010	0	0	0	0	1	0
## 3011	0	0	0	0	1	0
## 3012	0	0	0	0	1	0
## 3013	415	0	0	0	1	0
## 3014	0	0	0	0	1	1
## 3015	166	0	0	0	1	0

## 3016	0	0	1	0	0	1
## 3017	0	0	0	0	1	0
## 3018	184	0	0	0	0	0
## 3019	99	0	0	0	1	1
## 3020	0	0	0	0	1	0
## 3021	392	0	0	0	1	0
## 3022	461	0	0	0	1	0
## 3023	0	0	0	0	1	1
## 3024	244	0	0	0	0	1
## 3025	0	0	0	0	1	1
## 3026	344	0	0	0	0	0
## 3027	228	0	0	0	0	1
## 3028	152	0	0	0	1	0
## 3029	178	0	0	0	1	1
## 3030	263	0	1	0	1	0
## 3031	0	0	0	0	1	0
## 3032	102	0	0	0	0	1
## 3033	0	0	0	0	1	0
## 3034	221	1	0	0	0	1
## 3035	130	0	0	0	1	0
## 3036	0	0	0	0	0	0
## 3037	105	0	0	0	1	0
## 3038	0	1	0	1	1	0
## 3039	115	0	0	0	1	0
## 3040	0	1	0	0	0	1
## 3041	167	0	0	0	1	0
## 3042	0	0	0	0	1	0
## 3043	0	0	0	0	0	0
## 3044	0	0	0	0	1	1
## 3045	83	0	0	0	0	0
## 3046	0	0	0	0	1	0
## 3047	0	0	0	0	1	0
## 3048	0	0	1	0	0	0
## 3049	103	0	0	0	1	0
## 3050	0	0	0	0	0	0
## 3051	0	0	0	0	1	0
## 3052	0	0	0	0	1	0
## 3053	0	0	0	0	0	1
## 3054	0	0	0	0	1	0
## 3055	0	1	0	1	1	1
## 3056	0	0	0	0	1	0
## 3057	149	0	0	0	1	0
## 3058	0	0	1	0	1	0
## 3059	0	0	0	0	1	0
## 3060	0	0	0	0	1	0
## 3061	0	1	0	0	1	0
## 3062	206	0	1	0	1	0
## 3063	297	0	0	0	0	1
## 3064	0	0	0	0	0	0
## 3065	0	0	0	0	1	0
## 3066	368	0	1	0	1	0
## 3067	0	0	0	0	1	0
## 3068	170	0	1	0	0	0
## 3069	0	0	0	0	0	0

## 3070	0	0	0	0	1	1
## 3071	221	0	1	0	0	0
## 3072	257	0	0	0	0	1
## 3073	0	0	0	0	0	0
## 3074	0	0	0	0	1	0
## 3075	88	0	0	0	1	1
## 3076	0	0	0	0	0	0
## 3077	0	0	0	0	0	1
## 3078	110	0	1	0	1	0
## 3079	190	0	1	1	1	1
## 3080	0	0	0	0	1	1
## 3081	87	0	0	0	1	0
## 3082	204	0	0	0	1	1
## 3083	129	0	0	0	1	0
## 3084	0	0	1	1	1	0
## 3085	0	1	0	0	0	0
## 3086	0	0	0	0	0	1
## 3087	0	0	0	0	1	0
## 3088	0	0	0	0	1	0
## 3089	138	0	0	0	0	1
## 3090	95	0	0	0	0	0
## 3091	0	0	0	0	1	0
## 3092	158	0	0	0	0	1
## 3093	325	0	1	0	0	0
## 3094	0	0	0	0	0	1
## 3095	104	0	0	0	0	1
## 3096	0	0	0	0	1	1
## 3097	0	1	1	1	1	0
## 3098	0	0	0	0	0	0
## 3099	0	0	0	0	0	0
## 3100	174	0	0	0	0	1
## 3101	0	0	0	0	0	1
## 3102	0	0	0	0	0	0
## 3103	0	0	0	0	0	1
## 3104	0	0	0	0	1	0
## 3105	0	0	0	0	0	1
## 3106	121	0	0	0	0	0
## 3107	0	0	0	0	0	0
## 3108	0	0	0	0	0	0
## 3109	0	0	0	0	1	0
## 3110	0	0	1	0	1	0
## 3111	0	0	0	0	0	1
## 3112	0	0	0	0	1	0
## 3113	0	0	0	0	1	0
## 3114	209	0	0	0	1	0
## 3115	0	0	1	0	1	0
## 3116	0	0	0	0	0	0
## 3117	0	0	0	0	0	1
## 3118	256	0	0	0	1	0
## 3119	0	0	0	0	1	0
## 3120	179	0	0	0	1	0
## 3121	0	0	0	0	1	0
## 3122	0	0	0	0	0	1
## 3123	218	0	0	0	0	0



## 3124	126	0	0	0	1	1
## 3125	0	0	0	0	1	1
## 3126	0	0	0	0	1	1
## 3127	0	0	0	0	0	1
## 3128	0	0	0	0	1	0
## 3129	0	0	0	0	0	0
## 3130	0	0	1	0	0	1
## 3131	0	0	1	0	0	1
## 3132	168	0	0	0	1	1
## 3133	148	0	1	0	1	0
## 3134	0	0	0	0	1	0
## 3135	89	0	0	0	1	0
## 3136	321	0	0	0	0	0
## 3137	94	0	1	1	0	1
## 3138	0	0	0	0	1	0
## 3139	255	0	0	0	1	0
## 3140	0	0	0	0	1	0
## 3141	0	0	0	0	1	1
## 3142	0	1	0	0	1	0
## 3143	0	1	1	1	1	1
## 3144	0	0	0	0	1	0
## 3145	0	0	0	0	1	0
## 3146	0	1	0	0	0	0
## 3147	0	0	0	0	1	0
## 3148	0	0	0	0	1	1
## 3149	106	0	0	0	0	0
## 3150	0	0	0	0	1	1
## 3151	0	1	0	0	0	0
## 3152	0	0	0	0	0	0
## 3153	0	0	0	0	0	0
## 3154	0	0	0	0	0	1
## 3155	149	1	0	0	0	1
## 3156	0	0	0	0	1	0
## 3157	0	0	0	0	0	0
## 3158	84	0	0	0	1	0
## 3159	0	0	1	0	1	0
## 3160	240	0	0	0	0	0
## 3161	0	1	1	1	0	1
## 3162	0	0	0	0	1	0
## 3163	0	0	0	0	1	0
## 3164	0	0	0	0	0	0
## 3165	0	0	0	0	1	1
## 3166	97	0	0	0	0	1
## 3167	0	0	0	0	1	1
## 3168	228	0	0	0	0	1
## 3169	0	0	0	0	1	0
## 3170	227	0	0	0	0	0
## 3171	100	0	0	0	0	0
## 3172	0	0	0	0	0	0
## 3173	0	0	0	0	0	0
## 3174	0	0	0	0	1	0
## 3175	0	0	0	0	0	1
## 3176	0	0	0	0	0	0
## 3177	0	0	0	0	1	0

## 3178	199	0	0	0	0	1
## 3179	0	0	0	0	0	0
## 3180	130	0	1	0	1	0
## 3181	84	0	0	0	0	0
## 3182	0	0	0	0	1	0
## 3183	94	0	1	0	1	0
## 3184	0	0	0	0	1	0
## 3185	0	0	0	0	1	0
## 3186	0	0	0	0	1	0
## 3187	296	0	0	0	0	0
## 3188	0	0	0	0	0	0
## 3189	0	0	0	0	0	1
## 3190	0	0	0	0	0	0
## 3191	0	0	0	0	0	0
## 3192	0	0	0	0	0	1
## 3193	0	0	0	0	0	0
## 3194	0	0	0	0	0	1
## 3195	0	0	0	0	0	0
## 3196	0	0	0	0	0	0
## 3197	0	0	0	0	1	1
## 3198	0	0	0	0	1	0
## 3199	147	0	0	0	0	1
## 3200	0	0	0	0	1	0
## 3201	0	0	0	0	0	0
## 3202	0	0	0	0	0	0
## 3203	0	0	1	0	1	0
## 3204	239	0	0	0	1	0
## 3205	185	0	0	0	0	0
## 3206	0	0	0	0	1	1
## 3207	0	0	0	0	1	1
## 3208	0	0	0	0	1	1
## 3209	0	0	0	0	1	0
## 3210	373	1	0	1	1	1
## 3211	0	0	1	0	0	0
## 3212	0	0	0	0	1	0
## 3213	0	0	0	0	0	0
## 3214	116	0	0	0	1	0
## 3215	0	0	0	0	1	0
## 3216	0	0	0	0	1	0
## 3217	0	0	0	0	0	0
## 3218	120	1	0	1	1	1
## 3219	325	0	0	0	1	0
## 3220	0	0	0	0	0	0
## 3221	135	0	0	0	1	0
## 3222	0	0	1	0	1	0
## 3223	0	0	0	0	0	0
## 3224	0	0	0	0	1	0
## 3225	0	0	1	0	1	0
## 3226	0	0	0	0	0	1
## 3227	0	0	0	0	1	1
## 3228	0	0	0	0	1	0
## 3229	0	0	0	0	0	1
## 3230	0	0	0	0	0	0
## 3231	0	0	0	0	0	1

## 3232	0	0	1	0	1	0
## 3233	0	0	0	0	1	0
## 3234	329	0	0	0	0	0
## 3235	0	0	0	0	1	0
## 3236	0	0	0	0	1	0
## 3237	0	0	0	0	0	1
## 3238	0	0	0	1	1	1
## 3239	0	0	0	0	1	0
## 3240	0	0	0	0	1	0
## 3241	118	0	0	0	1	0
## 3242	0	0	0	0	0	0
## 3243	0	0	0	0	1	0
## 3244	0	0	0	0	1	0
## 3245	0	0	0	0	1	0
## 3246	0	0	0	0	1	1
## 3247	223	0	0	0	1	0
## 3248	0	0	0	0	1	1
## 3249	0	0	0	0	0	0
## 3250	0	0	0	0	0	0
## 3251	0	0	1	0	0	1
## 3252	0	0	0	0	0	1
## 3253	0	0	0	0	1	0
## 3254	118	0	0	0	0	1
## 3255	0	0	0	0	1	0
## 3256	0	0	0	0	1	1
## 3257	0	0	0	0	0	0
## 3258	0	0	0	0	1	0
## 3259	185	0	1	0	1	0
## 3260	0	0	0	0	0	1
## 3261	0	0	0	0	0	0
## 3262	0	0	0	0	0	0
## 3263	0	0	0	0	1	0
## 3264	0	0	0	0	1	0
## 3265	0	0	0	0	1	0
## 3266	0	0	0	0	1	0
## 3267	0	0	0	0	1	1
## 3268	120	0	0	0	1	0
## 3269	0	1	0	0	1	0
## 3270	113	0	0	0	0	0
## 3271	0	1	0	0	1	0
## 3272	0	1	0	0	0	1
## 3273	0	0	0	0	0	0
## 3274	0	0	0	0	0	0
## 3275	0	0	0	0	1	0
## 3276	268	0	0	0	1	0
## 3277	0	1	0	0	0	0
## 3278	0	0	0	0	1	0
## 3279	0	0	0	0	1	0
## 3280	0	0	0	0	0	0
## 3281	0	0	0	0	0	0
## 3282	0	0	0	0	1	1
## 3283	0	0	0	0	1	0
## 3284	87	0	0	0	1	0
## 3285	0	0	0	0	0	1

## 3286	0	0	0	0	1	0
## 3287	0	0	0	0	0	1
## 3288	0	0	0	0	1	0
## 3289	292	1	0	0	0	0
## 3290	187	0	0	0	1	1
## 3291	0	0	0	0	0	0
## 3292	0	0	0	0	1	0
## 3293	0	0	1	0	0	0
## 3294	0	0	1	0	1	0
## 3295	0	0	0	0	0	0
## 3296	0	1	0	0	0	0
## 3297	0	1	0	0	1	0
## 3298	0	0	0	0	1	1
## 3299	89	0	0	0	0	0
## 3300	0	0	0	0	1	0
## 3301	0	0	0	0	1	0
## 3302	0	0	0	0	1	1
## 3303	0	0	0	0	0	0
## 3304	82	0	0	0	1	1
## 3305	383	0	0	0	1	0
## 3306	0	0	0	0	0	0
## 3307	0	0	0	0	1	0
## 3308	0	0	0	0	1	0
## 3309	0	0	0	0	0	1
## 3310	0	0	0	0	1	0
## 3311	0	0	0	0	1	1
## 3312	0	0	0	0	0	0
## 3313	0	0	0	0	0	0
## 3314	0	0	0	0	0	0
## 3315	0	0	0	0	1	0
## 3316	0	0	0	0	0	0
## 3317	0	0	0	0	1	0
## 3318	0	0	0	0	0	0
## 3319	0	1	0	0	0	0
## 3320	0	1	0	0	0	1
## 3321	0	0	0	0	0	1
## 3322	0	0	0	0	1	0
## 3323	0	0	0	1	1	1
## 3324	0	0	0	0	1	0
## 3325	0	0	1	0	1	0
## 3326	0	0	0	0	0	0
## 3327	0	1	0	0	1	0
## 3328	0	1	1	1	1	1
## 3329	0	0	0	0	0	0
## 3330	82	0	0	0	0	1
## 3331	0	0	0	0	1	0
## 3332	0	0	0	0	0	1
## 3333	0	0	0	0	0	1
## 3334	280	0	0	0	1	0
## 3335	86	0	0	0	0	0
## 3336	358	0	0	0	0	0
## 3337	0	0	0	0	1	0
## 3338	0	0	0	0	1	0
## 3339	0	0	1	0	1	0

## 3340	354	1	0	0	0	0
## 3341	0	0	0	0	0	0
## 3342	0	0	1	0	1	0
## 3343	121	0	0	0	1	1
## 3344	0	1	0	0	1	0
## 3345	0	0	0	0	0	1
## 3346	0	0	0	1	1	1
## 3347	0	0	0	0	1	1
## 3348	0	0	0	1	1	1
## 3349	0	0	0	0	0	0
## 3350	275	0	0	0	0	0
## 3351	0	0	0	0	0	0
## 3352	0	0	0	0	1	0
## 3353	83	0	0	0	1	0
## 3354	0	0	0	0	1	1
## 3355	0	0	0	0	1	0
## 3356	0	0	0	0	1	1
## 3357	0	1	0	0	0	0
## 3358	408	0	1	1	1	1
## 3359	0	0	0	0	0	0
## 3360	0	0	0	0	0	0
## 3361	0	0	0	0	0	0
## 3362	87	0	0	0	1	1
## 3363	0	0	0	0	1	0
## 3364	0	0	0	0	1	0
## 3365	105	0	0	0	0	0
## 3366	0	0	0	0	1	0
## 3367	0	0	0	0	1	1
## 3368	0	0	0	0	1	0
## 3369	0	1	0	1	0	1
## 3370	0	0	0	0	1	0
## 3371	199	0	1	0	1	0
## 3372	0	0	0	0	0	0
## 3373	209	0	0	0	1	0
## 3374	442	1	0	1	1	1
## 3375	0	0	0	0	0	0
## 3376	0	0	0	0	1	0
## 3377	0	0	0	0	0	0
## 3378	315	0	0	0	1	0
## 3379	0	0	0	0	0	1
## 3380	0	0	0	0	1	0
## 3381	76	0	0	0	0	1
## 3382	0	0	0	0	1	1
## 3383	0	0	1	1	1	0
## 3384	213	1	0	0	1	0
## 3385	153	0	1	0	1	0
## 3386	0	0	1	0	0	0
## 3387	0	1	0	0	0	0
## 3388	0	0	0	0	1	0
## 3389	85	0	0	0	1	0
## 3390	238	0	0	0	0	0
## 3391	0	0	0	0	0	0
## 3392	221	0	0	0	0	0
## 3393	0	0	0	0	1	0

## 3394	0	0	0	0	1	1
## 3395	0	0	0	0	1	0
## 3396	135	0	0	0	0	0
## 3397	0	0	0	0	1	1
## 3398	137	0	0	0	1	0
## 3399	0	0	0	0	1	1
## 3400	97	0	0	0	0	0
## 3401	0	0	0	0	0	0
## 3402	118	0	0	0	1	1
## 3403	0	0	0	0	1	1
## 3404	0	1	0	0	1	0
## 3405	101	0	0	0	0	0
## 3406	0	0	0	0	1	0
## 3407	0	0	0	0	0	1
## 3408	0	0	0	0	0	0
## 3409	0	0	0	0	1	0
## 3410	84	0	0	0	1	1
## 3411	0	0	0	0	1	0
## 3412	427	0	0	0	0	0
## 3413	0	0	0	0	0	0
## 3414	0	0	0	0	0	1
## 3415	0	0	0	0	0	0
## 3416	0	0	0	0	1	1
## 3417	244	0	0	0	1	0
## 3418	0	0	0	0	1	1
## 3419	0	0	0	1	1	1
## 3420	87	0	0	0	1	1
## 3421	0	0	0	0	1	1
## 3422	0	0	0	0	0	1
## 3423	0	0	0	0	0	1
## 3424	0	0	0	0	0	0
## 3425	0	0	0	0	1	1
## 3426	90	0	0	0	1	0
## 3427	189	0	0	0	1	0
## 3428	0	0	0	0	1	0
## 3429	0	0	0	0	0	0
## 3430	108	0	0	0	0	1
## 3431	0	0	0	0	1	1
## 3432	184	0	1	0	1	0
## 3433	0	0	0	0	0	1
## 3434	0	0	1	0	0	0
## 3435	78	0	0	0	0	0
## 3436	0	0	1	0	0	0
## 3437	0	0	0	0	0	0
## 3438	0	0	1	0	1	0
## 3439	271	0	0	0	1	0
## 3440	0	0	0	1	1	1
## 3441	0	0	0	0	0	1
## 3442	0	0	1	1	1	1
## 3443	0	0	0	0	1	0
## 3444	202	0	0	0	0	0
## 3445	0	0	0	0	1	0
## 3446	116	0	0	0	0	1
## 3447	186	0	0	0	1	0

## 3448	109	0	0	0	0	0
## 3449	110	0	0	0	1	1
## 3450	0	1	1	1	1	0
## 3451	0	0	0	0	0	1
## 3452	251	0	0	0	1	1
## 3453	0	0	0	0	0	0
## 3454	0	0	0	0	1	0
## 3455	0	0	0	0	1	0
## 3456	0	0	0	0	1	1
## 3457	0	1	0	0	1	0
## 3458	0	0	0	0	1	0
## 3459	231	0	0	0	0	1
## 3460	0	0	0	0	0	0
## 3461	0	0	0	0	1	1
## 3462	142	0	0	0	1	0
## 3463	146	0	1	0	1	0
## 3464	0	0	0	0	1	0
## 3465	0	1	0	1	1	1
## 3466	0	0	0	0	0	0
## 3467	96	0	0	0	0	1
## 3468	364	1	0	0	1	0
## 3469	0	0	0	0	0	1
## 3470	0	0	0	0	1	0
## 3471	429	0	0	0	1	1
## 3472	0	0	0	0	1	0
## 3473	431	1	0	0	1	0
## 3474	0	0	1	0	0	0
## 3475	0	0	0	0	1	0
## 3476	0	0	0	0	0	0
## 3477	0	0	1	0	1	0
## 3478	156	0	0	0	1	1
## 3479	0	1	0	0	0	0
## 3480	0	0	0	0	1	0
## 3481	0	0	1	0	1	0
## 3482	0	0	0	0	1	0
## 3483	81	0	1	0	0	0
## 3484	0	0	0	0	1	0
## 3485	112	0	0	0	0	0
## 3486	0	0	0	0	0	0
## 3487	0	0	0	0	0	1
## 3488	0	0	0	0	0	1
## 3489	131	0	0	0	1	0
## 3490	0	1	1	0	0	0
## 3491	115	0	0	0	0	0
## 3492	0	0	0	0	0	1
## 3493	0	0	0	0	0	1
## 3494	0	0	0	0	1	0
## 3495	0	0	0	0	0	0
## 3496	192	0	0	0	1	0
## 3497	192	0	0	0	0	0
## 3498	0	0	0	0	0	0
## 3499	94	1	0	0	1	0
## 3500	286	0	0	0	1	0
## 3501	0	0	0	0	1	1

## 3502	0	0	1	0	1	0
## 3503	90	0	0	0	1	0
## 3504	0	0	0	0	1	0
## 3505	0	0	1	0	1	0
## 3506	0	0	0	0	1	1
## 3507	154	0	0	1	1	1
## 3508	0	0	0	1	1	1
## 3509	0	1	0	0	1	0
## 3510	0	0	0	0	0	0
## 3511	0	0	0	0	0	0
## 3512	0	0	0	0	1	0
## 3513	0	0	0	0	0	1
## 3514	0	0	0	0	0	0
## 3515	0	0	0	0	1	0
## 3516	508	0	0	0	0	0
## 3517	148	0	0	0	1	0
## 3518	146	1	0	0	0	1
## 3519	0	0	0	0	0	0
## 3520	0	0	1	0	1	0
## 3521	0	0	0	0	0	0
## 3522	0	0	0	0	1	0
## 3523	134	0	0	0	0	0
## 3524	0	0	0	0	0	1
## 3525	0	0	0	0	0	0
## 3526	0	0	0	0	0	0
## 3527	0	0	0	0	1	0
## 3528	0	0	0	0	0	0
## 3529	0	0	0	0	1	0
## 3530	0	0	0	0	1	1
## 3531	0	0	1	0	0	0
## 3532	128	0	0	0	0	1
## 3533	0	0	0	0	1	1
## 3534	211	0	0	0	0	0
## 3535	0	0	0	0	0	1
## 3536	0	0	0	0	1	1
## 3537	229	0	0	0	0	0
## 3538	0	0	0	0	1	0
## 3539	0	0	0	0	0	0
## 3540	0	0	0	0	0	0
## 3541	0	0	1	0	0	1
## 3542	210	1	0	0	1	0
## 3543	0	1	0	0	1	0
## 3544	0	0	0	0	0	0
## 3545	0	0	0	0	0	0
## 3546	0	0	0	0	1	0
## 3547	119	0	0	0	1	1
## 3548	0	0	0	0	1	0
## 3549	0	0	0	0	0	1
## 3550	0	0	0	0	0	0
## 3551	116	0	0	0	0	0
## 3552	172	0	0	0	0	0
## 3553	0	0	0	0	1	1
## 3554	0	0	0	0	0	0
## 3555	0	0	1	0	0	0



## 3556	0	0	0	0	1	0
## 3557	0	0	1	0	0	1
## 3558	189	0	0	0	1	1
## 3559	0	0	0	0	1	0
## 3560	0	0	0	0	0	0
## 3561	126	0	0	0	1	0
## 3562	142	0	0	0	0	0
## 3563	272	1	1	1	1	0
## 3564	0	1	0	0	0	0
## 3565	0	0	0	0	0	0
## 3566	0	0	0	0	0	1
## 3567	0	0	0	0	1	1
## 3568	123	0	0	0	1	0
## 3569	0	0	0	0	0	1
## 3570	0	0	1	0	1	0
## 3571	0	0	0	0	1	1
## 3572	416	1	0	0	0	0
## 3573	0	0	0	0	1	1
## 3574	0	1	0	0	0	1
## 3575	0	0	0	0	0	1
## 3576	83	0	0	0	0	0
## 3577	0	0	0	0	0	0
## 3578	0	0	0	0	1	0
## 3579	209	1	0	0	1	0
## 3580	102	0	1	1	0	1
## 3581	0	0	0	0	1	1
## 3582	0	0	0	0	0	1
## 3583	0	0	0	0	1	0
## 3584	85	0	0	0	0	0
## 3585	115	0	0	0	1	0
## 3586	0	0	0	0	1	0
## 3587	0	0	0	0	1	0
## 3588	0	0	0	0	1	0
## 3589	0	0	0	0	1	0
## 3590	147	0	0	0	0	0
## 3591	0	0	0	0	1	1
## 3592	224	0	0	0	1	1
## 3593	0	0	0	0	0	0
## 3594	192	0	0	0	1	0
## 3595	0	0	0	0	1	0
## 3596	79	0	0	0	0	0
## 3597	0	0	0	0	0	0
## 3598	0	0	0	0	1	0
## 3599	0	0	0	0	0	0
## 3600	91	0	0	1	1	1
## 3601	95	0	0	0	1	0
## 3602	0	0	1	0	0	0
## 3603	0	0	0	0	1	1
## 3604	0	0	0	0	1	1
## 3605	0	0	0	0	1	0
## 3606	0	1	0	0	0	0
## 3607	96	0	0	0	1	1
## 3608	0	0	0	0	0	0
## 3609	553	0	0	0	0	0

## 3610	0	0	0	0	0	1
## 3611	79	0	0	0	1	0
## 3612	0	0	0	0	0	0
## 3613	368	1	1	1	0	1
## 3614	0	1	0	0	1	0
## 3615	0	1	0	0	1	0
## 3616	0	0	0	0	1	1
## 3617	78	0	0	0	1	0
## 3618	146	0	0	0	0	0
## 3619	0	0	0	0	1	0
## 3620	0	0	0	0	1	0
## 3621	403	0	0	0	0	0
## 3622	193	0	0	0	1	0
## 3623	0	0	0	0	1	1
## 3624	95	0	0	0	0	0
## 3625	0	0	0	0	0	0
## 3626	0	0	0	0	1	0
## 3627	0	0	0	0	0	0
## 3628	0	0	0	0	0	1
## 3629	0	0	0	0	0	1
## 3630	0	0	0	0	1	1
## 3631	225	0	0	0	1	0
## 3632	0	0	0	0	0	0
## 3633	0	0	0	0	0	1
## 3634	0	0	0	0	1	0
## 3635	0	0	0	0	0	0
## 3636	0	0	0	0	1	0
## 3637	0	0	0	0	1	0
## 3638	242	0	0	0	1	0
## 3639	0	0	0	0	1	0
## 3640	0	0	1	0	1	0
## 3641	0	0	0	0	0	1
## 3642	0	0	0	0	0	0
## 3643	0	0	1	0	1	0
## 3644	144	0	0	0	1	1
## 3645	174	0	0	0	0	0
## 3646	0	0	1	0	0	1
## 3647	260	1	0	0	1	0
## 3648	0	0	0	0	0	1
## 3649	0	0	0	0	1	0
## 3650	0	0	0	0	1	0
## 3651	107	0	0	0	0	0
## 3652	0	1	0	0	0	1
## 3653	0	0	0	0	0	1
## 3654	0	0	0	0	0	1
## 3655	177	0	0	0	0	0
## 3656	0	0	0	0	1	0
## 3657	0	0	1	0	0	0
## 3658	0	0	0	0	1	1
## 3659	0	0	0	0	0	0
## 3660	0	0	0	0	0	0
## 3661	0	0	0	0	0	0
## 3662	0	1	1	1	0	1
## 3663	500	0	0	0	0	0

## 3664	0	0	0	1	1	1
## 3665	0	0	0	0	1	0
## 3666	0	0	1	0	0	0
## 3667	0	0	0	0	1	0
## 3668	0	0	0	0	1	0
## 3669	75	1	0	0	1	0
## 3670	0	0	0	0	1	1
## 3671	0	0	0	0	1	0
## 3672	0	0	0	0	1	0
## 3673	0	0	0	0	1	0
## 3674	0	0	0	0	0	1
## 3675	0	0	1	0	0	0
## 3676	0	0	0	0	1	0
## 3677	111	0	0	0	1	0
## 3678	0	0	0	0	0	1
## 3679	0	0	0	0	0	0
## 3680	0	0	0	0	1	0
## 3681	0	0	0	0	0	0
## 3682	0	0	0	0	0	0
## 3683	0	0	0	0	0	0
## 3684	0	0	1	0	0	0
## 3685	103	0	0	0	1	0
## 3686	313	0	0	0	0	0
## 3687	0	0	0	0	0	0
## 3688	0	0	0	0	0	0
## 3689	0	0	1	0	1	0
## 3690	205	0	0	0	0	1
## 3691	0	0	0	0	0	0
## 3692	0	0	0	0	0	1
## 3693	0	0	0	0	1	0
## 3694	0	0	0	0	0	0
## 3695	0	0	0	0	1	0
## 3696	0	0	0	0	1	0
## 3697	0	0	0	0	0	1
## 3698	0	0	0	0	0	0
## 3699	0	0	1	1	1	1
## 3700	0	0	0	0	1	1
## 3701	0	0	1	0	0	0
## 3702	0	0	0	0	1	0
## 3703	410	1	0	0	0	0
## 3704	0	0	1	0	0	0
## 3705	0	1	0	0	0	0
## 3706	0	0	0	0	1	0
## 3707	123	0	0	0	1	0
## 3708	0	0	0	0	0	0
## 3709	0	0	0	0	0	0
## 3710	0	0	1	0	0	0
## 3711	0	0	0	0	1	1
## 3712	99	0	0	0	1	0
## 3713	0	0	0	0	0	0
## 3714	0	0	0	0	1	1
## 3715	232	0	0	0	0	1
## 3716	0	0	0	0	0	1
## 3717	0	0	0	0	0	0

## 3718	285	0	0	0	0	0
## 3719	0	0	0	0	0	1
## 3720	76	0	0	0	1	0
## 3721	229	1	0	0	1	0
## 3722	0	0	1	1	1	1
## 3723	98	0	0	0	1	0
## 3724	82	0	0	0	1	0
## 3725	119	0	0	0	0	0
## 3726	0	0	0	0	0	0
## 3727	0	0	0	0	1	0
## 3728	109	0	1	1	1	1
## 3729	161	1	0	0	0	0
## 3730	0	0	0	0	1	0
## 3731	0	0	0	0	1	0
## 3732	0	0	0	0	1	0
## 3733	95	0	0	0	0	0
## 3734	0	0	0	0	1	0
## 3735	0	0	0	0	1	0
## 3736	0	0	0	0	1	0
## 3737	0	0	0	0	0	0
## 3738	0	0	0	0	1	0
## 3739	0	0	0	0	0	1
## 3740	0	0	0	0	0	0
## 3741	0	0	0	0	1	1
## 3742	0	0	0	0	1	0
## 3743	0	0	0	1	1	1
## 3744	194	0	0	0	1	1
## 3745	0	0	0	0	0	0
## 3746	118	0	0	0	1	0
## 3747	109	0	1	1	1	1
## 3748	0	1	0	0	1	0
## 3749	126	0	0	0	1	0
## 3750	0	0	0	0	1	0
## 3751	0	0	0	0	1	0
## 3752	0	0	0	0	1	0
## 3753	219	0	0	0	0	1
## 3754	0	0	0	0	1	1
## 3755	0	0	0	0	1	1
## 3756	0	0	0	0	1	0
## 3757	0	0	0	0	0	0
## 3758	0	1	0	0	1	0
## 3759	0	0	0	0	1	0
## 3760	121	0	0	0	1	1
## 3761	273	0	0	0	1	1
## 3762	0	0	0	0	1	0
## 3763	0	0	0	0	1	0
## 3764	0	0	0	0	0	1
## 3765	0	0	0	0	0	0
## 3766	0	0	0	0	1	0
## 3767	304	1	0	0	1	0
## 3768	0	0	0	0	1	1
## 3769	170	0	0	1	1	1
## 3770	204	0	0	0	0	0
## 3771	79	0	0	0	0	0

## 3772	341	0	0	0	0	1
## 3773	0	0	0	0	1	0
## 3774	0	0	1	0	0	0
## 3775	0	0	0	0	1	0
## 3776	0	0	0	0	1	1
## 3777	449	1	0	0	0	1
## 3778	151	0	0	0	1	0
## 3779	0	0	0	0	0	0
## 3780	0	0	0	0	1	1
## 3781	0	0	0	0	0	0
## 3782	333	0	0	1	1	1
## 3783	0	0	1	0	1	0
## 3784	0	0	0	0	0	0
## 3785	0	1	0	0	1	0
## 3786	0	0	0	0	1	0
## 3787	0	0	0	0	1	0
## 3788	0	0	1	1	1	0
## 3789	221	0	0	0	1	1
## 3790	0	0	0	0	1	1
## 3791	0	0	0	0	1	1
## 3792	0	0	0	0	0	0
## 3793	0	0	0	0	1	0
## 3794	0	0	0	0	1	0
## 3795	0	0	1	0	1	0
## 3796	98	0	0	0	1	0
## 3797	0	0	1	0	0	0
## 3798	0	0	0	0	1	0
## 3799	144	0	0	0	1	1
## 3800	0	0	0	0	0	1
## 3801	0	0	0	0	1	0
## 3802	106	0	0	0	1	1
## 3803	0	0	0	0	1	0
## 3804	0	0	0	0	1	0
## 3805	0	0	0	0	1	0
## 3806	0	0	0	0	0	0
## 3807	0	0	0	0	0	0
## 3808	0	0	0	0	1	1
## 3809	0	0	0	0	0	0
## 3810	0	0	1	0	0	0
## 3811	89	0	0	0	0	0
## 3812	0	0	0	0	1	0
## 3813	0	0	0	0	0	1
## 3814	97	0	0	0	1	0
## 3815	0	0	0	0	0	0
## 3816	96	0	0	0	1	0
## 3817	0	0	0	0	1	1
## 3818	0	0	0	0	0	0
## 3819	0	0	0	0	0	0
## 3820	0	0	0	0	1	0
## 3821	205	0	0	0	1	1
## 3822	259	1	0	0	1	0
## 3823	0	1	0	0	0	0
## 3824	194	0	0	0	1	0
## 3825	0	0	1	0	0	1

## 3826	188	0	0	0	0	1
## 3827	0	0	0	0	0	0
## 3828	196	0	0	0	1	0
## 3829	122	0	0	0	1	0
## 3830	0	0	0	0	1	1
## 3831	0	0	1	0	1	0
## 3832	0	0	0	0	0	0
## 3833	0	0	0	0	0	1
## 3834	0	0	0	0	1	0
## 3835	75	0	0	0	1	0
## 3836	0	1	1	0	0	0
## 3837	0	0	0	0	1	1
## 3838	0	0	0	0	1	0
## 3839	127	0	1	0	0	0
## 3840	0	0	0	0	1	0
## 3841	114	0	0	0	0	0
## 3842	0	0	0	0	1	0
## 3843	0	0	0	0	1	0
## 3844	0	1	0	0	0	1
## 3845	0	0	0	0	0	0
## 3846	230	0	0	0	0	0
## 3847	0	0	0	0	0	0
## 3848	0	0	0	0	0	0
## 3849	0	0	0	0	0	1
## 3850	0	0	1	0	0	0
## 3851	0	0	0	0	1	0
## 3852	194	0	0	0	1	0
## 3853	82	0	1	1	1	1
## 3854	0	0	0	0	1	0
## 3855	0	0	0	0	1	0
## 3856	0	0	1	0	1	0
## 3857	0	0	0	0	1	0
## 3858	0	0	0	0	0	0
## 3859	277	1	0	0	0	1
## 3860	0	0	0	0	0	0
## 3861	0	0	0	0	1	1
## 3862	0	0	0	0	0	0
## 3863	0	0	0	0	1	0
## 3864	0	0	0	0	1	0
## 3865	0	1	0	0	0	1
## 3866	0	0	0	0	0	0
## 3867	0	0	1	0	0	1
## 3868	0	0	0	0	0	0
## 3869	0	0	0	0	0	0
## 3870	161	0	0	0	1	1
## 3871	0	0	0	0	0	0
## 3872	0	0	0	0	0	1
## 3873	0	0	0	0	1	0
## 3874	185	0	0	0	1	0
## 3875	184	0	0	0	0	0
## 3876	381	0	0	0	1	1
## 3877	0	0	0	0	1	0
## 3878	0	0	0	0	0	0
## 3879	0	0	0	0	1	1

## 3880	270	0	0	0	0	0
## 3881	0	0	0	0	0	0
## 3882	0	0	1	0	0	0
## 3883	166	0	0	0	0	1
## 3884	98	0	0	0	1	0
## 3885	402	0	0	0	1	1
## 3886	102	0	0	0	1	0
## 3887	215	0	0	1	1	1
## 3888	0	0	1	0	1	0
## 3889	251	0	0	0	1	1
## 3890	121	0	0	0	1	0
## 3891	0	1	0	0	1	0
## 3892	0	0	0	0	1	0
## 3893	0	0	0	0	1	0
## 3894	0	0	0	0	1	0
## 3895	81	0	0	0	1	1
## 3896	216	0	0	0	0	0
## 3897	0	0	0	1	1	1
## 3898	0	0	0	0	0	0
## 3899	0	0	0	0	1	0
## 3900	0	0	0	0	1	1
## 3901	0	0	1	1	1	1
## 3902	0	0	0	0	1	0
## 3903	0	0	0	0	0	1
## 3904	0	0	0	0	0	0
## 3905	94	0	0	0	1	1
## 3906	0	0	0	0	0	0
## 3907	0	0	0	0	1	0
## 3908	187	0	0	0	1	0
## 3909	0	0	0	0	0	0
## 3910	0	0	0	0	1	0
## 3911	0	0	0	0	1	0
## 3912	148	0	0	0	0	1
## 3913	0	0	0	0	0	0
## 3914	172	0	0	0	1	0
## 3915	0	0	0	0	0	0
## 3916	0	0	0	0	1	1
## 3917	96	0	0	0	0	0
## 3918	292	0	0	0	1	0
## 3919	0	0	1	0	1	0
## 3920	400	1	0	0	0	0
## 3921	0	0	1	1	1	1
## 3922	0	0	0	0	1	0
## 3923	0	0	0	0	1	0
## 3924	330	0	1	0	1	0
## 3925	0	0	0	0	1	0
## 3926	0	0	0	0	1	0
## 3927	0	0	0	0	1	0
## 3928	0	0	0	0	0	1
## 3929	0	0	0	0	1	0
## 3930	0	0	0	0	0	0
## 3931	345	0	0	0	0	0
## 3932	0	0	0	0	1	0
## 3933	0	0	0	0	1	0

## 3934	0	0	0	0	1	0
## 3935	126	0	0	0	0	1
## 3936	0	0	0	0	1	0
## 3937	0	0	1	0	0	0
## 3938	92	0	0	0	0	1
## 3939	0	0	0	0	1	0
## 3940	102	0	0	0	0	1
## 3941	102	0	0	0	1	0
## 3942	294	0	0	0	1	1
## 3943	170	0	0	0	1	0
## 3944	0	1	0	0	0	0
## 3945	0	0	0	0	1	0
## 3946	428	1	0	0	1	0
## 3947	0	0	0	0	1	0
## 3948	0	1	0	0	1	0
## 3949	253	1	0	1	1	1
## 3950	0	0	0	0	1	1
## 3951	255	0	0	0	1	0
## 3952	106	0	0	0	1	0
## 3953	0	0	1	0	0	1
## 3954	0	0	0	0	0	0
## 3955	0	0	0	0	0	0
## 3956	0	0	0	0	0	0
## 3957	200	0	0	0	1	1
## 3958	0	0	0	0	1	0
## 3959	78	0	0	0	0	0
## 3960	0	1	0	0	1	0
## 3961	0	0	0	0	0	0
## 3962	140	0	0	0	1	0
## 3963	0	0	0	0	0	0
## 3964	0	0	0	0	1	0
## 3965	0	0	0	0	0	0
## 3966	0	0	0	0	1	0
## 3967	0	0	0	0	1	0
## 3968	0	0	0	0	1	0
## 3969	0	0	0	0	1	1
## 3970	0	0	0	0	1	0
## 3971	0	0	0	0	0	1
## 3972	0	0	0	0	1	1
## 3973	0	0	0	0	1	1
## 3974	167	0	0	0	1	0
## 3975	0	0	0	0	0	0
## 3976	0	0	0	0	1	0
## 3977	194	0	0	0	1	0
## 3978	113	0	1	1	1	1
## 3979	0	0	0	0	1	0
## 3980	258	0	1	1	1	1
## 3981	0	0	0	0	1	0
## 3982	0	0	1	1	1	1
## 3983	0	0	0	0	1	0
## 3984	0	1	0	0	1	0
## 3985	0	0	0	0	0	0
## 3986	120	0	0	0	1	0
## 3987	0	1	0	1	1	1



## 3988	0	0	0	0	1	1
## 3989	0	1	0	1	0	1
## 3990	0	0	1	0	1	0
## 3991	134	0	0	0	1	0
## 3992	0	0	0	0	0	0
## 3993	0	1	0	0	0	0
## 3994	0	0	0	0	1	0
## 3995	0	0	0	0	1	1
## 3996	0	0	0	0	1	1
## 3997	0	0	0	0	0	1
## 3998	0	0	0	0	0	0
## 3999	0	0	0	0	0	1
## 4000	0	0	0	0	0	0
## 4001	0	1	0	1	1	1
## 4002	0	0	0	0	0	0
## 4003	0	0	0	0	1	0
## 4004	0	0	0	0	1	1
## 4005	0	0	0	0	0	0
## 4006	79	0	1	0	1	0
## 4007	0	0	0	0	1	0
## 4008	0	0	0	0	0	1
## 4009	351	1	0	1	1	1
## 4010	0	0	0	0	1	0
## 4011	84	0	0	0	0	0
## 4012	0	0	0	0	1	0
## 4013	0	0	0	0	1	0
## 4014	0	0	0	0	0	0
## 4015	0	0	0	0	1	1
## 4016	0	0	0	0	0	1
## 4017	427	1	0	0	1	0
## 4018	153	0	0	0	1	0
## 4019	160	0	0	0	0	1
## 4020	0	0	0	0	1	0
## 4021	194	1	0	0	0	1
## 4022	106	0	0	0	0	1
## 4023	0	0	0	0	1	0
## 4024	312	1	0	0	0	0
## 4025	0	0	0	0	1	0
## 4026	0	0	0	0	0	1
## 4027	0	1	0	0	0	0
## 4028	0	0	0	0	1	0
## 4029	189	0	0	0	0	0
## 4030	0	0	1	0	1	0
## 4031	0	0	0	0	0	0
## 4032	0	0	0	0	1	0
## 4033	0	0	0	0	0	1
## 4034	132	0	0	0	1	0
## 4035	0	0	0	0	1	1
## 4036	0	1	0	1	1	0
## 4037	0	0	0	0	1	0
## 4038	178	0	0	0	0	0
## 4039	0	0	0	0	1	0
## 4040	0	0	0	0	1	1
## 4041	157	0	0	0	0	0

## 4042	0	0	1	1	1	1
## 4043	246	0	0	0	1	1
## 4044	0	0	0	0	1	1
## 4045	99	0	1	0	0	0
## 4046	0	0	0	0	1	0
## 4047	0	0	0	0	1	0
## 4048	79	0	0	0	1	0
## 4049	119	0	1	0	1	0
## 4050	294	0	0	0	0	0
## 4051	83	0	0	0	0	0
## 4052	0	0	0	0	1	1
## 4053	0	0	0	0	1	0
## 4054	0	0	0	0	0	0
## 4055	0	0	0	0	0	0
## 4056	0	0	0	0	1	1
## 4057	0	0	0	0	0	0
## 4058	0	0	0	0	0	0
## 4059	0	0	0	0	0	0
## 4060	0	0	0	0	1	0
## 4061	0	0	0	0	1	1
## 4062	0	0	0	0	1	0
## 4063	0	0	0	0	1	0
## 4064	0	0	0	0	0	1
## 4065	166	0	0	0	0	0
## 4066	0	0	0	0	1	0
## 4067	0	0	0	0	1	0
## 4068	0	0	0	0	1	0
## 4069	0	0	0	0	1	0
## 4070	0	0	0	0	0	0
## 4071	0	0	1	0	0	0
## 4072	135	0	0	0	0	1
## 4073	0	0	0	0	1	0
## 4074	0	0	0	0	0	0
## 4075	0	0	0	0	1	0
## 4076	0	0	0	0	1	0
## 4077	0	0	0	0	0	0
## 4078	0	0	1	0	1	0
## 4079	0	0	0	0	0	0
## 4080	0	0	0	0	1	0
## 4081	110	0	0	0	0	1
## 4082	0	1	0	0	0	1
## 4083	0	0	0	0	0	0
## 4084	0	0	0	0	0	0
## 4085	0	0	1	0	0	0
## 4086	0	0	0	0	1	0
## 4087	0	0	1	0	0	0
## 4088	0	1	0	0	0	0
## 4089	0	0	0	0	0	0
## 4090	0	0	0	0	1	0
## 4091	0	0	1	0	1	0
## 4092	0	0	0	0	1	1
## 4093	0	0	0	0	1	0
## 4094	0	1	0	0	1	0
## 4095	0	0	1	0	1	0

## 4096	0	0	0	0	1	0
## 4097	0	0	0	0	0	0
## 4098	0	0	0	0	0	0
## 4099	0	0	0	0	0	0
## 4100	0	0	0	0	1	1
## 4101	0	0	0	0	1	0
## 4102	0	0	0	0	1	1
## 4103	146	0	0	0	1	1
## 4104	196	0	0	0	0	1
## 4105	0	0	0	0	0	0
## 4106	353	0	0	0	1	0
## 4107	0	0	0	0	0	0
## 4108	0	0	0	0	0	1
## 4109	0	0	1	0	0	1
## 4110	0	0	0	0	1	1
## 4111	0	0	0	0	0	0
## 4112	0	0	0	0	0	0
## 4113	104	0	0	0	1	0
## 4114	161	0	0	0	1	0
## 4115	121	0	0	0	0	0
## 4116	180	0	0	0	1	0
## 4117	0	0	0	0	1	0
## 4118	0	0	1	0	0	0
## 4119	0	0	0	0	1	1
## 4120	0	0	0	0	1	0
## 4121	0	0	0	0	0	0
## 4122	0	0	0	0	0	1
## 4123	0	0	0	0	0	0
## 4124	89	0	0	0	1	0
## 4125	0	1	0	0	0	0
## 4126	322	0	0	0	1	1
## 4127	131	0	0	0	0	0
## 4128	0	0	0	0	1	1
## 4129	0	0	0	0	0	0
## 4130	87	0	0	0	1	1
## 4131	125	0	0	0	1	0
## 4132	122	0	0	0	0	0
## 4133	0	0	0	0	1	0
## 4134	0	0	0	0	0	1
## 4135	131	0	0	0	0	0
## 4136	308	0	0	0	1	0
## 4137	0	0	0	0	1	0
## 4138	0	0	0	0	1	0
## 4139	0	0	1	1	1	1
## 4140	0	0	0	0	0	0
## 4141	0	0	0	0	0	0
## 4142	0	0	0	0	0	0
## 4143	0	0	0	0	0	0
## 4144	0	0	0	0	1	0
## 4145	0	0	0	0	1	1
## 4146	0	0	0	0	0	0
## 4147	118	0	0	0	1	0
## 4148	0	1	1	1	1	1
## 4149	0	0	0	0	1	0

## 4150	0	0	0	0	1	0
## 4151	75	0	0	0	1	0
## 4152	0	1	0	1	1	1
## 4153	0	0	0	0	1	0
## 4154	0	0	0	0	1	0
## 4155	0	1	0	0	1	0
## 4156	149	0	0	0	1	1
## 4157	0	0	0	0	0	0
## 4158	0	0	0	0	1	0
## 4159	0	0	0	0	1	1
## 4160	0	0	0	0	1	1
## 4161	0	0	0	0	1	1
## 4162	0	0	0	0	0	0
## 4163	0	0	0	0	1	1
## 4164	0	1	0	0	1	0
## 4165	0	0	0	0	0	1
## 4166	183	1	0	0	0	0
## 4167	86	0	0	0	0	0
## 4168	0	1	0	0	0	0
## 4169	0	1	0	0	1	0
## 4170	209	1	0	0	1	0
## 4171	0	0	0	0	1	1
## 4172	0	0	0	0	1	0
## 4173	182	0	0	0	1	0
## 4174	0	0	0	0	1	0
## 4175	0	0	0	0	1	0
## 4176	0	1	0	1	1	1
## 4177	0	0	0	0	0	1
## 4178	0	0	0	0	0	1
## 4179	278	0	0	0	0	0
## 4180	0	1	0	0	0	0
## 4181	0	0	1	1	1	1
## 4182	0	0	0	0	1	0
## 4183	220	0	0	0	0	1
## 4184	342	0	0	0	0	0
## 4185	0	0	0	0	0	0
## 4186	199	0	0	0	0	0
## 4187	81	0	0	0	0	1
## 4188	103	0	0	0	0	1
## 4189	0	0	0	0	0	0
## 4190	0	0	0	0	0	0
## 4191	216	1	1	1	1	0
## 4192	132	0	0	0	0	0
## 4193	89	0	0	0	1	0
## 4194	0	0	0	0	1	0
## 4195	0	0	0	0	1	0
## 4196	0	0	0	0	0	0
## 4197	0	0	0	0	1	0
## 4198	76	0	1	0	1	0
## 4199	189	0	0	0	1	0
## 4200	0	0	0	0	0	1
## 4201	0	0	0	0	0	1
## 4202	0	0	0	0	1	0
## 4203	0	0	0	0	1	0

## 4204	0	0	0	0	0	0
## 4205	0	0	0	0	0	0
## 4206	0	0	0	0	0	0
## 4207	0	0	0	0	0	0
## 4208	0	0	0	0	1	1
## 4209	241	0	0	0	1	0
## 4210	125	0	0	0	1	0
## 4211	0	0	0	0	0	0
## 4212	0	0	0	0	0	0
## 4213	98	0	0	0	1	0
## 4214	0	0	0	0	0	0
## 4215	0	0	1	1	1	1
## 4216	0	0	0	0	0	0
## 4217	0	1	0	0	1	0
## 4218	105	0	0	0	1	1
## 4219	0	0	0	0	0	1
## 4220	0	0	0	0	0	0
## 4221	0	0	1	0	1	0
## 4222	248	0	0	0	1	0
## 4223	223	0	0	0	0	0
## 4224	0	0	0	0	0	1
## 4225	0	0	1	0	0	1
## 4226	0	0	0	0	1	0
## 4227	0	0	0	0	0	0
## 4228	0	0	1	0	0	0
## 4229	148	0	0	0	0	0
## 4230	0	0	0	0	0	0
## 4231	202	0	0	0	1	1
## 4232	227	0	0	0	1	0
## 4233	0	0	0	0	0	0
## 4234	0	0	0	0	1	0
## 4235	0	0	0	0	1	0
## 4236	0	0	0	0	1	0
## 4237	0	0	0	0	1	1
## 4238	0	0	1	0	0	0
## 4239	464	0	0	0	1	0
## 4240	0	0	0	0	1	0
## 4241	509	0	1	0	0	0
## 4242	0	0	0	0	1	1
## 4243	0	0	0	0	1	0
## 4244	0	0	0	0	1	0
## 4245	93	0	0	0	1	0
## 4246	0	0	0	0	0	1
## 4247	0	0	0	0	0	0
## 4248	0	0	0	0	1	0
## 4249	0	0	1	0	1	0
## 4250	0	0	0	0	1	0
## 4251	0	0	0	0	0	1
## 4252	0	0	0	0	1	0
## 4253	0	0	0	0	0	0
## 4254	0	0	0	0	1	1
## 4255	0	0	0	0	1	0
## 4256	0	0	0	0	1	0
## 4257	157	0	0	0	0	0

## 4258	0	0	0	0	0	1
## 4259	0	1	0	0	1	0
## 4260	251	1	0	0	0	1
## 4261	0	0	0	0	1	0
## 4262	0	0	0	0	0	0
## 4263	0	0	0	0	0	0
## 4264	0	0	0	0	0	0
## 4265	0	0	1	1	1	1
## 4266	0	0	1	1	1	0
## 4267	87	0	0	0	0	1
## 4268	0	1	0	0	1	0
## 4269	0	0	0	0	1	0
## 4270	0	0	0	0	0	0
## 4271	94	0	0	0	1	1
## 4272	0	0	0	0	0	0
## 4273	0	0	0	0	1	0
## 4274	0	0	1	0	0	1
## 4275	0	0	0	0	1	0
## 4276	0	0	0	0	0	0
## 4277	0	0	0	0	1	1
## 4278	0	0	0	0	1	0
## 4279	0	0	0	0	1	1
## 4280	86	0	0	0	1	1
## 4281	0	0	1	1	1	1
## 4282	162	0	0	0	0	1
## 4283	0	1	1	1	1	0
## 4284	217	0	0	1	1	1
## 4285	243	0	0	0	0	0
## 4286	0	0	0	0	1	0
## 4287	131	0	0	0	1	1
## 4288	0	0	0	0	1	1
## 4289	0	0	0	0	0	1
## 4290	0	0	0	0	1	0
## 4291	0	0	0	0	1	0
## 4292	124	0	0	0	1	0
## 4293	205	1	0	0	0	0
## 4294	173	0	0	0	1	1
## 4295	481	0	0	0	1	0
## 4296	146	0	0	0	0	0
## 4297	0	0	0	0	1	0
## 4298	140	0	0	0	1	0
## 4299	0	0	0	0	1	0
## 4300	133	0	0	0	1	0
## 4301	0	0	0	0	1	0
## 4302	281	1	0	1	1	0
## 4303	0	1	0	0	0	0
## 4304	0	0	0	0	1	1
## 4305	80	0	0	0	1	0
## 4306	0	0	1	0	0	0
## 4307	0	0	0	0	1	0
## 4308	0	1	0	0	1	0
## 4309	308	1	0	0	0	0
## 4310	0	1	0	0	1	0
## 4311	0	1	0	1	1	1

## 4312	111	0	0	0	0	0
## 4313	0	0	0	0	1	0
## 4314	0	0	0	0	1	1
## 4315	0	0	0	0	0	0
## 4316	119	0	0	0	1	0
## 4317	0	0	1	0	1	0
## 4318	0	0	0	0	1	0
## 4319	0	0	0	0	0	1
## 4320	0	0	0	0	0	1
## 4321	0	0	0	0	1	0
## 4322	112	0	0	0	0	1
## 4323	0	0	0	0	0	0
## 4324	151	0	1	0	1	0
## 4325	111	0	0	0	1	0
## 4326	0	0	0	0	1	1
## 4327	102	0	0	0	1	0
## 4328	139	0	0	0	0	1
## 4329	0	1	1	1	1	0
## 4330	0	0	0	0	1	0
## 4331	0	0	0	0	0	0
## 4332	306	0	1	1	1	1
## 4333	0	0	0	0	0	1
## 4334	139	0	0	0	1	0
## 4335	0	0	0	0	0	0
## 4336	0	0	0	0	0	1
## 4337	0	0	0	0	0	0
## 4338	0	1	0	0	0	0
## 4339	0	0	0	0	1	0
## 4340	0	0	0	0	0	1
## 4341	0	0	1	1	0	1
## 4342	0	0	0	0	0	0
## 4343	83	0	1	0	1	0
## 4344	0	0	1	0	1	0
## 4345	0	0	0	0	1	0
## 4346	577	1	0	1	1	1
## 4347	136	0	0	1	1	1
## 4348	0	0	0	0	1	0
## 4349	0	0	0	0	0	0
## 4350	193	0	0	0	0	0
## 4351	0	0	0	0	0	1
## 4352	0	0	0	0	1	1
## 4353	0	0	0	0	1	0
## 4354	0	0	0	0	1	1
## 4355	0	1	0	0	0	0
## 4356	0	0	0	0	1	0
## 4357	0	0	0	0	0	0
## 4358	0	1	1	1	1	1
## 4359	79	0	0	0	0	0
## 4360	0	0	0	0	1	0
## 4361	0	0	0	0	0	0
## 4362	196	0	0	0	0	1
## 4363	0	0	0	0	0	0
## 4364	84	0	0	0	1	0
## 4365	0	0	1	0	0	0

## 4366	0	0	0	0	0	0
## 4367	0	0	0	0	0	0
## 4368	319	0	0	0	1	1
## 4369	0	0	1	1	1	1
## 4370	103	0	0	0	1	1
## 4371	0	0	0	0	0	0
## 4372	0	0	0	0	1	0
## 4373	0	0	0	0	0	0
## 4374	0	0	0	0	1	0
## 4375	131	0	0	1	1	1
## 4376	130	0	0	0	0	0
## 4377	272	0	0	0	1	0
## 4378	0	1	0	0	1	0
## 4379	138	0	0	0	1	0
## 4380	0	0	0	0	1	0
## 4381	0	0	0	0	1	0
## 4382	0	0	0	0	1	0
## 4383	0	0	1	0	0	0
## 4384	0	0	0	0	1	0
## 4385	0	0	0	0	0	1
## 4386	127	0	0	0	1	1
## 4387	330	0	0	0	0	0
## 4388	0	0	0	0	0	0
## 4389	0	0	0	0	0	0
## 4390	0	0	1	1	1	1
## 4391	0	0	0	0	1	0
## 4392	0	0	0	0	0	1
## 4393	0	0	0	0	0	0
## 4394	0	0	0	0	0	0
## 4395	103	0	0	0	0	0
## 4396	0	0	0	0	1	1
## 4397	0	0	0	0	1	0
## 4398	0	0	0	0	1	0
## 4399	0	0	0	0	0	0
## 4400	0	0	0	0	0	0
## 4401	0	0	0	0	1	0
## 4402	0	0	0	0	0	1
## 4403	207	0	1	0	0	0
## 4404	0	0	0	0	0	0
## 4405	0	0	0	0	0	0
## 4406	245	0	0	0	1	0
## 4407	137	0	0	0	1	0
## 4408	0	0	0	0	1	1
## 4409	0	1	0	1	1	1
## 4410	102	0	0	0	1	0
## 4411	0	0	0	0	0	0
## 4412	0	0	0	0	1	1
## 4413	0	0	0	0	0	0
## 4414	0	0	0	0	0	1
## 4415	0	1	1	1	1	0
## 4416	220	0	0	0	0	1
## 4417	97	0	0	0	0	0
## 4418	0	0	0	0	1	0
## 4419	198	1	0	0	1	0



## 4420	272	0	0	0	0	0
## 4421	0	0	0	0	1	0
## 4422	100	0	0	0	1	1
## 4423	422	1	0	1	1	1
## 4424	100	0	1	0	0	0
## 4425	0	0	0	0	0	1
## 4426	301	1	0	0	1	0
## 4427	0	0	0	0	1	0
## 4428	0	0	0	0	0	0
## 4429	0	0	1	0	1	0
## 4430	0	0	0	0	1	0
## 4431	0	0	0	0	1	1
## 4432	0	0	0	0	1	0
## 4433	0	0	0	0	1	0
## 4434	0	0	0	0	0	1
## 4435	110	0	0	0	1	0
## 4436	116	0	0	0	0	0
## 4437	0	0	0	0	1	0
## 4438	0	0	0	0	1	0
## 4439	0	0	0	0	0	0
## 4440	0	1	0	0	0	1
## 4441	0	0	0	0	0	0
## 4442	0	0	0	0	0	0
## 4443	83	0	0	0	0	1
## 4444	169	0	0	0	0	0
## 4445	0	0	0	0	1	1
## 4446	82	0	0	0	1	1
## 4447	117	0	0	0	1	1
## 4448	0	0	0	0	1	0
## 4449	0	0	0	0	1	0
## 4450	0	0	0	0	0	1
## 4451	0	0	0	0	1	0
## 4452	0	0	0	0	1	0
## 4453	174	0	0	0	1	0
## 4454	0	0	0	0	0	0
## 4455	0	0	0	0	1	0
## 4456	0	0	1	1	1	1
## 4457	88	0	0	1	1	1
## 4458	171	0	0	0	1	0
## 4459	205	0	0	0	0	0
## 4460	0	0	0	0	0	0
## 4461	0	0	0	0	1	0
## 4462	0	0	0	0	1	0
## 4463	0	0	0	0	1	1
## 4464	0	0	0	0	0	0
## 4465	79	0	0	0	1	1
## 4466	0	0	0	0	0	1
## 4467	0	0	0	1	1	1
## 4468	0	0	0	0	0	0
## 4469	0	0	0	0	1	1
## 4470	0	0	1	1	1	1
## 4471	0	1	0	0	1	0
## 4472	302	0	0	0	0	0
## 4473	0	0	0	0	1	0

## 4474	124	0	0	0	1	1
## 4475	0	0	0	0	0	0
## 4476	91	0	0	0	1	0
## 4477	0	0	0	0	0	0
## 4478	0	0	0	1	1	1
## 4479	0	0	0	0	0	0
## 4480	0	0	0	0	1	0
## 4481	0	1	0	0	1	0
## 4482	0	0	0	0	1	0
## 4483	0	0	0	0	0	0
## 4484	256	0	0	0	1	1
## 4485	0	0	0	0	1	1
## 4486	0	0	0	0	0	0
## 4487	0	0	0	0	0	1
## 4488	0	0	0	0	1	1
## 4489	0	0	0	0	0	0
## 4490	0	0	0	0	1	0
## 4491	0	0	1	0	1	0
## 4492	0	0	0	0	1	0
## 4493	0	0	0	0	1	1
## 4494	0	0	0	0	1	1
## 4495	0	1	0	0	1	0
## 4496	0	0	0	0	0	0
## 4497	0	0	0	0	0	0
## 4498	0	0	1	0	1	0
## 4499	328	0	0	0	0	0
## 4500	0	0	0	0	1	1
## 4501	0	0	0	0	0	1
## 4502	178	0	1	1	1	1
## 4503	0	0	0	0	0	0
## 4504	108	0	0	0	1	0
## 4505	147	0	0	0	0	0
## 4506	0	0	1	0	1	0
## 4507	153	0	0	0	1	1
## 4508	0	0	0	0	0	1
## 4509	0	0	0	0	1	1
## 4510	0	0	0	0	1	0
## 4511	0	0	0	0	0	0
## 4512	0	0	0	0	1	1
## 4513	0	0	0	0	1	1
## 4514	0	0	0	0	1	0
## 4515	0	0	0	0	1	0
## 4516	0	0	0	0	0	0
## 4517	0	0	0	0	1	0
## 4518	0	0	0	0	1	0
## 4519	0	0	0	0	1	0
## 4520	77	0	0	0	0	1
## 4521	0	0	0	0	0	0
## 4522	0	0	0	0	0	0
## 4523	0	0	0	0	0	0
## 4524	0	0	0	0	1	0
## 4525	0	0	0	0	1	1
## 4526	0	0	0	0	1	1
## 4527	129	0	1	0	1	0

## 4528	0	0	0	0	0	1
## 4529	0	0	0	0	0	0
## 4530	0	0	0	0	0	0
## 4531	92	0	0	0	1	0
## 4532	131	0	0	0	0	1
## 4533	0	1	0	0	1	0
## 4534	0	0	0	0	1	0
## 4535	0	0	0	0	1	0
## 4536	0	0	0	0	0	0
## 4537	0	0	0	0	0	0
## 4538	0	0	0	0	1	1
## 4539	0	0	0	0	0	0
## 4540	0	0	0	0	1	0
## 4541	0	0	0	0	1	0
## 4542	405	0	0	0	1	0
## 4543	0	0	1	1	1	1
## 4544	0	0	0	0	1	0
## 4545	0	0	0	0	1	0
## 4546	0	0	0	0	1	0
## 4547	0	0	1	0	1	0
## 4548	0	0	0	0	1	0
## 4549	241	0	0	0	0	0
## 4550	0	0	0	0	1	0
## 4551	0	0	0	0	1	0
## 4552	0	0	0	0	1	0
## 4553	0	0	0	0	0	0
## 4554	192	0	0	0	1	0
## 4555	0	0	1	0	1	0
## 4556	179	0	0	0	0	0
## 4557	0	0	1	0	1	0
## 4558	0	0	0	0	1	0
## 4559	0	0	0	0	1	1
## 4560	270	0	0	0	1	0
## 4561	0	0	0	1	1	1
## 4562	0	0	0	0	0	0
## 4563	0	0	0	0	0	1
## 4564	0	0	1	0	1	0
## 4565	148	0	0	0	0	0
## 4566	76	1	0	0	0	1
## 4567	0	0	0	0	1	0
## 4568	97	0	1	0	1	0
## 4569	0	0	1	0	0	0
## 4570	0	0	1	0	0	0
## 4571	249	0	0	0	1	0
## 4572	0	0	0	0	0	0
## 4573	0	0	0	0	1	0
## 4574	264	0	0	1	1	1
## 4575	0	0	0	0	0	1
## 4576	0	1	0	0	0	0
## 4577	0	0	0	0	1	1
## 4578	0	0	0	0	1	1
## 4579	0	0	0	0	1	1
## 4580	81	0	0	0	1	0
## 4581	0	0	0	0	1	0

## 4582	0	0	0	0	0	1
## 4583	0	0	0	0	1	0
## 4584	0	1	0	0	1	0
## 4585	0	0	0	0	0	0
## 4586	571	1	0	1	1	1
## 4587	0	0	0	0	1	1
## 4588	0	0	0	0	0	0
## 4589	0	0	0	0	0	1
## 4590	0	0	0	0	1	0
## 4591	0	1	0	0	0	0
## 4592	0	0	0	0	1	0
## 4593	154	0	0	0	0	0
## 4594	0	1	0	0	0	1
## 4595	78	0	0	0	1	0
## 4596	0	0	0	0	1	0
## 4597	0	0	0	0	0	0
## 4598	0	0	0	0	0	0
## 4599	0	0	0	0	1	0
## 4600	0	0	0	0	1	0
## 4601	0	0	0	0	0	0
## 4602	0	0	0	0	1	0
## 4603	226	0	0	0	1	1
## 4604	0	0	0	0	1	0
## 4605	0	1	0	0	0	1
## 4606	0	0	0	0	0	0
## 4607	0	0	0	0	1	0
## 4608	0	0	0	0	1	1
## 4609	0	0	0	0	1	0
## 4610	143	0	0	0	0	0
## 4611	104	0	0	0	1	0
## 4612	0	0	0	0	1	0
## 4613	0	0	0	0	1	0
## 4614	218	0	0	0	1	1
## 4615	102	0	0	0	0	0
## 4616	0	0	0	0	1	0
## 4617	0	0	0	0	1	1
## 4618	0	0	0	0	0	1
## 4619	126	0	0	0	1	0
## 4620	96	0	0	0	0	0
## 4621	0	0	0	0	1	0
## 4622	0	0	1	1	1	1
## 4623	0	0	0	0	1	0
## 4624	0	0	0	0	0	0
## 4625	0	0	0	0	0	0
## 4626	81	1	0	0	0	0
## 4627	169	0	0	0	1	0
## 4628	307	1	0	0	1	0
## 4629	0	1	0	0	0	0
## 4630	0	0	0	1	1	1
## 4631	0	0	0	0	0	0
## 4632	120	1	0	1	1	1
## 4633	0	0	0	0	0	1
## 4634	0	0	0	0	1	0
## 4635	0	0	0	0	1	0

## 4636	293	0	1	1	1	1
## 4637	0	0	0	0	1	0
## 4638	0	0	0	0	1	1
## 4639	0	0	0	0	1	0
## 4640	0	0	0	0	1	1
## 4641	0	0	0	0	1	0
## 4642	124	0	0	0	1	1
## 4643	0	1	0	0	1	0
## 4644	0	0	0	0	1	0
## 4645	0	0	0	0	1	0
## 4646	84	0	0	0	0	0
## 4647	0	0	0	0	0	0
## 4648	0	0	0	0	1	0
## 4649	0	0	0	0	1	0
## 4650	0	0	0	0	1	0
## 4651	0	0	0	0	1	0
## 4652	0	0	0	0	0	0
## 4653	0	1	0	0	1	0
## 4654	0	0	0	0	1	1
## 4655	0	0	0	0	0	0
## 4656	581	1	0	0	0	0
## 4657	0	0	1	0	0	0
## 4658	0	0	0	0	0	1
## 4659	0	0	0	0	1	1
## 4660	0	0	0	0	0	0
## 4661	0	0	0	0	1	0
## 4662	0	0	1	0	1	0
## 4663	0	0	0	0	1	0
## 4664	200	0	0	0	1	0
## 4665	0	0	0	0	0	0
## 4666	0	0	0	0	1	0
## 4667	124	0	0	0	0	0
## 4668	0	0	0	0	1	0
## 4669	221	0	0	0	1	0
## 4670	0	0	0	0	1	1
## 4671	0	0	0	0	1	0
## 4672	0	0	0	1	1	1
## 4673	550	0	0	0	1	0
## 4674	88	0	0	0	1	1
## 4675	328	0	1	1	1	1
## 4676	137	0	0	0	1	1
## 4677	0	0	1	0	1	0
## 4678	0	0	0	0	0	0
## 4679	283	0	0	0	1	0
## 4680	0	0	0	0	0	0
## 4681	94	0	0	0	0	0
## 4682	0	0	0	0	0	1
## 4683	0	0	0	0	1	0
## 4684	0	0	0	0	0	0
## 4685	0	0	0	0	1	0
## 4686	0	0	0	0	1	0
## 4687	0	0	0	0	0	0
## 4688	0	0	0	0	1	1
## 4689	0	0	0	0	1	1

## 4690	164	0	0	0	1	1
## 4691	0	0	0	0	1	0
## 4692	0	0	0	0	1	0
## 4693	0	0	0	0	0	1
## 4694	0	0	0	0	0	0
## 4695	0	0	0	0	0	0
## 4696	0	0	0	0	0	1
## 4697	0	0	0	0	0	0
## 4698	167	0	0	0	0	0
## 4699	400	1	0	0	0	0
## 4700	153	0	0	0	0	1
## 4701	0	0	0	0	1	0
## 4702	0	0	0	0	0	0
## 4703	0	1	1	0	0	0
## 4704	0	0	0	0	1	0
## 4705	0	0	0	0	1	0
## 4706	0	1	0	1	1	1
## 4707	0	0	0	0	0	0
## 4708	0	0	1	0	0	1
## 4709	0	0	0	0	1	0
## 4710	119	0	0	0	0	1
## 4711	0	0	0	0	0	1
## 4712	0	0	0	0	0	0
## 4713	0	0	0	0	0	1
## 4714	0	0	0	0	1	0
## 4715	307	0	1	1	1	1
## 4716	150	0	0	0	1	0
## 4717	75	0	1	0	1	0
## 4718	0	0	0	0	1	0
## 4719	0	0	1	0	1	0
## 4720	0	1	0	1	0	1
## 4721	0	0	1	0	0	0
## 4722	0	0	1	0	1	0
## 4723	0	0	0	0	0	0
## 4724	0	0	0	0	1	1
## 4725	0	0	0	0	0	0
## 4726	0	0	0	0	0	0
## 4727	0	0	1	0	1	0
## 4728	0	0	0	0	1	1
## 4729	0	0	0	0	1	0
## 4730	0	0	0	0	0	0
## 4731	159	0	0	0	0	1
## 4732	0	0	0	0	1	1
## 4733	247	0	0	0	0	0
## 4734	0	0	0	0	1	0
## 4735	147	0	0	0	1	1
## 4736	323	0	0	0	1	0
## 4737	0	0	0	0	0	0
## 4738	0	0	0	0	0	0
## 4739	153	0	0	0	1	0
## 4740	0	0	0	0	1	1
## 4741	0	0	0	0	1	0
## 4742	0	0	0	0	1	0
## 4743	90	0	0	0	1	1

## 4744	0	0	0	0	1	0
## 4745	0	0	0	0	1	0
## 4746	0	0	0	0	1	1
## 4747	0	0	0	0	1	0
## 4748	0	0	0	0	1	0
## 4749	144	0	0	0	1	0
## 4750	0	0	0	0	1	0
## 4751	0	0	0	0	0	1
## 4752	0	0	0	0	0	1
## 4753	207	0	0	0	1	0
## 4754	0	0	1	1	1	1
## 4755	161	0	0	0	0	0
## 4756	0	0	0	0	1	0
## 4757	236	0	1	0	0	0
## 4758	0	0	0	0	0	0
## 4759	116	0	0	0	0	0
## 4760	0	0	0	0	1	0
## 4761	0	0	0	0	0	1
## 4762	0	0	0	0	1	1
## 4763	232	0	0	0	1	0
## 4764	0	1	0	0	1	0
## 4765	0	0	0	0	1	1
## 4766	263	0	0	0	0	0
## 4767	0	0	0	0	1	0
## 4768	101	0	1	0	0	0
## 4769	0	0	0	0	1	0
## 4770	116	0	0	0	0	0
## 4771	0	0	0	0	0	1
## 4772	0	0	0	0	1	0
## 4773	0	0	0	0	1	0
## 4774	0	0	0	0	1	0
## 4775	0	0	0	0	1	1
## 4776	171	0	0	0	0	0
## 4777	156	0	0	0	1	0
## 4778	78	0	0	0	1	0
## 4779	0	0	0	0	1	1
## 4780	0	0	0	0	1	0
## 4781	0	0	0	0	1	0
## 4782	0	0	1	0	1	0
## 4783	0	0	0	0	0	1
## 4784	0	0	0	0	0	0
## 4785	0	0	0	0	0	0
## 4786	0	0	1	0	1	0
## 4787	0	0	0	0	1	1
## 4788	121	0	0	0	1	0
## 4789	153	0	0	0	0	0
## 4790	0	0	0	0	1	0
## 4791	150	1	0	0	1	0
## 4792	0	0	0	0	0	1
## 4793	130	0	0	0	1	0
## 4794	155	0	0	0	1	0
## 4795	146	0	0	0	0	0
## 4796	101	0	0	0	1	0
## 4797	0	0	1	0	0	0

## 4798	0	0	0	0	0	0
## 4799	0	0	0	0	0	1
## 4800	142	0	0	0	0	1
## 4801	135	0	0	0	0	0
## 4802	121	0	0	0	1	0
## 4803	0	0	0	0	1	0
## 4804	0	0	0	0	1	0
## 4805	0	0	0	0	0	0
## 4806	249	0	0	0	1	0
## 4807	0	0	0	0	1	0
## 4808	0	0	0	0	1	1
## 4809	0	0	0	0	0	1
## 4810	0	0	0	0	0	0
## 4811	96	0	0	0	1	0
## 4812	0	1	0	0	0	0
## 4813	612	1	0	0	1	0
## 4814	142	0	0	0	1	1
## 4815	0	0	0	0	0	1
## 4816	0	0	0	0	0	1
## 4817	0	0	0	0	0	1
## 4818	0	0	0	0	0	0
## 4819	0	0	0	0	1	0
## 4820	179	0	0	0	0	0
## 4821	0	0	1	1	1	1
## 4822	0	0	0	0	1	1
## 4823	0	0	0	0	1	0
## 4824	0	1	1	1	1	1
## 4825	0	0	0	0	1	0
## 4826	0	0	0	0	1	0
## 4827	225	0	0	0	0	0
## 4828	230	0	0	0	1	0
## 4829	0	0	0	0	1	0
## 4830	80	0	0	0	1	1
## 4831	217	0	0	0	1	0
## 4832	144	0	0	0	0	1
## 4833	0	0	0	0	1	1
## 4834	0	0	0	0	0	0
## 4835	217	0	0	0	0	0
## 4836	113	0	0	0	1	0
## 4837	218	0	0	0	0	1
## 4838	0	0	0	0	0	0
## 4839	0	0	0	0	0	1
## 4840	0	0	0	0	1	0
## 4841	0	0	0	0	1	0
## 4842	135	0	0	0	1	0
## 4843	590	1	0	0	0	0
## 4844	0	0	0	0	1	0
## 4845	313	0	0	0	0	0
## 4846	0	0	0	0	0	0
## 4847	0	1	0	0	1	0
## 4848	260	0	0	0	1	0
## 4849	119	0	0	0	1	0
## 4850	0	0	0	0	1	1
## 4851	0	0	1	0	1	0



## 4852	0	0	0	0	1	0
## 4853	0	0	1	0	0	1
## 4854	0	0	0	0	1	0
## 4855	0	0	0	0	0	1
## 4856	0	0	0	0	1	0
## 4857	0	0	0	0	1	0
## 4858	0	0	0	0	1	1
## 4859	0	0	0	0	1	0
## 4860	541	1	0	0	0	0
## 4861	128	0	0	0	1	0
## 4862	121	0	0	0	1	0
## 4863	0	0	0	0	0	0
## 4864	142	0	0	0	1	0
## 4865	0	0	0	0	1	0
## 4866	342	1	0	0	0	1
## 4867	0	0	0	0	1	1
## 4868	0	0	0	0	1	0
## 4869	118	0	0	0	0	1
## 4870	0	0	0	0	0	1
## 4871	0	0	0	0	1	1
## 4872	187	0	0	0	0	0
## 4873	0	0	0	0	1	1
## 4874	0	0	0	0	1	0
## 4875	0	0	0	0	0	0
## 4876	0	0	0	0	1	0
## 4877	0	1	0	0	0	0
## 4878	0	0	0	0	0	0
## 4879	0	0	0	0	1	0
## 4880	98	0	0	0	0	0
## 4881	0	0	0	0	1	0
## 4882	140	0	0	0	1	0
## 4883	0	0	1	1	1	1
## 4884	0	1	0	1	1	1
## 4885	0	0	0	0	1	1
## 4886	0	0	0	0	1	0
## 4887	0	0	0	0	0	0
## 4888	0	0	0	1	1	1
## 4889	158	0	0	0	1	0
## 4890	0	0	0	0	1	0
## 4891	0	0	0	0	1	0
## 4892	0	0	1	1	1	1
## 4893	120	0	1	0	1	0
## 4894	0	0	1	1	1	1
## 4895	0	0	1	0	0	0
## 4896	0	0	0	0	1	1
## 4897	0	0	0	0	1	0
## 4898	0	0	0	0	0	0
## 4899	96	0	0	0	1	0
## 4900	299	0	0	0	1	0
## 4901	0	0	0	0	1	0
## 4902	0	0	0	0	1	0
## 4903	0	0	0	0	1	0
## 4904	119	0	0	0	1	1
## 4905	243	0	0	0	1	1

## 4906	89	0	0	0	0	0
## 4907	128	0	0	0	0	0
## 4908	0	0	0	0	0	0
## 4909	0	0	0	0	1	0
## 4910	0	0	0	0	0	1
## 4911	0	0	0	0	1	0
## 4912	0	0	0	0	0	0
## 4913	94	0	1	0	1	0
## 4914	0	0	0	0	1	0
## 4915	0	0	0	0	0	1
## 4916	0	0	0	0	0	1
## 4917	0	0	0	0	1	0
## 4918	82	0	1	0	1	0
## 4919	110	0	0	0	0	1
## 4920	0	0	0	0	1	1
## 4921	91	0	0	0	1	1
## 4922	0	0	0	0	1	1
## 4923	0	0	0	0	1	1
## 4924	0	0	0	0	1	1
## 4925	0	0	0	0	0	0
## 4926	0	0	0	0	1	0
## 4927	0	0	0	0	0	1
## 4928	0	1	0	1	1	1
## 4929	98	0	0	0	1	0
## 4930	0	0	0	0	1	0
## 4931	109	0	0	0	1	0
## 4932	0	0	0	0	1	0
## 4933	0	0	0	0	1	0
## 4934	0	0	0	0	1	1
## 4935	0	0	0	0	1	1
## 4936	0	0	0	0	1	0
## 4937	0	0	0	0	0	0
## 4938	0	0	0	1	1	1
## 4939	0	0	0	0	1	0
## 4940	116	0	0	0	1	1
## 4941	0	0	0	0	1	0
## 4942	0	1	0	0	1	0
## 4943	308	0	0	1	1	1
## 4944	0	0	0	0	1	0
## 4945	0	0	0	0	1	0
## 4946	106	0	0	0	0	1
## 4947	0	0	0	0	1	0
## 4948	108	0	0	0	1	1
## 4949	0	0	0	0	0	1
## 4950	249	0	0	0	0	1
## 4951	0	0	0	0	0	1
## 4952	0	0	0	0	1	1
## 4953	0	0	0	0	1	0
## 4954	75	0	0	0	1	0
## 4955	0	0	0	0	1	1
## 4956	0	0	0	0	1	1
## 4957	0	0	1	0	0	1
## 4958	0	0	0	0	0	1
## 4959	0	0	0	0	0	0

## 4960	197	0	1	0	1	0
## 4961	0	0	0	0	1	0
## 4962	0	0	0	0	1	1
## 4963	0	1	0	1	1	1
## 4964	306	0	0	0	0	0
## 4965	0	0	0	0	1	0
## 4966	78	0	0	0	1	0
## 4967	143	0	0	0	0	0
## 4968	0	0	0	0	1	0
## 4969	0	0	0	0	1	1
## 4970	250	0	0	0	1	0
## 4971	0	0	0	0	0	1
## 4972	0	0	1	0	0	0
## 4973	148	0	0	0	1	1
## 4974	0	0	0	0	1	0
## 4975	0	0	0	0	0	1
## 4976	0	0	0	0	1	0
## 4977	0	0	0	0	1	1
## 4978	0	0	0	0	1	0
## 4979	0	0	0	0	1	0
## 4980	213	0	0	0	0	1
## 4981	0	1	0	1	1	1
## 4982	122	0	0	0	1	0
## 4983	0	0	0	0	0	1
## 4984	0	0	0	0	0	0
## 4985	0	0	0	0	0	1
## 4986	162	0	0	0	1	0
## 4987	0	0	0	0	0	0
## 4988	159	0	0	0	1	0
## 4989	136	0	0	0	0	1
## 4990	0	0	0	0	1	0
## 4991	219	0	0	0	0	1
## 4992	100	0	0	0	0	1
## 4993	0	0	0	0	0	0
## 4994	0	0	0	0	1	0
## 4995	0	0	0	0	1	0
## 4996	0	0	0	0	1	0
## 4997	85	0	0	0	1	0
## 4998	0	0	0	0	0	0
## 4999	0	0	0	0	1	0
## 5000	0	0	0	0	1	1

```
library(class)
```

```
## Warning: package 'class' was built under R version 4.0.5
```

```
library(ISLR)
```

```
## Warning: package 'ISLR' was built under R version 4.0.5
```

```
library(dplyr)
```

```
library(caret)
```

```
## Warning: package 'caret' was built under R version 4.0.5
```

```
## Loading required package: ggplot2
```

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

```
## Loading required package: lattice
```

```
set.seed(124)
train.index <- sample(row.names(dummy_cat), 0.6*dim(dummy_cat)[1]) # 60 % of the data into training set
valid.index <- setdiff(row.names(dummy_cat), train.index)
train.df <- dummy_cat[train.index, ]
valid.df <- dummy_cat[valid.index, ]

condition = data.frame(Age = 40, Experience = 10, Income = 84, Family = 2, CCAvg = 2, Education1 = 0, Education2 = 1)

normal <- preProcess(train.df[, -c(10)], method=c("center", "scale")) # normalizing the data
train.df <- predict(normal, train.df) # prediction using normalized data into training model
valid.df <- predict(normal, valid.df) # validating normalized data
condition <- predict(normal, condition)

K1 <- knn(train = train.df[, -c(10)], test = condition, cl = train.df[, 10], k=1, prob=TRUE)
knn.attributes <- attributes(K1)
knn.attributes[3]
```

```
## $prob
```

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

What is a choice of k that balances between overfitting and ignoring the predictor information?

```
accuracy.df <- data.frame(k = seq(1,5,1), accuracy = rep(0,5))

for(i in 1:5) {
  k2 <- knn(train = train.df[, -10], test = valid.df[, -10], cl = train.df[, 10], k=i, prob=TRUE)
  accuracy.df[i, 2] <- confusionMatrix(k2, valid.df[, 10])$overall[1] # for loop to generate accuracy for each k
}
accuracy.df # k=1 has the highest accuracy
```

```
##    k accuracy
## 1 1    0.9635
## 2 2    0.9580
## 3 3    0.9615
## 4 4    0.9605
## 5 5    0.9600
```

Show the confusion matrix for the validation data that results from using the best k.

```
K3<- knn(train = train.df[, -10], test = valid.df[, -10], cl = train.df[, 10], k=1, prob=TRUE)
confusionMatrix(K3, valid.df[, 10])
```

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction    0    1
##           0 1804   53
##           1   20  123
##
##           Accuracy : 0.9635
##           95% CI : (0.9543, 0.9713)
##       No Information Rate : 0.912
##       P-Value [Acc > NIR] : < 2.2e-16
##
##           Kappa : 0.7516
##
##  Mcnemar's Test P-Value : 0.0001802
##
##           Sensitivity : 0.9890
##           Specificity : 0.6989
##       Pos Pred Value : 0.9715
##       Neg Pred Value : 0.8601
##           Prevalence : 0.9120
##       Detection Rate : 0.9020
##       Detection Prevalence : 0.9285
##       Balanced Accuracy : 0.8439
##
##       'Positive' Class : 0
##
```

Consider the following customer: Age = 40, Experience = 10, Income = 84, Family = 2, CCAvg = 2, Education\_1 = 0, Education\_2 = 1, Education\_3 = 0, Mortgage = 0, Securities Account = 0, CD Account = 0, Online = 1 and Credit Card = 1. Classify the customer using the best k.

```
customercl= data.frame(Age = 40, Experience = 10, Income = 84, Family = 2, CCAvg = 2, Education_1 = 0, Education_2 = 1, Education_3 = 0, Mortgage = 0, Securities Account = 0, CD Account = 0, Online = 1, Credit Card = 1)

K4 <- knn(train = train.df[,1:10],test = customercl, cl = train.df[,11], k=3, prob=TRUE)
K4
```

```
## [1] 0
## attr(,"prob")
## [1] 0.6666667
## Levels: 0 1
```

Repartition the data, this time into training, validation, and test sets (50% : 30% : 20%). Apply the k-NN method with the k chosen above. Compare the confusion matrix of the test set with that of the training and validation sets. Comment on the differences and their reason.

```
set.seed(1123)
train.index <- sample(rownames(dummy_cat), 0.5*dim(dummy_cat)[1]) ## 50% of the data partition
set.seed(123)
valid.index <- sample(setdiff(rownames(dummy_cat),train.index), 0.3*dim(dummy_cat)[1]) ## 30 % validation
test.index = setdiff(rownames(dummy_cat), union(train.index, valid.index))

train.df <- dummy_cat[train.index, ]
```

```

valid.df <- dummy_cat[valid.index, ]
test.df <- dummy_cat[test.index, ]

normal <- preProcess(train.df, method=c("center", "scale"))
train.df <- predict(normal, train.df)
valid.df <- predict(normal, valid.df)
test.df <- predict(normal, test.df)

testk <- knn(train = train.df[, -c(10)], test = test.df[, -c(10)], cl = train.df[, 10], k=5, prob=TRUE)
validk <- knn(train = train.df[, -c(10)], test = valid.df[, -c(10)], cl = train.df[, 10], k=3, prob=TRUE)
traink <- knn(train = train.df[, -c(10)], test = train.df[, -c(10)], cl = train.df[, 10], k=4, prob=TRUE)

confusionMatrix(testk, test.df[, 10])

```

```

## Confusion Matrix and Statistics
##
##              Reference
## Prediction    0    1
##              0 908  36
##              1   5  51
##
##              Accuracy : 0.959
##              95% CI : (0.9448, 0.9704)
##              No Information Rate : 0.913
##              P-Value [Acc > NIR] : 9.501e-09
##
##              Kappa : 0.6923
##
##              McNemar's Test P-Value : 2.797e-06
##
##              Sensitivity : 0.9945
##              Specificity : 0.5862
##              Pos Pred Value : 0.9619
##              Neg Pred Value : 0.9107
##              Prevalence : 0.9130
##              Detection Rate : 0.9080
##              Detection Prevalence : 0.9440
##              Balanced Accuracy : 0.7904
##
##              'Positive' Class : 0
##

```

```

confusionMatrix(validk, valid.df[, 10])

```

```

## Confusion Matrix and Statistics
##
##              Reference
## Prediction    0    1
##              0 1346  57
##              1   4   93
##
##              Accuracy : 0.9593
##              95% CI : (0.9481, 0.9688)

```

```
##      No Information Rate : 0.9
##      P-Value [Acc > NIR] : < 2.2e-16
##
##              Kappa : 0.732
##
##  Mcnemar's Test P-Value : 2.777e-11
##
##      Sensitivity : 0.9970
##      Specificity : 0.6200
##      Pos Pred Value : 0.9594
##      Neg Pred Value : 0.9588
##      Prevalence : 0.9000
##      Detection Rate : 0.8973
##      Detection Prevalence : 0.9353
##      Balanced Accuracy : 0.8085
##
##      'Positive' Class : 0
##
```

```
confusionMatrix(traink, train.df[,10])
```

```
## Confusion Matrix and Statistics
##
##      Reference
## Prediction    0    1
##      0 2249    64
##      1    8   179
##
##      Accuracy : 0.9712
##      95% CI : (0.9639, 0.9774)
##      No Information Rate : 0.9028
##      P-Value [Acc > NIR] : < 2.2e-16
##
##              Kappa : 0.8171
##
##  Mcnemar's Test P-Value : 9.063e-11
##
##      Sensitivity : 0.9965
##      Specificity : 0.7366
##      Pos Pred Value : 0.9723
##      Neg Pred Value : 0.9572
##      Prevalence : 0.9028
##      Detection Rate : 0.8996
##      Detection Prevalence : 0.9252
##      Balanced Accuracy : 0.8665
##
##      'Positive' Class : 0
##
```