

Variable Transformation

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Variables contained in a dataset seldom come in an analysis-ready format. Certain variables may need to be transformed before they can be used for predictive analysis. The nature and types of transformation depend on whether the variable is categorical or numeric. We will first examine transformations for categorical variables before moving on to numeric variables.

Categorical Variables

A variable containing a set of discrete levels is said to be categorical. Other labels used to characterize this type of data include qualitative variable, non-metric variable and discrete variable. Given below are some examples of categorical variables.

```
cat_demo =
data.frame(gender = sample(c('Male','Female'),size = 10,T),
           age_group = sample( c('18-29','30-39','40-49','50-59','60 or over'),size = 10,T),
           marital_status = sample(c('married','widowed','divorced','separated','never married'),size = 10,T),
           ethnicity = sample(c('White','Black or African American','Native American','Asian','Hispanic'),size = 10,T),
           zip_code = factor(sample(10001:10055,10,T)))

cat_demo
```

##	gender	age_group	marital_status	ethnicity	zip_code
## 1	Male	30-39	divorced	Hispanic	10044
## 2	Male	60 or over	widowed	Black or African American	10019
## 3	Female	30-39	never married	White	10010
## 4	Male	60 or over	never married	Native American	10017
## 5	Female	40-49	divorced	White	10017
## 6	Male	50-59	widowed	Hispanic	10001
## 7	Female	18-29	married	Other	10005
## 8	Female	18-29	widowed	Hispanic	10036
## 9	Female	18-29	divorced	Native American	10022
## 10	Male	50-59	separated	Other	10028

Note the following characteristics of the variables:

1. gender takes on two non-numeric values

2. age_group has five age categories that are ordered. The values of age are in character form
3. marital status has five non-numeric values. These values would not be expected to have an order
4. ethnicity has six non-numeric values that are unordered
5. zip_code has numeric values but the numbers are no more than identifiers of an area

With categorical variables, it is not possible to perform standard operations such as mean and standard deviation in general and barring a few exceptions (such as Tree and Tree-based models) cannot be used in their native form in a predictive model.

Data

To illustrate techniques for variable transformation, we will make use of some survey data gathered by a marketing researcher interested in examining the relationship between health consciousness and fast food. Data consists of 1. Health consciousness survey items scored on a scale of 1-7 (1 is strongly disagree, 7 is strongly agree) health1: I am concerned about my health health2: I watch what I eat health3: I usually read ingredients on food labels 2. Fastfood restaurant ratings scored on a 1-7 scale (1 is extremely bad, 7 is extremely good) mcdonalds: Rating of food at McDonalds chipotle: Rating of food at Chipotle shake_shack: Rating of food at Shake Shack 3. Fastfood restaurant Ranking (1-3 where 1 is most preferred) rank_mcdonalds: Rank of McDonads rank_chipotle: Rank of Chipotle rank_shake_shack: Rank of Shake Shack 4. Demographics of respondent gender: Male, Female age: 18-29, 30-39,40-49,50-59,60+ marital_status: married, widowed, divorced, separated, never married location (of restaurant): Manhattan, Brooklyn, Queens, New Jersey duration: time in seconds to complete the survey

```
df = read.csv('c:/myfiles/teaching/AppliedAnalytics_FM1/Slides/3_DataTidying/fastfood.csv')
str(df)
```

```
## 'data.frame':    2000 obs. of  15 variables:
## $ id            : int  1 2 3 4 5 6 7 8 9 10 ...
## $ health1       : int  1 6 4 1 1 1 1 3 3 3 ...
## $ health2       : int  1 3 3 1 1 1 1 1 2 3 ...
## $ health3       : int  1 5 4 1 1 1 1 2 3 3 ...
## $ mcdonalds     : int  6 5 4 1 7 1 3 1 7 7 ...
## $ chipotle      : int  7 7 2 4 3 6 5 1 2 7 ...
## $ shake_shack    : int  3 4 7 3 1 1 5 2 5 6 ...
## $ gender        : chr   "Male" "Female" "Female" "Male" ...
## $ age           : chr   "18-29" "50-59" "30-39" "40-49" ...
## $ marital_status : chr   "never married" "never married" "never married" "married" ...
## $ location      : chr   "Manhattan" "New Jersey" "Brooklyn" "Brooklyn" ...
## $ duration      : num   119 222 261 146 236 ...
## $ rank_chipotle  : int   3 3 1 3 2 3 2 2 1 3 ...
## $ rank_mcdonalds : int   2 2 2 1 3 1 1 1 3 2 ...
## $ rank_shake_shack: int   1 1 3 2 1 2 3 3 2 1 ...
```

Dummy Variables

The most common approach to prepare categorical variables for predictive models is to dummy code them. A categorical variable with k levels is represented using k-1 dummy variables, where one of the levels serves as a reference level. A dummy variable can only take on two values, 0 and 1. We will examine dummy coding and other variable transformations using fast food survey data.

In this data, age has five categories.

```
table(df$age)

##
##      18-29      30-39      40-49      50-59 60 or over
##      413      614      626      309      38
```

Since age has five levels, it can be represented using 4 (=5-1) dummy variables. In the following illustration, dummy variables are manually created. The first level is used as a reference level, so it does not have a dummy variable representing it.

```
df2 = df
df2$age30_39 = ifelse(test = df$age=='30-39',1,0)
df2$age40_49 = ifelse(test = df$age=='40-49',1,0)
df2$age50_59 = ifelse(test = df$age=='50-59',1,0)
df2$age60_or_over = ifelse(test = df$age=='60 or over',1,0)
head(df2)
```

##	id	health1	health2	health3	mcdonalds	chipotle	shake_shack	gender	age
## 1	1	1	1	1	6	7	3	Male	18-29
## 2	2	6	3	5	5	7	4	Female	50-59
## 3	3	4	3	4	4	2	7	Female	30-39
## 4	4	1	1	1	1	4	3	Male	40-49
## 5	5	1	1	1	7	3	1	Female	30-39
## 6	6	1	1	1	1	6	1	Female	40-49

```
## marital_status location duration rank_chipotle rank_mcdonalds
## 1 never married Manhattan 119.3383 3 2
## 2 never married New Jersey 221.9706 3 2
## 3 never married Brooklyn 260.7133 1 2
## 4 married Brooklyn 146.2676 3 1
## 5 never married Brooklyn 235.9876 2 3
## 6 never married Manhattan 199.9097 3 1
## rank_shake_shack age30_39 age40_49 age50_59 age60_or_over
## 1 1 0 0 0 0
## 2 1 0 0 1 0
## 3 3 1 0 0 0
## 4 2 0 1 0 0
## 5 1 1 0 0 0
## 6 2 0 1 0 0
```

```
library(tidyr); library(dplyr)
df2 %>%
  select(starts_with("age"))
```

##	age	age30_39	age40_49	age50_59	age60_or_over
## 1	18-29	0	0	0	0
## 2	50-59	0	0	1	0
## 3	30-39	1	0	0	0
## 4	40-49	0	1	0	0
## 5	30-39	1	0	0	0
## 6	40-49	0	1	0	0
## 7	18-29	0	0	0	0
## 8	50-59	0	0	1	0
## 9	18-29	0	0	0	0
## 10	18-29	0	0	0	0
## 11	40-49	0	1	0	0
## 12	30-39	1	0	0	0
## 13	40-49	0	1	0	0
## 14	40-49	0	1	0	0
## 15	40-49	0	1	0	0
## 16	18-29	0	0	0	0
## 17	40-49	0	1	0	0
## 18	50-59	0	0	1	0

## 19	40-49	0	1	0	0
## 20	40-49	0	1	0	0
## 21	40-49	0	1	0	0
## 22	40-49	0	1	0	0
## 23	40-49	0	1	0	0
## 24	30-39	1	0	0	0
## 25	50-59	0	0	1	0
## 26	40-49	0	1	0	0
## 27	30-39	1	0	0	0
## 28	50-59	0	0	1	0
## 29	40-49	0	1	0	0
## 30	40-49	0	1	0	0
## 31	50-59	0	0	1	0
## 32	18-29	0	0	0	0
## 33	30-39	1	0	0	0
## 34	40-49	0	1	0	0
## 35	40-49	0	1	0	0
## 36	18-29	0	0	0	0
## 37	18-29	0	0	0	0
## 38	50-59	0	0	1	0
## 39	30-39	1	0	0	0
## 40	50-59	0	0	1	0
## 41	40-49	0	1	0	0
## 42	40-49	0	1	0	0
## 43	18-29	0	0	0	0
## 44	30-39	1	0	0	0
## 45	50-59	0	0	1	0
## 46	40-49	0	1	0	0
## 47	50-59	0	0	1	0
## 48	30-39	1	0	0	0
## 49	18-29	0	0	0	0
## 50	40-49	0	1	0	0
## 51	18-29	0	0	0	0
## 52	18-29	0	0	0	0
## 53	40-49	0	1	0	0
## 54	18-29	0	0	0	0
## 55	40-49	0	1	0	0
## 56	40-49	0	1	0	0
## 57	18-29	0	0	0	0
## 58	40-49	0	1	0	0
## 59	50-59	0	0	1	0
## 60	40-49	0	1	0	0
## 61	30-39	1	0	0	0
## 62	30-39	1	0	0	0
## 63	30-39	1	0	0	0
## 64	50-59	0	0	1	0
## 65	50-59	0	0	1	0
## 66	30-39	1	0	0	0
## 67	30-39	1	0	0	0
## 68	40-49	0	1	0	0
## 69	30-39	1	0	0	0
## 70	40-49	0	1	0	0
## 71	18-29	0	0	0	0
## 72	50-59	0	0	1	0

## 73	40-49	0	1	0	0
## 74	30-39	1	0	0	0
## 75	30-39	1	0	0	0
## 76	30-39	1	0	0	0
## 77	30-39	1	0	0	0
## 78	30-39	1	0	0	0
## 79	40-49	0	1	0	0
## 80	40-49	0	1	0	0
## 81	40-49	0	1	0	0
## 82	50-59	0	0	1	0
## 83	60 or over	0	0	0	1
## 84	18-29	0	0	0	0
## 85	50-59	0	0	1	0
## 86	30-39	1	0	0	0
## 87	40-49	0	1	0	0
## 88	18-29	0	0	0	0
## 89	40-49	0	1	0	0
## 90	30-39	1	0	0	0
## 91	40-49	0	1	0	0
## 92	18-29	0	0	0	0
## 93	18-29	0	0	0	0
## 94	50-59	0	0	1	0
## 95	40-49	0	1	0	0
## 96	40-49	0	1	0	0
## 97	40-49	0	1	0	0
## 98	40-49	0	1	0	0
## 99	30-39	1	0	0	0
## 100	40-49	0	1	0	0
## 101	40-49	0	1	0	0
## 102	60 or over	0	0	0	1
## 103	50-59	0	0	1	0
## 104	40-49	0	1	0	0
## 105	30-39	1	0	0	0
## 106	50-59	0	0	1	0
## 107	18-29	0	0	0	0
## 108	30-39	1	0	0	0
## 109	40-49	0	1	0	0
## 110	50-59	0	0	1	0
## 111	40-49	0	1	0	0
## 112	50-59	0	0	1	0
## 113	50-59	0	0	1	0
## 114	18-29	0	0	0	0
## 115	30-39	1	0	0	0
## 116	50-59	0	0	1	0
## 117	40-49	0	1	0	0
## 118	18-29	0	0	0	0
## 119	50-59	0	0	1	0
## 120	40-49	0	1	0	0
## 121	18-29	0	0	0	0
## 122	30-39	1	0	0	0
## 123	18-29	0	0	0	0
## 124	30-39	1	0	0	0
## 125	18-29	0	0	0	0
## 126	30-39	1	0	0	0

## 127	40-49	0	1	0	0
## 128	40-49	0	1	0	0
## 129	40-49	0	1	0	0
## 130	18-29	0	0	0	0
## 131	18-29	0	0	0	0
## 132	40-49	0	1	0	0
## 133	18-29	0	0	0	0
## 134	40-49	0	1	0	0
## 135	30-39	1	0	0	0
## 136	50-59	0	0	1	0
## 137	18-29	0	0	0	0
## 138	30-39	1	0	0	0
## 139	18-29	0	0	0	0
## 140	40-49	0	1	0	0
## 141	40-49	0	1	0	0
## 142	50-59	0	0	1	0
## 143	30-39	1	0	0	0
## 144	18-29	0	0	0	0
## 145	18-29	0	0	0	0
## 146	30-39	1	0	0	0
## 147	40-49	0	1	0	0
## 148	30-39	1	0	0	0
## 149	18-29	0	0	0	0
## 150	40-49	0	1	0	0
## 151	30-39	1	0	0	0
## 152	30-39	1	0	0	0
## 153	30-39	1	0	0	0
## 154	18-29	0	0	0	0
## 155	40-49	0	1	0	0
## 156	40-49	0	1	0	0
## 157	40-49	0	1	0	0
## 158	18-29	0	0	0	0
## 159	30-39	1	0	0	0
## 160	40-49	0	1	0	0
## 161	40-49	0	1	0	0
## 162	30-39	1	0	0	0
## 163	40-49	0	1	0	0
## 164	40-49	0	1	0	0
## 165	40-49	0	1	0	0
## 166	60 or over	0	0	0	1
## 167	18-29	0	0	0	0
## 168	40-49	0	1	0	0
## 169	30-39	1	0	0	0
## 170	40-49	0	1	0	0
## 171	40-49	0	1	0	0
## 172	30-39	1	0	0	0
## 173	18-29	0	0	0	0
## 174	18-29	0	0	0	0
## 175	40-49	0	1	0	0
## 176	60 or over	0	0	0	1
## 177	40-49	0	1	0	0
## 178	40-49	0	1	0	0
## 179	18-29	0	0	0	0
## 180	40-49	0	1	0	0

## 181	30-39	1	0	0	0
## 182	18-29	0	0	0	0
## 183	18-29	0	0	0	0
## 184	18-29	0	0	0	0
## 185	40-49	0	1	0	0
## 186	40-49	0	1	0	0
## 187	30-39	1	0	0	0
## 188	40-49	0	1	0	0
## 189	18-29	0	0	0	0
## 190	30-39	1	0	0	0
## 191	30-39	1	0	0	0
## 192	18-29	0	0	0	0
## 193	18-29	0	0	0	0
## 194	60 or over	0	0	0	1
## 195	50-59	0	0	1	0
## 196	40-49	0	1	0	0
## 197	30-39	1	0	0	0
## 198	40-49	0	1	0	0
## 199	40-49	0	1	0	0
## 200	40-49	0	1	0	0
## 201	30-39	1	0	0	0
## 202	18-29	0	0	0	0
## 203	30-39	1	0	0	0
## 204	18-29	0	0	0	0
## 205	40-49	0	1	0	0
## 206	30-39	1	0	0	0
## 207	40-49	0	1	0	0
## 208	40-49	0	1	0	0
## 209	18-29	0	0	0	0
## 210	18-29	0	0	0	0
## 211	40-49	0	1	0	0
## 212	30-39	1	0	0	0
## 213	40-49	0	1	0	0
## 214	40-49	0	1	0	0
## 215	40-49	0	1	0	0
## 216	50-59	0	0	1	0
## 217	18-29	0	0	0	0
## 218	50-59	0	0	1	0
## 219	18-29	0	0	0	0
## 220	50-59	0	0	1	0
## 221	40-49	0	1	0	0
## 222	18-29	0	0	0	0
## 223	18-29	0	0	0	0
## 224	30-39	1	0	0	0
## 225	40-49	0	1	0	0
## 226	60 or over	0	0	0	1
## 227	30-39	1	0	0	0
## 228	30-39	1	0	0	0
## 229	40-49	0	1	0	0
## 230	18-29	0	0	0	0
## 231	30-39	1	0	0	0
## 232	50-59	0	0	1	0
## 233	50-59	0	0	1	0
## 234	30-39	1	0	0	0

## 235	40-49	0	1	0	0
## 236	30-39	1	0	0	0
## 237	18-29	0	0	0	0
## 238	30-39	1	0	0	0
## 239	40-49	0	1	0	0
## 240	18-29	0	0	0	0
## 241	50-59	0	0	1	0
## 242	40-49	0	1	0	0
## 243	50-59	0	0	1	0
## 244	30-39	1	0	0	0
## 245	40-49	0	1	0	0
## 246	18-29	0	0	0	0
## 247	30-39	1	0	0	0
## 248	50-59	0	0	1	0
## 249	30-39	1	0	0	0
## 250	50-59	0	0	1	0
## 251	40-49	0	1	0	0
## 252	50-59	0	0	1	0
## 253	40-49	0	1	0	0
## 254	18-29	0	0	0	0
## 255	18-29	0	0	0	0
## 256	18-29	0	0	0	0
## 257	30-39	1	0	0	0
## 258	40-49	0	1	0	0
## 259	18-29	0	0	0	0
## 260	18-29	0	0	0	0
## 261	18-29	0	0	0	0
## 262	40-49	0	1	0	0
## 263	40-49	0	1	0	0
## 264	30-39	1	0	0	0
## 265	30-39	1	0	0	0
## 266	30-39	1	0	0	0
## 267	40-49	0	1	0	0
## 268	40-49	0	1	0	0
## 269	40-49	0	1	0	0
## 270	50-59	0	0	1	0
## 271	50-59	0	0	1	0
## 272	40-49	0	1	0	0
## 273	30-39	1	0	0	0
## 274	40-49	0	1	0	0
## 275	18-29	0	0	0	0
## 276	18-29	0	0	0	0
## 277	30-39	1	0	0	0
## 278	30-39	1	0	0	0
## 279	18-29	0	0	0	0
## 280	40-49	0	1	0	0
## 281	18-29	0	0	0	0
## 282	18-29	0	0	0	0
## 283	18-29	0	0	0	0
## 284	40-49	0	1	0	0
## 285	18-29	0	0	0	0
## 286	40-49	0	1	0	0
## 287	40-49	0	1	0	0
## 288	30-39	1	0	0	0

## 289	40-49	0	1	0	0
## 290	18-29	0	0	0	0
## 291	40-49	0	1	0	0
## 292	40-49	0	1	0	0
## 293	30-39	1	0	0	0
## 294	18-29	0	0	0	0
## 295	18-29	0	0	0	0
## 296	50-59	0	0	1	0
## 297	40-49	0	1	0	0
## 298	30-39	1	0	0	0
## 299	40-49	0	1	0	0
## 300	18-29	0	0	0	0
## 301	30-39	1	0	0	0
## 302	40-49	0	1	0	0
## 303	18-29	0	0	0	0
## 304	30-39	1	0	0	0
## 305	40-49	0	1	0	0
## 306	50-59	0	0	1	0
## 307	30-39	1	0	0	0
## 308	40-49	0	1	0	0
## 309	30-39	1	0	0	0
## 310	30-39	1	0	0	0
## 311	50-59	0	0	1	0
## 312	30-39	1	0	0	0
## 313	30-39	1	0	0	0
## 314	40-49	0	1	0	0
## 315	18-29	0	0	0	0
## 316	30-39	1	0	0	0
## 317	50-59	0	0	1	0
## 318	50-59	0	0	1	0
## 319	18-29	0	0	0	0
## 320	18-29	0	0	0	0
## 321	18-29	0	0	0	0
## 322	40-49	0	1	0	0
## 323	50-59	0	0	1	0
## 324	40-49	0	1	0	0
## 325	40-49	0	1	0	0
## 326	30-39	1	0	0	0
## 327	30-39	1	0	0	0
## 328	30-39	1	0	0	0
## 329	40-49	0	1	0	0
## 330	40-49	0	1	0	0
## 331	40-49	0	1	0	0
## 332	40-49	0	1	0	0
## 333	30-39	1	0	0	0
## 334	30-39	1	0	0	0
## 335	30-39	1	0	0	0
## 336	18-29	0	0	0	0
## 337	40-49	0	1	0	0
## 338	30-39	1	0	0	0
## 339	40-49	0	1	0	0
## 340	30-39	1	0	0	0
## 341	18-29	0	0	0	0
## 342	30-39	1	0	0	0

## 343	18-29	0	0	0	0
## 344	60 or over	0	0	0	1
## 345	40-49	0	1	0	0
## 346	30-39	1	0	0	0
## 347	40-49	0	1	0	0
## 348	40-49	0	1	0	0
## 349	18-29	0	0	0	0
## 350	40-49	0	1	0	0
## 351	40-49	0	1	0	0
## 352	50-59	0	0	1	0
## 353	40-49	0	1	0	0
## 354	30-39	1	0	0	0
## 355	18-29	0	0	0	0
## 356	50-59	0	0	1	0
## 357	40-49	0	1	0	0
## 358	30-39	1	0	0	0
## 359	18-29	0	0	0	0
## 360	30-39	1	0	0	0
## 361	30-39	1	0	0	0
## 362	30-39	1	0	0	0
## 363	30-39	1	0	0	0
## 364	30-39	1	0	0	0
## 365	30-39	1	0	0	0
## 366	40-49	0	1	0	0
## 367	18-29	0	0	0	0
## 368	40-49	0	1	0	0
## 369	50-59	0	0	1	0
## 370	18-29	0	0	0	0
## 371	40-49	0	1	0	0
## 372	18-29	0	0	0	0
## 373	30-39	1	0	0	0
## 374	40-49	0	1	0	0
## 375	30-39	1	0	0	0
## 376	18-29	0	0	0	0
## 377	40-49	0	1	0	0
## 378	50-59	0	0	1	0
## 379	30-39	1	0	0	0
## 380	50-59	0	0	1	0
## 381	50-59	0	0	1	0
## 382	40-49	0	1	0	0
## 383	50-59	0	0	1	0
## 384	18-29	0	0	0	0
## 385	30-39	1	0	0	0
## 386	18-29	0	0	0	0
## 387	40-49	0	1	0	0
## 388	18-29	0	0	0	0
## 389	30-39	1	0	0	0
## 390	18-29	0	0	0	0
## 391	40-49	0	1	0	0
## 392	18-29	0	0	0	0
## 393	30-39	1	0	0	0
## 394	40-49	0	1	0	0
## 395	18-29	0	0	0	0
## 396	40-49	0	1	0	0

## 397	40-49	0	1	0	0
## 398	40-49	0	1	0	0
## 399	30-39	1	0	0	0
## 400	30-39	1	0	0	0
## 401	30-39	1	0	0	0
## 402	50-59	0	0	1	0
## 403	30-39	1	0	0	0
## 404	60 or over	0	0	0	1
## 405	18-29	0	0	0	0
## 406	40-49	0	1	0	0
## 407	30-39	1	0	0	0
## 408	18-29	0	0	0	0
## 409	30-39	1	0	0	0
## 410	40-49	0	1	0	0
## 411	30-39	1	0	0	0
## 412	50-59	0	0	1	0
## 413	50-59	0	0	1	0
## 414	30-39	1	0	0	0
## 415	40-49	0	1	0	0
## 416	40-49	0	1	0	0
## 417	40-49	0	1	0	0
## 418	30-39	1	0	0	0
## 419	18-29	0	0	0	0
## 420	30-39	1	0	0	0
## 421	50-59	0	0	1	0
## 422	50-59	0	0	1	0
## 423	18-29	0	0	0	0
## 424	30-39	1	0	0	0
## 425	18-29	0	0	0	0
## 426	18-29	0	0	0	0
## 427	60 or over	0	0	0	1
## 428	40-49	0	1	0	0
## 429	18-29	0	0	0	0
## 430	40-49	0	1	0	0
## 431	50-59	0	0	1	0
## 432	30-39	1	0	0	0
## 433	40-49	0	1	0	0
## 434	40-49	0	1	0	0
## 435	40-49	0	1	0	0
## 436	40-49	0	1	0	0
## 437	30-39	1	0	0	0
## 438	40-49	0	1	0	0
## 439	40-49	0	1	0	0
## 440	30-39	1	0	0	0
## 441	40-49	0	1	0	0
## 442	40-49	0	1	0	0
## 443	18-29	0	0	0	0
## 444	60 or over	0	0	0	1
## 445	18-29	0	0	0	0
## 446	40-49	0	1	0	0
## 447	40-49	0	1	0	0
## 448	50-59	0	0	1	0
## 449	18-29	0	0	0	0
## 450	40-49	0	1	0	0

## 451	40-49	0	1	0	0
## 452	30-39	1	0	0	0
## 453	30-39	1	0	0	0
## 454	50-59	0	0	1	0
## 455	18-29	0	0	0	0
## 456	40-49	0	1	0	0
## 457	30-39	1	0	0	0
## 458	30-39	1	0	0	0
## 459	40-49	0	1	0	0
## 460	30-39	1	0	0	0
## 461	50-59	0	0	1	0
## 462	18-29	0	0	0	0
## 463	30-39	1	0	0	0
## 464	40-49	0	1	0	0
## 465	40-49	0	1	0	0
## 466	30-39	1	0	0	0
## 467	40-49	0	1	0	0
## 468	40-49	0	1	0	0
## 469	50-59	0	0	1	0
## 470	40-49	0	1	0	0
## 471	18-29	0	0	0	0
## 472	50-59	0	0	1	0
## 473	50-59	0	0	1	0
## 474	40-49	0	1	0	0
## 475	30-39	1	0	0	0
## 476	40-49	0	1	0	0
## 477	40-49	0	1	0	0
## 478	50-59	0	0	1	0
## 479	18-29	0	0	0	0
## 480	40-49	0	1	0	0
## 481	40-49	0	1	0	0
## 482	40-49	0	1	0	0
## 483	30-39	1	0	0	0
## 484	40-49	0	1	0	0
## 485	30-39	1	0	0	0
## 486	30-39	1	0	0	0
## 487	18-29	0	0	0	0
## 488	18-29	0	0	0	0
## 489	40-49	0	1	0	0
## 490	18-29	0	0	0	0
## 491	18-29	0	0	0	0
## 492	50-59	0	0	1	0
## 493	30-39	1	0	0	0
## 494	18-29	0	0	0	0
## 495	30-39	1	0	0	0
## 496	40-49	0	1	0	0
## 497	30-39	1	0	0	0
## 498	30-39	1	0	0	0
## 499	40-49	0	1	0	0
## 500	40-49	0	1	0	0
## 501	30-39	1	0	0	0
## 502	30-39	1	0	0	0
## 503	30-39	1	0	0	0
## 504	18-29	0	0	0	0

## 505	40-49	0	1	0	0
## 506	18-29	0	0	0	0
## 507	30-39	1	0	0	0
## 508	30-39	1	0	0	0
## 509	30-39	1	0	0	0
## 510	50-59	0	0	1	0
## 511	18-29	0	0	0	0
## 512	30-39	1	0	0	0
## 513	30-39	1	0	0	0
## 514	40-49	0	1	0	0
## 515	40-49	0	1	0	0
## 516	50-59	0	0	1	0
## 517	30-39	1	0	0	0
## 518	30-39	1	0	0	0
## 519	18-29	0	0	0	0
## 520	40-49	0	1	0	0
## 521	30-39	1	0	0	0
## 522	40-49	0	1	0	0
## 523	18-29	0	0	0	0
## 524	18-29	0	0	0	0
## 525	30-39	1	0	0	0
## 526	50-59	0	0	1	0
## 527	40-49	0	1	0	0
## 528	40-49	0	1	0	0
## 529	40-49	0	1	0	0
## 530	30-39	1	0	0	0
## 531	18-29	0	0	0	0
## 532	40-49	0	1	0	0
## 533	18-29	0	0	0	0
## 534	30-39	1	0	0	0
## 535	18-29	0	0	0	0
## 536	30-39	1	0	0	0
## 537	30-39	1	0	0	0
## 538	30-39	1	0	0	0
## 539	50-59	0	0	1	0
## 540	50-59	0	0	1	0
## 541	30-39	1	0	0	0
## 542	30-39	1	0	0	0
## 543	40-49	0	1	0	0
## 544	30-39	1	0	0	0
## 545	30-39	1	0	0	0
## 546	30-39	1	0	0	0
## 547	30-39	1	0	0	0
## 548	40-49	0	1	0	0
## 549	50-59	0	0	1	0
## 550	18-29	0	0	0	0
## 551	18-29	0	0	0	0
## 552	30-39	1	0	0	0
## 553	30-39	1	0	0	0
## 554	30-39	1	0	0	0
## 555	18-29	0	0	0	0
## 556	40-49	0	1	0	0
## 557	18-29	0	0	0	0
## 558	40-49	0	1	0	0

## 559	40-49	0	1	0	0
## 560	40-49	0	1	0	0
## 561	50-59	0	0	1	0
## 562	30-39	1	0	0	0
## 563	50-59	0	0	1	0
## 564	40-49	0	1	0	0
## 565	50-59	0	0	1	0
## 566	30-39	1	0	0	0
## 567	50-59	0	0	1	0
## 568	18-29	0	0	0	0
## 569	18-29	0	0	0	0
## 570	30-39	1	0	0	0
## 571	50-59	0	0	1	0
## 572	30-39	1	0	0	0
## 573	50-59	0	0	1	0
## 574	40-49	0	1	0	0
## 575	30-39	1	0	0	0
## 576	30-39	1	0	0	0
## 577	18-29	0	0	0	0
## 578	30-39	1	0	0	0
## 579	30-39	1	0	0	0
## 580	50-59	0	0	1	0
## 581	40-49	0	1	0	0
## 582	50-59	0	0	1	0
## 583	30-39	1	0	0	0
## 584	60 or over	0	0	0	1
## 585	30-39	1	0	0	0
## 586	50-59	0	0	1	0
## 587	30-39	1	0	0	0
## 588	40-49	0	1	0	0
## 589	30-39	1	0	0	0
## 590	40-49	0	1	0	0
## 591	40-49	0	1	0	0
## 592	40-49	0	1	0	0
## 593	18-29	0	0	0	0
## 594	40-49	0	1	0	0
## 595	40-49	0	1	0	0
## 596	50-59	0	0	1	0
## 597	40-49	0	1	0	0
## 598	18-29	0	0	0	0
## 599	40-49	0	1	0	0
## 600	40-49	0	1	0	0
## 601	30-39	1	0	0	0
## 602	40-49	0	1	0	0
## 603	50-59	0	0	1	0
## 604	18-29	0	0	0	0
## 605	50-59	0	0	1	0
## 606	40-49	0	1	0	0
## 607	30-39	1	0	0	0
## 608	50-59	0	0	1	0
## 609	18-29	0	0	0	0
## 610	30-39	1	0	0	0
## 611	40-49	0	1	0	0
## 612	18-29	0	0	0	0

## 613	40-49	0	1	0	0
## 614	30-39	1	0	0	0
## 615	40-49	0	1	0	0
## 616	40-49	0	1	0	0
## 617	30-39	1	0	0	0
## 618	30-39	1	0	0	0
## 619	40-49	0	1	0	0
## 620	40-49	0	1	0	0
## 621	18-29	0	0	0	0
## 622	40-49	0	1	0	0
## 623	50-59	0	0	1	0
## 624	30-39	1	0	0	0
## 625	40-49	0	1	0	0
## 626	18-29	0	0	0	0
## 627	30-39	1	0	0	0
## 628	40-49	0	1	0	0
## 629	30-39	1	0	0	0
## 630	40-49	0	1	0	0
## 631	40-49	0	1	0	0
## 632	30-39	1	0	0	0
## 633	30-39	1	0	0	0
## 634	30-39	1	0	0	0
## 635	30-39	1	0	0	0
## 636	50-59	0	0	1	0
## 637	50-59	0	0	1	0
## 638	40-49	0	1	0	0
## 639	18-29	0	0	0	0
## 640	40-49	0	1	0	0
## 641	30-39	1	0	0	0
## 642	40-49	0	1	0	0
## 643	40-49	0	1	0	0
## 644	30-39	1	0	0	0
## 645	30-39	1	0	0	0
## 646	40-49	0	1	0	0
## 647	18-29	0	0	0	0
## 648	30-39	1	0	0	0
## 649	40-49	0	1	0	0
## 650	50-59	0	0	1	0
## 651	18-29	0	0	0	0
## 652	30-39	1	0	0	0
## 653	18-29	0	0	0	0
## 654	40-49	0	1	0	0
## 655	50-59	0	0	1	0
## 656	50-59	0	0	1	0
## 657	18-29	0	0	0	0
## 658	30-39	1	0	0	0
## 659	18-29	0	0	0	0
## 660	40-49	0	1	0	0
## 661	30-39	1	0	0	0
## 662	18-29	0	0	0	0
## 663	30-39	1	0	0	0
## 664	40-49	0	1	0	0
## 665	50-59	0	0	1	0
## 666	40-49	0	1	0	0

## 667	40-49	0	1	0	0
## 668	18-29	0	0	0	0
## 669	40-49	0	1	0	0
## 670	30-39	1	0	0	0
## 671	30-39	1	0	0	0
## 672	40-49	0	1	0	0
## 673	50-59	0	0	1	0
## 674	40-49	0	1	0	0
## 675	30-39	1	0	0	0
## 676	30-39	1	0	0	0
## 677	30-39	1	0	0	0
## 678	40-49	0	1	0	0
## 679	50-59	0	0	1	0
## 680	30-39	1	0	0	0
## 681	40-49	0	1	0	0
## 682	50-59	0	0	1	0
## 683	40-49	0	1	0	0
## 684	30-39	1	0	0	0
## 685	30-39	1	0	0	0
## 686	50-59	0	0	1	0
## 687	40-49	0	1	0	0
## 688	18-29	0	0	0	0
## 689	30-39	1	0	0	0
## 690	30-39	1	0	0	0
## 691	40-49	0	1	0	0
## 692	30-39	1	0	0	0
## 693	30-39	1	0	0	0
## 694	30-39	1	0	0	0
## 695	30-39	1	0	0	0
## 696	40-49	0	1	0	0
## 697	18-29	0	0	0	0
## 698	40-49	0	1	0	0
## 699	30-39	1	0	0	0
## 700	40-49	0	1	0	0
## 701	40-49	0	1	0	0
## 702	40-49	0	1	0	0
## 703	30-39	1	0	0	0
## 704	18-29	0	0	0	0
## 705	18-29	0	0	0	0
## 706	50-59	0	0	1	0
## 707	18-29	0	0	0	0
## 708	30-39	1	0	0	0
## 709	50-59	0	0	1	0
## 710	30-39	1	0	0	0
## 711	30-39	1	0	0	0
## 712	30-39	1	0	0	0
## 713	40-49	0	1	0	0
## 714	18-29	0	0	0	0
## 715	40-49	0	1	0	0
## 716	18-29	0	0	0	0
## 717	30-39	1	0	0	0
## 718	18-29	0	0	0	0
## 719	40-49	0	1	0	0
## 720	40-49	0	1	0	0

## 721	18-29	0	0	0	0
## 722	40-49	0	1	0	0
## 723	40-49	0	1	0	0
## 724	30-39	1	0	0	0
## 725	40-49	0	1	0	0
## 726	40-49	0	1	0	0
## 727	40-49	0	1	0	0
## 728	18-29	0	0	0	0
## 729	50-59	0	0	1	0
## 730	50-59	0	0	1	0
## 731	40-49	0	1	0	0
## 732	30-39	1	0	0	0
## 733	30-39	1	0	0	0
## 734	40-49	0	1	0	0
## 735	18-29	0	0	0	0
## 736	50-59	0	0	1	0
## 737	50-59	0	0	1	0
## 738	30-39	1	0	0	0
## 739	30-39	1	0	0	0
## 740	18-29	0	0	0	0
## 741	30-39	1	0	0	0
## 742	18-29	0	0	0	0
## 743	50-59	0	0	1	0
## 744	40-49	0	1	0	0
## 745	30-39	1	0	0	0
## 746	40-49	0	1	0	0
## 747	40-49	0	1	0	0
## 748	30-39	1	0	0	0
## 749	50-59	0	0	1	0
## 750	30-39	1	0	0	0
## 751	50-59	0	0	1	0
## 752	18-29	0	0	0	0
## 753	40-49	0	1	0	0
## 754	40-49	0	1	0	0
## 755	18-29	0	0	0	0
## 756	40-49	0	1	0	0
## 757	30-39	1	0	0	0
## 758	18-29	0	0	0	0
## 759	40-49	0	1	0	0
## 760	40-49	0	1	0	0
## 761	18-29	0	0	0	0
## 762	18-29	0	0	0	0
## 763	40-49	0	1	0	0
## 764	30-39	1	0	0	0
## 765	30-39	1	0	0	0
## 766	30-39	1	0	0	0
## 767	50-59	0	0	1	0
## 768	30-39	1	0	0	0
## 769	18-29	0	0	0	0
## 770	18-29	0	0	0	0
## 771	40-49	0	1	0	0
## 772	18-29	0	0	0	0
## 773	18-29	0	0	0	0
## 774	40-49	0	1	0	0

## 775	30-39	1	0	0	0
## 776	30-39	1	0	0	0
## 777	50-59	0	0	1	0
## 778	40-49	0	1	0	0
## 779	40-49	0	1	0	0
## 780	30-39	1	0	0	0
## 781	18-29	0	0	0	0
## 782	40-49	0	1	0	0
## 783	18-29	0	0	0	0
## 784	50-59	0	0	1	0
## 785	40-49	0	1	0	0
## 786	40-49	0	1	0	0
## 787	40-49	0	1	0	0
## 788	40-49	0	1	0	0
## 789	40-49	0	1	0	0
## 790	18-29	0	0	0	0
## 791	18-29	0	0	0	0
## 792	30-39	1	0	0	0
## 793	50-59	0	0	1	0
## 794	30-39	1	0	0	0
## 795	40-49	0	1	0	0
## 796	18-29	0	0	0	0
## 797	40-49	0	1	0	0
## 798	50-59	0	0	1	0
## 799	30-39	1	0	0	0
## 800	30-39	1	0	0	0
## 801	40-49	0	1	0	0
## 802	40-49	0	1	0	0
## 803	18-29	0	0	0	0
## 804	18-29	0	0	0	0
## 805	18-29	0	0	0	0
## 806	30-39	1	0	0	0
## 807	50-59	0	0	1	0
## 808	50-59	0	0	1	0
## 809	30-39	1	0	0	0
## 810	30-39	1	0	0	0
## 811	30-39	1	0	0	0
## 812	40-49	0	1	0	0
## 813	30-39	1	0	0	0
## 814	30-39	1	0	0	0
## 815	60 or over	0	0	0	1
## 816	30-39	1	0	0	0
## 817	30-39	1	0	0	0
## 818	18-29	0	0	0	0
## 819	30-39	1	0	0	0
## 820	40-49	0	1	0	0
## 821	40-49	0	1	0	0
## 822	18-29	0	0	0	0
## 823	18-29	0	0	0	0
## 824	50-59	0	0	1	0
## 825	40-49	0	1	0	0
## 826	18-29	0	0	0	0
## 827	30-39	1	0	0	0
## 828	40-49	0	1	0	0

## 829	30-39	1	0	0	0
## 830	40-49	0	1	0	0
## 831	30-39	1	0	0	0
## 832	30-39	1	0	0	0
## 833	18-29	0	0	0	0
## 834	18-29	0	0	0	0
## 835	40-49	0	1	0	0
## 836	40-49	0	1	0	0
## 837	40-49	0	1	0	0
## 838	30-39	1	0	0	0
## 839	50-59	0	0	1	0
## 840	50-59	0	0	1	0
## 841	50-59	0	0	1	0
## 842	40-49	0	1	0	0
## 843	30-39	1	0	0	0
## 844	50-59	0	0	1	0
## 845	30-39	1	0	0	0
## 846	40-49	0	1	0	0
## 847	40-49	0	1	0	0
## 848	50-59	0	0	1	0
## 849	18-29	0	0	0	0
## 850	40-49	0	1	0	0
## 851	50-59	0	0	1	0
## 852	18-29	0	0	0	0
## 853	30-39	1	0	0	0
## 854	30-39	1	0	0	0
## 855	40-49	0	1	0	0
## 856	18-29	0	0	0	0
## 857	30-39	1	0	0	0
## 858	40-49	0	1	0	0
## 859	40-49	0	1	0	0
## 860	30-39	1	0	0	0
## 861	50-59	0	0	1	0
## 862	40-49	0	1	0	0
## 863	18-29	0	0	0	0
## 864	30-39	1	0	0	0
## 865	30-39	1	0	0	0
## 866	18-29	0	0	0	0
## 867	50-59	0	0	1	0
## 868	18-29	0	0	0	0
## 869	30-39	1	0	0	0
## 870	18-29	0	0	0	0
## 871	30-39	1	0	0	0
## 872	30-39	1	0	0	0
## 873	30-39	1	0	0	0
## 874	30-39	1	0	0	0
## 875	30-39	1	0	0	0
## 876	50-59	0	0	1	0
## 877	50-59	0	0	1	0
## 878	50-59	0	0	1	0
## 879	40-49	0	1	0	0
## 880	40-49	0	1	0	0
## 881	60 or over	0	0	0	1
## 882	40-49	0	1	0	0

## 883	40-49	0	1	0	0
## 884	40-49	0	1	0	0
## 885	40-49	0	1	0	0
## 886	30-39	1	0	0	0
## 887	40-49	0	1	0	0
## 888	40-49	0	1	0	0
## 889	30-39	1	0	0	0
## 890	40-49	0	1	0	0
## 891	40-49	0	1	0	0
## 892	50-59	0	0	1	0
## 893	18-29	0	0	0	0
## 894	18-29	0	0	0	0
## 895	18-29	0	0	0	0
## 896	50-59	0	0	1	0
## 897	40-49	0	1	0	0
## 898	30-39	1	0	0	0
## 899	30-39	1	0	0	0
## 900	60 or over	0	0	0	1
## 901	50-59	0	0	1	0
## 902	18-29	0	0	0	0
## 903	30-39	1	0	0	0
## 904	30-39	1	0	0	0
## 905	40-49	0	1	0	0
## 906	30-39	1	0	0	0
## 907	40-49	0	1	0	0
## 908	18-29	0	0	0	0
## 909	18-29	0	0	0	0
## 910	50-59	0	0	1	0
## 911	30-39	1	0	0	0
## 912	40-49	0	1	0	0
## 913	30-39	1	0	0	0
## 914	50-59	0	0	1	0
## 915	40-49	0	1	0	0
## 916	30-39	1	0	0	0
## 917	50-59	0	0	1	0
## 918	40-49	0	1	0	0
## 919	30-39	1	0	0	0
## 920	40-49	0	1	0	0
## 921	50-59	0	0	1	0
## 922	40-49	0	1	0	0
## 923	40-49	0	1	0	0
## 924	50-59	0	0	1	0
## 925	18-29	0	0	0	0
## 926	30-39	1	0	0	0
## 927	18-29	0	0	0	0
## 928	18-29	0	0	0	0
## 929	30-39	1	0	0	0
## 930	30-39	1	0	0	0
## 931	30-39	1	0	0	0
## 932	40-49	0	1	0	0
## 933	18-29	0	0	0	0
## 934	30-39	1	0	0	0
## 935	40-49	0	1	0	0
## 936	40-49	0	1	0	0

## 937	18-29	0	0	0	0
## 938	30-39	1	0	0	0
## 939	40-49	0	1	0	0
## 940	40-49	0	1	0	0
## 941	18-29	0	0	0	0
## 942	30-39	1	0	0	0
## 943	40-49	0	1	0	0
## 944	30-39	1	0	0	0
## 945	30-39	1	0	0	0
## 946	30-39	1	0	0	0
## 947	50-59	0	0	1	0
## 948	50-59	0	0	1	0
## 949	50-59	0	0	1	0
## 950	40-49	0	1	0	0
## 951	30-39	1	0	0	0
## 952	18-29	0	0	0	0
## 953	30-39	1	0	0	0
## 954	40-49	0	1	0	0
## 955	50-59	0	0	1	0
## 956	18-29	0	0	0	0
## 957	30-39	1	0	0	0
## 958	40-49	0	1	0	0
## 959	18-29	0	0	0	0
## 960	40-49	0	1	0	0
## 961	50-59	0	0	1	0
## 962	18-29	0	0	0	0
## 963	18-29	0	0	0	0
## 964	40-49	0	1	0	0
## 965	30-39	1	0	0	0
## 966	60 or over	0	0	0	1
## 967	60 or over	0	0	0	1
## 968	18-29	0	0	0	0
## 969	40-49	0	1	0	0
## 970	50-59	0	0	1	0
## 971	50-59	0	0	1	0
## 972	18-29	0	0	0	0
## 973	30-39	1	0	0	0
## 974	40-49	0	1	0	0
## 975	30-39	1	0	0	0
## 976	40-49	0	1	0	0
## 977	30-39	1	0	0	0
## 978	50-59	0	0	1	0
## 979	30-39	1	0	0	0
## 980	50-59	0	0	1	0
## 981	50-59	0	0	1	0
## 982	18-29	0	0	0	0
## 983	50-59	0	0	1	0
## 984	18-29	0	0	0	0
## 985	30-39	1	0	0	0
## 986	18-29	0	0	0	0
## 987	40-49	0	1	0	0
## 988	50-59	0	0	1	0
## 989	30-39	1	0	0	0
## 990	18-29	0	0	0	0

## 991	18-29	0	0	0	0
## 992	40-49	0	1	0	0
## 993	30-39	1	0	0	0
## 994	30-39	1	0	0	0
## 995	50-59	0	0	1	0
## 996	30-39	1	0	0	0
## 997	30-39	1	0	0	0
## 998	30-39	1	0	0	0
## 999	40-49	0	1	0	0
## 1000	40-49	0	1	0	0
## 1001	18-29	0	0	0	0
## 1002	30-39	1	0	0	0
## 1003	18-29	0	0	0	0
## 1004	40-49	0	1	0	0
## 1005	50-59	0	0	1	0
## 1006	30-39	1	0	0	0
## 1007	50-59	0	0	1	0
## 1008	40-49	0	1	0	0
## 1009	50-59	0	0	1	0
## 1010	18-29	0	0	0	0
## 1011	40-49	0	1	0	0
## 1012	30-39	1	0	0	0
## 1013	40-49	0	1	0	0
## 1014	30-39	1	0	0	0
## 1015	50-59	0	0	1	0
## 1016	18-29	0	0	0	0
## 1017	18-29	0	0	0	0
## 1018	30-39	1	0	0	0
## 1019	40-49	0	1	0	0
## 1020	18-29	0	0	0	0
## 1021	50-59	0	0	1	0
## 1022	18-29	0	0	0	0
## 1023	40-49	0	1	0	0
## 1024	18-29	0	0	0	0
## 1025	50-59	0	0	1	0
## 1026	30-39	1	0	0	0
## 1027	30-39	1	0	0	0
## 1028	30-39	1	0	0	0
## 1029	40-49	0	1	0	0
## 1030	40-49	0	1	0	0
## 1031	30-39	1	0	0	0
## 1032	50-59	0	0	1	0
## 1033	30-39	1	0	0	0
## 1034	50-59	0	0	1	0
## 1035	40-49	0	1	0	0
## 1036	30-39	1	0	0	0
## 1037	40-49	0	1	0	0
## 1038	18-29	0	0	0	0
## 1039	30-39	1	0	0	0
## 1040	30-39	1	0	0	0
## 1041	40-49	0	1	0	0
## 1042	30-39	1	0	0	0
## 1043	40-49	0	1	0	0
## 1044	30-39	1	0	0	0

## 1045	40-49	0	1	0	0
## 1046	40-49	0	1	0	0
## 1047	30-39	1	0	0	0
## 1048	40-49	0	1	0	0
## 1049	40-49	0	1	0	0
## 1050	30-39	1	0	0	0
## 1051	30-39	1	0	0	0
## 1052	50-59	0	0	1	0
## 1053	18-29	0	0	0	0
## 1054	18-29	0	0	0	0
## 1055	40-49	0	1	0	0
## 1056	40-49	0	1	0	0
## 1057	30-39	1	0	0	0
## 1058	18-29	0	0	0	0
## 1059	18-29	0	0	0	0
## 1060	40-49	0	1	0	0
## 1061	40-49	0	1	0	0
## 1062	30-39	1	0	0	0
## 1063	40-49	0	1	0	0
## 1064	18-29	0	0	0	0
## 1065	18-29	0	0	0	0
## 1066	50-59	0	0	1	0
## 1067	18-29	0	0	0	0
## 1068	50-59	0	0	1	0
## 1069	30-39	1	0	0	0
## 1070	50-59	0	0	1	0
## 1071	40-49	0	1	0	0
## 1072	18-29	0	0	0	0
## 1073	30-39	1	0	0	0
## 1074	50-59	0	0	1	0
## 1075	40-49	0	1	0	0
## 1076	40-49	0	1	0	0
## 1077	40-49	0	1	0	0
## 1078	30-39	1	0	0	0
## 1079	18-29	0	0	0	0
## 1080	30-39	1	0	0	0
## 1081	18-29	0	0	0	0
## 1082	30-39	1	0	0	0
## 1083	30-39	1	0	0	0
## 1084	18-29	0	0	0	0
## 1085	18-29	0	0	0	0
## 1086	40-49	0	1	0	0
## 1087	40-49	0	1	0	0
## 1088	40-49	0	1	0	0
## 1089	30-39	1	0	0	0
## 1090	30-39	1	0	0	0
## 1091	50-59	0	0	1	0
## 1092	40-49	0	1	0	0
## 1093	18-29	0	0	0	0
## 1094	50-59	0	0	1	0
## 1095	50-59	0	0	1	0
## 1096	30-39	1	0	0	0
## 1097	18-29	0	0	0	0
## 1098	18-29	0	0	0	0

## 1099	40-49	0	1	0	0
## 1100	50-59	0	0	1	0
## 1101	40-49	0	1	0	0
## 1102	18-29	0	0	0	0
## 1103	30-39	1	0	0	0
## 1104	50-59	0	0	1	0
## 1105	40-49	0	1	0	0
## 1106	30-39	1	0	0	0
## 1107	18-29	0	0	0	0
## 1108	18-29	0	0	0	0
## 1109	18-29	0	0	0	0
## 1110	40-49	0	1	0	0
## 1111	30-39	1	0	0	0
## 1112	60 or over	0	0	0	1
## 1113	30-39	1	0	0	0
## 1114	18-29	0	0	0	0
## 1115	40-49	0	1	0	0
## 1116	18-29	0	0	0	0
## 1117	30-39	1	0	0	0
## 1118	18-29	0	0	0	0
## 1119	18-29	0	0	0	0
## 1120	40-49	0	1	0	0
## 1121	50-59	0	0	1	0
## 1122	40-49	0	1	0	0
## 1123	18-29	0	0	0	0
## 1124	18-29	0	0	0	0
## 1125	30-39	1	0	0	0
## 1126	40-49	0	1	0	0
## 1127	30-39	1	0	0	0
## 1128	18-29	0	0	0	0
## 1129	30-39	1	0	0	0
## 1130	40-49	0	1	0	0
## 1131	30-39	1	0	0	0
## 1132	50-59	0	0	1	0
## 1133	30-39	1	0	0	0
## 1134	40-49	0	1	0	0
## 1135	40-49	0	1	0	0
## 1136	18-29	0	0	0	0
## 1137	40-49	0	1	0	0
## 1138	30-39	1	0	0	0
## 1139	40-49	0	1	0	0
## 1140	18-29	0	0	0	0
## 1141	30-39	1	0	0	0
## 1142	40-49	0	1	0	0
## 1143	30-39	1	0	0	0
## 1144	30-39	1	0	0	0
## 1145	40-49	0	1	0	0
## 1146	30-39	1	0	0	0
## 1147	40-49	0	1	0	0
## 1148	40-49	0	1	0	0
## 1149	30-39	1	0	0	0
## 1150	18-29	0	0	0	0
## 1151	50-59	0	0	1	0
## 1152	40-49	0	1	0	0

## 1153	18-29	0	0	0	0
## 1154	30-39	1	0	0	0
## 1155	50-59	0	0	1	0
## 1156	30-39	1	0	0	0
## 1157	50-59	0	0	1	0
## 1158	18-29	0	0	0	0
## 1159	30-39	1	0	0	0
## 1160	30-39	1	0	0	0
## 1161	40-49	0	1	0	0
## 1162	40-49	0	1	0	0
## 1163	30-39	1	0	0	0
## 1164	40-49	0	1	0	0
## 1165	18-29	0	0	0	0
## 1166	40-49	0	1	0	0
## 1167	30-39	1	0	0	0
## 1168	50-59	0	0	1	0
## 1169	18-29	0	0	0	0
## 1170	40-49	0	1	0	0
## 1171	30-39	1	0	0	0
## 1172	40-49	0	1	0	0
## 1173	30-39	1	0	0	0
## 1174	18-29	0	0	0	0
## 1175	40-49	0	1	0	0
## 1176	18-29	0	0	0	0
## 1177	50-59	0	0	1	0
## 1178	40-49	0	1	0	0
## 1179	30-39	1	0	0	0
## 1180	40-49	0	1	0	0
## 1181	50-59	0	0	1	0
## 1182	30-39	1	0	0	0
## 1183	18-29	0	0	0	0
## 1184	40-49	0	1	0	0
## 1185	40-49	0	1	0	0
## 1186	50-59	0	0	1	0
## 1187	50-59	0	0	1	0
## 1188	30-39	1	0	0	0
## 1189	50-59	0	0	1	0
## 1190	30-39	1	0	0	0
## 1191	40-49	0	1	0	0
## 1192	30-39	1	0	0	0
## 1193	18-29	0	0	0	0
## 1194	40-49	0	1	0	0
## 1195	40-49	0	1	0	0
## 1196	40-49	0	1	0	0
## 1197	30-39	1	0	0	0
## 1198	50-59	0	0	1	0
## 1199	40-49	0	1	0	0
## 1200	40-49	0	1	0	0
## 1201	30-39	1	0	0	0
## 1202	30-39	1	0	0	0
## 1203	40-49	0	1	0	0
## 1204	30-39	1	0	0	0
## 1205	30-39	1	0	0	0
## 1206	50-59	0	0	1	0

## 1207	30-39	1	0	0	0
## 1208	30-39	1	0	0	0
## 1209	40-49	0	1	0	0
## 1210	30-39	1	0	0	0
## 1211	40-49	0	1	0	0
## 1212	50-59	0	0	1	0
## 1213	30-39	1	0	0	0
## 1214	18-29	0	0	0	0
## 1215	40-49	0	1	0	0
## 1216	60 or over	0	0	0	1
## 1217	40-49	0	1	0	0
## 1218	30-39	1	0	0	0
## 1219	30-39	1	0	0	0
## 1220	30-39	1	0	0	0
## 1221	40-49	0	1	0	0
## 1222	50-59	0	0	1	0
## 1223	50-59	0	0	1	0
## 1224	40-49	0	1	0	0
## 1225	30-39	1	0	0	0
## 1226	40-49	0	1	0	0
## 1227	40-49	0	1	0	0
## 1228	30-39	1	0	0	0
## 1229	18-29	0	0	0	0
## 1230	50-59	0	0	1	0
## 1231	50-59	0	0	1	0
## 1232	50-59	0	0	1	0
## 1233	50-59	0	0	1	0
## 1234	60 or over	0	0	0	1
## 1235	30-39	1	0	0	0
## 1236	18-29	0	0	0	0
## 1237	50-59	0	0	1	0
## 1238	30-39	1	0	0	0
## 1239	30-39	1	0	0	0
## 1240	18-29	0	0	0	0
## 1241	30-39	1	0	0	0
## 1242	30-39	1	0	0	0
## 1243	18-29	0	0	0	0
## 1244	18-29	0	0	0	0
## 1245	18-29	0	0	0	0
## 1246	30-39	1	0	0	0
## 1247	30-39	1	0	0	0
## 1248	50-59	0	0	1	0
## 1249	40-49	0	1	0	0
## 1250	18-29	0	0	0	0
## 1251	40-49	0	1	0	0
## 1252	30-39	1	0	0	0
## 1253	30-39	1	0	0	0
## 1254	18-29	0	0	0	0
## 1255	60 or over	0	0	0	1
## 1256	18-29	0	0	0	0
## 1257	40-49	0	1	0	0
## 1258	18-29	0	0	0	0
## 1259	30-39	1	0	0	0
## 1260	30-39	1	0	0	0

## 1261	30-39	1	0	0	0
## 1262	40-49	0	1	0	0
## 1263	60 or over	0	0	0	1
## 1264	18-29	0	0	0	0
## 1265	18-29	0	0	0	0
## 1266	30-39	1	0	0	0
## 1267	50-59	0	0	1	0
## 1268	30-39	1	0	0	0
## 1269	40-49	0	1	0	0
## 1270	30-39	1	0	0	0
## 1271	30-39	1	0	0	0
## 1272	50-59	0	0	1	0
## 1273	40-49	0	1	0	0
## 1274	30-39	1	0	0	0
## 1275	30-39	1	0	0	0
## 1276	40-49	0	1	0	0
## 1277	30-39	1	0	0	0
## 1278	30-39	1	0	0	0
## 1279	18-29	0	0	0	0
## 1280	40-49	0	1	0	0
## 1281	40-49	0	1	0	0
## 1282	30-39	1	0	0	0
## 1283	50-59	0	0	1	0
## 1284	18-29	0	0	0	0
## 1285	18-29	0	0	0	0
## 1286	50-59	0	0	1	0
## 1287	30-39	1	0	0	0
## 1288	40-49	0	1	0	0
## 1289	30-39	1	0	0	0
## 1290	30-39	1	0	0	0
## 1291	18-29	0	0	0	0
## 1292	30-39	1	0	0	0
## 1293	50-59	0	0	1	0
## 1294	30-39	1	0	0	0
## 1295	30-39	1	0	0	0
## 1296	18-29	0	0	0	0
## 1297	18-29	0	0	0	0
## 1298	30-39	1	0	0	0
## 1299	18-29	0	0	0	0
## 1300	50-59	0	0	1	0
## 1301	30-39	1	0	0	0
## 1302	18-29	0	0	0	0
## 1303	50-59	0	0	1	0
## 1304	40-49	0	1	0	0
## 1305	18-29	0	0	0	0
## 1306	18-29	0	0	0	0
## 1307	30-39	1	0	0	0
## 1308	30-39	1	0	0	0
## 1309	40-49	0	1	0	0
## 1310	50-59	0	0	1	0
## 1311	50-59	0	0	1	0
## 1312	50-59	0	0	1	0
## 1313	60 or over	0	0	0	1
## 1314	40-49	0	1	0	0

## 1315	30-39	1	0	0	0
## 1316	40-49	0	1	0	0
## 1317	30-39	1	0	0	0
## 1318	30-39	1	0	0	0
## 1319	40-49	0	1	0	0
## 1320	40-49	0	1	0	0
## 1321	40-49	0	1	0	0
## 1322	40-49	0	1	0	0
## 1323	40-49	0	1	0	0
## 1324	60 or over	0	0	0	1
## 1325	50-59	0	0	1	0
## 1326	18-29	0	0	0	0
## 1327	18-29	0	0	0	0
## 1328	30-39	1	0	0	0
## 1329	30-39	1	0	0	0
## 1330	30-39	1	0	0	0
## 1331	18-29	0	0	0	0
## 1332	40-49	0	1	0	0
## 1333	40-49	0	1	0	0
## 1334	40-49	0	1	0	0
## 1335	18-29	0	0	0	0
## 1336	30-39	1	0	0	0
## 1337	40-49	0	1	0	0
## 1338	40-49	0	1	0	0
## 1339	60 or over	0	0	0	1
## 1340	40-49	0	1	0	0
## 1341	40-49	0	1	0	0
## 1342	18-29	0	0	0	0
## 1343	30-39	1	0	0	0
## 1344	18-29	0	0	0	0
## 1345	18-29	0	0	0	0
## 1346	18-29	0	0	0	0
## 1347	40-49	0	1	0	0
## 1348	40-49	0	1	0	0
## 1349	40-49	0	1	0	0
## 1350	50-59	0	0	1	0
## 1351	40-49	0	1	0	0
## 1352	50-59	0	0	1	0
## 1353	18-29	0	0	0	0
## 1354	50-59	0	0	1	0
## 1355	18-29	0	0	0	0
## 1356	40-49	0	1	0	0
## 1357	18-29	0	0	0	0
## 1358	30-39	1	0	0	0
## 1359	30-39	1	0	0	0
## 1360	18-29	0	0	0	0
## 1361	18-29	0	0	0	0
## 1362	50-59	0	0	1	0
## 1363	18-29	0	0	0	0
## 1364	50-59	0	0	1	0
## 1365	18-29	0	0	0	0
## 1366	18-29	0	0	0	0
## 1367	40-49	0	1	0	0
## 1368	30-39	1	0	0	0

## 1369	40-49	0	1	0	0
## 1370	18-29	0	0	0	0
## 1371	40-49	0	1	0	0
## 1372	50-59	0	0	1	0
## 1373	40-49	0	1	0	0
## 1374	40-49	0	1	0	0
## 1375	50-59	0	0	1	0
## 1376	50-59	0	0	1	0
## 1377	30-39	1	0	0	0
## 1378	18-29	0	0	0	0
## 1379	30-39	1	0	0	0
## 1380	40-49	0	1	0	0
## 1381	50-59	0	0	1	0
## 1382	18-29	0	0	0	0
## 1383	30-39	1	0	0	0
## 1384	30-39	1	0	0	0
## 1385	50-59	0	0	1	0
## 1386	40-49	0	1	0	0
## 1387	40-49	0	1	0	0
## 1388	50-59	0	0	1	0
## 1389	40-49	0	1	0	0
## 1390	50-59	0	0	1	0
## 1391	40-49	0	1	0	0
## 1392	40-49	0	1	0	0
## 1393	18-29	0	0	0	0
## 1394	50-59	0	0	1	0
## 1395	40-49	0	1	0	0
## 1396	40-49	0	1	0	0
## 1397	40-49	0	1	0	0
## 1398	30-39	1	0	0	0
## 1399	18-29	0	0	0	0
## 1400	30-39	1	0	0	0
## 1401	30-39	1	0	0	0
## 1402	30-39	1	0	0	0
## 1403	18-29	0	0	0	0
## 1404	40-49	0	1	0	0
## 1405	40-49	0	1	0	0
## 1406	30-39	1	0	0	0
## 1407	30-39	1	0	0	0
## 1408	40-49	0	1	0	0
## 1409	40-49	0	1	0	0
## 1410	40-49	0	1	0	0
## 1411	30-39	1	0	0	0
## 1412	40-49	0	1	0	0
## 1413	30-39	1	0	0	0
## 1414	40-49	0	1	0	0
## 1415	18-29	0	0	0	0
## 1416	40-49	0	1	0	0
## 1417	18-29	0	0	0	0
## 1418	30-39	1	0	0	0
## 1419	30-39	1	0	0	0
## 1420	30-39	1	0	0	0
## 1421	30-39	1	0	0	0
## 1422	40-49	0	1	0	0

## 1423	30-39	1	0	0	0
## 1424	18-29	0	0	0	0
## 1425	30-39	1	0	0	0
## 1426	30-39	1	0	0	0
## 1427	50-59	0	0	1	0
## 1428	40-49	0	1	0	0
## 1429	40-49	0	1	0	0
## 1430	50-59	0	0	1	0
## 1431	18-29	0	0	0	0
## 1432	30-39	1	0	0	0
## 1433	18-29	0	0	0	0
## 1434	18-29	0	0	0	0
## 1435	50-59	0	0	1	0
## 1436	50-59	0	0	1	0
## 1437	30-39	1	0	0	0
## 1438	40-49	0	1	0	0
## 1439	18-29	0	0	0	0
## 1440	40-49	0	1	0	0
## 1441	30-39	1	0	0	0
## 1442	40-49	0	1	0	0
## 1443	60 or over	0	0	0	1
## 1444	40-49	0	1	0	0
## 1445	30-39	1	0	0	0
## 1446	40-49	0	1	0	0
## 1447	40-49	0	1	0	0
## 1448	40-49	0	1	0	0
## 1449	30-39	1	0	0	0
## 1450	18-29	0	0	0	0
## 1451	40-49	0	1	0	0
## 1452	40-49	0	1	0	0
## 1453	50-59	0	0	1	0
## 1454	30-39	1	0	0	0
## 1455	40-49	0	1	0	0
## 1456	50-59	0	0	1	0
## 1457	40-49	0	1	0	0
## 1458	40-49	0	1	0	0
## 1459	30-39	1	0	0	0
## 1460	18-29	0	0	0	0
## 1461	50-59	0	0	1	0
## 1462	40-49	0	1	0	0
## 1463	30-39	1	0	0	0
## 1464	30-39	1	0	0	0
## 1465	50-59	0	0	1	0
## 1466	30-39	1	0	0	0
## 1467	18-29	0	0	0	0
## 1468	40-49	0	1	0	0
## 1469	40-49	0	1	0	0
## 1470	30-39	1	0	0	0
## 1471	30-39	1	0	0	0
## 1472	30-39	1	0	0	0
## 1473	50-59	0	0	1	0
## 1474	40-49	0	1	0	0
## 1475	30-39	1	0	0	0
## 1476	50-59	0	0	1	0

## 1477	50-59	0	0	1	0
## 1478	40-49	0	1	0	0
## 1479	50-59	0	0	1	0
## 1480	30-39	1	0	0	0
## 1481	50-59	0	0	1	0
## 1482	40-49	0	1	0	0
## 1483	30-39	1	0	0	0
## 1484	30-39	1	0	0	0
## 1485	50-59	0	0	1	0
## 1486	30-39	1	0	0	0
## 1487	40-49	0	1	0	0
## 1488	50-59	0	0	1	0
## 1489	18-29	0	0	0	0
## 1490	50-59	0	0	1	0
## 1491	30-39	1	0	0	0
## 1492	30-39	1	0	0	0
## 1493	50-59	0	0	1	0
## 1494	30-39	1	0	0	0
## 1495	40-49	0	1	0	0
## 1496	18-29	0	0	0	0
## 1497	40-49	0	1	0	0
## 1498	40-49	0	1	0	0
## 1499	40-49	0	1	0	0
## 1500	40-49	0	1	0	0
## 1501	18-29	0	0	0	0
## 1502	40-49	0	1	0	0
## 1503	40-49	0	1	0	0
## 1504	60 or over	0	0	0	1
## 1505	30-39	1	0	0	0
## 1506	18-29	0	0	0	0
## 1507	30-39	1	0	0	0
## 1508	18-29	0	0	0	0
## 1509	30-39	1	0	0	0
## 1510	60 or over	0	0	0	1
## 1511	50-59	0	0	1	0
## 1512	18-29	0	0	0	0
## 1513	50-59	0	0	1	0
## 1514	30-39	1	0	0	0
## 1515	40-49	0	1	0	0
## 1516	50-59	0	0	1	0
## 1517	40-49	0	1	0	0
## 1518	40-49	0	1	0	0
## 1519	40-49	0	1	0	0
## 1520	30-39	1	0	0	0
## 1521	30-39	1	0	0	0
## 1522	40-49	0	1	0	0
## 1523	30-39	1	0	0	0
## 1524	18-29	0	0	0	0
## 1525	18-29	0	0	0	0
## 1526	18-29	0	0	0	0
## 1527	30-39	1	0	0	0
## 1528	40-49	0	1	0	0
## 1529	18-29	0	0	0	0
## 1530	30-39	1	0	0	0

## 1531	60 or over	0	0	0	1
## 1532	50-59	0	0	1	0
## 1533	50-59	0	0	1	0
## 1534	40-49	0	1	0	0
## 1535	18-29	0	0	0	0
## 1536	18-29	0	0	0	0
## 1537	30-39	1	0	0	0
## 1538	50-59	0	0	1	0
## 1539	40-49	0	1	0	0
## 1540	40-49	0	1	0	0
## 1541	30-39	1	0	0	0
## 1542	50-59	0	0	1	0
## 1543	60 or over	0	0	0	1
## 1544	50-59	0	0	1	0
## 1545	18-29	0	0	0	0
## 1546	18-29	0	0	0	0
## 1547	30-39	1	0	0	0
## 1548	30-39	1	0	0	0
## 1549	30-39	1	0	0	0
## 1550	40-49	0	1	0	0
## 1551	30-39	1	0	0	0
## 1552	40-49	0	1	0	0
## 1553	30-39	1	0	0	0
## 1554	18-29	0	0	0	0
## 1555	50-59	0	0	1	0
## 1556	18-29	0	0	0	0
## 1557	18-29	0	0	0	0
## 1558	50-59	0	0	1	0
## 1559	18-29	0	0	0	0
## 1560	40-49	0	1	0	0
## 1561	40-49	0	1	0	0
## 1562	30-39	1	0	0	0
## 1563	18-29	0	0	0	0
## 1564	30-39	1	0	0	0
## 1565	30-39	1	0	0	0
## 1566	18-29	0	0	0	0
## 1567	40-49	0	1	0	0
## 1568	30-39	1	0	0	0
## 1569	40-49	0	1	0	0
## 1570	40-49	0	1	0	0
## 1571	18-29	0	0	0	0
## 1572	50-59	0	0	1	0
## 1573	60 or over	0	0	0	1
## 1574	40-49	0	1	0	0
## 1575	18-29	0	0	0	0
## 1576	18-29	0	0	0	0
## 1577	30-39	1	0	0	0
## 1578	18-29	0	0	0	0
## 1579	40-49	0	1	0	0
## 1580	40-49	0	1	0	0
## 1581	30-39	1	0	0	0
## 1582	50-59	0	0	1	0
## 1583	30-39	1	0	0	0
## 1584	50-59	0	0	1	0

## 1585	50-59	0	0	1	0
## 1586	18-29	0	0	0	0
## 1587	18-29	0	0	0	0
## 1588	40-49	0	1	0	0
## 1589	30-39	1	0	0	0
## 1590	18-29	0	0	0	0
## 1591	30-39	1	0	0	0
## 1592	30-39	1	0	0	0
## 1593	40-49	0	1	0	0
## 1594	30-39	1	0	0	0
## 1595	30-39	1	0	0	0
## 1596	18-29	0	0	0	0
## 1597	50-59	0	0	1	0
## 1598	30-39	1	0	0	0
## 1599	30-39	1	0	0	0
## 1600	30-39	1	0	0	0
## 1601	30-39	1	0	0	0
## 1602	30-39	1	0	0	0
## 1603	30-39	1	0	0	0
## 1604	40-49	0	1	0	0
## 1605	50-59	0	0	1	0
## 1606	50-59	0	0	1	0
## 1607	18-29	0	0	0	0
## 1608	30-39	1	0	0	0
## 1609	60 or over	0	0	0	1
## 1610	40-49	0	1	0	0
## 1611	30-39	1	0	0	0
## 1612	60 or over	0	0	0	1
## 1613	30-39	1	0	0	0
## 1614	18-29	0	0	0	0
## 1615	30-39	1	0	0	0
## 1616	40-49	0	1	0	0
## 1617	18-29	0	0	0	0
## 1618	18-29	0	0	0	0
## 1619	50-59	0	0	1	0
## 1620	40-49	0	1	0	0
## 1621	50-59	0	0	1	0
## 1622	50-59	0	0	1	0
## 1623	40-49	0	1	0	0
## 1624	30-39	1	0	0	0
## 1625	18-29	0	0	0	0
## 1626	40-49	0	1	0	0
## 1627	40-49	0	1	0	0
## 1628	40-49	0	1	0	0
## 1629	30-39	1	0	0	0
## 1630	30-39	1	0	0	0
## 1631	18-29	0	0	0	0
## 1632	40-49	0	1	0	0
## 1633	40-49	0	1	0	0
## 1634	50-59	0	0	1	0
## 1635	50-59	0	0	1	0
## 1636	50-59	0	0	1	0
## 1637	50-59	0	0	1	0
## 1638	40-49	0	1	0	0

## 1639	50-59	0	0	1	0
## 1640	40-49	0	1	0	0
## 1641	30-39	1	0	0	0
## 1642	30-39	1	0	0	0
## 1643	40-49	0	1	0	0
## 1644	18-29	0	0	0	0
## 1645	40-49	0	1	0	0
## 1646	40-49	0	1	0	0
## 1647	30-39	1	0	0	0
## 1648	30-39	1	0	0	0
## 1649	30-39	1	0	0	0
## 1650	30-39	1	0	0	0
## 1651	40-49	0	1	0	0
## 1652	30-39	1	0	0	0
## 1653	18-29	0	0	0	0
## 1654	30-39	1	0	0	0
## 1655	40-49	0	1	0	0
## 1656	40-49	0	1	0	0
## 1657	30-39	1	0	0	0
## 1658	40-49	0	1	0	0
## 1659	30-39	1	0	0	0
## 1660	40-49	0	1	0	0
## 1661	40-49	0	1	0	0
## 1662	50-59	0	0	1	0
## 1663	30-39	1	0	0	0
## 1664	50-59	0	0	1	0
## 1665	18-29	0	0	0	0
## 1666	40-49	0	1	0	0
## 1667	50-59	0	0	1	0
## 1668	50-59	0	0	1	0
## 1669	30-39	1	0	0	0
## 1670	50-59	0	0	1	0
## 1671	40-49	0	1	0	0
## 1672	18-29	0	0	0	0
## 1673	40-49	0	1	0	0
## 1674	50-59	0	0	1	0
## 1675	40-49	0	1	0	0
## 1676	40-49	0	1	0	0
## 1677	50-59	0	0	1	0
## 1678	50-59	0	0	1	0
## 1679	50-59	0	0	1	0
## 1680	30-39	1	0	0	0
## 1681	40-49	0	1	0	0
## 1682	30-39	1	0	0	0
## 1683	30-39	1	0	0	0
## 1684	30-39	1	0	0	0
## 1685	40-49	0	1	0	0
## 1686	18-29	0	0	0	0
## 1687	50-59	0	0	1	0
## 1688	40-49	0	1	0	0
## 1689	40-49	0	1	0	0
## 1690	30-39	1	0	0	0
## 1691	30-39	1	0	0	0
## 1692	30-39	1	0	0	0

## 1693	40-49	0	1	0	0
## 1694	50-59	0	0	1	0
## 1695	40-49	0	1	0	0
## 1696	18-29	0	0	0	0
## 1697	30-39	1	0	0	0
## 1698	18-29	0	0	0	0
## 1699	18-29	0	0	0	0
## 1700	30-39	1	0	0	0
## 1701	40-49	0	1	0	0
## 1702	30-39	1	0	0	0
## 1703	40-49	0	1	0	0
## 1704	40-49	0	1	0	0
## 1705	40-49	0	1	0	0
## 1706	30-39	1	0	0	0
## 1707	18-29	0	0	0	0
## 1708	18-29	0	0	0	0
## 1709	40-49	0	1	0	0
## 1710	40-49	0	1	0	0
## 1711	50-59	0	0	1	0
## 1712	50-59	0	0	1	0
## 1713	50-59	0	0	1	0
## 1714	40-49	0	1	0	0
## 1715	30-39	1	0	0	0
## 1716	40-49	0	1	0	0
## 1717	40-49	0	1	0	0
## 1718	18-29	0	0	0	0
## 1719	30-39	1	0	0	0
## 1720	18-29	0	0	0	0
## 1721	30-39	1	0	0	0
## 1722	30-39	1	0	0	0
## 1723	50-59	0	0	1	0
## 1724	60 or over	0	0	0	1
## 1725	40-49	0	1	0	0
## 1726	40-49	0	1	0	0
## 1727	30-39	1	0	0	0
## 1728	40-49	0	1	0	0
## 1729	18-29	0	0	0	0
## 1730	40-49	0	1	0	0
## 1731	30-39	1	0	0	0
## 1732	18-29	0	0	0	0
## 1733	40-49	0	1	0	0
## 1734	40-49	0	1	0	0
## 1735	40-49	0	1	0	0
## 1736	40-49	0	1	0	0
## 1737	40-49	0	1	0	0
## 1738	30-39	1	0	0	0
## 1739	30-39	1	0	0	0
## 1740	18-29	0	0	0	0
## 1741	50-59	0	0	1	0
## 1742	30-39	1	0	0	0
## 1743	50-59	0	0	1	0
## 1744	30-39	1	0	0	0
## 1745	30-39	1	0	0	0
## 1746	40-49	0	1	0	0

## 1747	50-59	0	0	1	0
## 1748	50-59	0	0	1	0
## 1749	40-49	0	1	0	0
## 1750	18-29	0	0	0	0
## 1751	30-39	1	0	0	0
## 1752	18-29	0	0	0	0
## 1753	40-49	0	1	0	0
## 1754	18-29	0	0	0	0
## 1755	18-29	0	0	0	0
## 1756	18-29	0	0	0	0
## 1757	30-39	1	0	0	0
## 1758	30-39	1	0	0	0
## 1759	50-59	0	0	1	0
## 1760	50-59	0	0	1	0
## 1761	18-29	0	0	0	0
## 1762	30-39	1	0	0	0
## 1763	40-49	0	1	0	0
## 1764	30-39	1	0	0	0
## 1765	30-39	1	0	0	0
## 1766	40-49	0	1	0	0
## 1767	40-49	0	1	0	0
## 1768	40-49	0	1	0	0
## 1769	40-49	0	1	0	0
## 1770	40-49	0	1	0	0
## 1771	18-29	0	0	0	0
## 1772	30-39	1	0	0	0
## 1773	60 or over	0	0	0	1
## 1774	40-49	0	1	0	0
## 1775	50-59	0	0	1	0
## 1776	30-39	1	0	0	0
## 1777	30-39	1	0	0	0
## 1778	18-29	0	0	0	0
## 1779	40-49	0	1	0	0
## 1780	50-59	0	0	1	0
## 1781	40-49	0	1	0	0
## 1782	18-29	0	0	0	0
## 1783	30-39	1	0	0	0
## 1784	40-49	0	1	0	0
## 1785	30-39	1	0	0	0
## 1786	18-29	0	0	0	0
## 1787	50-59	0	0	1	0
## 1788	50-59	0	0	1	0
## 1789	40-49	0	1	0	0
## 1790	40-49	0	1	0	0
## 1791	18-29	0	0	0	0
## 1792	30-39	1	0	0	0
## 1793	40-49	0	1	0	0
## 1794	18-29	0	0	0	0
## 1795	18-29	0	0	0	0
## 1796	40-49	0	1	0	0
## 1797	50-59	0	0	1	0
## 1798	40-49	0	1	0	0
## 1799	40-49	0	1	0	0
## 1800	18-29	0	0	0	0

## 1801	30-39	1	0	0	0
## 1802	40-49	0	1	0	0
## 1803	30-39	1	0	0	0
## 1804	50-59	0	0	1	0
## 1805	30-39	1	0	0	0
## 1806	40-49	0	1	0	0
## 1807	18-29	0	0	0	0
## 1808	30-39	1	0	0	0
## 1809	30-39	1	0	0	0
## 1810	40-49	0	1	0	0
## 1811	40-49	0	1	0	0
## 1812	50-59	0	0	1	0
## 1813	30-39	1	0	0	0
## 1814	50-59	0	0	1	0
## 1815	50-59	0	0	1	0
## 1816	18-29	0	0	0	0
## 1817	18-29	0	0	0	0
## 1818	40-49	0	1	0	0
## 1819	30-39	1	0	0	0
## 1820	50-59	0	0	1	0
## 1821	60 or over	0	0	0	1
## 1822	30-39	1	0	0	0
## 1823	30-39	1	0	0	0
## 1824	40-49	0	1	0	0
## 1825	40-49	0	1	0	0
## 1826	30-39	1	0	0	0
## 1827	50-59	0	0	1	0
## 1828	30-39	1	0	0	0
## 1829	18-29	0	0	0	0
## 1830	40-49	0	1	0	0
## 1831	40-49	0	1	0	0
## 1832	30-39	1	0	0	0
## 1833	30-39	1	0	0	0
## 1834	30-39	1	0	0	0
## 1835	18-29	0	0	0	0
## 1836	30-39	1	0	0	0
## 1837	40-49	0	1	0	0
## 1838	50-59	0	0	1	0
## 1839	30-39	1	0	0	0
## 1840	40-49	0	1	0	0
## 1841	40-49	0	1	0	0
## 1842	30-39	1	0	0	0
## 1843	30-39	1	0	0	0
## 1844	40-49	0	1	0	0
## 1845	30-39	1	0	0	0
## 1846	30-39	1	0	0	0
## 1847	30-39	1	0	0	0
## 1848	18-29	0	0	0	0
## 1849	18-29	0	0	0	0
## 1850	18-29	0	0	0	0
## 1851	18-29	0	0	0	0
## 1852	50-59	0	0	1	0
## 1853	50-59	0	0	1	0
## 1854	30-39	1	0	0	0

## 1855	60 or over	0	0	0	1
## 1856	30-39	1	0	0	0
## 1857	18-29	0	0	0	0
## 1858	50-59	0	0	1	0
## 1859	18-29	0	0	0	0
## 1860	30-39	1	0	0	0
## 1861	18-29	0	0	0	0
## 1862	40-49	0	1	0	0
## 1863	50-59	0	0	1	0
## 1864	30-39	1	0	0	0
## 1865	18-29	0	0	0	0
## 1866	50-59	0	0	1	0
## 1867	40-49	0	1	0	0
## 1868	50-59	0	0	1	0
## 1869	30-39	1	0	0	0
## 1870	50-59	0	0	1	0
## 1871	30-39	1	0	0	0
## 1872	30-39	1	0	0	0
## 1873	50-59	0	0	1	0
## 1874	18-29	0	0	0	0
## 1875	30-39	1	0	0	0
## 1876	40-49	0	1	0	0
## 1877	40-49	0	1	0	0
## 1878	50-59	0	0	1	0
## 1879	30-39	1	0	0	0
## 1880	30-39	1	0	0	0
## 1881	18-29	0	0	0	0
## 1882	30-39	1	0	0	0
## 1883	18-29	0	0	0	0
## 1884	30-39	1	0	0	0
## 1885	30-39	1	0	0	0
## 1886	40-49	0	1	0	0
## 1887	30-39	1	0	0	0
## 1888	30-39	1	0	0	0
## 1889	40-49	0	1	0	0
## 1890	18-29	0	0	0	0
## 1891	40-49	0	1	0	0
## 1892	40-49	0	1	0	0
## 1893	18-29	0	0	0	0
## 1894	18-29	0	0	0	0
## 1895	30-39	1	0	0	0
## 1896	50-59	0	0	1	0
## 1897	30-39	1	0	0	0
## 1898	40-49	0	1	0	0
## 1899	30-39	1	0	0	0
## 1900	30-39	1	0	0	0
## 1901	18-29	0	0	0	0
## 1902	30-39	1	0	0	0
## 1903	18-29	0	0	0	0
## 1904	50-59	0	0	1	0
## 1905	30-39	1	0	0	0
## 1906	40-49	0	1	0	0
## 1907	30-39	1	0	0	0
## 1908	40-49	0	1	0	0

## 1909	40-49	0	1	0	0
## 1910	30-39	1	0	0	0
## 1911	40-49	0	1	0	0
## 1912	30-39	1	0	0	0
## 1913	40-49	0	1	0	0
## 1914	40-49	0	1	0	0
## 1915	30-39	1	0	0	0
## 1916	30-39	1	0	0	0
## 1917	60 or over	0	0	0	1
## 1918	40-49	0	1	0	0
## 1919	40-49	0	1	0	0
## 1920	40-49	0	1	0	0
## 1921	40-49	0	1	0	0
## 1922	30-39	1	0	0	0
## 1923	30-39	1	0	0	0
## 1924	18-29	0	0	0	0
## 1925	30-39	1	0	0	0
## 1926	40-49	0	1	0	0
## 1927	50-59	0	0	1	0
## 1928	30-39	1	0	0	0
## 1929	18-29	0	0	0	0
## 1930	30-39	1	0	0	0
## 1931	18-29	0	0	0	0
## 1932	50-59	0	0	1	0
## 1933	30-39	1	0	0	0
## 1934	40-49	0	1	0	0
## 1935	18-29	0	0	0	0
## 1936	18-29	0	0	0	0
## 1937	50-59	0	0	1	0
## 1938	30-39	1	0	0	0
## 1939	50-59	0	0	1	0
## 1940	50-59	0	0	1	0
## 1941	40-49	0	1	0	0
## 1942	40-49	0	1	0	0
## 1943	30-39	1	0	0	0
## 1944	40-49	0	1	0	0
## 1945	30-39	1	0	0	0
## 1946	30-39	1	0	0	0
## 1947	30-39	1	0	0	0
## 1948	50-59	0	0	1	0
## 1949	50-59	0	0	1	0
## 1950	18-29	0	0	0	0
## 1951	30-39	1	0	0	0
## 1952	18-29	0	0	0	0
## 1953	30-39	1	0	0	0
## 1954	30-39	1	0	0	0
## 1955	50-59	0	0	1	0
## 1956	18-29	0	0	0	0
## 1957	30-39	1	0	0	0
## 1958	40-49	0	1	0	0
## 1959	40-49	0	1	0	0
## 1960	18-29	0	0	0	0
## 1961	18-29	0	0	0	0
## 1962	30-39	1	0	0	0

## 1963	50-59	0	0	1	0
## 1964	30-39	1	0	0	0
## 1965	30-39	1	0	0	0
## 1966	50-59	0	0	1	0
## 1967	40-49	0	1	0	0
## 1968	30-39	1	0	0	0
## 1969	30-39	1	0	0	0
## 1970	60 or over	0	0	0	1
## 1971	50-59	0	0	1	0
## 1972	30-39	1	0	0	0
## 1973	40-49	0	1	0	0
## 1974	40-49	0	1	0	0
## 1975	40-49	0	1	0	0
## 1976	30-39	1	0	0	0
## 1977	30-39	1	0	0	0
## 1978	18-29	0	0	0	0
## 1979	40-49	0	1	0	0
## 1980	18-29	0	0	0	0
## 1981	40-49	0	1	0	0
## 1982	40-49	0	1	0	0
## 1983	50-59	0	0	1	0
## 1984	30-39	1	0	0	0
## 1985	50-59	0	0	1	0
## 1986	30-39	1	0	0	0
## 1987	30-39	1	0	0	0
## 1988	40-49	0	1	0	0
## 1989	40-49	0	1	0	0
## 1990	30-39	1	0	0	0
## 1991	40-49	0	1	0	0
## 1992	18-29	0	0	0	0
## 1993	30-39	1	0	0	0
## 1994	30-39	1	0	0	0
## 1995	50-59	0	0	1	0
## 1996	18-29	0	0	0	0
## 1997	18-29	0	0	0	0
## 1998	18-29	0	0	0	0
## 1999	30-39	1	0	0	0
## 2000	40-49	0	1	0	0

Here is another way to create dummy variables.

```
model.matrix(~age,df)[,-1]%>%
  data.frame()%>%
  bind_cols(age = df$age)%>%
  select(age, everything())
```

##	age	age30.39	age40.49	age50.59	age60.or.over
## 1	18-29	0	0	0	0
## 2	50-59	0	0	1	0
## 3	30-39	1	0	0	0
## 4	40-49	0	1	0	0
## 5	30-39	1	0	0	0
## 6	40-49	0	1	0	0
## 7	18-29	0	0	0	0
## 8	50-59	0	0	1	0

## 9	18-29	0	0	0	0
## 10	18-29	0	0	0	0
## 11	40-49	0	1	0	0
## 12	30-39	1	0	0	0
## 13	40-49	0	1	0	0
## 14	40-49	0	1	0	0
## 15	40-49	0	1	0	0
## 16	18-29	0	0	0	0
## 17	40-49	0	1	0	0
## 18	50-59	0	0	1	0
## 19	40-49	0	1	0	0
## 20	40-49	0	1	0	0
## 21	40-49	0	1	0	0
## 22	40-49	0	1	0	0
## 23	40-49	0	1	0	0
## 24	30-39	1	0	0	0
## 25	50-59	0	0	1	0
## 26	40-49	0	1	0	0
## 27	30-39	1	0	0	0
## 28	50-59	0	0	1	0
## 29	40-49	0	1	0	0
## 30	40-49	0	1	0	0
## 31	50-59	0	0	1	0
## 32	18-29	0	0	0	0
## 33	30-39	1	0	0	0
## 34	40-49	0	1	0	0
## 35	40-49	0	1	0	0
## 36	18-29	0	0	0	0
## 37	18-29	0	0	0	0
## 38	50-59	0	0	1	0
## 39	30-39	1	0	0	0
## 40	50-59	0	0	1	0
## 41	40-49	0	1	0	0
## 42	40-49	0	1	0	0
## 43	18-29	0	0	0	0
## 44	30-39	1	0	0	0
## 45	50-59	0	0	1	0
## 46	40-49	0	1	0	0
## 47	50-59	0	0	1	0
## 48	30-39	1	0	0	0
## 49	18-29	0	0	0	0
## 50	40-49	0	1	0	0
## 51	18-29	0	0	0	0
## 52	18-29	0	0	0	0
## 53	40-49	0	1	0	0
## 54	18-29	0	0	0	0
## 55	40-49	0	1	0	0
## 56	40-49	0	1	0	0
## 57	18-29	0	0	0	0
## 58	40-49	0	1	0	0
## 59	50-59	0	0	1	0
## 60	40-49	0	1	0	0
## 61	30-39	1	0	0	0
## 62	30-39	1	0	0	0

## 63	30-39	1	0	0	0
## 64	50-59	0	0	1	0
## 65	50-59	0	0	1	0
## 66	30-39	1	0	0	0
## 67	30-39	1	0	0	0
## 68	40-49	0	1	0	0
## 69	30-39	1	0	0	0
## 70	40-49	0	1	0	0
## 71	18-29	0	0	0	0
## 72	50-59	0	0	1	0
## 73	40-49	0	1	0	0
## 74	30-39	1	0	0	0
## 75	30-39	1	0	0	0
## 76	30-39	1	0	0	0
## 77	30-39	1	0	0	0
## 78	30-39	1	0	0	0
## 79	40-49	0	1	0	0
## 80	40-49	0	1	0	0
## 81	40-49	0	1	0	0
## 82	50-59	0	0	1	0
## 83	60 or over	0	0	0	1
## 84	18-29	0	0	0	0
## 85	50-59	0	0	1	0
## 86	30-39	1	0	0	0
## 87	40-49	0	1	0	0
## 88	18-29	0	0	0	0
## 89	40-49	0	1	0	0
## 90	30-39	1	0	0	0
## 91	40-49	0	1	0	0
## 92	18-29	0	0	0	0
## 93	18-29	0	0	0	0
## 94	50-59	0	0	1	0
## 95	40-49	0	1	0	0
## 96	40-49	0	1	0	0
## 97	40-49	0	1	0	0
## 98	40-49	0	1	0	0
## 99	30-39	1	0	0	0
## 100	40-49	0	1	0	0
## 101	40-49	0	1	0	0
## 102	60 or over	0	0	0	1
## 103	50-59	0	0	1	0
## 104	40-49	0	1	0	0
## 105	30-39	1	0	0	0
## 106	50-59	0	0	1	0
## 107	18-29	0	0	0	0
## 108	30-39	1	0	0	0
## 109	40-49	0	1	0	0
## 110	50-59	0	0	1	0
## 111	40-49	0	1	0	0
## 112	50-59	0	0	1	0
## 113	50-59	0	0	1	0
## 114	18-29	0	0	0	0
## 115	30-39	1	0	0	0
## 116	50-59	0	0	1	0

## 117	40-49	0	1	0	0
## 118	18-29	0	0	0	0
## 119	50-59	0	0	1	0
## 120	40-49	0	1	0	0
## 121	18-29	0	0	0	0
## 122	30-39	1	0	0	0
## 123	18-29	0	0	0	0
## 124	30-39	1	0	0	0
## 125	18-29	0	0	0	0
## 126	30-39	1	0	0	0
## 127	40-49	0	1	0	0
## 128	40-49	0	1	0	0
## 129	40-49	0	1	0	0
## 130	18-29	0	0	0	0
## 131	18-29	0	0	0	0
## 132	40-49	0	1	0	0
## 133	18-29	0	0	0	0
## 134	40-49	0	1	0	0
## 135	30-39	1	0	0	0
## 136	50-59	0	0	1	0
## 137	18-29	0	0	0	0
## 138	30-39	1	0	0	0
## 139	18-29	0	0	0	0
## 140	40-49	0	1	0	0
## 141	40-49	0	1	0	0
## 142	50-59	0	0	1	0
## 143	30-39	1	0	0	0
## 144	18-29	0	0	0	0
## 145	18-29	0	0	0	0
## 146	30-39	1	0	0	0
## 147	40-49	0	1	0	0
## 148	30-39	1	0	0	0
## 149	18-29	0	0	0	0
## 150	40-49	0	1	0	0
## 151	30-39	1	0	0	0
## 152	30-39	1	0	0	0
## 153	30-39	1	0	0	0
## 154	18-29	0	0	0	0
## 155	40-49	0	1	0	0
## 156	40-49	0	1	0	0
## 157	40-49	0	1	0	0
## 158	18-29	0	0	0	0
## 159	30-39	1	0	0	0
## 160	40-49	0	1	0	0
## 161	40-49	0	1	0	0
## 162	30-39	1	0	0	0
## 163	40-49	0	1	0	0
## 164	40-49	0	1	0	0
## 165	40-49	0	1	0	0
## 166	60 or over	0	0	0	1
## 167	18-29	0	0	0	0
## 168	40-49	0	1	0	0
## 169	30-39	1	0	0	0
## 170	40-49	0	1	0	0

## 171	40-49	0	1	0	0
## 172	30-39	1	0	0	0
## 173	18-29	0	0	0	0
## 174	18-29	0	0	0	0
## 175	40-49	0	1	0	0
## 176	60 or over	0	0	0	1
## 177	40-49	0	1	0	0
## 178	40-49	0	1	0	0
## 179	18-29	0	0	0	0
## 180	40-49	0	1	0	0
## 181	30-39	1	0	0	0
## 182	18-29	0	0	0	0
## 183	18-29	0	0	0	0
## 184	18-29	0	0	0	0
## 185	40-49	0	1	0	0
## 186	40-49	0	1	0	0
## 187	30-39	1	0	0	0
## 188	40-49	0	1	0	0
## 189	18-29	0	0	0	0
## 190	30-39	1	0	0	0
## 191	30-39	1	0	0	0
## 192	18-29	0	0	0	0
## 193	18-29	0	0	0	0
## 194	60 or over	0	0	0	1
## 195	50-59	0	0	1	0
## 196	40-49	0	1	0	0
## 197	30-39	1	0	0	0
## 198	40-49	0	1	0	0
## 199	40-49	0	1	0	0
## 200	40-49	0	1	0	0
## 201	30-39	1	0	0	0
## 202	18-29	0	0	0	0
## 203	30-39	1	0	0	0
## 204	18-29	0	0	0	0
## 205	40-49	0	1	0	0
## 206	30-39	1	0	0	0
## 207	40-49	0	1	0	0
## 208	40-49	0	1	0	0
## 209	18-29	0	0	0	0
## 210	18-29	0	0	0	0
## 211	40-49	0	1	0	0
## 212	30-39	1	0	0	0
## 213	40-49	0	1	0	0
## 214	40-49	0	1	0	0
## 215	40-49	0	1	0	0
## 216	50-59	0	0	1	0
## 217	18-29	0	0	0	0
## 218	50-59	0	0	1	0
## 219	18-29	0	0	0	0
## 220	50-59	0	0	1	0
## 221	40-49	0	1	0	0
## 222	18-29	0	0	0	0
## 223	18-29	0	0	0	0
## 224	30-39	1	0	0	0

## 225	40-49	0	1	0	0
## 226	60 or over	0	0	0	1
## 227	30-39	1	0	0	0
## 228	30-39	1	0	0	0
## 229	40-49	0	1	0	0
## 230	18-29	0	0	0	0
## 231	30-39	1	0	0	0
## 232	50-59	0	0	1	0
## 233	50-59	0	0	1	0
## 234	30-39	1	0	0	0
## 235	40-49	0	1	0	0
## 236	30-39	1	0	0	0
## 237	18-29	0	0	0	0
## 238	30-39	1	0	0	0
## 239	40-49	0	1	0	0
## 240	18-29	0	0	0	0
## 241	50-59	0	0	1	0
## 242	40-49	0	1	0	0
## 243	50-59	0	0	1	0
## 244	30-39	1	0	0	0
## 245	40-49	0	1	0	0
## 246	18-29	0	0	0	0
## 247	30-39	1	0	0	0
## 248	50-59	0	0	1	0
## 249	30-39	1	0	0	0
## 250	50-59	0	0	1	0
## 251	40-49	0	1	0	0
## 252	50-59	0	0	1	0
## 253	40-49	0	1	0	0
## 254	18-29	0	0	0	0
## 255	18-29	0	0	0	0
## 256	18-29	0	0	0	0
## 257	30-39	1	0	0	0
## 258	40-49	0	1	0	0
## 259	18-29	0	0	0	0
## 260	18-29	0	0	0	0
## 261	18-29	0	0	0	0
## 262	40-49	0	1	0	0
## 263	40-49	0	1	0	0
## 264	30-39	1	0	0	0
## 265	30-39	1	0	0	0
## 266	30-39	1	0	0	0
## 267	40-49	0	1	0	0
## 268	40-49	0	1	0	0
## 269	40-49	0	1	0	0
## 270	50-59	0	0	1	0
## 271	50-59	0	0	1	0
## 272	40-49	0	1	0	0
## 273	30-39	1	0	0	0
## 274	40-49	0	1	0	0
## 275	18-29	0	0	0	0
## 276	18-29	0	0	0	0
## 277	30-39	1	0	0	0
## 278	30-39	1	0	0	0

## 279	18-29	0	0	0	0
## 280	40-49	0	1	0	0
## 281	18-29	0	0	0	0
## 282	18-29	0	0	0	0
## 283	18-29	0	0	0	0
## 284	40-49	0	1	0	0
## 285	18-29	0	0	0	0
## 286	40-49	0	1	0	0
## 287	40-49	0	1	0	0
## 288	30-39	1	0	0	0
## 289	40-49	0	1	0	0
## 290	18-29	0	0	0	0
## 291	40-49	0	1	0	0
## 292	40-49	0	1	0	0
## 293	30-39	1	0	0	0
## 294	18-29	0	0	0	0
## 295	18-29	0	0	0	0
## 296	50-59	0	0	1	0
## 297	40-49	0	1	0	0
## 298	30-39	1	0	0	0
## 299	40-49	0	1	0	0
## 300	18-29	0	0	0	0
## 301	30-39	1	0	0	0
## 302	40-49	0	1	0	0
## 303	18-29	0	0	0	0
## 304	30-39	1	0	0	0
## 305	40-49	0	1	0	0
## 306	50-59	0	0	1	0
## 307	30-39	1	0	0	0
## 308	40-49	0	1	0	0
## 309	30-39	1	0	0	0
## 310	30-39	1	0	0	0
## 311	50-59	0	0	1	0
## 312	30-39	1	0	0	0
## 313	30-39	1	0	0	0
## 314	40-49	0	1	0	0
## 315	18-29	0	0	0	0
## 316	30-39	1	0	0	0
## 317	50-59	0	0	1	0
## 318	50-59	0	0	1	0
## 319	18-29	0	0	0	0
## 320	18-29	0	0	0	0
## 321	18-29	0	0	0	0
## 322	40-49	0	1	0	0
## 323	50-59	0	0	1	0
## 324	40-49	0	1	0	0
## 325	40-49	0	1	0	0
## 326	30-39	1	0	0	0
## 327	30-39	1	0	0	0
## 328	30-39	1	0	0	0
## 329	40-49	0	1	0	0
## 330	40-49	0	1	0	0
## 331	40-49	0	1	0	0
## 332	40-49	0	1	0	0

## 333	30-39	1	0	0	0
## 334	30-39	1	0	0	0
## 335	30-39	1	0	0	0
## 336	18-29	0	0	0	0
## 337	40-49	0	1	0	0
## 338	30-39	1	0	0	0
## 339	40-49	0	1	0	0
## 340	30-39	1	0	0	0
## 341	18-29	0	0	0	0
## 342	30-39	1	0	0	0
## 343	18-29	0	0	0	0
## 344	60 or over	0	0	0	1
## 345	40-49	0	1	0	0
## 346	30-39	1	0	0	0
## 347	40-49	0	1	0	0
## 348	40-49	0	1	0	0
## 349	18-29	0	0	0	0
## 350	40-49	0	1	0	0
## 351	40-49	0	1	0	0
## 352	50-59	0	0	1	0
## 353	40-49	0	1	0	0
## 354	30-39	1	0	0	0
## 355	18-29	0	0	0	0
## 356	50-59	0	0	1	0
## 357	40-49	0	1	0	0
## 358	30-39	1	0	0	0
## 359	18-29	0	0	0	0
## 360	30-39	1	0	0	0
## 361	30-39	1	0	0	0
## 362	30-39	1	0	0	0
## 363	30-39	1	0	0	0
## 364	30-39	1	0	0	0
## 365	30-39	1	0	0	0
## 366	40-49	0	1	0	0
## 367	18-29	0	0	0	0
## 368	40-49	0	1	0	0
## 369	50-59	0	0	1	0
## 370	18-29	0	0	0	0
## 371	40-49	0	1	0	0
## 372	18-29	0	0	0	0
## 373	30-39	1	0	0	0
## 374	40-49	0	1	0	0
## 375	30-39	1	0	0	0
## 376	18-29	0	0	0	0
## 377	40-49	0	1	0	0
## 378	50-59	0	0	1	0
## 379	30-39	1	0	0	0
## 380	50-59	0	0	1	0
## 381	50-59	0	0	1	0
## 382	40-49	0	1	0	0
## 383	50-59	0	0	1	0
## 384	18-29	0	0	0	0
## 385	30-39	1	0	0	0
## 386	18-29	0	0	0	0

## 387	40-49	0	1	0	0
## 388	18-29	0	0	0	0
## 389	30-39	1	0	0	0
## 390	18-29	0	0	0	0
## 391	40-49	0	1	0	0
## 392	18-29	0	0	0	0
## 393	30-39	1	0	0	0
## 394	40-49	0	1	0	0
## 395	18-29	0	0	0	0
## 396	40-49	0	1	0	0
## 397	40-49	0	1	0	0
## 398	40-49	0	1	0	0
## 399	30-39	1	0	0	0
## 400	30-39	1	0	0	0
## 401	30-39	1	0	0	0
## 402	50-59	0	0	1	0
## 403	30-39	1	0	0	0
## 404	60 or over	0	0	0	1
## 405	18-29	0	0	0	0
## 406	40-49	0	1	0	0
## 407	30-39	1	0	0	0
## 408	18-29	0	0	0	0
## 409	30-39	1	0	0	0
## 410	40-49	0	1	0	0
## 411	30-39	1	0	0	0
## 412	50-59	0	0	1	0
## 413	50-59	0	0	1	0
## 414	30-39	1	0	0	0
## 415	40-49	0	1	0	0
## 416	40-49	0	1	0	0
## 417	40-49	0	1	0	0
## 418	30-39	1	0	0	0
## 419	18-29	0	0	0	0
## 420	30-39	1	0	0	0
## 421	50-59	0	0	1	0
## 422	50-59	0	0	1	0
## 423	18-29	0	0	0	0
## 424	30-39	1	0	0	0
## 425	18-29	0	0	0	0
## 426	18-29	0	0	0	0
## 427	60 or over	0	0	0	1
## 428	40-49	0	1	0	0
## 429	18-29	0	0	0	0
## 430	40-49	0	1	0	0
## 431	50-59	0	0	1	0
## 432	30-39	1	0	0	0
## 433	40-49	0	1	0	0
## 434	40-49	0	1	0	0
## 435	40-49	0	1	0	0
## 436	40-49	0	1	0	0
## 437	30-39	1	0	0	0
## 438	40-49	0	1	0	0
## 439	40-49	0	1	0	0
## 440	30-39	1	0	0	0

## 441	40-49	0	1	0	0
## 442	40-49	0	1	0	0
## 443	18-29	0	0	0	0
## 444	60 or over	0	0	0	1
## 445	18-29	0	0	0	0
## 446	40-49	0	1	0	0
## 447	40-49	0	1	0	0
## 448	50-59	0	0	1	0
## 449	18-29	0	0	0	0
## 450	40-49	0	1	0	0
## 451	40-49	0	1	0	0
## 452	30-39	1	0	0	0
## 453	30-39	1	0	0	0
## 454	50-59	0	0	1	0
## 455	18-29	0	0	0	0
## 456	40-49	0	1	0	0
## 457	30-39	1	0	0	0
## 458	30-39	1	0	0	0
## 459	40-49	0	1	0	0
## 460	30-39	1	0	0	0
## 461	50-59	0	0	1	0
## 462	18-29	0	0	0	0
## 463	30-39	1	0	0	0
## 464	40-49	0	1	0	0
## 465	40-49	0	1	0	0
## 466	30-39	1	0	0	0
## 467	40-49	0	1	0	0
## 468	40-49	0	1	0	0
## 469	50-59	0	0	1	0
## 470	40-49	0	1	0	0
## 471	18-29	0	0	0	0
## 472	50-59	0	0	1	0
## 473	50-59	0	0	1	0
## 474	40-49	0	1	0	0
## 475	30-39	1	0	0	0
## 476	40-49	0	1	0	0
## 477	40-49	0	1	0	0
## 478	50-59	0	0	1	0
## 479	18-29	0	0	0	0
## 480	40-49	0	1	0	0
## 481	40-49	0	1	0	0
## 482	40-49	0	1	0	0
## 483	30-39	1	0	0	0
## 484	40-49	0	1	0	0
## 485	30-39	1	0	0	0
## 486	30-39	1	0	0	0
## 487	18-29	0	0	0	0
## 488	18-29	0	0	0	0
## 489	40-49	0	1	0	0
## 490	18-29	0	0	0	0
## 491	18-29	0	0	0	0
## 492	50-59	0	0	1	0
## 493	30-39	1	0	0	0
## 494	18-29	0	0	0	0

## 495	30-39	1	0	0	0
## 496	40-49	0	1	0	0
## 497	30-39	1	0	0	0
## 498	30-39	1	0	0	0
## 499	40-49	0	1	0	0
## 500	40-49	0	1	0	0
## 501	30-39	1	0	0	0
## 502	30-39	1	0	0	0
## 503	30-39	1	0	0	0
## 504	18-29	0	0	0	0
## 505	40-49	0	1	0	0
## 506	18-29	0	0	0	0
## 507	30-39	1	0	0	0
## 508	30-39	1	0	0	0
## 509	30-39	1	0	0	0
## 510	50-59	0	0	1	0
## 511	18-29	0	0	0	0
## 512	30-39	1	0	0	0
## 513	30-39	1	0	0	0
## 514	40-49	0	1	0	0
## 515	40-49	0	1	0	0
## 516	50-59	0	0	1	0
## 517	30-39	1	0	0	0
## 518	30-39	1	0	0	0
## 519	18-29	0	0	0	0
## 520	40-49	0	1	0	0
## 521	30-39	1	0	0	0
## 522	40-49	0	1	0	0
## 523	18-29	0	0	0	0
## 524	18-29	0	0	0	0
## 525	30-39	1	0	0	0
## 526	50-59	0	0	1	0
## 527	40-49	0	1	0	0
## 528	40-49	0	1	0	0
## 529	40-49	0	1	0	0
## 530	30-39	1	0	0	0
## 531	18-29	0	0	0	0
## 532	40-49	0	1	0	0
## 533	18-29	0	0	0	0
## 534	30-39	1	0	0	0
## 535	18-29	0	0	0	0
## 536	30-39	1	0	0	0
## 537	30-39	1	0	0	0
## 538	30-39	1	0	0	0
## 539	50-59	0	0	1	0
## 540	50-59	0	0	1	0
## 541	30-39	1	0	0	0
## 542	30-39	1	0	0	0
## 543	40-49	0	1	0	0
## 544	30-39	1	0	0	0
## 545	30-39	1	0	0	0
## 546	30-39	1	0	0	0
## 547	30-39	1	0	0	0
## 548	40-49	0	1	0	0

## 549	50-59	0	0	1	0
## 550	18-29	0	0	0	0
## 551	18-29	0	0	0	0
## 552	30-39	1	0	0	0
## 553	30-39	1	0	0	0
## 554	30-39	1	0	0	0
## 555	18-29	0	0	0	0
## 556	40-49	0	1	0	0
## 557	18-29	0	0	0	0
## 558	40-49	0	1	0	0
## 559	40-49	0	1	0	0
## 560	40-49	0	1	0	0
## 561	50-59	0	0	1	0
## 562	30-39	1	0	0	0
## 563	50-59	0	0	1	0
## 564	40-49	0	1	0	0
## 565	50-59	0	0	1	0
## 566	30-39	1	0	0	0
## 567	50-59	0	0	1	0
## 568	18-29	0	0	0	0
## 569	18-29	0	0	0	0
## 570	30-39	1	0	0	0
## 571	50-59	0	0	1	0
## 572	30-39	1	0	0	0
## 573	50-59	0	0	1	0
## 574	40-49	0	1	0	0
## 575	30-39	1	0	0	0
## 576	30-39	1	0	0	0
## 577	18-29	0	0	0	0
## 578	30-39	1	0	0	0
## 579	30-39	1	0	0	0
## 580	50-59	0	0	1	0
## 581	40-49	0	1	0	0
## 582	50-59	0	0	1	0
## 583	30-39	1	0	0	0
## 584	60 or over	0	0	0	1
## 585	30-39	1	0	0	0
## 586	50-59	0	0	1	0
## 587	30-39	1	0	0	0
## 588	40-49	0	1	0	0
## 589	30-39	1	0	0	0
## 590	40-49	0	1	0	0
## 591	40-49	0	1	0	0
## 592	40-49	0	1	0	0
## 593	18-29	0	0	0	0
## 594	40-49	0	1	0	0
## 595	40-49	0	1	0	0
## 596	50-59	0	0	1	0
## 597	40-49	0	1	0	0
## 598	18-29	0	0	0	0
## 599	40-49	0	1	0	0
## 600	40-49	0	1	0	0
## 601	30-39	1	0	0	0
## 602	40-49	0	1	0	0

## 603	50-59	0	0	1	0
## 604	18-29	0	0	0	0
## 605	50-59	0	0	1	0
## 606	40-49	0	1	0	0
## 607	30-39	1	0	0	0
## 608	50-59	0	0	1	0
## 609	18-29	0	0	0	0
## 610	30-39	1	0	0	0
## 611	40-49	0	1	0	0
## 612	18-29	0	0	0	0
## 613	40-49	0	1	0	0
## 614	30-39	1	0	0	0
## 615	40-49	0	1	0	0
## 616	40-49	0	1	0	0
## 617	30-39	1	0	0	0
## 618	30-39	1	0	0	0
## 619	40-49	0	1	0	0
## 620	40-49	0	1	0	0
## 621	18-29	0	0	0	0
## 622	40-49	0	1	0	0
## 623	50-59	0	0	1	0
## 624	30-39	1	0	0	0
## 625	40-49	0	1	0	0
## 626	18-29	0	0	0	0
## 627	30-39	1	0	0	0
## 628	40-49	0	1	0	0
## 629	30-39	1	0	0	0
## 630	40-49	0	1	0	0
## 631	40-49	0	1	0	0
## 632	30-39	1	0	0	0
## 633	30-39	1	0	0	0
## 634	30-39	1	0	0	0
## 635	30-39	1	0	0	0
## 636	50-59	0	0	1	0
## 637	50-59	0	0	1	0
## 638	40-49	0	1	0	0
## 639	18-29	0	0	0	0
## 640	40-49	0	1	0	0
## 641	30-39	1	0	0	0
## 642	40-49	0	1	0	0
## 643	40-49	0	1	0	0
## 644	30-39	1	0	0	0
## 645	30-39	1	0	0	0
## 646	40-49	0	1	0	0
## 647	18-29	0	0	0	0
## 648	30-39	1	0	0	0
## 649	40-49	0	1	0	0
## 650	50-59	0	0	1	0
## 651	18-29	0	0	0	0
## 652	30-39	1	0	0	0
## 653	18-29	0	0	0	0
## 654	40-49	0	1	0	0
## 655	50-59	0	0	1	0
## 656	50-59	0	0	1	0

## 657	18-29	0	0	0	0
## 658	30-39	1	0	0	0
## 659	18-29	0	0	0	0
## 660	40-49	0	1	0	0
## 661	30-39	1	0	0	0
## 662	18-29	0	0	0	0
## 663	30-39	1	0	0	0
## 664	40-49	0	1	0	0
## 665	50-59	0	0	1	0
## 666	40-49	0	1	0	0
## 667	40-49	0	1	0	0
## 668	18-29	0	0	0	0
## 669	40-49	0	1	0	0
## 670	30-39	1	0	0	0
## 671	30-39	1	0	0	0
## 672	40-49	0	1	0	0
## 673	50-59	0	0	1	0
## 674	40-49	0	1	0	0
## 675	30-39	1	0	0	0
## 676	30-39	1	0	0	0
## 677	30-39	1	0	0	0
## 678	40-49	0	1	0	0
## 679	50-59	0	0	1	0
## 680	30-39	1	0	0	0
## 681	40-49	0	1	0	0
## 682	50-59	0	0	1	0
## 683	40-49	0	1	0	0
## 684	30-39	1	0	0	0
## 685	30-39	1	0	0	0
## 686	50-59	0	0	1	0
## 687	40-49	0	1	0	0
## 688	18-29	0	0	0	0
## 689	30-39	1	0	0	0
## 690	30-39	1	0	0	0
## 691	40-49	0	1	0	0
## 692	30-39	1	0	0	0
## 693	30-39	1	0	0	0
## 694	30-39	1	0	0	0
## 695	30-39	1	0	0	0
## 696	40-49	0	1	0	0
## 697	18-29	0	0	0	0
## 698	40-49	0	1	0	0
## 699	30-39	1	0	0	0
## 700	40-49	0	1	0	0
## 701	40-49	0	1	0	0
## 702	40-49	0	1	0	0
## 703	30-39	1	0	0	0
## 704	18-29	0	0	0	0
## 705	18-29	0	0	0	0
## 706	50-59	0	0	1	0
## 707	18-29	0	0	0	0
## 708	30-39	1	0	0	0
## 709	50-59	0	0	1	0
## 710	30-39	1	0	0	0

## 711	30-39	1	0	0	0
## 712	30-39	1	0	0	0
## 713	40-49	0	1	0	0
## 714	18-29	0	0	0	0
## 715	40-49	0	1	0	0
## 716	18-29	0	0	0	0
## 717	30-39	1	0	0	0
## 718	18-29	0	0	0	0
## 719	40-49	0	1	0	0
## 720	40-49	0	1	0	0
## 721	18-29	0	0	0	0
## 722	40-49	0	1	0	0
## 723	40-49	0	1	0	0
## 724	30-39	1	0	0	0
## 725	40-49	0	1	0	0
## 726	40-49	0	1	0	0
## 727	40-49	0	1	0	0
## 728	18-29	0	0	0	0
## 729	50-59	0	0	1	0
## 730	50-59	0	0	1	0
## 731	40-49	0	1	0	0
## 732	30-39	1	0	0	0
## 733	30-39	1	0	0	0
## 734	40-49	0	1	0	0
## 735	18-29	0	0	0	0
## 736	50-59	0	0	1	0
## 737	50-59	0	0	1	0
## 738	30-39	1	0	0	0
## 739	30-39	1	0	0	0
## 740	18-29	0	0	0	0
## 741	30-39	1	0	0	0
## 742	18-29	0	0	0	0
## 743	50-59	0	0	1	0
## 744	40-49	0	1	0	0
## 745	30-39	1	0	0	0
## 746	40-49	0	1	0	0
## 747	40-49	0	1	0	0
## 748	30-39	1	0	0	0
## 749	50-59	0	0	1	0
## 750	30-39	1	0	0	0
## 751	50-59	0	0	1	0
## 752	18-29	0	0	0	0
## 753	40-49	0	1	0	0
## 754	40-49	0	1	0	0
## 755	18-29	0	0	0	0
## 756	40-49	0	1	0	0
## 757	30-39	1	0	0	0
## 758	18-29	0	0	0	0
## 759	40-49	0	1	0	0
## 760	40-49	0	1	0	0
## 761	18-29	0	0	0	0
## 762	18-29	0	0	0	0
## 763	40-49	0	1	0	0
## 764	30-39	1	0	0	0

## 765	30-39	1	0	0	0
## 766	30-39	1	0	0	0
## 767	50-59	0	0	1	0
## 768	30-39	1	0	0	0
## 769	18-29	0	0	0	0
## 770	18-29	0	0	0	0
## 771	40-49	0	1	0	0
## 772	18-29	0	0	0	0
## 773	18-29	0	0	0	0
## 774	40-49	0	1	0	0
## 775	30-39	1	0	0	0
## 776	30-39	1	0	0	0
## 777	50-59	0	0	1	0
## 778	40-49	0	1	0	0
## 779	40-49	0	1	0	0
## 780	30-39	1	0	0	0
## 781	18-29	0	0	0	0
## 782	40-49	0	1	0	0
## 783	18-29	0	0	0	0
## 784	50-59	0	0	1	0
## 785	40-49	0	1	0	0
## 786	40-49	0	1	0	0
## 787	40-49	0	1	0	0
## 788	40-49	0	1	0	0
## 789	40-49	0	1	0	0
## 790	18-29	0	0	0	0
## 791	18-29	0	0	0	0
## 792	30-39	1	0	0	0
## 793	50-59	0	0	1	0
## 794	30-39	1	0	0	0
## 795	40-49	0	1	0	0
## 796	18-29	0	0	0	0
## 797	40-49	0	1	0	0
## 798	50-59	0	0	1	0
## 799	30-39	1	0	0	0
## 800	30-39	1	0	0	0
## 801	40-49	0	1	0	0
## 802	40-49	0	1	0	0
## 803	18-29	0	0	0	0
## 804	18-29	0	0	0	0
## 805	18-29	0	0	0	0
## 806	30-39	1	0	0	0
## 807	50-59	0	0	1	0
## 808	50-59	0	0	1	0
## 809	30-39	1	0	0	0
## 810	30-39	1	0	0	0
## 811	30-39	1	0	0	0
## 812	40-49	0	1	0	0
## 813	30-39	1	0	0	0
## 814	30-39	1	0	0	0
## 815	60 or over	0	0	0	1
## 816	30-39	1	0	0	0
## 817	30-39	1	0	0	0
## 818	18-29	0	0	0	0

## 819	30-39	1	0	0	0
## 820	40-49	0	1	0	0
## 821	40-49	0	1	0	0
## 822	18-29	0	0	0	0
## 823	18-29	0	0	0	0
## 824	50-59	0	0	1	0
## 825	40-49	0	1	0	0
## 826	18-29	0	0	0	0
## 827	30-39	1	0	0	0
## 828	40-49	0	1	0	0
## 829	30-39	1	0	0	0
## 830	40-49	0	1	0	0
## 831	30-39	1	0	0	0
## 832	30-39	1	0	0	0
## 833	18-29	0	0	0	0
## 834	18-29	0	0	0	0
## 835	40-49	0	1	0	0
## 836	40-49	0	1	0	0
## 837	40-49	0	1	0	0
## 838	30-39	1	0	0	0
## 839	50-59	0	0	1	0
## 840	50-59	0	0	1	0
## 841	50-59	0	0	1	0
## 842	40-49	0	1	0	0
## 843	30-39	1	0	0	0
## 844	50-59	0	0	1	0
## 845	30-39	1	0	0	0
## 846	40-49	0	1	0	0
## 847	40-49	0	1	0	0
## 848	50-59	0	0	1	0
## 849	18-29	0	0	0	0
## 850	40-49	0	1	0	0
## 851	50-59	0	0	1	0
## 852	18-29	0	0	0	0
## 853	30-39	1	0	0	0
## 854	30-39	1	0	0	0
## 855	40-49	0	1	0	0
## 856	18-29	0	0	0	0
## 857	30-39	1	0	0	0
## 858	40-49	0	1	0	0
## 859	40-49	0	1	0	0
## 860	30-39	1	0	0	0
## 861	50-59	0	0	1	0
## 862	40-49	0	1	0	0
## 863	18-29	0	0	0	0
## 864	30-39	1	0	0	0
## 865	30-39	1	0	0	0
## 866	18-29	0	0	0	0
## 867	50-59	0	0	1	0
## 868	18-29	0	0	0	0
## 869	30-39	1	0	0	0
## 870	18-29	0	0	0	0
## 871	30-39	1	0	0	0
## 872	30-39	1	0	0	0

## 873	30-39	1	0	0	0
## 874	30-39	1	0	0	0
## 875	30-39	1	0	0	0
## 876	50-59	0	0	1	0
## 877	50-59	0	0	1	0
## 878	50-59	0	0	1	0
## 879	40-49	0	1	0	0
## 880	40-49	0	1	0	0
## 881	60 or over	0	0	0	1
## 882	40-49	0	1	0	0
## 883	40-49	0	1	0	0
## 884	40-49	0	1	0	0
## 885	40-49	0	1	0	0
## 886	30-39	1	0	0	0
## 887	40-49	0	1	0	0
## 888	40-49	0	1	0	0
## 889	30-39	1	0	0	0
## 890	40-49	0	1	0	0
## 891	40-49	0	1	0	0
## 892	50-59	0	0	1	0
## 893	18-29	0	0	0	0
## 894	18-29	0	0	0	0
## 895	18-29	0	0	0	0
## 896	50-59	0	0	1	0
## 897	40-49	0	1	0	0
## 898	30-39	1	0	0	0
## 899	30-39	1	0	0	0
## 900	60 or over	0	0	0	1
## 901	50-59	0	0	1	0
## 902	18-29	0	0	0	0
## 903	30-39	1	0	0	0
## 904	30-39	1	0	0	0
## 905	40-49	0	1	0	0
## 906	30-39	1	0	0	0
## 907	40-49	0	1	0	0
## 908	18-29	0	0	0	0
## 909	18-29	0	0	0	0
## 910	50-59	0	0	1	0
## 911	30-39	1	0	0	0
## 912	40-49	0	1	0	0
## 913	30-39	1	0	0	0
## 914	50-59	0	0	1	0
## 915	40-49	0	1	0	0
## 916	30-39	1	0	0	0
## 917	50-59	0	0	1	0
## 918	40-49	0	1	0	0
## 919	30-39	1	0	0	0
## 920	40-49	0	1	0	0
## 921	50-59	0	0	1	0
## 922	40-49	0	1	0	0
## 923	40-49	0	1	0	0
## 924	50-59	0	0	1	0
## 925	18-29	0	0	0	0
## 926	30-39	1	0	0	0

## 927	18-29	0	0	0	0
## 928	18-29	0	0	0	0
## 929	30-39	1	0	0	0
## 930	30-39	1	0	0	0
## 931	30-39	1	0	0	0
## 932	40-49	0	1	0	0
## 933	18-29	0	0	0	0
## 934	30-39	1	0	0	0
## 935	40-49	0	1	0	0
## 936	40-49	0	1	0	0
## 937	18-29	0	0	0	0
## 938	30-39	1	0	0	0
## 939	40-49	0	1	0	0
## 940	40-49	0	1	0	0
## 941	18-29	0	0	0	0
## 942	30-39	1	0	0	0
## 943	40-49	0	1	0	0
## 944	30-39	1	0	0	0
## 945	30-39	1	0	0	0
## 946	30-39	1	0	0	0
## 947	50-59	0	0	1	0
## 948	50-59	0	0	1	0
## 949	50-59	0	0	1	0
## 950	40-49	0	1	0	0
## 951	30-39	1	0	0	0
## 952	18-29	0	0	0	0
## 953	30-39	1	0	0	0
## 954	40-49	0	1	0	0
## 955	50-59	0	0	1	0
## 956	18-29	0	0	0	0
## 957	30-39	1	0	0	0
## 958	40-49	0	1	0	0
## 959	18-29	0	0	0	0
## 960	40-49	0	1	0	0
## 961	50-59	0	0	1	0
## 962	18-29	0	0	0	0
## 963	18-29	0	0	0	0
## 964	40-49	0	1	0	0
## 965	30-39	1	0	0	0
## 966	60 or over	0	0	0	1
## 967	60 or over	0	0	0	1
## 968	18-29	0	0	0	0
## 969	40-49	0	1	0	0
## 970	50-59	0	0	1	0
## 971	50-59	0	0	1	0
## 972	18-29	0	0	0	0
## 973	30-39	1	0	0	0
## 974	40-49	0	1	0	0
## 975	30-39	1	0	0	0
## 976	40-49	0	1	0	0
## 977	30-39	1	0	0	0
## 978	50-59	0	0	1	0
## 979	30-39	1	0	0	0
## 980	50-59	0	0	1	0

## 981	50-59	0	0	1	0
## 982	18-29	0	0	0	0
## 983	50-59	0	0	1	0
## 984	18-29	0	0	0	0
## 985	30-39	1	0	0	0
## 986	18-29	0	0	0	0
## 987	40-49	0	1	0	0
## 988	50-59	0	0	1	0
## 989	30-39	1	0	0	0
## 990	18-29	0	0	0	0
## 991	18-29	0	0	0	0
## 992	40-49	0	1	0	0
## 993	30-39	1	0	0	0
## 994	30-39	1	0	0	0
## 995	50-59	0	0	1	0
## 996	30-39	1	0	0	0
## 997	30-39	1	0	0	0
## 998	30-39	1	0	0	0
## 999	40-49	0	1	0	0
## 1000	40-49	0	1	0	0
## 1001	18-29	0	0	0	0
## 1002	30-39	1	0	0	0
## 1003	18-29	0	0	0	0
## 1004	40-49	0	1	0	0
## 1005	50-59	0	0	1	0
## 1006	30-39	1	0	0	0
## 1007	50-59	0	0	1	0
## 1008	40-49	0	1	0	0
## 1009	50-59	0	0	1	0
## 1010	18-29	0	0	0	0
## 1011	40-49	0	1	0	0
## 1012	30-39	1	0	0	0
## 1013	40-49	0	1	0	0
## 1014	30-39	1	0	0	0
## 1015	50-59	0	0	1	0
## 1016	18-29	0	0	0	0
## 1017	18-29	0	0	0	0
## 1018	30-39	1	0	0	0
## 1019	40-49	0	1	0	0
## 1020	18-29	0	0	0	0
## 1021	50-59	0	0	1	0
## 1022	18-29	0	0	0	0
## 1023	40-49	0	1	0	0
## 1024	18-29	0	0	0	0
## 1025	50-59	0	0	1	0
## 1026	30-39	1	0	0	0
## 1027	30-39	1	0	0	0
## 1028	30-39	1	0	0	0
## 1029	40-49	0	1	0	0
## 1030	40-49	0	1	0	0
## 1031	30-39	1	0	0	0
## 1032	50-59	0	0	1	0
## 1033	30-39	1	0	0	0
## 1034	50-59	0	0	1	0

## 1035	40-49	0	1	0	0
## 1036	30-39	1	0	0	0
## 1037	40-49	0	1	0	0
## 1038	18-29	0	0	0	0
## 1039	30-39	1	0	0	0
## 1040	30-39	1	0	0	0
## 1041	40-49	0	1	0	0
## 1042	30-39	1	0	0	0
## 1043	40-49	0	1	0	0
## 1044	30-39	1	0	0	0
## 1045	40-49	0	1	0	0
## 1046	40-49	0	1	0	0
## 1047	30-39	1	0	0	0
## 1048	40-49	0	1	0	0
## 1049	40-49	0	1	0	0
## 1050	30-39	1	0	0	0
## 1051	30-39	1	0	0	0
## 1052	50-59	0	0	1	0
## 1053	18-29	0	0	0	0
## 1054	18-29	0	0	0	0
## 1055	40-49	0	1	0	0
## 1056	40-49	0	1	0	0
## 1057	30-39	1	0	0	0
## 1058	18-29	0	0	0	0
## 1059	18-29	0	0	0	0
## 1060	40-49	0	1	0	0
## 1061	40-49	0	1	0	0
## 1062	30-39	1	0	0	0
## 1063	40-49	0	1	0	0
## 1064	18-29	0	0	0	0
## 1065	18-29	0	0	0	0
## 1066	50-59	0	0	1	0
## 1067	18-29	0	0	0	0
## 1068	50-59	0	0	1	0
## 1069	30-39	1	0	0	0
## 1070	50-59	0	0	1	0
## 1071	40-49	0	1	0	0
## 1072	18-29	0	0	0	0
## 1073	30-39	1	0	0	0
## 1074	50-59	0	0	1	0
## 1075	40-49	0	1	0	0
## 1076	40-49	0	1	0	0
## 1077	40-49	0	1	0	0
## 1078	30-39	1	0	0	0
## 1079	18-29	0	0	0	0
## 1080	30-39	1	0	0	0
## 1081	18-29	0	0	0	0
## 1082	30-39	1	0	0	0
## 1083	30-39	1	0	0	0
## 1084	18-29	0	0	0	0
## 1085	18-29	0	0	0	0
## 1086	40-49	0	1	0	0
## 1087	40-49	0	1	0	0
## 1088	40-49	0	1	0	0

## 1089	30-39	1	0	0	0
## 1090	30-39	1	0	0	0
## 1091	50-59	0	0	1	0
## 1092	40-49	0	1	0	0
## 1093	18-29	0	0	0	0
## 1094	50-59	0	0	1	0
## 1095	50-59	0	0	1	0
## 1096	30-39	1	0	0	0
## 1097	18-29	0	0	0	0
## 1098	18-29	0	0	0	0
## 1099	40-49	0	1	0	0
## 1100	50-59	0	0	1	0
## 1101	40-49	0	1	0	0
## 1102	18-29	0	0	0	0
## 1103	30-39	1	0	0	0
## 1104	50-59	0	0	1	0
## 1105	40-49	0	1	0	0
## 1106	30-39	1	0	0	0
## 1107	18-29	0	0	0	0
## 1108	18-29	0	0	0	0
## 1109	18-29	0	0	0	0
## 1110	40-49	0	1	0	0
## 1111	30-39	1	0	0	0
## 1112	60 or over	0	0	0	1
## 1113	30-39	1	0	0	0
## 1114	18-29	0	0	0	0
## 1115	40-49	0	1	0	0
## 1116	18-29	0	0	0	0
## 1117	30-39	1	0	0	0
## 1118	18-29	0	0	0	0
## 1119	18-29	0	0	0	0
## 1120	40-49	0	1	0	0
## 1121	50-59	0	0	1	0
## 1122	40-49	0	1	0	0
## 1123	18-29	0	0	0	0
## 1124	18-29	0	0	0	0
## 1125	30-39	1	0	0	0
## 1126	40-49	0	1	0	0
## 1127	30-39	1	0	0	0
## 1128	18-29	0	0	0	0
## 1129	30-39	1	0	0	0
## 1130	40-49	0	1	0	0
## 1131	30-39	1	0	0	0
## 1132	50-59	0	0	1	0
## 1133	30-39	1	0	0	0
## 1134	40-49	0	1	0	0
## 1135	40-49	0	1	0	0
## 1136	18-29	0	0	0	0
## 1137	40-49	0	1	0	0
## 1138	30-39	1	0	0	0
## 1139	40-49	0	1	0	0
## 1140	18-29	0	0	0	0
## 1141	30-39	1	0	0	0
## 1142	40-49	0	1	0	0

## 1143	30-39	1	0	0	0
## 1144	30-39	1	0	0	0
## 1145	40-49	0	1	0	0
## 1146	30-39	1	0	0	0
## 1147	40-49	0	1	0	0
## 1148	40-49	0	1	0	0
## 1149	30-39	1	0	0	0
## 1150	18-29	0	0	0	0
## 1151	50-59	0	0	1	0
## 1152	40-49	0	1	0	0
## 1153	18-29	0	0	0	0
## 1154	30-39	1	0	0	0
## 1155	50-59	0	0	1	0
## 1156	30-39	1	0	0	0
## 1157	50-59	0	0	1	0
## 1158	18-29	0	0	0	0
## 1159	30-39	1	0	0	0
## 1160	30-39	1	0	0	0
## 1161	40-49	0	1	0	0
## 1162	40-49	0	1	0	0
## 1163	30-39	1	0	0	0
## 1164	40-49	0	1	0	0
## 1165	18-29	0	0	0	0
## 1166	40-49	0	1	0	0
## 1167	30-39	1	0	0	0
## 1168	50-59	0	0	1	0
## 1169	18-29	0	0	0	0
## 1170	40-49	0	1	0	0
## 1171	30-39	1	0	0	0
## 1172	40-49	0	1	0	0
## 1173	30-39	1	0	0	0
## 1174	18-29	0	0	0	0
## 1175	40-49	0	1	0	0
## 1176	18-29	0	0	0	0
## 1177	50-59	0	0	1	0
## 1178	40-49	0	1	0	0
## 1179	30-39	1	0	0	0
## 1180	40-49	0	1	0	0
## 1181	50-59	0	0	1	0
## 1182	30-39	1	0	0	0
## 1183	18-29	0	0	0	0
## 1184	40-49	0	1	0	0
## 1185	40-49	0	1	0	0
## 1186	50-59	0	0	1	0
## 1187	50-59	0	0	1	0
## 1188	30-39	1	0	0	0
## 1189	50-59	0	0	1	0
## 1190	30-39	1	0	0	0
## 1191	40-49	0	1	0	0
## 1192	30-39	1	0	0	0
## 1193	18-29	0	0	0	0
## 1194	40-49	0	1	0	0
## 1195	40-49	0	1	0	0
## 1196	40-49	0	1	0	0

## 1197	30-39	1	0	0	0
## 1198	50-59	0	0	1	0
## 1199	40-49	0	1	0	0
## 1200	40-49	0	1	0	0
## 1201	30-39	1	0	0	0
## 1202	30-39	1	0	0	0
## 1203	40-49	0	1	0	0
## 1204	30-39	1	0	0	0
## 1205	30-39	1	0	0	0
## 1206	50-59	0	0	1	0
## 1207	30-39	1	0	0	0
## 1208	30-39	1	0	0	0
## 1209	40-49	0	1	0	0
## 1210	30-39	1	0	0	0
## 1211	40-49	0	1	0	0
## 1212	50-59	0	0	1	0
## 1213	30-39	1	0	0	0
## 1214	18-29	0	0	0	0
## 1215	40-49	0	1	0	0
## 1216	60 or over	0	0	0	1
## 1217	40-49	0	1	0	0
## 1218	30-39	1	0	0	0
## 1219	30-39	1	0	0	0
## 1220	30-39	1	0	0	0
## 1221	40-49	0	1	0	0
## 1222	50-59	0	0	1	0
## 1223	50-59	0	0	1	0
## 1224	40-49	0	1	0	0
## 1225	30-39	1	0	0	0
## 1226	40-49	0	1	0	0
## 1227	40-49	0	1	0	0
## 1228	30-39	1	0	0	0
## 1229	18-29	0	0	0	0
## 1230	50-59	0	0	1	0
## 1231	50-59	0	0	1	0
## 1232	50-59	0	0	1	0
## 1233	50-59	0	0	1	0
## 1234	60 or over	0	0	0	1
## 1235	30-39	1	0	0	0
## 1236	18-29	0	0	0	0
## 1237	50-59	0	0	1	0
## 1238	30-39	1	0	0	0
## 1239	30-39	1	0	0	0
## 1240	18-29	0	0	0	0
## 1241	30-39	1	0	0	0
## 1242	30-39	1	0	0	0
## 1243	18-29	0	0	0	0
## 1244	18-29	0	0	0	0
## 1245	18-29	0	0	0	0
## 1246	30-39	1	0	0	0
## 1247	30-39	1	0	0	0
## 1248	50-59	0	0	1	0
## 1249	40-49	0	1	0	0
## 1250	18-29	0	0	0	0

## 1251	40-49	0	1	0	0
## 1252	30-39	1	0	0	0
## 1253	30-39	1	0	0	0
## 1254	18-29	0	0	0	0
## 1255	60 or over	0	0	0	1
## 1256	18-29	0	0	0	0
## 1257	40-49	0	1	0	0
## 1258	18-29	0	0	0	0
## 1259	30-39	1	0	0	0
## 1260	30-39	1	0	0	0
## 1261	30-39	1	0	0	0
## 1262	40-49	0	1	0	0
## 1263	60 or over	0	0	0	1
## 1264	18-29	0	0	0	0
## 1265	18-29	0	0	0	0
## 1266	30-39	1	0	0	0
## 1267	50-59	0	0	1	0
## 1268	30-39	1	0	0	0
## 1269	40-49	0	1	0	0
## 1270	30-39	1	0	0	0
## 1271	30-39	1	0	0	0
## 1272	50-59	0	0	1	0
## 1273	40-49	0	1	0	0
## 1274	30-39	1	0	0	0
## 1275	30-39	1	0	0	0
## 1276	40-49	0	1	0	0
## 1277	30-39	1	0	0	0
## 1278	30-39	1	0	0	0
## 1279	18-29	0	0	0	0
## 1280	40-49	0	1	0	0
## 1281	40-49	0	1	0	0
## 1282	30-39	1	0	0	0
## 1283	50-59	0	0	1	0
## 1284	18-29	0	0	0	0
## 1285	18-29	0	0	0	0
## 1286	50-59	0	0	1	0
## 1287	30-39	1	0	0	0
## 1288	40-49	0	1	0	0
## 1289	30-39	1	0	0	0
## 1290	30-39	1	0	0	0
## 1291	18-29	0	0	0	0
## 1292	30-39	1	0	0	0
## 1293	50-59	0	0	1	0
## 1294	30-39	1	0	0	0
## 1295	30-39	1	0	0	0
## 1296	18-29	0	0	0	0
## 1297	18-29	0	0	0	0
## 1298	30-39	1	0	0	0
## 1299	18-29	0	0	0	0
## 1300	50-59	0	0	1	0
## 1301	30-39	1	0	0	0
## 1302	18-29	0	0	0	0
## 1303	50-59	0	0	1	0
## 1304	40-49	0	1	0	0

## 1305	18-29	0	0	0	0
## 1306	18-29	0	0	0	0
## 1307	30-39	1	0	0	0
## 1308	30-39	1	0	0	0
## 1309	40-49	0	1	0	0
## 1310	50-59	0	0	1	0
## 1311	50-59	0	0	1	0
## 1312	50-59	0	0	1	0
## 1313	60 or over	0	0	0	1
## 1314	40-49	0	1	0	0
## 1315	30-39	1	0	0	0
## 1316	40-49	0	1	0	0
## 1317	30-39	1	0	0	0
## 1318	30-39	1	0	0	0
## 1319	40-49	0	1	0	0
## 1320	40-49	0	1	0	0
## 1321	40-49	0	1	0	0
## 1322	40-49	0	1	0	0
## 1323	40-49	0	1	0	0
## 1324	60 or over	0	0	0	1
## 1325	50-59	0	0	1	0
## 1326	18-29	0	0	0	0
## 1327	18-29	0	0	0	0
## 1328	30-39	1	0	0	0
## 1329	30-39	1	0	0	0
## 1330	30-39	1	0	0	0
## 1331	18-29	0	0	0	0
## 1332	40-49	0	1	0	0
## 1333	40-49	0	1	0	0
## 1334	40-49	0	1	0	0
## 1335	18-29	0	0	0	0
## 1336	30-39	1	0	0	0
## 1337	40-49	0	1	0	0
## 1338	40-49	0	1	0	0
## 1339	60 or over	0	0	0	1
## 1340	40-49	0	1	0	0
## 1341	40-49	0	1	0	0
## 1342	18-29	0	0	0	0
## 1343	30-39	1	0	0	0
## 1344	18-29	0	0	0	0
## 1345	18-29	0	0	0	0
## 1346	18-29	0	0	0	0
## 1347	40-49	0	1	0	0
## 1348	40-49	0	1	0	0
## 1349	40-49	0	1	0	0
## 1350	50-59	0	0	1	0
## 1351	40-49	0	1	0	0
## 1352	50-59	0	0	1	0
## 1353	18-29	0	0	0	0
## 1354	50-59	0	0	1	0
## 1355	18-29	0	0	0	0
## 1356	40-49	0	1	0	0
## 1357	18-29	0	0	0	0
## 1358	30-39	1	0	0	0

## 1359	30-39	1	0	0	0
## 1360	18-29	0	0	0	0
## 1361	18-29	0	0	0	0
## 1362	50-59	0	0	1	0
## 1363	18-29	0	0	0	0
## 1364	50-59	0	0	1	0
## 1365	18-29	0	0	0	0
## 1366	18-29	0	0	0	0
## 1367	40-49	0	1	0	0
## 1368	30-39	1	0	0	0
## 1369	40-49	0	1	0	0
## 1370	18-29	0	0	0	0
## 1371	40-49	0	1	0	0
## 1372	50-59	0	0	1	0
## 1373	40-49	0	1	0	0
## 1374	40-49	0	1	0	0
## 1375	50-59	0	0	1	0
## 1376	50-59	0	0	1	0
## 1377	30-39	1	0	0	0
## 1378	18-29	0	0	0	0
## 1379	30-39	1	0	0	0
## 1380	40-49	0	1	0	0
## 1381	50-59	0	0	1	0
## 1382	18-29	0	0	0	0
## 1383	30-39	1	0	0	0
## 1384	30-39	1	0	0	0
## 1385	50-59	0	0	1	0
## 1386	40-49	0	1	0	0
## 1387	40-49	0	1	0	0
## 1388	50-59	0	0	1	0
## 1389	40-49	0	1	0	0
## 1390	50-59	0	0	1	0
## 1391	40-49	0	1	0	0
## 1392	40-49	0	1	0	0
## 1393	18-29	0	0	0	0
## 1394	50-59	0	0	1	0
## 1395	40-49	0	1	0	0
## 1396	40-49	0	1	0	0
## 1397	40-49	0	1	0	0
## 1398	30-39	1	0	0	0
## 1399	18-29	0	0	0	0
## 1400	30-39	1	0	0	0
## 1401	30-39	1	0	0	0
## 1402	30-39	1	0	0	0
## 1403	18-29	0	0	0	0
## 1404	40-49	0	1	0	0
## 1405	40-49	0	1	0	0
## 1406	30-39	1	0	0	0
## 1407	30-39	1	0	0	0
## 1408	40-49	0	1	0	0
## 1409	40-49	0	1	0	0
## 1410	40-49	0	1	0	0
## 1411	30-39	1	0	0	0
## 1412	40-49	0	1	0	0

## 1413	30-39	1	0	0	0
## 1414	40-49	0	1	0	0
## 1415	18-29	0	0	0	0
## 1416	40-49	0	1	0	0
## 1417	18-29	0	0	0	0
## 1418	30-39	1	0	0	0
## 1419	30-39	1	0	0	0
## 1420	30-39	1	0	0	0
## 1421	30-39	1	0	0	0
## 1422	40-49	0	1	0	0
## 1423	30-39	1	0	0	0
## 1424	18-29	0	0	0	0
## 1425	30-39	1	0	0	0
## 1426	30-39	1	0	0	0
## 1427	50-59	0	0	1	0
## 1428	40-49	0	1	0	0
## 1429	40-49	0	1	0	0
## 1430	50-59	0	0	1	0
## 1431	18-29	0	0	0	0
## 1432	30-39	1	0	0	0
## 1433	18-29	0	0	0	0
## 1434	18-29	0	0	0	0
## 1435	50-59	0	0	1	0
## 1436	50-59	0	0	1	0
## 1437	30-39	1	0	0	0
## 1438	40-49	0	1	0	0
## 1439	18-29	0	0	0	0
## 1440	40-49	0	1	0	0
## 1441	30-39	1	0	0	0
## 1442	40-49	0	1	0	0
## 1443	60 or over	0	0	0	1
## 1444	40-49	0	1	0	0
## 1445	30-39	1	0	0	0
## 1446	40-49	0	1	0	0
## 1447	40-49	0	1	0	0
## 1448	40-49	0	1	0	0
## 1449	30-39	1	0	0	0
## 1450	18-29	0	0	0	0
## 1451	40-49	0	1	0	0
## 1452	40-49	0	1	0	0
## 1453	50-59	0	0	1	0
## 1454	30-39	1	0	0	0
## 1455	40-49	0	1	0	0
## 1456	50-59	0	0	1	0
## 1457	40-49	0	1	0	0
## 1458	40-49	0	1	0	0
## 1459	30-39	1	0	0	0
## 1460	18-29	0	0	0	0
## 1461	50-59	0	0	1	0
## 1462	40-49	0	1	0	0
## 1463	30-39	1	0	0	0
## 1464	30-39	1	0	0	0
## 1465	50-59	0	0	1	0
## 1466	30-39	1	0	0	0

## 1467	18-29	0	0	0	0
## 1468	40-49	0	1	0	0
## 1469	40-49	0	1	0	0
## 1470	30-39	1	0	0	0
## 1471	30-39	1	0	0	0
## 1472	30-39	1	0	0	0
## 1473	50-59	0	0	1	0
## 1474	40-49	0	1	0	0
## 1475	30-39	1	0	0	0
## 1476	50-59	0	0	1	0
## 1477	50-59	0	0	1	0
## 1478	40-49	0	1	0	0
## 1479	50-59	0	0	1	0
## 1480	30-39	1	0	0	0
## 1481	50-59	0	0	1	0
## 1482	40-49	0	1	0	0
## 1483	30-39	1	0	0	0
## 1484	30-39	1	0	0	0
## 1485	50-59	0	0	1	0
## 1486	30-39	1	0	0	0
## 1487	40-49	0	1	0	0
## 1488	50-59	0	0	1	0
## 1489	18-29	0	0	0	0
## 1490	50-59	0	0	1	0
## 1491	30-39	1	0	0	0
## 1492	30-39	1	0	0	0
## 1493	50-59	0	0	1	0
## 1494	30-39	1	0	0	0
## 1495	40-49	0	1	0	0
## 1496	18-29	0	0	0	0
## 1497	40-49	0	1	0	0
## 1498	40-49	0	1	0	0
## 1499	40-49	0	1	0	0
## 1500	40-49	0	1	0	0
## 1501	18-29	0	0	0	0
## 1502	40-49	0	1	0	0
## 1503	40-49	0	1	0	0
## 1504	60 or over	0	0	0	1
## 1505	30-39	1	0	0	0
## 1506	18-29	0	0	0	0
## 1507	30-39	1	0	0	0
## 1508	18-29	0	0	0	0
## 1509	30-39	1	0	0	0
## 1510	60 or over	0	0	0	1
## 1511	50-59	0	0	1	0
## 1512	18-29	0	0	0	0
## 1513	50-59	0	0	1	0
## 1514	30-39	1	0	0	0
## 1515	40-49	0	1	0	0
## 1516	50-59	0	0	1	0
## 1517	40-49	0	1	0	0
## 1518	40-49	0	1	0	0
## 1519	40-49	0	1	0	0
## 1520	30-39	1	0	0	0

## 1521	30-39	1	0	0	0
## 1522	40-49	0	1	0	0
## 1523	30-39	1	0	0	0
## 1524	18-29	0	0	0	0
## 1525	18-29	0	0	0	0
## 1526	18-29	0	0	0	0
## 1527	30-39	1	0	0	0
## 1528	40-49	0	1	0	0
## 1529	18-29	0	0	0	0
## 1530	30-39	1	0	0	0
## 1531	60 or over	0	0	0	1
## 1532	50-59	0	0	1	0
## 1533	50-59	0	0	1	0
## 1534	40-49	0	1	0	0
## 1535	18-29	0	0	0	0
## 1536	18-29	0	0	0	0
## 1537	30-39	1	0	0	0
## 1538	50-59	0	0	1	0
## 1539	40-49	0	1	0	0
## 1540	40-49	0	1	0	0
## 1541	30-39	1	0	0	0
## 1542	50-59	0	0	1	0
## 1543	60 or over	0	0	0	1
## 1544	50-59	0	0	1	0
## 1545	18-29	0	0	0	0
## 1546	18-29	0	0	0	0
## 1547	30-39	1	0	0	0
## 1548	30-39	1	0	0	0
## 1549	30-39	1	0	0	0
## 1550	40-49	0	1	0	0
## 1551	30-39	1	0	0	0
## 1552	40-49	0	1	0	0
## 1553	30-39	1	0	0	0
## 1554	18-29	0	0	0	0
## 1555	50-59	0	0	1	0
## 1556	18-29	0	0	0	0
## 1557	18-29	0	0	0	0
## 1558	50-59	0	0	1	0
## 1559	18-29	0	0	0	0
## 1560	40-49	0	1	0	0
## 1561	40-49	0	1	0	0
## 1562	30-39	1	0	0	0
## 1563	18-29	0	0	0	0
## 1564	30-39	1	0	0	0
## 1565	30-39	1	0	0	0
## 1566	18-29	0	0	0	0
## 1567	40-49	0	1	0	0
## 1568	30-39	1	0	0	0
## 1569	40-49	0	1	0	0
## 1570	40-49	0	1	0	0
## 1571	18-29	0	0	0	0
## 1572	50-59	0	0	1	0
## 1573	60 or over	0	0	0	1
## 1574	40-49	0	1	0	0

## 1575	18-29	0	0	0	0
## 1576	18-29	0	0	0	0
## 1577	30-39	1	0	0	0
## 1578	18-29	0	0	0	0
## 1579	40-49	0	1	0	0
## 1580	40-49	0	1	0	0
## 1581	30-39	1	0	0	0
## 1582	50-59	0	0	1	0
## 1583	30-39	1	0	0	0
## 1584	50-59	0	0	1	0
## 1585	50-59	0	0	1	0
## 1586	18-29	0	0	0	0
## 1587	18-29	0	0	0	0
## 1588	40-49	0	1	0	0
## 1589	30-39	1	0	0	0
## 1590	18-29	0	0	0	0
## 1591	30-39	1	0	0	0
## 1592	30-39	1	0	0	0
## 1593	40-49	0	1	0	0
## 1594	30-39	1	0	0	0
## 1595	30-39	1	0	0	0
## 1596	18-29	0	0	0	0
## 1597	50-59	0	0	1	0
## 1598	30-39	1	0	0	0
## 1599	30-39	1	0	0	0
## 1600	30-39	1	0	0	0
## 1601	30-39	1	0	0	0
## 1602	30-39	1	0	0	0
## 1603	30-39	1	0	0	0
## 1604	40-49	0	1	0	0
## 1605	50-59	0	0	1	0
## 1606	50-59	0	0	1	0
## 1607	18-29	0	0	0	0
## 1608	30-39	1	0	0	0
## 1609	60 or over	0	0	0	1
## 1610	40-49	0	1	0	0
## 1611	30-39	1	0	0	0
## 1612	60 or over	0	0	0	1
## 1613	30-39	1	0	0	0
## 1614	18-29	0	0	0	0
## 1615	30-39	1	0	0	0
## 1616	40-49	0	1	0	0
## 1617	18-29	0	0	0	0
## 1618	18-29	0	0	0	0
## 1619	50-59	0	0	1	0
## 1620	40-49	0	1	0	0
## 1621	50-59	0	0	1	0
## 1622	50-59	0	0	1	0
## 1623	40-49	0	1	0	0
## 1624	30-39	1	0	0	0
## 1625	18-29	0	0	0	0
## 1626	40-49	0	1	0	0
## 1627	40-49	0	1	0	0
## 1628	40-49	0	1	0	0

## 1629	30-39	1	0	0	0
## 1630	30-39	1	0	0	0
## 1631	18-29	0	0	0	0
## 1632	40-49	0	1	0	0
## 1633	40-49	0	1	0	0
## 1634	50-59	0	0	1	0
## 1635	50-59	0	0	1	0
## 1636	50-59	0	0	1	0
## 1637	50-59	0	0	1	0
## 1638	40-49	0	1	0	0
## 1639	50-59	0	0	1	0
## 1640	40-49	0	1	0	0
## 1641	30-39	1	0	0	0
## 1642	30-39	1	0	0	0
## 1643	40-49	0	1	0	0
## 1644	18-29	0	0	0	0
## 1645	40-49	0	1	0	0
## 1646	40-49	0	1	0	0
## 1647	30-39	1	0	0	0
## 1648	30-39	1	0	0	0
## 1649	30-39	1	0	0	0
## 1650	30-39	1	0	0	0
## 1651	40-49	0	1	0	0
## 1652	30-39	1	0	0	0
## 1653	18-29	0	0	0	0
## 1654	30-39	1	0	0	0
## 1655	40-49	0	1	0	0
## 1656	40-49	0	1	0	0
## 1657	30-39	1	0	0	0
## 1658	40-49	0	1	0	0
## 1659	30-39	1	0	0	0
## 1660	40-49	0	1	0	0
## 1661	40-49	0	1	0	0
## 1662	50-59	0	0	1	0
## 1663	30-39	1	0	0	0
## 1664	50-59	0	0	1	0
## 1665	18-29	0	0	0	0
## 1666	40-49	0	1	0	0
## 1667	50-59	0	0	1	0
## 1668	50-59	0	0	1	0
## 1669	30-39	1	0	0	0
## 1670	50-59	0	0	1	0
## 1671	40-49	0	1	0	0
## 1672	18-29	0	0	0	0
## 1673	40-49	0	1	0	0
## 1674	50-59	0	0	1	0
## 1675	40-49	0	1	0	0
## 1676	40-49	0	1	0	0
## 1677	50-59	0	0	1	0
## 1678	50-59	0	0	1	0
## 1679	50-59	0	0	1	0
## 1680	30-39	1	0	0	0
## 1681	40-49	0	1	0	0
## 1682	30-39	1	0	0	0

## 1683	30-39	1	0	0	0
## 1684	30-39	1	0	0	0
## 1685	40-49	0	1	0	0
## 1686	18-29	0	0	0	0
## 1687	50-59	0	0	1	0
## 1688	40-49	0	1	0	0
## 1689	40-49	0	1	0	0
## 1690	30-39	1	0	0	0
## 1691	30-39	1	0	0	0
## 1692	30-39	1	0	0	0
## 1693	40-49	0	1	0	0
## 1694	50-59	0	0	1	0
## 1695	40-49	0	1	0	0
## 1696	18-29	0	0	0	0
## 1697	30-39	1	0	0	0
## 1698	18-29	0	0	0	0
## 1699	18-29	0	0	0	0
## 1700	30-39	1	0	0	0
## 1701	40-49	0	1	0	0
## 1702	30-39	1	0	0	0
## 1703	40-49	0	1	0	0
## 1704	40-49	0	1	0	0
## 1705	40-49	0	1	0	0
## 1706	30-39	1	0	0	0
## 1707	18-29	0	0	0	0
## 1708	18-29	0	0	0	0
## 1709	40-49	0	1	0	0
## 1710	40-49	0	1	0	0
## 1711	50-59	0	0	1	0
## 1712	50-59	0	0	1	0
## 1713	50-59	0	0	1	0
## 1714	40-49	0	1	0	0
## 1715	30-39	1	0	0	0
## 1716	40-49	0	1	0	0
## 1717	40-49	0	1	0	0
## 1718	18-29	0	0	0	0
## 1719	30-39	1	0	0	0
## 1720	18-29	0	0	0	0
## 1721	30-39	1	0	0	0
## 1722	30-39	1	0	0	0
## 1723	50-59	0	0	1	0
## 1724	60 or over	0	0	0	1
## 1725	40-49	0	1	0	0
## 1726	40-49	0	1	0	0
## 1727	30-39	1	0	0	0
## 1728	40-49	0	1	0	0
## 1729	18-29	0	0	0	0
## 1730	40-49	0	1	0	0
## 1731	30-39	1	0	0	0
## 1732	18-29	0	0	0	0
## 1733	40-49	0	1	0	0
## 1734	40-49	0	1	0	0
## 1735	40-49	0	1	0	0
## 1736	40-49	0	1	0	0

## 1737	40-49	0	1	0	0
## 1738	30-39	1	0	0	0
## 1739	30-39	1	0	0	0
## 1740	18-29	0	0	0	0
## 1741	50-59	0	0	1	0
## 1742	30-39	1	0	0	0
## 1743	50-59	0	0	1	0
## 1744	30-39	1	0	0	0
## 1745	30-39	1	0	0	0
## 1746	40-49	0	1	0	0
## 1747	50-59	0	0	1	0
## 1748	50-59	0	0	1	0
## 1749	40-49	0	1	0	0
## 1750	18-29	0	0	0	0
## 1751	30-39	1	0	0	0
## 1752	18-29	0	0	0	0
## 1753	40-49	0	1	0	0
## 1754	18-29	0	0	0	0
## 1755	18-29	0	0	0	0
## 1756	18-29	0	0	0	0
## 1757	30-39	1	0	0	0
## 1758	30-39	1	0	0	0
## 1759	50-59	0	0	1	0
## 1760	50-59	0	0	1	0
## 1761	18-29	0	0	0	0
## 1762	30-39	1	0	0	0
## 1763	40-49	0	1	0	0
## 1764	30-39	1	0	0	0
## 1765	30-39	1	0	0	0
## 1766	40-49	0	1	0	0
## 1767	40-49	0	1	0	0
## 1768	40-49	0	1	0	0
## 1769	40-49	0	1	0	0
## 1770	40-49	0	1	0	0
## 1771	18-29	0	0	0	0
## 1772	30-39	1	0	0	0
## 1773	60 or over	0	0	0	1
## 1774	40-49	0	1	0	0
## 1775	50-59	0	0	1	0
## 1776	30-39	1	0	0	0
## 1777	30-39	1	0	0	0
## 1778	18-29	0	0	0	0
## 1779	40-49	0	1	0	0
## 1780	50-59	0	0	1	0
## 1781	40-49	0	1	0	0
## 1782	18-29	0	0	0	0
## 1783	30-39	1	0	0	0
## 1784	40-49	0	1	0	0
## 1785	30-39	1	0	0	0
## 1786	18-29	0	0	0	0
## 1787	50-59	0	0	1	0
## 1788	50-59	0	0	1	0
## 1789	40-49	0	1	0	0
## 1790	40-49	0	1	0	0

## 1791	18-29	0	0	0	0
## 1792	30-39	1	0	0	0
## 1793	40-49	0	1	0	0
## 1794	18-29	0	0	0	0
## 1795	18-29	0	0	0	0
## 1796	40-49	0	1	0	0
## 1797	50-59	0	0	1	0
## 1798	40-49	0	1	0	0
## 1799	40-49	0	1	0	0
## 1800	18-29	0	0	0	0
## 1801	30-39	1	0	0	0
## 1802	40-49	0	1	0	0
## 1803	30-39	1	0	0	0
## 1804	50-59	0	0	1	0
## 1805	30-39	1	0	0	0
## 1806	40-49	0	1	0	0
## 1807	18-29	0	0	0	0
## 1808	30-39	1	0	0	0
## 1809	30-39	1	0	0	0
## 1810	40-49	0	1	0	0
## 1811	40-49	0	1	0	0
## 1812	50-59	0	0	1	0
## 1813	30-39	1	0	0	0
## 1814	50-59	0	0	1	0
## 1815	50-59	0	0	1	0
## 1816	18-29	0	0	0	0
## 1817	18-29	0	0	0	0
## 1818	40-49	0	1	0	0
## 1819	30-39	1	0	0	0
## 1820	50-59	0	0	1	0
## 1821	60 or over	0	0	0	1
## 1822	30-39	1	0	0	0
## 1823	30-39	1	0	0	0
## 1824	40-49	0	1	0	0
## 1825	40-49	0	1	0	0
## 1826	30-39	1	0	0	0
## 1827	50-59	0	0	1	0
## 1828	30-39	1	0	0	0
## 1829	18-29	0	0	0	0
## 1830	40-49	0	1	0	0
## 1831	40-49	0	1	0	0
## 1832	30-39	1	0	0	0
## 1833	30-39	1	0	0	0
## 1834	30-39	1	0	0	0
## 1835	18-29	0	0	0	0
## 1836	30-39	1	0	0	0
## 1837	40-49	0	1	0	0
## 1838	50-59	0	0	1	0
## 1839	30-39	1	0	0	0
## 1840	40-49	0	1	0	0
## 1841	40-49	0	1	0	0
## 1842	30-39	1	0	0	0
## 1843	30-39	1	0	0	0
## 1844	40-49	0	1	0	0

## 1845	30-39	1	0	0	0
## 1846	30-39	1	0	0	0
## 1847	30-39	1	0	0	0
## 1848	18-29	0	0	0	0
## 1849	18-29	0	0	0	0
## 1850	18-29	0	0	0	0
## 1851	18-29	0	0	0	0
## 1852	50-59	0	0	1	0
## 1853	50-59	0	0	1	0
## 1854	30-39	1	0	0	0
## 1855	60 or over	0	0	0	1
## 1856	30-39	1	0	0	0
## 1857	18-29	0	0	0	0
## 1858	50-59	0	0	1	0
## 1859	18-29	0	0	0	0
## 1860	30-39	1	0	0	0
## 1861	18-29	0	0	0	0
## 1862	40-49	0	1	0	0
## 1863	50-59	0	0	1	0
## 1864	30-39	1	0	0	0
## 1865	18-29	0	0	0	0
## 1866	50-59	0	0	1	0
## 1867	40-49	0	1	0	0
## 1868	50-59	0	0	1	0
## 1869	30-39	1	0	0	0
## 1870	50-59	0	0	1	0
## 1871	30-39	1	0	0	0
## 1872	30-39	1	0	0	0
## 1873	50-59	0	0	1	0
## 1874	18-29	0	0	0	0
## 1875	30-39	1	0	0	0
## 1876	40-49	0	1	0	0
## 1877	40-49	0	1	0	0
## 1878	50-59	0	0	1	0
## 1879	30-39	1	0	0	0
## 1880	30-39	1	0	0	0
## 1881	18-29	0	0	0	0
## 1882	30-39	1	0	0	0
## 1883	18-29	0	0	0	0
## 1884	30-39	1	0	0	0
## 1885	30-39	1	0	0	0
## 1886	40-49	0	1	0	0
## 1887	30-39	1	0	0	0
## 1888	30-39	1	0	0	0
## 1889	40-49	0	1	0	0
## 1890	18-29	0	0	0	0
## 1891	40-49	0	1	0	0
## 1892	40-49	0	1	0	0
## 1893	18-29	0	0	0	0
## 1894	18-29	0	0	0	0
## 1895	30-39	1	0	0	0
## 1896	50-59	0	0	1	0
## 1897	30-39	1	0	0	0
## 1898	40-49	0	1	0	0

## 1899	30-39	1	0	0	0
## 1900	30-39	1	0	0	0
## 1901	18-29	0	0	0	0
## 1902	30-39	1	0	0	0
## 1903	18-29	0	0	0	0
## 1904	50-59	0	0	1	0
## 1905	30-39	1	0	0	0
## 1906	40-49	0	1	0	0
## 1907	30-39	1	0	0	0
## 1908	40-49	0	1	0	0
## 1909	40-49	0	1	0	0
## 1910	30-39	1	0	0	0
## 1911	40-49	0	1	0	0
## 1912	30-39	1	0	0	0
## 1913	40-49	0	1	0	0
## 1914	40-49	0	1	0	0
## 1915	30-39	1	0	0	0
## 1916	30-39	1	0	0	0
## 1917	60 or over	0	0	0	1
## 1918	40-49	0	1	0	0
## 1919	40-49	0	1	0	0
## 1920	40-49	0	1	0	0
## 1921	40-49	0	1	0	0
## 1922	30-39	1	0	0	0
## 1923	30-39	1	0	0	0
## 1924	18-29	0	0	0	0
## 1925	30-39	1	0	0	0
## 1926	40-49	0	1	0	0
## 1927	50-59	0	0	1	0
## 1928	30-39	1	0	0	0
## 1929	18-29	0	0	0	0
## 1930	30-39	1	0	0	0
## 1931	18-29	0	0	0	0
## 1932	50-59	0	0	1	0
## 1933	30-39	1	0	0	0
## 1934	40-49	0	1	0	0
## 1935	18-29	0	0	0	0
## 1936	18-29	0	0	0	0
## 1937	50-59	0	0	1	0
## 1938	30-39	1	0	0	0
## 1939	50-59	0	0	1	0
## 1940	50-59	0	0	1	0
## 1941	40-49	0	1	0	0
## 1942	40-49	0	1	0	0
## 1943	30-39	1	0	0	0
## 1944	40-49	0	1	0	0
## 1945	30-39	1	0	0	0
## 1946	30-39	1	0	0	0
## 1947	30-39	1	0	0	0
## 1948	50-59	0	0	1	0
## 1949	50-59	0	0	1	0
## 1950	18-29	0	0	0	0
## 1951	30-39	1	0	0	0
## 1952	18-29	0	0	0	0

## 1953	30-39	1	0	0	0
## 1954	30-39	1	0	0	0
## 1955	50-59	0	0	1	0
## 1956	18-29	0	0	0	0
## 1957	30-39	1	0	0	0
## 1958	40-49	0	1	0	0
## 1959	40-49	0	1	0	0
## 1960	18-29	0	0	0	0
## 1961	18-29	0	0	0	0
## 1962	30-39	1	0	0	0
## 1963	50-59	0	0	1	0
## 1964	30-39	1	0	0	0
## 1965	30-39	1	0	0	0
## 1966	50-59	0	0	1	0
## 1967	40-49	0	1	0	0
## 1968	30-39	1	0	0	0
## 1969	30-39	1	0	0	0
## 1970	60 or over	0	0	0	1
## 1971	50-59	0	0	1	0
## 1972	30-39	1	0	0	0
## 1973	40-49	0	1	0	0
## 1974	40-49	0	1	0	0
## 1975	40-49	0	1	0	0
## 1976	30-39	1	0	0	0
## 1977	30-39	1	0	0	0
## 1978	18-29	0	0	0	0
## 1979	40-49	0	1	0	0
## 1980	18-29	0	0	0	0
## 1981	40-49	0	1	0	0
## 1982	40-49	0	1	0	0
## 1983	50-59	0	0	1	0
## 1984	30-39	1	0	0	0
## 1985	50-59	0	0	1	0
## 1986	30-39	1	0	0	0
## 1987	30-39	1	0	0	0
## 1988	40-49	0	1	0	0
## 1989	40-49	0	1	0	0
## 1990	30-39	1	0	0	0
## 1991	40-49	0	1	0	0
## 1992	18-29	0	0	0	0
## 1993	30-39	1	0	0	0
## 1994	30-39	1	0	0	0
## 1995	50-59	0	0	1	0
## 1996	18-29	0	0	0	0
## 1997	18-29	0	0	0	0
## 1998	18-29	0	0	0	0
## 1999	30-39	1	0	0	0
## 2000	40-49	0	1	0	0

Low Variance

Variables that have zero variance have no predictive power, therefore should be eliminated. But, even variables that have variance close to zero should be candidates for exclusion as they have limited predictive power. Moreover, in analyses involving resampling, one of the samples may end up having a predictor with

zero variance.

In the `fastfood` data, a very small percent of the sample is 60 or over.

```
df2 %>%
  group_by(age)%>%
  summarize(n = n())%>%
  ungroup()%>%
  mutate(percent = 100*n/sum(n))
```

```
## # A tibble: 5 x 3
##   age          n percent
##   <chr>      <int>   <dbl>
## 1 18-29      413    20.6
## 2 30-39      614    30.7
## 3 40-49      626    31.3
## 4 50-59      309    15.4
## 5 60 or over   38     1.9
```

The `nearZeroVar` function in `caret` sifts through the data looking for variables that have a ratio of most common and second most common value greater than 19. Based on this criterion the dummy variable, `age60_or_over` is deemed to as having near zero variance.

```
library(caret)
nearZeroVar(df2[,c('age', 'age30_39', 'age40_49', 'age50_59', 'age60_or_over')], saveMetrics = T)
```

	freqRatio	percentUnique	zeroVar	nzv
## age	1.019544	0.25	FALSE	FALSE
## age30_39	2.257329	0.10	FALSE	FALSE
## age40_49	2.194888	0.10	FALSE	FALSE
## age50_59	5.472492	0.10	FALSE	FALSE
## age60_or_over	51.631579	0.10	FALSE	TRUE

Lump Categories

We can address near zero variance variables by eliminating them. Alternatively, one can combine all rare categories into an “Other” group. Yet another solution is to combine a rare category with another related category. In the `fastfood` data, those that are 60 or over can be combined with the group including those who are 50-59 to create a group of respondents who are 50 or over.

One way to combine groups is by using the same level name for the groups to be combined

```
df3 = df2
df3$age = as.factor(df3$age)
table(df3$age)
```

##	18-29	30-39	40-49	50-59	60 or over
##	413	614	626	309	38

```
levels(df3$age) = c('18-29', '30-39', '40-49', '50 and over', '50 and over')
table(df3$age)
```

##	18-29	30-39	40-49	50 and over
##	413	614	626	347

Alternatively, one can use helper functions such as `fct_collapse` from the `forcats` library

```

library(forcats)
df3 = df2
fct_count(df3$age)

## # A tibble: 5 x 2
##   f           n
##   <fct>       <int>
## 1 18-29       413
## 2 30-39       614
## 3 40-49       626
## 4 50-59       309
## 5 60 or over   38

df3$age = fct_collapse(df3$age, '50_or_over' = c('50-59', '60 or over'))
fct_count(df3$age)

## # A tibble: 4 x 2
##   f           n
##   <fct>       <int>
## 1 18-29       413
## 2 30-39       614
## 3 40-49       626
## 4 50_or_over  347

```

Other Category

When a variable contains a number of rare or infrequently occurring levels, one solution is to put them in an “other” category. In `fastfood` data, most respondents are “married” or “never married”.

```

fct_count(df$marital_status)

## # A tibble: 5 x 2
##   f           n
##   <fct>       <int>
## 1 divorced    74
## 2 married    812
## 3 never married 992
## 4 separated  108
## 5 widowed    14

```

So, we can lump the remaining groups into “Other” based on a criterion like proportion greater than 10%.

```

fct_lump(f = df$marital_status, prop = 0.1)%>%
  fct_count()

## # A tibble: 3 x 2
##   f           n
##   <fct>       <int>
## 1 married    812
## 2 never married 992
## 3 Other     196

```

Numeric Variables

Numeric variables can take on values along a continuum and meaningful arithmetic can be performed. Other labels used to characterize this type of data include quantitative variable, and metric variable.

Scaling

Certain predictive modeling techniques require predictors to be in the same units. Analysis techniques that take into account distance or dot products (e.g., k-Nearest Neighbors, and support vector machines) require predictors to be in the same units. This can be accomplished by transformations such as centering, standardizing or range scaling.

We illustrate each of these scaling methods using Chipotle's ratings.

```
df %>%
  mutate(Centered = scale(chipotle, center = T, scale = F),
         Standardized = scale(chipotle, center = T, scale = T),
         Range_Scaled = (chipotle - min(chipotle))/(max(chipotle) - min(chipotle)))%>%
  select(chipotle, Centered, Standardized, Range_Scaled)%>%
  rename(Original = chipotle)
```

##	Original	Centered	Standardized	Range_Scaled
## 1	7	3.0055	1.727760373	1.0000000
## 2	7	3.0055	1.727760373	1.0000000
## 3	2	-1.9945	-1.146570642	0.1666667
## 4	4	0.0055	0.003161764	0.5000000
## 5	3	-0.9945	-0.571704439	0.3333333
## 6	6	2.0055	1.152894170	0.8333333
## 7	5	1.0055	0.578027967	0.6666667
## 8	1	-2.9945	-1.721436844	0.0000000
## 9	2	-1.9945	-1.146570642	0.1666667
## 10	7	3.0055	1.727760373	1.0000000
## 11	3	-0.9945	-0.571704439	0.3333333
## 12	3	-0.9945	-0.571704439	0.3333333
## 13	6	2.0055	1.152894170	0.8333333
## 14	3	-0.9945	-0.571704439	0.3333333
## 15	1	-2.9945	-1.721436844	0.0000000
## 16	3	-0.9945	-0.571704439	0.3333333
## 17	5	1.0055	0.578027967	0.6666667
## 18	4	0.0055	0.003161764	0.5000000
## 19	2	-1.9945	-1.146570642	0.1666667
## 20	1	-2.9945	-1.721436844	0.0000000
## 21	7	3.0055	1.727760373	1.0000000
## 22	6	2.0055	1.152894170	0.8333333
## 23	1	-2.9945	-1.721436844	0.0000000
## 24	1	-2.9945	-1.721436844	0.0000000
## 25	3	-0.9945	-0.571704439	0.3333333
## 26	5	1.0055	0.578027967	0.6666667
## 27	7	3.0055	1.727760373	1.0000000
## 28	4	0.0055	0.003161764	0.5000000
## 29	2	-1.9945	-1.146570642	0.1666667
## 30	3	-0.9945	-0.571704439	0.3333333
## 31	6	2.0055	1.152894170	0.8333333
## 32	3	-0.9945	-0.571704439	0.3333333
## 33	4	0.0055	0.003161764	0.5000000
## 34	4	0.0055	0.003161764	0.5000000
## 35	3	-0.9945	-0.571704439	0.3333333
## 36	7	3.0055	1.727760373	1.0000000
## 37	4	0.0055	0.003161764	0.5000000
## 38	5	1.0055	0.578027967	0.6666667
## 39	4	0.0055	0.003161764	0.5000000

## 40	3	-0.9945	-0.571704439	0.3333333
## 41	1	-2.9945	-1.721436844	0.0000000
## 42	3	-0.9945	-0.571704439	0.3333333
## 43	3	-0.9945	-0.571704439	0.3333333
## 44	5	1.0055	0.578027967	0.6666667
## 45	5	1.0055	0.578027967	0.6666667
## 46	4	0.0055	0.003161764	0.5000000
## 47	5	1.0055	0.578027967	0.6666667
## 48	4	0.0055	0.003161764	0.5000000
## 49	5	1.0055	0.578027967	0.6666667
## 50	3	-0.9945	-0.571704439	0.3333333
## 51	3	-0.9945	-0.571704439	0.3333333
## 52	5	1.0055	0.578027967	0.6666667
## 53	4	0.0055	0.003161764	0.5000000
## 54	2	-1.9945	-1.146570642	0.1666667
## 55	3	-0.9945	-0.571704439	0.3333333
## 56	5	1.0055	0.578027967	0.6666667
## 57	2	-1.9945	-1.146570642	0.1666667
## 58	5	1.0055	0.578027967	0.6666667
## 59	7	3.0055	1.727760373	1.0000000
## 60	1	-2.9945	-1.721436844	0.0000000
## 61	3	-0.9945	-0.571704439	0.3333333
## 62	1	-2.9945	-1.721436844	0.0000000
## 63	4	0.0055	0.003161764	0.5000000
## 64	4	0.0055	0.003161764	0.5000000
## 65	1	-2.9945	-1.721436844	0.0000000
## 66	4	0.0055	0.003161764	0.5000000
## 67	3	-0.9945	-0.571704439	0.3333333
## 68	6	2.0055	1.152894170	0.8333333
## 69	5	1.0055	0.578027967	0.6666667
## 70	4	0.0055	0.003161764	0.5000000
## 71	7	3.0055	1.727760373	1.0000000
## 72	3	-0.9945	-0.571704439	0.3333333
## 73	4	0.0055	0.003161764	0.5000000
## 74	4	0.0055	0.003161764	0.5000000
## 75	3	-0.9945	-0.571704439	0.3333333
## 76	5	1.0055	0.578027967	0.6666667
## 77	3	-0.9945	-0.571704439	0.3333333
## 78	3	-0.9945	-0.571704439	0.3333333
## 79	5	1.0055	0.578027967	0.6666667
## 80	3	-0.9945	-0.571704439	0.3333333
## 81	3	-0.9945	-0.571704439	0.3333333
## 82	3	-0.9945	-0.571704439	0.3333333
## 83	3	-0.9945	-0.571704439	0.3333333
## 84	2	-1.9945	-1.146570642	0.1666667
## 85	4	0.0055	0.003161764	0.5000000
## 86	2	-1.9945	-1.146570642	0.1666667
## 87	1	-2.9945	-1.721436844	0.0000000
## 88	3	-0.9945	-0.571704439	0.3333333
## 89	6	2.0055	1.152894170	0.8333333
## 90	7	3.0055	1.727760373	1.0000000
## 91	2	-1.9945	-1.146570642	0.1666667
## 92	6	2.0055	1.152894170	0.8333333
## 93	3	-0.9945	-0.571704439	0.3333333

## 94	6	2.0055	1.152894170	0.8333333
## 95	5	1.0055	0.578027967	0.6666667
## 96	4	0.0055	0.003161764	0.5000000
## 97	4	0.0055	0.003161764	0.5000000
## 98	2	-1.9945	-1.146570642	0.1666667
## 99	3	-0.9945	-0.571704439	0.3333333
## 100	3	-0.9945	-0.571704439	0.3333333
## 101	3	-0.9945	-0.571704439	0.3333333
## 102	5	1.0055	0.578027967	0.6666667
## 103	1	-2.9945	-1.721436844	0.0000000
## 104	5	1.0055	0.578027967	0.6666667
## 105	5	1.0055	0.578027967	0.6666667
## 106	5	1.0055	0.578027967	0.6666667
## 107	7	3.0055	1.727760373	1.0000000
## 108	4	0.0055	0.003161764	0.5000000
## 109	2	-1.9945	-1.146570642	0.1666667
## 110	3	-0.9945	-0.571704439	0.3333333
## 111	6	2.0055	1.152894170	0.8333333
## 112	5	1.0055	0.578027967	0.6666667
## 113	5	1.0055	0.578027967	0.6666667
## 114	1	-2.9945	-1.721436844	0.0000000
## 115	1	-2.9945	-1.721436844	0.0000000
## 116	6	2.0055	1.152894170	0.8333333
## 117	6	2.0055	1.152894170	0.8333333
## 118	3	-0.9945	-0.571704439	0.3333333
## 119	7	3.0055	1.727760373	1.0000000
## 120	4	0.0055	0.003161764	0.5000000
## 121	4	0.0055	0.003161764	0.5000000
## 122	3	-0.9945	-0.571704439	0.3333333
## 123	1	-2.9945	-1.721436844	0.0000000
## 124	6	2.0055	1.152894170	0.8333333
## 125	5	1.0055	0.578027967	0.6666667
## 126	7	3.0055	1.727760373	1.0000000
## 127	5	1.0055	0.578027967	0.6666667
## 128	7	3.0055	1.727760373	1.0000000
## 129	6	2.0055	1.152894170	0.8333333
## 130	7	3.0055	1.727760373	1.0000000
## 131	5	1.0055	0.578027967	0.6666667
## 132	4	0.0055	0.003161764	0.5000000
## 133	2	-1.9945	-1.146570642	0.1666667
## 134	2	-1.9945	-1.146570642	0.1666667
## 135	2	-1.9945	-1.146570642	0.1666667
## 136	2	-1.9945	-1.146570642	0.1666667
## 137	3	-0.9945	-0.571704439	0.3333333
## 138	7	3.0055	1.727760373	1.0000000
## 139	2	-1.9945	-1.146570642	0.1666667
## 140	1	-2.9945	-1.721436844	0.0000000
## 141	6	2.0055	1.152894170	0.8333333
## 142	4	0.0055	0.003161764	0.5000000
## 143	4	0.0055	0.003161764	0.5000000
## 144	4	0.0055	0.003161764	0.5000000
## 145	7	3.0055	1.727760373	1.0000000
## 146	1	-2.9945	-1.721436844	0.0000000
## 147	1	-2.9945	-1.721436844	0.0000000

## 148	5	1.0055	0.578027967	0.6666667
## 149	6	2.0055	1.152894170	0.8333333
## 150	3	-0.9945	-0.571704439	0.3333333
## 151	3	-0.9945	-0.571704439	0.3333333
## 152	5	1.0055	0.578027967	0.6666667
## 153	4	0.0055	0.003161764	0.5000000
## 154	3	-0.9945	-0.571704439	0.3333333
## 155	2	-1.9945	-1.146570642	0.1666667
## 156	6	2.0055	1.152894170	0.8333333
## 157	2	-1.9945	-1.146570642	0.1666667
## 158	5	1.0055	0.578027967	0.6666667
## 159	5	1.0055	0.578027967	0.6666667
## 160	1	-2.9945	-1.721436844	0.0000000
## 161	3	-0.9945	-0.571704439	0.3333333
## 162	5	1.0055	0.578027967	0.6666667
## 163	7	3.0055	1.727760373	1.0000000
## 164	1	-2.9945	-1.721436844	0.0000000
## 165	7	3.0055	1.727760373	1.0000000
## 166	3	-0.9945	-0.571704439	0.3333333
## 167	1	-2.9945	-1.721436844	0.0000000
## 168	4	0.0055	0.003161764	0.5000000
## 169	4	0.0055	0.003161764	0.5000000
## 170	4	0.0055	0.003161764	0.5000000
## 171	6	2.0055	1.152894170	0.8333333
## 172	4	0.0055	0.003161764	0.5000000
## 173	4	0.0055	0.003161764	0.5000000
## 174	5	1.0055	0.578027967	0.6666667
## 175	4	0.0055	0.003161764	0.5000000
## 176	4	0.0055	0.003161764	0.5000000
## 177	3	-0.9945	-0.571704439	0.3333333
## 178	7	3.0055	1.727760373	1.0000000
## 179	4	0.0055	0.003161764	0.5000000
## 180	6	2.0055	1.152894170	0.8333333
## 181	3	-0.9945	-0.571704439	0.3333333
## 182	3	-0.9945	-0.571704439	0.3333333
## 183	4	0.0055	0.003161764	0.5000000
## 184	3	-0.9945	-0.571704439	0.3333333
## 185	7	3.0055	1.727760373	1.0000000
## 186	3	-0.9945	-0.571704439	0.3333333
## 187	4	0.0055	0.003161764	0.5000000
## 188	1	-2.9945	-1.721436844	0.0000000
## 189	6	2.0055	1.152894170	0.8333333
## 190	5	1.0055	0.578027967	0.6666667
## 191	7	3.0055	1.727760373	1.0000000
## 192	7	3.0055	1.727760373	1.0000000
## 193	1	-2.9945	-1.721436844	0.0000000
## 194	5	1.0055	0.578027967	0.6666667
## 195	5	1.0055	0.578027967	0.6666667
## 196	3	-0.9945	-0.571704439	0.3333333
## 197	4	0.0055	0.003161764	0.5000000
## 198	1	-2.9945	-1.721436844	0.0000000
## 199	1	-2.9945	-1.721436844	0.0000000
## 200	7	3.0055	1.727760373	1.0000000
## 201	7	3.0055	1.727760373	1.0000000

## 202	3	-0.9945	-0.571704439	0.3333333
## 203	7	3.0055	1.727760373	1.0000000
## 204	3	-0.9945	-0.571704439	0.3333333
## 205	3	-0.9945	-0.571704439	0.3333333
## 206	2	-1.9945	-1.146570642	0.1666667
## 207	4	0.0055	0.003161764	0.5000000
## 208	6	2.0055	1.152894170	0.8333333
## 209	5	1.0055	0.578027967	0.6666667
## 210	6	2.0055	1.152894170	0.8333333
## 211	1	-2.9945	-1.721436844	0.0000000
## 212	4	0.0055	0.003161764	0.5000000
## 213	4	0.0055	0.003161764	0.5000000
## 214	7	3.0055	1.727760373	1.0000000
## 215	2	-1.9945	-1.146570642	0.1666667
## 216	5	1.0055	0.578027967	0.6666667
## 217	5	1.0055	0.578027967	0.6666667
## 218	3	-0.9945	-0.571704439	0.3333333
## 219	4	0.0055	0.003161764	0.5000000
## 220	5	1.0055	0.578027967	0.6666667
## 221	5	1.0055	0.578027967	0.6666667
## 222	5	1.0055	0.578027967	0.6666667
## 223	3	-0.9945	-0.571704439	0.3333333
## 224	6	2.0055	1.152894170	0.8333333
## 225	6	2.0055	1.152894170	0.8333333
## 226	4	0.0055	0.003161764	0.5000000
## 227	7	3.0055	1.727760373	1.0000000
## 228	5	1.0055	0.578027967	0.6666667
## 229	5	1.0055	0.578027967	0.6666667
## 230	1	-2.9945	-1.721436844	0.0000000
## 231	6	2.0055	1.152894170	0.8333333
## 232	7	3.0055	1.727760373	1.0000000
## 233	1	-2.9945	-1.721436844	0.0000000
## 234	2	-1.9945	-1.146570642	0.1666667
## 235	6	2.0055	1.152894170	0.8333333
## 236	3	-0.9945	-0.571704439	0.3333333
## 237	3	-0.9945	-0.571704439	0.3333333
## 238	7	3.0055	1.727760373	1.0000000
## 239	4	0.0055	0.003161764	0.5000000
## 240	4	0.0055	0.003161764	0.5000000
## 241	3	-0.9945	-0.571704439	0.3333333
## 242	2	-1.9945	-1.146570642	0.1666667
## 243	5	1.0055	0.578027967	0.6666667
## 244	7	3.0055	1.727760373	1.0000000
## 245	5	1.0055	0.578027967	0.6666667
## 246	6	2.0055	1.152894170	0.8333333
## 247	3	-0.9945	-0.571704439	0.3333333
## 248	6	2.0055	1.152894170	0.8333333
## 249	4	0.0055	0.003161764	0.5000000
## 250	3	-0.9945	-0.571704439	0.3333333
## 251	3	-0.9945	-0.571704439	0.3333333
## 252	4	0.0055	0.003161764	0.5000000
## 253	5	1.0055	0.578027967	0.6666667
## 254	3	-0.9945	-0.571704439	0.3333333
## 255	3	-0.9945	-0.571704439	0.3333333

## 256	4	0.0055	0.003161764	0.5000000
## 257	7	3.0055	1.727760373	1.0000000
## 258	5	1.0055	0.578027967	0.6666667
## 259	4	0.0055	0.003161764	0.5000000
## 260	3	-0.9945	-0.571704439	0.3333333
## 261	6	2.0055	1.152894170	0.8333333
## 262	1	-2.9945	-1.721436844	0.0000000
## 263	7	3.0055	1.727760373	1.0000000
## 264	6	2.0055	1.152894170	0.8333333
## 265	5	1.0055	0.578027967	0.6666667
## 266	3	-0.9945	-0.571704439	0.3333333
## 267	3	-0.9945	-0.571704439	0.3333333
## 268	1	-2.9945	-1.721436844	0.0000000
## 269	4	0.0055	0.003161764	0.5000000
## 270	3	-0.9945	-0.571704439	0.3333333
## 271	4	0.0055	0.003161764	0.5000000
## 272	5	1.0055	0.578027967	0.6666667
## 273	4	0.0055	0.003161764	0.5000000
## 274	3	-0.9945	-0.571704439	0.3333333
## 275	6	2.0055	1.152894170	0.8333333
## 276	3	-0.9945	-0.571704439	0.3333333
## 277	5	1.0055	0.578027967	0.6666667
## 278	1	-2.9945	-1.721436844	0.0000000
## 279	4	0.0055	0.003161764	0.5000000
## 280	1	-2.9945	-1.721436844	0.0000000
## 281	1	-2.9945	-1.721436844	0.0000000
## 282	3	-0.9945	-0.571704439	0.3333333
## 283	2	-1.9945	-1.146570642	0.1666667
## 284	5	1.0055	0.578027967	0.6666667
## 285	3	-0.9945	-0.571704439	0.3333333
## 286	3	-0.9945	-0.571704439	0.3333333
## 287	3	-0.9945	-0.571704439	0.3333333
## 288	4	0.0055	0.003161764	0.5000000
## 289	3	-0.9945	-0.571704439	0.3333333
## 290	1	-2.9945	-1.721436844	0.0000000
## 291	5	1.0055	0.578027967	0.6666667
## 292	4	0.0055	0.003161764	0.5000000
## 293	2	-1.9945	-1.146570642	0.1666667
## 294	6	2.0055	1.152894170	0.8333333
## 295	4	0.0055	0.003161764	0.5000000
## 296	7	3.0055	1.727760373	1.0000000
## 297	1	-2.9945	-1.721436844	0.0000000
## 298	3	-0.9945	-0.571704439	0.3333333
## 299	3	-0.9945	-0.571704439	0.3333333
## 300	5	1.0055	0.578027967	0.6666667
## 301	3	-0.9945	-0.571704439	0.3333333
## 302	1	-2.9945	-1.721436844	0.0000000
## 303	3	-0.9945	-0.571704439	0.3333333
## 304	3	-0.9945	-0.571704439	0.3333333
## 305	2	-1.9945	-1.146570642	0.1666667
## 306	7	3.0055	1.727760373	1.0000000
## 307	2	-1.9945	-1.146570642	0.1666667
## 308	6	2.0055	1.152894170	0.8333333
## 309	2	-1.9945	-1.146570642	0.1666667

## 310	4	0.0055	0.003161764	0.5000000
## 311	5	1.0055	0.578027967	0.6666667
## 312	6	2.0055	1.152894170	0.8333333
## 313	4	0.0055	0.003161764	0.5000000
## 314	1	-2.9945	-1.721436844	0.0000000
## 315	3	-0.9945	-0.571704439	0.3333333
## 316	1	-2.9945	-1.721436844	0.0000000
## 317	4	0.0055	0.003161764	0.5000000
## 318	4	0.0055	0.003161764	0.5000000
## 319	1	-2.9945	-1.721436844	0.0000000
## 320	5	1.0055	0.578027967	0.6666667
## 321	3	-0.9945	-0.571704439	0.3333333
## 322	4	0.0055	0.003161764	0.5000000
## 323	1	-2.9945	-1.721436844	0.0000000
## 324	3	-0.9945	-0.571704439	0.3333333
## 325	4	0.0055	0.003161764	0.5000000
## 326	7	3.0055	1.727760373	1.0000000
## 327	5	1.0055	0.578027967	0.6666667
## 328	1	-2.9945	-1.721436844	0.0000000
## 329	4	0.0055	0.003161764	0.5000000
## 330	7	3.0055	1.727760373	1.0000000
## 331	4	0.0055	0.003161764	0.5000000
## 332	3	-0.9945	-0.571704439	0.3333333
## 333	5	1.0055	0.578027967	0.6666667
## 334	1	-2.9945	-1.721436844	0.0000000
## 335	7	3.0055	1.727760373	1.0000000
## 336	3	-0.9945	-0.571704439	0.3333333
## 337	3	-0.9945	-0.571704439	0.3333333
## 338	4	0.0055	0.003161764	0.5000000
## 339	1	-2.9945	-1.721436844	0.0000000
## 340	1	-2.9945	-1.721436844	0.0000000
## 341	2	-1.9945	-1.146570642	0.1666667
## 342	3	-0.9945	-0.571704439	0.3333333
## 343	4	0.0055	0.003161764	0.5000000
## 344	3	-0.9945	-0.571704439	0.3333333
## 345	4	0.0055	0.003161764	0.5000000
## 346	6	2.0055	1.152894170	0.8333333
## 347	1	-2.9945	-1.721436844	0.0000000
## 348	5	1.0055	0.578027967	0.6666667
## 349	4	0.0055	0.003161764	0.5000000
## 350	5	1.0055	0.578027967	0.6666667
## 351	5	1.0055	0.578027967	0.6666667
## 352	7	3.0055	1.727760373	1.0000000
## 353	5	1.0055	0.578027967	0.6666667
## 354	4	0.0055	0.003161764	0.5000000
## 355	4	0.0055	0.003161764	0.5000000
## 356	4	0.0055	0.003161764	0.5000000
## 357	3	-0.9945	-0.571704439	0.3333333
## 358	6	2.0055	1.152894170	0.8333333
## 359	5	1.0055	0.578027967	0.6666667
## 360	1	-2.9945	-1.721436844	0.0000000
## 361	5	1.0055	0.578027967	0.6666667
## 362	6	2.0055	1.152894170	0.8333333
## 363	1	-2.9945	-1.721436844	0.0000000

## 364	5	1.0055	0.578027967	0.6666667
## 365	4	0.0055	0.003161764	0.5000000
## 366	5	1.0055	0.578027967	0.6666667
## 367	7	3.0055	1.727760373	1.0000000
## 368	2	-1.9945	-1.146570642	0.1666667
## 369	3	-0.9945	-0.571704439	0.3333333
## 370	4	0.0055	0.003161764	0.5000000
## 371	1	-2.9945	-1.721436844	0.0000000
## 372	1	-2.9945	-1.721436844	0.0000000
## 373	1	-2.9945	-1.721436844	0.0000000
## 374	7	3.0055	1.727760373	1.0000000
## 375	6	2.0055	1.152894170	0.8333333
## 376	5	1.0055	0.578027967	0.6666667
## 377	3	-0.9945	-0.571704439	0.3333333
## 378	4	0.0055	0.003161764	0.5000000
## 379	3	-0.9945	-0.571704439	0.3333333
## 380	1	-2.9945	-1.721436844	0.0000000
## 381	3	-0.9945	-0.571704439	0.3333333
## 382	3	-0.9945	-0.571704439	0.3333333
## 383	7	3.0055	1.727760373	1.0000000
## 384	4	0.0055	0.003161764	0.5000000
## 385	2	-1.9945	-1.146570642	0.1666667
## 386	3	-0.9945	-0.571704439	0.3333333
## 387	4	0.0055	0.003161764	0.5000000
## 388	1	-2.9945	-1.721436844	0.0000000
## 389	3	-0.9945	-0.571704439	0.3333333
## 390	6	2.0055	1.152894170	0.8333333
## 391	3	-0.9945	-0.571704439	0.3333333
## 392	4	0.0055	0.003161764	0.5000000
## 393	3	-0.9945	-0.571704439	0.3333333
## 394	7	3.0055	1.727760373	1.0000000
## 395	4	0.0055	0.003161764	0.5000000
## 396	2	-1.9945	-1.146570642	0.1666667
## 397	6	2.0055	1.152894170	0.8333333
## 398	3	-0.9945	-0.571704439	0.3333333
## 399	4	0.0055	0.003161764	0.5000000
## 400	5	1.0055	0.578027967	0.6666667
## 401	3	-0.9945	-0.571704439	0.3333333
## 402	4	0.0055	0.003161764	0.5000000
## 403	6	2.0055	1.152894170	0.8333333
## 404	4	0.0055	0.003161764	0.5000000
## 405	1	-2.9945	-1.721436844	0.0000000
## 406	7	3.0055	1.727760373	1.0000000
## 407	1	-2.9945	-1.721436844	0.0000000
## 408	3	-0.9945	-0.571704439	0.3333333
## 409	2	-1.9945	-1.146570642	0.1666667
## 410	6	2.0055	1.152894170	0.8333333
## 411	4	0.0055	0.003161764	0.5000000
## 412	7	3.0055	1.727760373	1.0000000
## 413	4	0.0055	0.003161764	0.5000000
## 414	6	2.0055	1.152894170	0.8333333
## 415	4	0.0055	0.003161764	0.5000000
## 416	4	0.0055	0.003161764	0.5000000
## 417	7	3.0055	1.727760373	1.0000000

## 418	3	-0.9945	-0.571704439	0.3333333
## 419	3	-0.9945	-0.571704439	0.3333333
## 420	1	-2.9945	-1.721436844	0.0000000
## 421	5	1.0055	0.578027967	0.6666667
## 422	6	2.0055	1.152894170	0.8333333
## 423	6	2.0055	1.152894170	0.8333333
## 424	4	0.0055	0.003161764	0.5000000
## 425	4	0.0055	0.003161764	0.5000000
## 426	6	2.0055	1.152894170	0.8333333
## 427	5	1.0055	0.578027967	0.6666667
## 428	7	3.0055	1.727760373	1.0000000
## 429	7	3.0055	1.727760373	1.0000000
## 430	4	0.0055	0.003161764	0.5000000
## 431	3	-0.9945	-0.571704439	0.3333333
## 432	4	0.0055	0.003161764	0.5000000
## 433	4	0.0055	0.003161764	0.5000000
## 434	7	3.0055	1.727760373	1.0000000
## 435	5	1.0055	0.578027967	0.6666667
## 436	1	-2.9945	-1.721436844	0.0000000
## 437	3	-0.9945	-0.571704439	0.3333333
## 438	6	2.0055	1.152894170	0.8333333
## 439	3	-0.9945	-0.571704439	0.3333333
## 440	7	3.0055	1.727760373	1.0000000
## 441	4	0.0055	0.003161764	0.5000000
## 442	3	-0.9945	-0.571704439	0.3333333
## 443	6	2.0055	1.152894170	0.8333333
## 444	5	1.0055	0.578027967	0.6666667
## 445	3	-0.9945	-0.571704439	0.3333333
## 446	3	-0.9945	-0.571704439	0.3333333
## 447	5	1.0055	0.578027967	0.6666667
## 448	5	1.0055	0.578027967	0.6666667
## 449	1	-2.9945	-1.721436844	0.0000000
## 450	6	2.0055	1.152894170	0.8333333
## 451	6	2.0055	1.152894170	0.8333333
## 452	2	-1.9945	-1.146570642	0.1666667
## 453	1	-2.9945	-1.721436844	0.0000000
## 454	6	2.0055	1.152894170	0.8333333
## 455	4	0.0055	0.003161764	0.5000000
## 456	3	-0.9945	-0.571704439	0.3333333
## 457	1	-2.9945	-1.721436844	0.0000000
## 458	7	3.0055	1.727760373	1.0000000
## 459	4	0.0055	0.003161764	0.5000000
## 460	6	2.0055	1.152894170	0.8333333
## 461	1	-2.9945	-1.721436844	0.0000000
## 462	2	-1.9945	-1.146570642	0.1666667
## 463	3	-0.9945	-0.571704439	0.3333333
## 464	6	2.0055	1.152894170	0.8333333
## 465	3	-0.9945	-0.571704439	0.3333333
## 466	2	-1.9945	-1.146570642	0.1666667
## 467	2	-1.9945	-1.146570642	0.1666667
## 468	5	1.0055	0.578027967	0.6666667
## 469	6	2.0055	1.152894170	0.8333333
## 470	1	-2.9945	-1.721436844	0.0000000
## 471	7	3.0055	1.727760373	1.0000000

## 472	3	-0.9945	-0.571704439	0.3333333
## 473	3	-0.9945	-0.571704439	0.3333333
## 474	3	-0.9945	-0.571704439	0.3333333
## 475	4	0.0055	0.003161764	0.5000000
## 476	4	0.0055	0.003161764	0.5000000
## 477	1	-2.9945	-1.721436844	0.0000000
## 478	7	3.0055	1.727760373	1.0000000
## 479	7	3.0055	1.727760373	1.0000000
## 480	1	-2.9945	-1.721436844	0.0000000
## 481	6	2.0055	1.152894170	0.8333333
## 482	2	-1.9945	-1.146570642	0.1666667
## 483	1	-2.9945	-1.721436844	0.0000000
## 484	1	-2.9945	-1.721436844	0.0000000
## 485	5	1.0055	0.578027967	0.6666667
## 486	3	-0.9945	-0.571704439	0.3333333
## 487	4	0.0055	0.003161764	0.5000000
## 488	4	0.0055	0.003161764	0.5000000
## 489	1	-2.9945	-1.721436844	0.0000000
## 490	3	-0.9945	-0.571704439	0.3333333
## 491	3	-0.9945	-0.571704439	0.3333333
## 492	4	0.0055	0.003161764	0.5000000
## 493	4	0.0055	0.003161764	0.5000000
## 494	2	-1.9945	-1.146570642	0.1666667
## 495	2	-1.9945	-1.146570642	0.1666667
## 496	4	0.0055	0.003161764	0.5000000
## 497	4	0.0055	0.003161764	0.5000000
## 498	4	0.0055	0.003161764	0.5000000
## 499	4	0.0055	0.003161764	0.5000000
## 500	7	3.0055	1.727760373	1.0000000
## 501	4	0.0055	0.003161764	0.5000000
## 502	4	0.0055	0.003161764	0.5000000
## 503	5	1.0055	0.578027967	0.6666667
## 504	3	-0.9945	-0.571704439	0.3333333
## 505	4	0.0055	0.003161764	0.5000000
## 506	3	-0.9945	-0.571704439	0.3333333
## 507	1	-2.9945	-1.721436844	0.0000000
## 508	3	-0.9945	-0.571704439	0.3333333
## 509	4	0.0055	0.003161764	0.5000000
## 510	4	0.0055	0.003161764	0.5000000
## 511	3	-0.9945	-0.571704439	0.3333333
## 512	4	0.0055	0.003161764	0.5000000
## 513	2	-1.9945	-1.146570642	0.1666667
## 514	6	2.0055	1.152894170	0.8333333
## 515	7	3.0055	1.727760373	1.0000000
## 516	3	-0.9945	-0.571704439	0.3333333
## 517	5	1.0055	0.578027967	0.6666667
## 518	4	0.0055	0.003161764	0.5000000
## 519	5	1.0055	0.578027967	0.6666667
## 520	5	1.0055	0.578027967	0.6666667
## 521	1	-2.9945	-1.721436844	0.0000000
## 522	5	1.0055	0.578027967	0.6666667
## 523	5	1.0055	0.578027967	0.6666667
## 524	5	1.0055	0.578027967	0.6666667
## 525	2	-1.9945	-1.146570642	0.1666667

## 526	1	-2.9945	-1.721436844	0.0000000
## 527	3	-0.9945	-0.571704439	0.3333333
## 528	6	2.0055	1.152894170	0.8333333
## 529	5	1.0055	0.578027967	0.6666667
## 530	7	3.0055	1.727760373	1.0000000
## 531	5	1.0055	0.578027967	0.6666667
## 532	4	0.0055	0.003161764	0.5000000
## 533	5	1.0055	0.578027967	0.6666667
## 534	4	0.0055	0.003161764	0.5000000
## 535	1	-2.9945	-1.721436844	0.0000000
## 536	4	0.0055	0.003161764	0.5000000
## 537	6	2.0055	1.152894170	0.8333333
## 538	4	0.0055	0.003161764	0.5000000
## 539	5	1.0055	0.578027967	0.6666667
## 540	3	-0.9945	-0.571704439	0.3333333
## 541	4	0.0055	0.003161764	0.5000000
## 542	5	1.0055	0.578027967	0.6666667
## 543	7	3.0055	1.727760373	1.0000000
## 544	6	2.0055	1.152894170	0.8333333
## 545	2	-1.9945	-1.146570642	0.1666667
## 546	4	0.0055	0.003161764	0.5000000
## 547	5	1.0055	0.578027967	0.6666667
## 548	3	-0.9945	-0.571704439	0.3333333
## 549	3	-0.9945	-0.571704439	0.3333333
## 550	1	-2.9945	-1.721436844	0.0000000
## 551	5	1.0055	0.578027967	0.6666667
## 552	1	-2.9945	-1.721436844	0.0000000
## 553	6	2.0055	1.152894170	0.8333333
## 554	1	-2.9945	-1.721436844	0.0000000
## 555	5	1.0055	0.578027967	0.6666667
## 556	6	2.0055	1.152894170	0.8333333
## 557	5	1.0055	0.578027967	0.6666667
## 558	6	2.0055	1.152894170	0.8333333
## 559	2	-1.9945	-1.146570642	0.1666667
## 560	3	-0.9945	-0.571704439	0.3333333
## 561	7	3.0055	1.727760373	1.0000000
## 562	5	1.0055	0.578027967	0.6666667
## 563	7	3.0055	1.727760373	1.0000000
## 564	1	-2.9945	-1.721436844	0.0000000
## 565	7	3.0055	1.727760373	1.0000000
## 566	5	1.0055	0.578027967	0.6666667
## 567	4	0.0055	0.003161764	0.5000000
## 568	7	3.0055	1.727760373	1.0000000
## 569	7	3.0055	1.727760373	1.0000000
## 570	2	-1.9945	-1.146570642	0.1666667
## 571	6	2.0055	1.152894170	0.8333333
## 572	5	1.0055	0.578027967	0.6666667
## 573	5	1.0055	0.578027967	0.6666667
## 574	3	-0.9945	-0.571704439	0.3333333
## 575	3	-0.9945	-0.571704439	0.3333333
## 576	5	1.0055	0.578027967	0.6666667
## 577	1	-2.9945	-1.721436844	0.0000000
## 578	3	-0.9945	-0.571704439	0.3333333
## 579	5	1.0055	0.578027967	0.6666667

## 580	5	1.0055	0.578027967	0.6666667
## 581	5	1.0055	0.578027967	0.6666667
## 582	5	1.0055	0.578027967	0.6666667
## 583	3	-0.9945	-0.571704439	0.3333333
## 584	3	-0.9945	-0.571704439	0.3333333
## 585	3	-0.9945	-0.571704439	0.3333333
## 586	5	1.0055	0.578027967	0.6666667
## 587	5	1.0055	0.578027967	0.6666667
## 588	2	-1.9945	-1.146570642	0.1666667
## 589	2	-1.9945	-1.146570642	0.1666667
## 590	5	1.0055	0.578027967	0.6666667
## 591	4	0.0055	0.003161764	0.5000000
## 592	6	2.0055	1.152894170	0.8333333
## 593	5	1.0055	0.578027967	0.6666667
## 594	4	0.0055	0.003161764	0.5000000
## 595	7	3.0055	1.727760373	1.0000000
## 596	4	0.0055	0.003161764	0.5000000
## 597	6	2.0055	1.152894170	0.8333333
## 598	3	-0.9945	-0.571704439	0.3333333
## 599	2	-1.9945	-1.146570642	0.1666667
## 600	2	-1.9945	-1.146570642	0.1666667
## 601	6	2.0055	1.152894170	0.8333333
## 602	7	3.0055	1.727760373	1.0000000
## 603	4	0.0055	0.003161764	0.5000000
## 604	5	1.0055	0.578027967	0.6666667
## 605	5	1.0055	0.578027967	0.6666667
## 606	3	-0.9945	-0.571704439	0.3333333
## 607	5	1.0055	0.578027967	0.6666667
## 608	6	2.0055	1.152894170	0.8333333
## 609	2	-1.9945	-1.146570642	0.1666667
## 610	4	0.0055	0.003161764	0.5000000
## 611	2	-1.9945	-1.146570642	0.1666667
## 612	4	0.0055	0.003161764	0.5000000
## 613	3	-0.9945	-0.571704439	0.3333333
## 614	4	0.0055	0.003161764	0.5000000
## 615	2	-1.9945	-1.146570642	0.1666667
## 616	3	-0.9945	-0.571704439	0.3333333
## 617	4	0.0055	0.003161764	0.5000000
## 618	5	1.0055	0.578027967	0.6666667
## 619	1	-2.9945	-1.721436844	0.0000000
## 620	1	-2.9945	-1.721436844	0.0000000
## 621	3	-0.9945	-0.571704439	0.3333333
## 622	7	3.0055	1.727760373	1.0000000
## 623	5	1.0055	0.578027967	0.6666667
## 624	7	3.0055	1.727760373	1.0000000
## 625	2	-1.9945	-1.146570642	0.1666667
## 626	3	-0.9945	-0.571704439	0.3333333
## 627	4	0.0055	0.003161764	0.5000000
## 628	5	1.0055	0.578027967	0.6666667
## 629	6	2.0055	1.152894170	0.8333333
## 630	5	1.0055	0.578027967	0.6666667
## 631	3	-0.9945	-0.571704439	0.3333333
## 632	7	3.0055	1.727760373	1.0000000
## 633	3	-0.9945	-0.571704439	0.3333333

## 634	3	-0.9945	-0.571704439	0.3333333
## 635	6	2.0055	1.152894170	0.8333333
## 636	3	-0.9945	-0.571704439	0.3333333
## 637	7	3.0055	1.727760373	1.0000000
## 638	5	1.0055	0.578027967	0.6666667
## 639	6	2.0055	1.152894170	0.8333333
## 640	4	0.0055	0.003161764	0.5000000
## 641	2	-1.9945	-1.146570642	0.1666667
## 642	3	-0.9945	-0.571704439	0.3333333
## 643	1	-2.9945	-1.721436844	0.0000000
## 644	6	2.0055	1.152894170	0.8333333
## 645	5	1.0055	0.578027967	0.6666667
## 646	3	-0.9945	-0.571704439	0.3333333
## 647	2	-1.9945	-1.146570642	0.1666667
## 648	3	-0.9945	-0.571704439	0.3333333
## 649	5	1.0055	0.578027967	0.6666667
## 650	1	-2.9945	-1.721436844	0.0000000
## 651	5	1.0055	0.578027967	0.6666667
## 652	7	3.0055	1.727760373	1.0000000
## 653	4	0.0055	0.003161764	0.5000000
## 654	7	3.0055	1.727760373	1.0000000
## 655	3	-0.9945	-0.571704439	0.3333333
## 656	5	1.0055	0.578027967	0.6666667
## 657	4	0.0055	0.003161764	0.5000000
## 658	3	-0.9945	-0.571704439	0.3333333
## 659	5	1.0055	0.578027967	0.6666667
## 660	7	3.0055	1.727760373	1.0000000
## 661	3	-0.9945	-0.571704439	0.3333333
## 662	3	-0.9945	-0.571704439	0.3333333
## 663	5	1.0055	0.578027967	0.6666667
## 664	5	1.0055	0.578027967	0.6666667
## 665	3	-0.9945	-0.571704439	0.3333333
## 666	2	-1.9945	-1.146570642	0.1666667
## 667	5	1.0055	0.578027967	0.6666667
## 668	1	-2.9945	-1.721436844	0.0000000
## 669	1	-2.9945	-1.721436844	0.0000000
## 670	2	-1.9945	-1.146570642	0.1666667
## 671	7	3.0055	1.727760373	1.0000000
## 672	1	-2.9945	-1.721436844	0.0000000
## 673	5	1.0055	0.578027967	0.6666667
## 674	7	3.0055	1.727760373	1.0000000
## 675	7	3.0055	1.727760373	1.0000000
## 676	2	-1.9945	-1.146570642	0.1666667
## 677	1	-2.9945	-1.721436844	0.0000000
## 678	4	0.0055	0.003161764	0.5000000
## 679	5	1.0055	0.578027967	0.6666667
## 680	6	2.0055	1.152894170	0.8333333
## 681	5	1.0055	0.578027967	0.6666667
## 682	5	1.0055	0.578027967	0.6666667
## 683	4	0.0055	0.003161764	0.5000000
## 684	3	-0.9945	-0.571704439	0.3333333
## 685	4	0.0055	0.003161764	0.5000000
## 686	7	3.0055	1.727760373	1.0000000
## 687	4	0.0055	0.003161764	0.5000000

## 688	5	1.0055	0.578027967	0.6666667
## 689	1	-2.9945	-1.721436844	0.0000000
## 690	3	-0.9945	-0.571704439	0.3333333
## 691	3	-0.9945	-0.571704439	0.3333333
## 692	3	-0.9945	-0.571704439	0.3333333
## 693	6	2.0055	1.152894170	0.8333333
## 694	6	2.0055	1.152894170	0.8333333
## 695	7	3.0055	1.727760373	1.0000000
## 696	4	0.0055	0.003161764	0.5000000
## 697	6	2.0055	1.152894170	0.8333333
## 698	5	1.0055	0.578027967	0.6666667
## 699	5	1.0055	0.578027967	0.6666667
## 700	7	3.0055	1.727760373	1.0000000
## 701	4	0.0055	0.003161764	0.5000000
## 702	3	-0.9945	-0.571704439	0.3333333
## 703	1	-2.9945	-1.721436844	0.0000000
## 704	4	0.0055	0.003161764	0.5000000
## 705	4	0.0055	0.003161764	0.5000000
## 706	3	-0.9945	-0.571704439	0.3333333
## 707	6	2.0055	1.152894170	0.8333333
## 708	1	-2.9945	-1.721436844	0.0000000
## 709	4	0.0055	0.003161764	0.5000000
## 710	4	0.0055	0.003161764	0.5000000
## 711	5	1.0055	0.578027967	0.6666667
## 712	2	-1.9945	-1.146570642	0.1666667
## 713	3	-0.9945	-0.571704439	0.3333333
## 714	4	0.0055	0.003161764	0.5000000
## 715	1	-2.9945	-1.721436844	0.0000000
## 716	6	2.0055	1.152894170	0.8333333
## 717	5	1.0055	0.578027967	0.6666667
## 718	3	-0.9945	-0.571704439	0.3333333
## 719	5	1.0055	0.578027967	0.6666667
## 720	4	0.0055	0.003161764	0.5000000
## 721	5	1.0055	0.578027967	0.6666667
## 722	2	-1.9945	-1.146570642	0.1666667
## 723	4	0.0055	0.003161764	0.5000000
## 724	3	-0.9945	-0.571704439	0.3333333
## 725	2	-1.9945	-1.146570642	0.1666667
## 726	4	0.0055	0.003161764	0.5000000
## 727	6	2.0055	1.152894170	0.8333333
## 728	3	-0.9945	-0.571704439	0.3333333
## 729	2	-1.9945	-1.146570642	0.1666667
## 730	3	-0.9945	-0.571704439	0.3333333
## 731	3	-0.9945	-0.571704439	0.3333333
## 732	2	-1.9945	-1.146570642	0.1666667
## 733	1	-2.9945	-1.721436844	0.0000000
## 734	6	2.0055	1.152894170	0.8333333
## 735	6	2.0055	1.152894170	0.8333333
## 736	6	2.0055	1.152894170	0.8333333
## 737	3	-0.9945	-0.571704439	0.3333333
## 738	1	-2.9945	-1.721436844	0.0000000
## 739	2	-1.9945	-1.146570642	0.1666667
## 740	5	1.0055	0.578027967	0.6666667
## 741	5	1.0055	0.578027967	0.6666667

## 742	4	0.0055	0.003161764	0.5000000
## 743	6	2.0055	1.152894170	0.8333333
## 744	4	0.0055	0.003161764	0.5000000
## 745	5	1.0055	0.578027967	0.6666667
## 746	5	1.0055	0.578027967	0.6666667
## 747	5	1.0055	0.578027967	0.6666667
## 748	2	-1.9945	-1.146570642	0.1666667
## 749	3	-0.9945	-0.571704439	0.3333333
## 750	4	0.0055	0.003161764	0.5000000
## 751	4	0.0055	0.003161764	0.5000000
## 752	3	-0.9945	-0.571704439	0.3333333
## 753	1	-2.9945	-1.721436844	0.0000000
## 754	5	1.0055	0.578027967	0.6666667
## 755	6	2.0055	1.152894170	0.8333333
## 756	5	1.0055	0.578027967	0.6666667
## 757	1	-2.9945	-1.721436844	0.0000000
## 758	6	2.0055	1.152894170	0.8333333
## 759	4	0.0055	0.003161764	0.5000000
## 760	7	3.0055	1.727760373	1.0000000
## 761	4	0.0055	0.003161764	0.5000000
## 762	4	0.0055	0.003161764	0.5000000
## 763	3	-0.9945	-0.571704439	0.3333333
## 764	7	3.0055	1.727760373	1.0000000
## 765	3	-0.9945	-0.571704439	0.3333333
## 766	7	3.0055	1.727760373	1.0000000
## 767	6	2.0055	1.152894170	0.8333333
## 768	5	1.0055	0.578027967	0.6666667
## 769	7	3.0055	1.727760373	1.0000000
## 770	6	2.0055	1.152894170	0.8333333
## 771	3	-0.9945	-0.571704439	0.3333333
## 772	7	3.0055	1.727760373	1.0000000
## 773	5	1.0055	0.578027967	0.6666667
## 774	4	0.0055	0.003161764	0.5000000
## 775	5	1.0055	0.578027967	0.6666667
## 776	1	-2.9945	-1.721436844	0.0000000
## 777	7	3.0055	1.727760373	1.0000000
## 778	4	0.0055	0.003161764	0.5000000
## 779	4	0.0055	0.003161764	0.5000000
## 780	5	1.0055	0.578027967	0.6666667
## 781	4	0.0055	0.003161764	0.5000000
## 782	4	0.0055	0.003161764	0.5000000
## 783	3	-0.9945	-0.571704439	0.3333333
## 784	5	1.0055	0.578027967	0.6666667
## 785	2	-1.9945	-1.146570642	0.1666667
## 786	6	2.0055	1.152894170	0.8333333
## 787	5	1.0055	0.578027967	0.6666667
## 788	4	0.0055	0.003161764	0.5000000
## 789	3	-0.9945	-0.571704439	0.3333333
## 790	7	3.0055	1.727760373	1.0000000
## 791	6	2.0055	1.152894170	0.8333333
## 792	2	-1.9945	-1.146570642	0.1666667
## 793	6	2.0055	1.152894170	0.8333333
## 794	1	-2.9945	-1.721436844	0.0000000
## 795	3	-0.9945	-0.571704439	0.3333333

## 796	4	0.0055	0.003161764	0.5000000
## 797	5	1.0055	0.578027967	0.6666667
## 798	6	2.0055	1.152894170	0.8333333
## 799	1	-2.9945	-1.721436844	0.0000000
## 800	4	0.0055	0.003161764	0.5000000
## 801	2	-1.9945	-1.146570642	0.1666667
## 802	3	-0.9945	-0.571704439	0.3333333
## 803	6	2.0055	1.152894170	0.8333333
## 804	7	3.0055	1.727760373	1.0000000
## 805	4	0.0055	0.003161764	0.5000000
## 806	7	3.0055	1.727760373	1.0000000
## 807	5	1.0055	0.578027967	0.6666667
## 808	7	3.0055	1.727760373	1.0000000
## 809	6	2.0055	1.152894170	0.8333333
## 810	1	-2.9945	-1.721436844	0.0000000
## 811	3	-0.9945	-0.571704439	0.3333333
## 812	3	-0.9945	-0.571704439	0.3333333
## 813	4	0.0055	0.003161764	0.5000000
## 814	4	0.0055	0.003161764	0.5000000
## 815	6	2.0055	1.152894170	0.8333333
## 816	4	0.0055	0.003161764	0.5000000
## 817	2	-1.9945	-1.146570642	0.1666667
## 818	4	0.0055	0.003161764	0.5000000
## 819	5	1.0055	0.578027967	0.6666667
## 820	4	0.0055	0.003161764	0.5000000
## 821	7	3.0055	1.727760373	1.0000000
## 822	4	0.0055	0.003161764	0.5000000
## 823	4	0.0055	0.003161764	0.5000000
## 824	3	-0.9945	-0.571704439	0.3333333
## 825	3	-0.9945	-0.571704439	0.3333333
## 826	3	-0.9945	-0.571704439	0.3333333
## 827	5	1.0055	0.578027967	0.6666667
## 828	4	0.0055	0.003161764	0.5000000
## 829	5	1.0055	0.578027967	0.6666667
## 830	1	-2.9945	-1.721436844	0.0000000
## 831	5	1.0055	0.578027967	0.6666667
## 832	5	1.0055	0.578027967	0.6666667
## 833	3	-0.9945	-0.571704439	0.3333333
## 834	5	1.0055	0.578027967	0.6666667
## 835	7	3.0055	1.727760373	1.0000000
## 836	5	1.0055	0.578027967	0.6666667
## 837	6	2.0055	1.152894170	0.8333333
## 838	6	2.0055	1.152894170	0.8333333
## 839	3	-0.9945	-0.571704439	0.3333333
## 840	3	-0.9945	-0.571704439	0.3333333
## 841	7	3.0055	1.727760373	1.0000000
## 842	5	1.0055	0.578027967	0.6666667
## 843	4	0.0055	0.003161764	0.5000000
## 844	6	2.0055	1.152894170	0.8333333
## 845	4	0.0055	0.003161764	0.5000000
## 846	1	-2.9945	-1.721436844	0.0000000
## 847	3	-0.9945	-0.571704439	0.3333333
## 848	3	-0.9945	-0.571704439	0.3333333
## 849	6	2.0055	1.152894170	0.8333333

## 850	2	-1.9945	-1.146570642	0.1666667
## 851	4	0.0055	0.003161764	0.5000000
## 852	3	-0.9945	-0.571704439	0.3333333
## 853	7	3.0055	1.727760373	1.0000000
## 854	4	0.0055	0.003161764	0.5000000
## 855	5	1.0055	0.578027967	0.6666667
## 856	6	2.0055	1.152894170	0.8333333
## 857	4	0.0055	0.003161764	0.5000000
## 858	2	-1.9945	-1.146570642	0.1666667
## 859	5	1.0055	0.578027967	0.6666667
## 860	2	-1.9945	-1.146570642	0.1666667
## 861	3	-0.9945	-0.571704439	0.3333333
## 862	5	1.0055	0.578027967	0.6666667
## 863	3	-0.9945	-0.571704439	0.3333333
## 864	6	2.0055	1.152894170	0.8333333
## 865	1	-2.9945	-1.721436844	0.0000000
## 866	7	3.0055	1.727760373	1.0000000
## 867	2	-1.9945	-1.146570642	0.1666667
## 868	4	0.0055	0.003161764	0.5000000
## 869	7	3.0055	1.727760373	1.0000000
## 870	6	2.0055	1.152894170	0.8333333
## 871	5	1.0055	0.578027967	0.6666667
## 872	3	-0.9945	-0.571704439	0.3333333
## 873	4	0.0055	0.003161764	0.5000000
## 874	4	0.0055	0.003161764	0.5000000
## 875	5	1.0055	0.578027967	0.6666667
## 876	4	0.0055	0.003161764	0.5000000
## 877	1	-2.9945	-1.721436844	0.0000000
## 878	7	3.0055	1.727760373	1.0000000
## 879	3	-0.9945	-0.571704439	0.3333333
## 880	5	1.0055	0.578027967	0.6666667
## 881	5	1.0055	0.578027967	0.6666667
## 882	5	1.0055	0.578027967	0.6666667
## 883	3	-0.9945	-0.571704439	0.3333333
## 884	3	-0.9945	-0.571704439	0.3333333
## 885	6	2.0055	1.152894170	0.8333333
## 886	5	1.0055	0.578027967	0.6666667
## 887	4	0.0055	0.003161764	0.5000000
## 888	2	-1.9945	-1.146570642	0.1666667
## 889	1	-2.9945	-1.721436844	0.0000000
## 890	4	0.0055	0.003161764	0.5000000
## 891	2	-1.9945	-1.146570642	0.1666667
## 892	5	1.0055	0.578027967	0.6666667
## 893	5	1.0055	0.578027967	0.6666667
## 894	6	2.0055	1.152894170	0.8333333
## 895	3	-0.9945	-0.571704439	0.3333333
## 896	4	0.0055	0.003161764	0.5000000
## 897	4	0.0055	0.003161764	0.5000000
## 898	3	-0.9945	-0.571704439	0.3333333
## 899	5	1.0055	0.578027967	0.6666667
## 900	4	0.0055	0.003161764	0.5000000
## 901	3	-0.9945	-0.571704439	0.3333333
## 902	6	2.0055	1.152894170	0.8333333
## 903	1	-2.9945	-1.721436844	0.0000000

## 904	3	-0.9945	-0.571704439	0.3333333
## 905	7	3.0055	1.727760373	1.0000000
## 906	3	-0.9945	-0.571704439	0.3333333
## 907	4	0.0055	0.003161764	0.5000000
## 908	7	3.0055	1.727760373	1.0000000
## 909	7	3.0055	1.727760373	1.0000000
## 910	5	1.0055	0.578027967	0.6666667
## 911	5	1.0055	0.578027967	0.6666667
## 912	2	-1.9945	-1.146570642	0.1666667
## 913	6	2.0055	1.152894170	0.8333333
## 914	4	0.0055	0.003161764	0.5000000
## 915	6	2.0055	1.152894170	0.8333333
## 916	3	-0.9945	-0.571704439	0.3333333
## 917	5	1.0055	0.578027967	0.6666667
## 918	5	1.0055	0.578027967	0.6666667
## 919	4	0.0055	0.003161764	0.5000000
## 920	2	-1.9945	-1.146570642	0.1666667
## 921	1	-2.9945	-1.721436844	0.0000000
## 922	1	-2.9945	-1.721436844	0.0000000
## 923	7	3.0055	1.727760373	1.0000000
## 924	3	-0.9945	-0.571704439	0.3333333
## 925	6	2.0055	1.152894170	0.8333333
## 926	4	0.0055	0.003161764	0.5000000
## 927	3	-0.9945	-0.571704439	0.3333333
## 928	6	2.0055	1.152894170	0.8333333
## 929	3	-0.9945	-0.571704439	0.3333333
## 930	5	1.0055	0.578027967	0.6666667
## 931	5	1.0055	0.578027967	0.6666667
## 932	7	3.0055	1.727760373	1.0000000
## 933	2	-1.9945	-1.146570642	0.1666667
## 934	4	0.0055	0.003161764	0.5000000
## 935	7	3.0055	1.727760373	1.0000000
## 936	4	0.0055	0.003161764	0.5000000
## 937	3	-0.9945	-0.571704439	0.3333333
## 938	6	2.0055	1.152894170	0.8333333
## 939	3	-0.9945	-0.571704439	0.3333333
## 940	1	-2.9945	-1.721436844	0.0000000
## 941	4	0.0055	0.003161764	0.5000000
## 942	3	-0.9945	-0.571704439	0.3333333
## 943	6	2.0055	1.152894170	0.8333333
## 944	5	1.0055	0.578027967	0.6666667
## 945	5	1.0055	0.578027967	0.6666667
## 946	6	2.0055	1.152894170	0.8333333
## 947	4	0.0055	0.003161764	0.5000000
## 948	3	-0.9945	-0.571704439	0.3333333
## 949	3	-0.9945	-0.571704439	0.3333333
## 950	4	0.0055	0.003161764	0.5000000
## 951	4	0.0055	0.003161764	0.5000000
## 952	3	-0.9945	-0.571704439	0.3333333
## 953	4	0.0055	0.003161764	0.5000000
## 954	4	0.0055	0.003161764	0.5000000
## 955	6	2.0055	1.152894170	0.8333333
## 956	5	1.0055	0.578027967	0.6666667
## 957	3	-0.9945	-0.571704439	0.3333333

## 958	5	1.0055	0.578027967	0.6666667
## 959	6	2.0055	1.152894170	0.8333333
## 960	5	1.0055	0.578027967	0.6666667
## 961	1	-2.9945	-1.721436844	0.0000000
## 962	6	2.0055	1.152894170	0.8333333
## 963	3	-0.9945	-0.571704439	0.3333333
## 964	4	0.0055	0.003161764	0.5000000
## 965	4	0.0055	0.003161764	0.5000000
## 966	3	-0.9945	-0.571704439	0.3333333
## 967	4	0.0055	0.003161764	0.5000000
## 968	5	1.0055	0.578027967	0.6666667
## 969	4	0.0055	0.003161764	0.5000000
## 970	4	0.0055	0.003161764	0.5000000
## 971	5	1.0055	0.578027967	0.6666667
## 972	2	-1.9945	-1.146570642	0.1666667
## 973	1	-2.9945	-1.721436844	0.0000000
## 974	7	3.0055	1.727760373	1.0000000
## 975	6	2.0055	1.152894170	0.8333333
## 976	4	0.0055	0.003161764	0.5000000
## 977	5	1.0055	0.578027967	0.6666667
## 978	4	0.0055	0.003161764	0.5000000
## 979	3	-0.9945	-0.571704439	0.3333333
## 980	7	3.0055	1.727760373	1.0000000
## 981	6	2.0055	1.152894170	0.8333333
## 982	4	0.0055	0.003161764	0.5000000
## 983	7	3.0055	1.727760373	1.0000000
## 984	1	-2.9945	-1.721436844	0.0000000
## 985	5	1.0055	0.578027967	0.6666667
## 986	2	-1.9945	-1.146570642	0.1666667
## 987	5	1.0055	0.578027967	0.6666667
## 988	3	-0.9945	-0.571704439	0.3333333
## 989	5	1.0055	0.578027967	0.6666667
## 990	5	1.0055	0.578027967	0.6666667
## 991	4	0.0055	0.003161764	0.5000000
## 992	3	-0.9945	-0.571704439	0.3333333
## 993	3	-0.9945	-0.571704439	0.3333333
## 994	3	-0.9945	-0.571704439	0.3333333
## 995	3	-0.9945	-0.571704439	0.3333333
## 996	1	-2.9945	-1.721436844	0.0000000
## 997	6	2.0055	1.152894170	0.8333333
## 998	7	3.0055	1.727760373	1.0000000
## 999	6	2.0055	1.152894170	0.8333333
## 1000	5	1.0055	0.578027967	0.6666667
## 1001	7	3.0055	1.727760373	1.0000000
## 1002	6	2.0055	1.152894170	0.8333333
## 1003	4	0.0055	0.003161764	0.5000000
## 1004	3	-0.9945	-0.571704439	0.3333333
## 1005	6	2.0055	1.152894170	0.8333333
## 1006	5	1.0055	0.578027967	0.6666667
## 1007	6	2.0055	1.152894170	0.8333333
## 1008	4	0.0055	0.003161764	0.5000000
## 1009	5	1.0055	0.578027967	0.6666667
## 1010	2	-1.9945	-1.146570642	0.1666667
## 1011	7	3.0055	1.727760373	1.0000000

## 1012	3	-0.9945	-0.571704439	0.3333333
## 1013	1	-2.9945	-1.721436844	0.0000000
## 1014	3	-0.9945	-0.571704439	0.3333333
## 1015	4	0.0055	0.003161764	0.5000000
## 1016	5	1.0055	0.578027967	0.6666667
## 1017	4	0.0055	0.003161764	0.5000000
## 1018	1	-2.9945	-1.721436844	0.0000000
## 1019	6	2.0055	1.152894170	0.8333333
## 1020	3	-0.9945	-0.571704439	0.3333333
## 1021	4	0.0055	0.003161764	0.5000000
## 1022	5	1.0055	0.578027967	0.6666667
## 1023	4	0.0055	0.003161764	0.5000000
## 1024	5	1.0055	0.578027967	0.6666667
## 1025	2	-1.9945	-1.146570642	0.1666667
## 1026	6	2.0055	1.152894170	0.8333333
## 1027	3	-0.9945	-0.571704439	0.3333333
## 1028	6	2.0055	1.152894170	0.8333333
## 1029	4	0.0055	0.003161764	0.5000000
## 1030	5	1.0055	0.578027967	0.6666667
## 1031	5	1.0055	0.578027967	0.6666667
## 1032	6	2.0055	1.152894170	0.8333333
## 1033	7	3.0055	1.727760373	1.0000000
## 1034	4	0.0055	0.003161764	0.5000000
## 1035	5	1.0055	0.578027967	0.6666667
## 1036	3	-0.9945	-0.571704439	0.3333333
## 1037	4	0.0055	0.003161764	0.5000000
## 1038	3	-0.9945	-0.571704439	0.3333333
## 1039	7	3.0055	1.727760373	1.0000000
## 1040	4	0.0055	0.003161764	0.5000000
## 1041	3	-0.9945	-0.571704439	0.3333333
## 1042	7	3.0055	1.727760373	1.0000000
## 1043	1	-2.9945	-1.721436844	0.0000000
## 1044	4	0.0055	0.003161764	0.5000000
## 1045	7	3.0055	1.727760373	1.0000000
## 1046	5	1.0055	0.578027967	0.6666667
## 1047	1	-2.9945	-1.721436844	0.0000000
## 1048	3	-0.9945	-0.571704439	0.3333333
## 1049	1	-2.9945	-1.721436844	0.0000000
## 1050	5	1.0055	0.578027967	0.6666667
## 1051	5	1.0055	0.578027967	0.6666667
## 1052	5	1.0055	0.578027967	0.6666667
## 1053	5	1.0055	0.578027967	0.6666667
## 1054	3	-0.9945	-0.571704439	0.3333333
## 1055	3	-0.9945	-0.571704439	0.3333333
## 1056	3	-0.9945	-0.571704439	0.3333333
## 1057	7	3.0055	1.727760373	1.0000000
## 1058	4	0.0055	0.003161764	0.5000000
## 1059	1	-2.9945	-1.721436844	0.0000000
## 1060	3	-0.9945	-0.571704439	0.3333333
## 1061	5	1.0055	0.578027967	0.6666667
## 1062	6	2.0055	1.152894170	0.8333333
## 1063	3	-0.9945	-0.571704439	0.3333333
## 1064	4	0.0055	0.003161764	0.5000000
## 1065	4	0.0055	0.003161764	0.5000000

## 1066	1	-2.9945	-1.721436844	0.0000000
## 1067	6	2.0055	1.152894170	0.8333333
## 1068	3	-0.9945	-0.571704439	0.3333333
## 1069	5	1.0055	0.578027967	0.6666667
## 1070	1	-2.9945	-1.721436844	0.0000000
## 1071	7	3.0055	1.727760373	1.0000000
## 1072	6	2.0055	1.152894170	0.8333333
## 1073	7	3.0055	1.727760373	1.0000000
## 1074	4	0.0055	0.003161764	0.5000000
## 1075	3	-0.9945	-0.571704439	0.3333333
## 1076	2	-1.9945	-1.146570642	0.1666667
## 1077	5	1.0055	0.578027967	0.6666667
## 1078	1	-2.9945	-1.721436844	0.0000000
## 1079	4	0.0055	0.003161764	0.5000000
## 1080	3	-0.9945	-0.571704439	0.3333333
## 1081	5	1.0055	0.578027967	0.6666667
## 1082	6	2.0055	1.152894170	0.8333333
## 1083	5	1.0055	0.578027967	0.6666667
## 1084	5	1.0055	0.578027967	0.6666667
## 1085	4	0.0055	0.003161764	0.5000000
## 1086	1	-2.9945	-1.721436844	0.0000000
## 1087	7	3.0055	1.727760373	1.0000000
## 1088	3	-0.9945	-0.571704439	0.3333333
## 1089	1	-2.9945	-1.721436844	0.0000000
## 1090	6	2.0055	1.152894170	0.8333333
## 1091	5	1.0055	0.578027967	0.6666667
## 1092	1	-2.9945	-1.721436844	0.0000000
## 1093	5	1.0055	0.578027967	0.6666667
## 1094	5	1.0055	0.578027967	0.6666667
## 1095	1	-2.9945	-1.721436844	0.0000000
## 1096	7	3.0055	1.727760373	1.0000000
## 1097	2	-1.9945	-1.146570642	0.1666667
## 1098	5	1.0055	0.578027967	0.6666667
## 1099	3	-0.9945	-0.571704439	0.3333333
## 1100	5	1.0055	0.578027967	0.6666667
## 1101	2	-1.9945	-1.146570642	0.1666667
## 1102	5	1.0055	0.578027967	0.6666667
## 1103	4	0.0055	0.003161764	0.5000000
## 1104	5	1.0055	0.578027967	0.6666667
## 1105	4	0.0055	0.003161764	0.5000000
## 1106	3	-0.9945	-0.571704439	0.3333333
## 1107	6	2.0055	1.152894170	0.8333333
## 1108	4	0.0055	0.003161764	0.5000000
## 1109	6	2.0055	1.152894170	0.8333333
## 1110	7	3.0055	1.727760373	1.0000000
## 1111	5	1.0055	0.578027967	0.6666667
## 1112	5	1.0055	0.578027967	0.6666667
## 1113	7	3.0055	1.727760373	1.0000000
## 1114	5	1.0055	0.578027967	0.6666667
## 1115	2	-1.9945	-1.146570642	0.1666667
## 1116	6	2.0055	1.152894170	0.8333333
## 1117	4	0.0055	0.003161764	0.5000000
## 1118	6	2.0055	1.152894170	0.8333333
## 1119	5	1.0055	0.578027967	0.6666667

## 1120	3	-0.9945	-0.571704439	0.3333333
## 1121	3	-0.9945	-0.571704439	0.3333333
## 1122	1	-2.9945	-1.721436844	0.0000000
## 1123	7	3.0055	1.727760373	1.0000000
## 1124	2	-1.9945	-1.146570642	0.1666667
## 1125	1	-2.9945	-1.721436844	0.0000000
## 1126	7	3.0055	1.727760373	1.0000000
## 1127	5	1.0055	0.578027967	0.6666667
## 1128	5	1.0055	0.578027967	0.6666667
## 1129	7	3.0055	1.727760373	1.0000000
## 1130	3	-0.9945	-0.571704439	0.3333333
## 1131	3	-0.9945	-0.571704439	0.3333333
## 1132	4	0.0055	0.003161764	0.5000000
## 1133	7	3.0055	1.727760373	1.0000000
## 1134	6	2.0055	1.152894170	0.8333333
## 1135	3	-0.9945	-0.571704439	0.3333333
## 1136	4	0.0055	0.003161764	0.5000000
## 1137	5	1.0055	0.578027967	0.6666667
## 1138	4	0.0055	0.003161764	0.5000000
## 1139	4	0.0055	0.003161764	0.5000000
## 1140	4	0.0055	0.003161764	0.5000000
## 1141	4	0.0055	0.003161764	0.5000000
## 1142	4	0.0055	0.003161764	0.5000000
## 1143	5	1.0055	0.578027967	0.6666667
## 1144	5	1.0055	0.578027967	0.6666667
## 1145	5	1.0055	0.578027967	0.6666667
## 1146	5	1.0055	0.578027967	0.6666667
## 1147	3	-0.9945	-0.571704439	0.3333333
## 1148	6	2.0055	1.152894170	0.8333333
## 1149	5	1.0055	0.578027967	0.6666667
## 1150	4	0.0055	0.003161764	0.5000000
## 1151	4	0.0055	0.003161764	0.5000000
## 1152	5	1.0055	0.578027967	0.6666667
## 1153	3	-0.9945	-0.571704439	0.3333333
## 1154	1	-2.9945	-1.721436844	0.0000000
## 1155	1	-2.9945	-1.721436844	0.0000000
## 1156	3	-0.9945	-0.571704439	0.3333333
## 1157	5	1.0055	0.578027967	0.6666667
## 1158	5	1.0055	0.578027967	0.6666667
## 1159	3	-0.9945	-0.571704439	0.3333333
## 1160	5	1.0055	0.578027967	0.6666667
## 1161	7	3.0055	1.727760373	1.0000000
## 1162	7	3.0055	1.727760373	1.0000000
## 1163	1	-2.9945	-1.721436844	0.0000000
## 1164	3	-0.9945	-0.571704439	0.3333333
## 1165	7	3.0055	1.727760373	1.0000000
## 1166	2	-1.9945	-1.146570642	0.1666667
## 1167	4	0.0055	0.003161764	0.5000000
## 1168	2	-1.9945	-1.146570642	0.1666667
## 1169	7	3.0055	1.727760373	1.0000000
## 1170	5	1.0055	0.578027967	0.6666667
## 1171	6	2.0055	1.152894170	0.8333333
## 1172	2	-1.9945	-1.146570642	0.1666667
## 1173	5	1.0055	0.578027967	0.6666667

## 1174	5	1.0055	0.578027967	0.6666667
## 1175	4	0.0055	0.003161764	0.5000000
## 1176	4	0.0055	0.003161764	0.5000000
## 1177	6	2.0055	1.152894170	0.8333333
## 1178	2	-1.9945	-1.146570642	0.1666667
## 1179	1	-2.9945	-1.721436844	0.0000000
## 1180	7	3.0055	1.727760373	1.0000000
## 1181	1	-2.9945	-1.721436844	0.0000000
## 1182	4	0.0055	0.003161764	0.5000000
## 1183	2	-1.9945	-1.146570642	0.1666667
## 1184	3	-0.9945	-0.571704439	0.3333333
## 1185	3	-0.9945	-0.571704439	0.3333333
## 1186	3	-0.9945	-0.571704439	0.3333333
## 1187	7	3.0055	1.727760373	1.0000000
## 1188	4	0.0055	0.003161764	0.5000000
## 1189	6	2.0055	1.152894170	0.8333333
## 1190	5	1.0055	0.578027967	0.6666667
## 1191	4	0.0055	0.003161764	0.5000000
## 1192	4	0.0055	0.003161764	0.5000000
## 1193	4	0.0055	0.003161764	0.5000000
## 1194	2	-1.9945	-1.146570642	0.1666667
## 1195	4	0.0055	0.003161764	0.5000000
## 1196	4	0.0055	0.003161764	0.5000000
## 1197	1	-2.9945	-1.721436844	0.0000000
## 1198	2	-1.9945	-1.146570642	0.1666667
## 1199	5	1.0055	0.578027967	0.6666667
## 1200	1	-2.9945	-1.721436844	0.0000000
## 1201	2	-1.9945	-1.146570642	0.1666667
## 1202	3	-0.9945	-0.571704439	0.3333333
## 1203	2	-1.9945	-1.146570642	0.1666667
## 1204	3	-0.9945	-0.571704439	0.3333333
## 1205	4	0.0055	0.003161764	0.5000000
## 1206	7	3.0055	1.727760373	1.0000000
## 1207	5	1.0055	0.578027967	0.6666667
## 1208	4	0.0055	0.003161764	0.5000000
## 1209	5	1.0055	0.578027967	0.6666667
## 1210	6	2.0055	1.152894170	0.8333333
## 1211	5	1.0055	0.578027967	0.6666667
## 1212	3	-0.9945	-0.571704439	0.3333333
## 1213	6	2.0055	1.152894170	0.8333333
## 1214	4	0.0055	0.003161764	0.5000000
## 1215	2	-1.9945	-1.146570642	0.1666667
## 1216	5	1.0055	0.578027967	0.6666667
## 1217	5	1.0055	0.578027967	0.6666667
## 1218	5	1.0055	0.578027967	0.6666667
## 1219	3	-0.9945	-0.571704439	0.3333333
## 1220	5	1.0055	0.578027967	0.6666667
## 1221	3	-0.9945	-0.571704439	0.3333333
## 1222	7	3.0055	1.727760373	1.0000000
## 1223	5	1.0055	0.578027967	0.6666667
## 1224	3	-0.9945	-0.571704439	0.3333333
## 1225	3	-0.9945	-0.571704439	0.3333333
## 1226	1	-2.9945	-1.721436844	0.0000000
## 1227	4	0.0055	0.003161764	0.5000000

## 1228	3	-0.9945	-0.571704439	0.3333333
## 1229	1	-2.9945	-1.721436844	0.0000000
## 1230	3	-0.9945	-0.571704439	0.3333333
## 1231	6	2.0055	1.152894170	0.8333333
## 1232	5	1.0055	0.578027967	0.6666667
## 1233	6	2.0055	1.152894170	0.8333333
## 1234	1	-2.9945	-1.721436844	0.0000000
## 1235	3	-0.9945	-0.571704439	0.3333333
## 1236	5	1.0055	0.578027967	0.6666667
## 1237	4	0.0055	0.003161764	0.5000000
## 1238	5	1.0055	0.578027967	0.6666667
## 1239	6	2.0055	1.152894170	0.8333333
## 1240	3	-0.9945	-0.571704439	0.3333333
## 1241	4	0.0055	0.003161764	0.5000000
## 1242	7	3.0055	1.727760373	1.0000000
## 1243	5	1.0055	0.578027967	0.6666667
## 1244	3	-0.9945	-0.571704439	0.3333333
## 1245	4	0.0055	0.003161764	0.5000000
## 1246	6	2.0055	1.152894170	0.8333333
## 1247	1	-2.9945	-1.721436844	0.0000000
## 1248	4	0.0055	0.003161764	0.5000000
## 1249	4	0.0055	0.003161764	0.5000000
## 1250	5	1.0055	0.578027967	0.6666667
## 1251	5	1.0055	0.578027967	0.6666667
## 1252	5	1.0055	0.578027967	0.6666667
## 1253	1	-2.9945	-1.721436844	0.0000000
## 1254	3	-0.9945	-0.571704439	0.3333333
## 1255	3	-0.9945	-0.571704439	0.3333333
## 1256	2	-1.9945	-1.146570642	0.1666667
## 1257	5	1.0055	0.578027967	0.6666667
## 1258	1	-2.9945	-1.721436844	0.0000000
## 1259	1	-2.9945	-1.721436844	0.0000000
## 1260	4	0.0055	0.003161764	0.5000000
## 1261	4	0.0055	0.003161764	0.5000000
## 1262	7	3.0055	1.727760373	1.0000000
## 1263	5	1.0055	0.578027967	0.6666667
## 1264	5	1.0055	0.578027967	0.6666667
## 1265	7	3.0055	1.727760373	1.0000000
## 1266	2	-1.9945	-1.146570642	0.1666667
## 1267	2	-1.9945	-1.146570642	0.1666667
## 1268	4	0.0055	0.003161764	0.5000000
## 1269	5	1.0055	0.578027967	0.6666667
## 1270	3	-0.9945	-0.571704439	0.3333333
## 1271	2	-1.9945	-1.146570642	0.1666667
## 1272	5	1.0055	0.578027967	0.6666667
## 1273	4	0.0055	0.003161764	0.5000000
## 1274	5	1.0055	0.578027967	0.6666667
## 1275	6	2.0055	1.152894170	0.8333333
## 1276	5	1.0055	0.578027967	0.6666667
## 1277	1	-2.9945	-1.721436844	0.0000000
## 1278	7	3.0055	1.727760373	1.0000000
## 1279	3	-0.9945	-0.571704439	0.3333333
## 1280	3	-0.9945	-0.571704439	0.3333333
## 1281	2	-1.9945	-1.146570642	0.1666667

## 1282	6	2.0055	1.152894170	0.8333333
## 1283	3	-0.9945	-0.571704439	0.3333333
## 1284	5	1.0055	0.578027967	0.6666667
## 1285	3	-0.9945	-0.571704439	0.3333333
## 1286	4	0.0055	0.003161764	0.5000000
## 1287	1	-2.9945	-1.721436844	0.0000000
## 1288	7	3.0055	1.727760373	1.0000000
## 1289	5	1.0055	0.578027967	0.6666667
## 1290	4	0.0055	0.003161764	0.5000000
## 1291	5	1.0055	0.578027967	0.6666667
## 1292	3	-0.9945	-0.571704439	0.3333333
## 1293	2	-1.9945	-1.146570642	0.1666667
## 1294	3	-0.9945	-0.571704439	0.3333333
## 1295	5	1.0055	0.578027967	0.6666667
## 1296	4	0.0055	0.003161764	0.5000000
## 1297	6	2.0055	1.152894170	0.8333333
## 1298	3	-0.9945	-0.571704439	0.3333333
## 1299	1	-2.9945	-1.721436844	0.0000000
## 1300	4	0.0055	0.003161764	0.5000000
## 1301	3	-0.9945	-0.571704439	0.3333333
## 1302	4	0.0055	0.003161764	0.5000000
## 1303	1	-2.9945	-1.721436844	0.0000000
## 1304	7	3.0055	1.727760373	1.0000000
## 1305	3	-0.9945	-0.571704439	0.3333333
## 1306	2	-1.9945	-1.146570642	0.1666667
## 1307	5	1.0055	0.578027967	0.6666667
## 1308	5	1.0055	0.578027967	0.6666667
## 1309	4	0.0055	0.003161764	0.5000000
## 1310	3	-0.9945	-0.571704439	0.3333333
## 1311	3	-0.9945	-0.571704439	0.3333333
## 1312	5	1.0055	0.578027967	0.6666667
## 1313	7	3.0055	1.727760373	1.0000000
## 1314	5	1.0055	0.578027967	0.6666667
## 1315	6	2.0055	1.152894170	0.8333333
## 1316	3	-0.9945	-0.571704439	0.3333333
## 1317	5	1.0055	0.578027967	0.6666667
## 1318	6	2.0055	1.152894170	0.8333333
## 1319	5	1.0055	0.578027967	0.6666667
## 1320	6	2.0055	1.152894170	0.8333333
## 1321	6	2.0055	1.152894170	0.8333333
## 1322	1	-2.9945	-1.721436844	0.0000000
## 1323	5	1.0055	0.578027967	0.6666667
## 1324	3	-0.9945	-0.571704439	0.3333333
## 1325	2	-1.9945	-1.146570642	0.1666667
## 1326	5	1.0055	0.578027967	0.6666667
## 1327	4	0.0055	0.003161764	0.5000000
## 1328	3	-0.9945	-0.571704439	0.3333333
## 1329	4	0.0055	0.003161764	0.5000000
## 1330	7	3.0055	1.727760373	1.0000000
## 1331	3	-0.9945	-0.571704439	0.3333333
## 1332	6	2.0055	1.152894170	0.8333333
## 1333	6	2.0055	1.152894170	0.8333333
## 1334	5	1.0055	0.578027967	0.6666667
## 1335	1	-2.9945	-1.721436844	0.0000000

## 1336	6	2.0055	1.152894170	0.8333333
## 1337	5	1.0055	0.578027967	0.6666667
## 1338	2	-1.9945	-1.146570642	0.1666667
## 1339	2	-1.9945	-1.146570642	0.1666667
## 1340	5	1.0055	0.578027967	0.6666667
## 1341	3	-0.9945	-0.571704439	0.3333333
## 1342	2	-1.9945	-1.146570642	0.1666667
## 1343	6	2.0055	1.152894170	0.8333333
## 1344	5	1.0055	0.578027967	0.6666667
## 1345	7	3.0055	1.727760373	1.0000000
## 1346	5	1.0055	0.578027967	0.6666667
## 1347	3	-0.9945	-0.571704439	0.3333333
## 1348	6	2.0055	1.152894170	0.8333333
## 1349	3	-0.9945	-0.571704439	0.3333333
## 1350	1	-2.9945	-1.721436844	0.0000000
## 1351	6	2.0055	1.152894170	0.8333333
## 1352	7	3.0055	1.727760373	1.0000000
## 1353	4	0.0055	0.003161764	0.5000000
## 1354	4	0.0055	0.003161764	0.5000000
## 1355	1	-2.9945	-1.721436844	0.0000000
## 1356	7	3.0055	1.727760373	1.0000000
## 1357	5	1.0055	0.578027967	0.6666667
## 1358	5	1.0055	0.578027967	0.6666667
## 1359	3	-0.9945	-0.571704439	0.3333333
## 1360	4	0.0055	0.003161764	0.5000000
## 1361	5	1.0055	0.578027967	0.6666667
## 1362	6	2.0055	1.152894170	0.8333333
## 1363	1	-2.9945	-1.721436844	0.0000000
## 1364	6	2.0055	1.152894170	0.8333333
## 1365	6	2.0055	1.152894170	0.8333333
## 1366	4	0.0055	0.003161764	0.5000000
## 1367	5	1.0055	0.578027967	0.6666667
## 1368	5	1.0055	0.578027967	0.6666667
## 1369	4	0.0055	0.003161764	0.5000000
## 1370	4	0.0055	0.003161764	0.5000000
## 1371	3	-0.9945	-0.571704439	0.3333333
## 1372	5	1.0055	0.578027967	0.6666667
## 1373	3	-0.9945	-0.571704439	0.3333333
## 1374	3	-0.9945	-0.571704439	0.3333333
## 1375	1	-2.9945	-1.721436844	0.0000000
## 1376	3	-0.9945	-0.571704439	0.3333333
## 1377	6	2.0055	1.152894170	0.8333333
## 1378	4	0.0055	0.003161764	0.5000000
## 1379	6	2.0055	1.152894170	0.8333333
## 1380	3	-0.9945	-0.571704439	0.3333333
## 1381	5	1.0055	0.578027967	0.6666667
## 1382	5	1.0055	0.578027967	0.6666667
## 1383	5	1.0055	0.578027967	0.6666667
## 1384	4	0.0055	0.003161764	0.5000000
## 1385	3	-0.9945	-0.571704439	0.3333333
## 1386	1	-2.9945	-1.721436844	0.0000000
## 1387	5	1.0055	0.578027967	0.6666667
## 1388	3	-0.9945	-0.571704439	0.3333333
## 1389	5	1.0055	0.578027967	0.6666667

## 1390	6	2.0055	1.152894170	0.8333333
## 1391	1	-2.9945	-1.721436844	0.0000000
## 1392	5	1.0055	0.578027967	0.6666667
## 1393	4	0.0055	0.003161764	0.5000000
## 1394	5	1.0055	0.578027967	0.6666667
## 1395	3	-0.9945	-0.571704439	0.3333333
## 1396	7	3.0055	1.727760373	1.0000000
## 1397	5	1.0055	0.578027967	0.6666667
## 1398	4	0.0055	0.003161764	0.5000000
## 1399	4	0.0055	0.003161764	0.5000000
## 1400	3	-0.9945	-0.571704439	0.3333333
## 1401	5	1.0055	0.578027967	0.6666667
## 1402	3	-0.9945	-0.571704439	0.3333333
## 1403	5	1.0055	0.578027967	0.6666667
## 1404	1	-2.9945	-1.721436844	0.0000000
## 1405	3	-0.9945	-0.571704439	0.3333333
## 1406	7	3.0055	1.727760373	1.0000000
## 1407	4	0.0055	0.003161764	0.5000000
## 1408	3	-0.9945	-0.571704439	0.3333333
## 1409	4	0.0055	0.003161764	0.5000000
## 1410	6	2.0055	1.152894170	0.8333333
## 1411	1	-2.9945	-1.721436844	0.0000000
## 1412	7	3.0055	1.727760373	1.0000000
## 1413	4	0.0055	0.003161764	0.5000000
## 1414	3	-0.9945	-0.571704439	0.3333333
## 1415	3	-0.9945	-0.571704439	0.3333333
## 1416	2	-1.9945	-1.146570642	0.1666667
## 1417	4	0.0055	0.003161764	0.5000000
## 1418	3	-0.9945	-0.571704439	0.3333333
## 1419	5	1.0055	0.578027967	0.6666667
## 1420	7	3.0055	1.727760373	1.0000000
## 1421	4	0.0055	0.003161764	0.5000000
## 1422	2	-1.9945	-1.146570642	0.1666667
## 1423	4	0.0055	0.003161764	0.5000000
## 1424	5	1.0055	0.578027967	0.6666667
## 1425	3	-0.9945	-0.571704439	0.3333333
## 1426	7	3.0055	1.727760373	1.0000000
## 1427	6	2.0055	1.152894170	0.8333333
## 1428	7	3.0055	1.727760373	1.0000000
## 1429	3	-0.9945	-0.571704439	0.3333333
## 1430	5	1.0055	0.578027967	0.6666667
## 1431	3	-0.9945	-0.571704439	0.3333333
## 1432	7	3.0055	1.727760373	1.0000000
## 1433	3	-0.9945	-0.571704439	0.3333333
## 1434	2	-1.9945	-1.146570642	0.1666667
## 1435	4	0.0055	0.003161764	0.5000000
## 1436	4	0.0055	0.003161764	0.5000000
## 1437	4	0.0055	0.003161764	0.5000000
## 1438	3	-0.9945	-0.571704439	0.3333333
## 1439	5	1.0055	0.578027967	0.6666667
## 1440	5	1.0055	0.578027967	0.6666667
## 1441	4	0.0055	0.003161764	0.5000000
## 1442	2	-1.9945	-1.146570642	0.1666667
## 1443	1	-2.9945	-1.721436844	0.0000000

## 1444	3	-0.9945	-0.571704439	0.3333333
## 1445	4	0.0055	0.003161764	0.5000000
## 1446	3	-0.9945	-0.571704439	0.3333333
## 1447	5	1.0055	0.578027967	0.6666667
## 1448	1	-2.9945	-1.721436844	0.0000000
## 1449	4	0.0055	0.003161764	0.5000000
## 1450	3	-0.9945	-0.571704439	0.3333333
## 1451	5	1.0055	0.578027967	0.6666667
## 1452	3	-0.9945	-0.571704439	0.3333333
## 1453	3	-0.9945	-0.571704439	0.3333333
## 1454	5	1.0055	0.578027967	0.6666667
## 1455	6	2.0055	1.152894170	0.8333333
## 1456	2	-1.9945	-1.146570642	0.1666667
## 1457	1	-2.9945	-1.721436844	0.0000000
## 1458	7	3.0055	1.727760373	1.0000000
## 1459	3	-0.9945	-0.571704439	0.3333333
## 1460	1	-2.9945	-1.721436844	0.0000000
## 1461	4	0.0055	0.003161764	0.5000000
## 1462	3	-0.9945	-0.571704439	0.3333333
## 1463	7	3.0055	1.727760373	1.0000000
## 1464	5	1.0055	0.578027967	0.6666667
## 1465	3	-0.9945	-0.571704439	0.3333333
## 1466	5	1.0055	0.578027967	0.6666667
## 1467	1	-2.9945	-1.721436844	0.0000000
## 1468	2	-1.9945	-1.146570642	0.1666667
## 1469	1	-2.9945	-1.721436844	0.0000000
## 1470	3	-0.9945	-0.571704439	0.3333333
## 1471	4	0.0055	0.003161764	0.5000000
## 1472	1	-2.9945	-1.721436844	0.0000000
## 1473	4	0.0055	0.003161764	0.5000000
## 1474	6	2.0055	1.152894170	0.8333333
## 1475	1	-2.9945	-1.721436844	0.0000000
## 1476	5	1.0055	0.578027967	0.6666667
## 1477	3	-0.9945	-0.571704439	0.3333333
## 1478	4	0.0055	0.003161764	0.5000000
## 1479	4	0.0055	0.003161764	0.5000000
## 1480	3	-0.9945	-0.571704439	0.3333333
## 1481	1	-2.9945	-1.721436844	0.0000000
## 1482	5	1.0055	0.578027967	0.6666667
## 1483	6	2.0055	1.152894170	0.8333333
## 1484	1	-2.9945	-1.721436844	0.0000000
## 1485	6	2.0055	1.152894170	0.8333333
## 1486	2	-1.9945	-1.146570642	0.1666667
## 1487	3	-0.9945	-0.571704439	0.3333333
## 1488	3	-0.9945	-0.571704439	0.3333333
## 1489	4	0.0055	0.003161764	0.5000000
## 1490	2	-1.9945	-1.146570642	0.1666667
## 1491	4	0.0055	0.003161764	0.5000000
## 1492	7	3.0055	1.727760373	1.0000000
## 1493	5	1.0055	0.578027967	0.6666667
## 1494	5	1.0055	0.578027967	0.6666667
## 1495	4	0.0055	0.003161764	0.5000000
## 1496	5	1.0055	0.578027967	0.6666667
## 1497	4	0.0055	0.003161764	0.5000000

## 1498	5	1.0055	0.578027967	0.6666667
## 1499	3	-0.9945	-0.571704439	0.3333333
## 1500	2	-1.9945	-1.146570642	0.1666667
## 1501	5	1.0055	0.578027967	0.6666667
## 1502	4	0.0055	0.003161764	0.5000000
## 1503	7	3.0055	1.727760373	1.0000000
## 1504	5	1.0055	0.578027967	0.6666667
## 1505	3	-0.9945	-0.571704439	0.3333333
## 1506	4	0.0055	0.003161764	0.5000000
## 1507	1	-2.9945	-1.721436844	0.0000000
## 1508	2	-1.9945	-1.146570642	0.1666667
## 1509	4	0.0055	0.003161764	0.5000000
## 1510	4	0.0055	0.003161764	0.5000000
## 1511	1	-2.9945	-1.721436844	0.0000000
## 1512	4	0.0055	0.003161764	0.5000000
## 1513	6	2.0055	1.152894170	0.8333333
## 1514	7	3.0055	1.727760373	1.0000000
## 1515	1	-2.9945	-1.721436844	0.0000000
## 1516	4	0.0055	0.003161764	0.5000000
## 1517	2	-1.9945	-1.146570642	0.1666667
## 1518	6	2.0055	1.152894170	0.8333333
## 1519	7	3.0055	1.727760373	1.0000000
## 1520	3	-0.9945	-0.571704439	0.3333333
## 1521	3	-0.9945	-0.571704439	0.3333333
## 1522	4	0.0055	0.003161764	0.5000000
## 1523	4	0.0055	0.003161764	0.5000000
## 1524	4	0.0055	0.003161764	0.5000000
## 1525	6	2.0055	1.152894170	0.8333333
## 1526	5	1.0055	0.578027967	0.6666667
## 1527	4	0.0055	0.003161764	0.5000000
## 1528	6	2.0055	1.152894170	0.8333333
## 1529	3	-0.9945	-0.571704439	0.3333333
## 1530	5	1.0055	0.578027967	0.6666667
## 1531	4	0.0055	0.003161764	0.5000000
## 1532	5	1.0055	0.578027967	0.6666667
## 1533	5	1.0055	0.578027967	0.6666667
## 1534	2	-1.9945	-1.146570642	0.1666667
## 1535	3	-0.9945	-0.571704439	0.3333333
## 1536	4	0.0055	0.003161764	0.5000000
## 1537	3	-0.9945	-0.571704439	0.3333333
## 1538	3	-0.9945	-0.571704439	0.3333333
## 1539	7	3.0055	1.727760373	1.0000000
## 1540	5	1.0055	0.578027967	0.6666667
## 1541	2	-1.9945	-1.146570642	0.1666667
## 1542	1	-2.9945	-1.721436844	0.0000000
## 1543	3	-0.9945	-0.571704439	0.3333333
## 1544	3	-0.9945	-0.571704439	0.3333333
## 1545	3	-0.9945	-0.571704439	0.3333333
## 1546	1	-2.9945	-1.721436844	0.0000000
## 1547	5	1.0055	0.578027967	0.6666667
## 1548	3	-0.9945	-0.571704439	0.3333333
## 1549	2	-1.9945	-1.146570642	0.1666667
## 1550	5	1.0055	0.578027967	0.6666667
## 1551	3	-0.9945	-0.571704439	0.3333333

## 1552	6	2.0055	1.152894170	0.8333333
## 1553	3	-0.9945	-0.571704439	0.3333333
## 1554	5	1.0055	0.578027967	0.6666667
## 1555	7	3.0055	1.727760373	1.0000000
## 1556	3	-0.9945	-0.571704439	0.3333333
## 1557	2	-1.9945	-1.146570642	0.1666667
## 1558	6	2.0055	1.152894170	0.8333333
## 1559	7	3.0055	1.727760373	1.0000000
## 1560	2	-1.9945	-1.146570642	0.1666667
## 1561	5	1.0055	0.578027967	0.6666667
## 1562	5	1.0055	0.578027967	0.6666667
## 1563	5	1.0055	0.578027967	0.6666667
## 1564	2	-1.9945	-1.146570642	0.1666667
## 1565	7	3.0055	1.727760373	1.0000000
## 1566	1	-2.9945	-1.721436844	0.0000000
## 1567	5	1.0055	0.578027967	0.6666667
## 1568	4	0.0055	0.003161764	0.5000000
## 1569	5	1.0055	0.578027967	0.6666667
## 1570	3	-0.9945	-0.571704439	0.3333333
## 1571	6	2.0055	1.152894170	0.8333333
## 1572	2	-1.9945	-1.146570642	0.1666667
## 1573	4	0.0055	0.003161764	0.5000000
## 1574	2	-1.9945	-1.146570642	0.1666667
## 1575	2	-1.9945	-1.146570642	0.1666667
## 1576	7	3.0055	1.727760373	1.0000000
## 1577	5	1.0055	0.578027967	0.6666667
## 1578	5	1.0055	0.578027967	0.6666667
## 1579	2	-1.9945	-1.146570642	0.1666667
## 1580	6	2.0055	1.152894170	0.8333333
## 1581	7	3.0055	1.727760373	1.0000000
## 1582	4	0.0055	0.003161764	0.5000000
## 1583	4	0.0055	0.003161764	0.5000000
## 1584	3	-0.9945	-0.571704439	0.3333333
## 1585	3	-0.9945	-0.571704439	0.3333333
## 1586	5	1.0055	0.578027967	0.6666667
## 1587	7	3.0055	1.727760373	1.0000000
## 1588	5	1.0055	0.578027967	0.6666667
## 1589	3	-0.9945	-0.571704439	0.3333333
## 1590	1	-2.9945	-1.721436844	0.0000000
## 1591	3	-0.9945	-0.571704439	0.3333333
## 1592	5	1.0055	0.578027967	0.6666667
## 1593	6	2.0055	1.152894170	0.8333333
## 1594	5	1.0055	0.578027967	0.6666667
## 1595	1	-2.9945	-1.721436844	0.0000000
## 1596	5	1.0055	0.578027967	0.6666667
## 1597	3	-0.9945	-0.571704439	0.3333333
## 1598	4	0.0055	0.003161764	0.5000000
## 1599	4	0.0055	0.003161764	0.5000000
## 1600	5	1.0055	0.578027967	0.6666667
## 1601	5	1.0055	0.578027967	0.6666667
## 1602	6	2.0055	1.152894170	0.8333333
## 1603	7	3.0055	1.727760373	1.0000000
## 1604	5	1.0055	0.578027967	0.6666667
## 1605	6	2.0055	1.152894170	0.8333333

## 1606	3	-0.9945	-0.571704439	0.3333333
## 1607	1	-2.9945	-1.721436844	0.0000000
## 1608	7	3.0055	1.727760373	1.0000000
## 1609	3	-0.9945	-0.571704439	0.3333333
## 1610	3	-0.9945	-0.571704439	0.3333333
## 1611	5	1.0055	0.578027967	0.6666667
## 1612	5	1.0055	0.578027967	0.6666667
## 1613	7	3.0055	1.727760373	1.0000000
## 1614	3	-0.9945	-0.571704439	0.3333333
## 1615	5	1.0055	0.578027967	0.6666667
## 1616	2	-1.9945	-1.146570642	0.1666667
## 1617	4	0.0055	0.003161764	0.5000000
## 1618	3	-0.9945	-0.571704439	0.3333333
## 1619	4	0.0055	0.003161764	0.5000000
## 1620	1	-2.9945	-1.721436844	0.0000000
## 1621	7	3.0055	1.727760373	1.0000000
## 1622	6	2.0055	1.152894170	0.8333333
## 1623	2	-1.9945	-1.146570642	0.1666667
## 1624	5	1.0055	0.578027967	0.6666667
## 1625	1	-2.9945	-1.721436844	0.0000000
## 1626	1	-2.9945	-1.721436844	0.0000000
## 1627	3	-0.9945	-0.571704439	0.3333333
## 1628	3	-0.9945	-0.571704439	0.3333333
## 1629	6	2.0055	1.152894170	0.8333333
## 1630	3	-0.9945	-0.571704439	0.3333333
## 1631	5	1.0055	0.578027967	0.6666667
## 1632	1	-2.9945	-1.721436844	0.0000000
## 1633	1	-2.9945	-1.721436844	0.0000000
## 1634	1	-2.9945	-1.721436844	0.0000000
## 1635	3	-0.9945	-0.571704439	0.3333333
## 1636	5	1.0055	0.578027967	0.6666667
## 1637	3	-0.9945	-0.571704439	0.3333333
## 1638	3	-0.9945	-0.571704439	0.3333333
## 1639	1	-2.9945	-1.721436844	0.0000000
## 1640	4	0.0055	0.003161764	0.5000000
## 1641	4	0.0055	0.003161764	0.5000000
## 1642	6	2.0055	1.152894170	0.8333333
## 1643	5	1.0055	0.578027967	0.6666667
## 1644	4	0.0055	0.003161764	0.5000000
## 1645	4	0.0055	0.003161764	0.5000000
## 1646	4	0.0055	0.003161764	0.5000000
## 1647	6	2.0055	1.152894170	0.8333333
## 1648	4	0.0055	0.003161764	0.5000000
## 1649	4	0.0055	0.003161764	0.5000000
## 1650	4	0.0055	0.003161764	0.5000000
## 1651	4	0.0055	0.003161764	0.5000000
## 1652	3	-0.9945	-0.571704439	0.3333333
## 1653	4	0.0055	0.003161764	0.5000000
## 1654	4	0.0055	0.003161764	0.5000000
## 1655	3	-0.9945	-0.571704439	0.3333333
## 1656	6	2.0055	1.152894170	0.8333333
## 1657	5	1.0055	0.578027967	0.6666667
## 1658	2	-1.9945	-1.146570642	0.1666667
## 1659	4	0.0055	0.003161764	0.5000000

## 1660	4	0.0055	0.003161764	0.5000000
## 1661	2	-1.9945	-1.146570642	0.1666667
## 1662	3	-0.9945	-0.571704439	0.3333333
## 1663	6	2.0055	1.152894170	0.8333333
## 1664	3	-0.9945	-0.571704439	0.3333333
## 1665	6	2.0055	1.152894170	0.8333333
## 1666	2	-1.9945	-1.146570642	0.1666667
## 1667	5	1.0055	0.578027967	0.6666667
## 1668	5	1.0055	0.578027967	0.6666667
## 1669	1	-2.9945	-1.721436844	0.0000000
## 1670	6	2.0055	1.152894170	0.8333333
## 1671	2	-1.9945	-1.146570642	0.1666667
## 1672	3	-0.9945	-0.571704439	0.3333333
## 1673	1	-2.9945	-1.721436844	0.0000000
## 1674	4	0.0055	0.003161764	0.5000000
## 1675	5	1.0055	0.578027967	0.6666667
## 1676	5	1.0055	0.578027967	0.6666667
## 1677	5	1.0055	0.578027967	0.6666667
## 1678	1	-2.9945	-1.721436844	0.0000000
## 1679	3	-0.9945	-0.571704439	0.3333333
## 1680	7	3.0055	1.727760373	1.0000000
## 1681	6	2.0055	1.152894170	0.8333333
## 1682	5	1.0055	0.578027967	0.6666667
## 1683	1	-2.9945	-1.721436844	0.0000000
## 1684	2	-1.9945	-1.146570642	0.1666667
## 1685	4	0.0055	0.003161764	0.5000000
## 1686	5	1.0055	0.578027967	0.6666667
## 1687	4	0.0055	0.003161764	0.5000000
## 1688	3	-0.9945	-0.571704439	0.3333333
## 1689	7	3.0055	1.727760373	1.0000000
## 1690	2	-1.9945	-1.146570642	0.1666667
## 1691	5	1.0055	0.578027967	0.6666667
## 1692	3	-0.9945	-0.571704439	0.3333333
## 1693	7	3.0055	1.727760373	1.0000000
## 1694	4	0.0055	0.003161764	0.5000000
## 1695	3	-0.9945	-0.571704439	0.3333333
## 1696	1	-2.9945	-1.721436844	0.0000000
## 1697	7	3.0055	1.727760373	1.0000000
## 1698	3	-0.9945	-0.571704439	0.3333333
## 1699	7	3.0055	1.727760373	1.0000000
## 1700	7	3.0055	1.727760373	1.0000000
## 1701	6	2.0055	1.152894170	0.8333333
## 1702	4	0.0055	0.003161764	0.5000000
## 1703	1	-2.9945	-1.721436844	0.0000000
## 1704	1	-2.9945	-1.721436844	0.0000000
## 1705	5	1.0055	0.578027967	0.6666667
## 1706	3	-0.9945	-0.571704439	0.3333333
## 1707	4	0.0055	0.003161764	0.5000000
## 1708	3	-0.9945	-0.571704439	0.3333333
## 1709	4	0.0055	0.003161764	0.5000000
## 1710	5	1.0055	0.578027967	0.6666667
## 1711	1	-2.9945	-1.721436844	0.0000000
## 1712	2	-1.9945	-1.146570642	0.1666667
## 1713	4	0.0055	0.003161764	0.5000000

## 1714	3	-0.9945	-0.571704439	0.3333333
## 1715	5	1.0055	0.578027967	0.6666667
## 1716	4	0.0055	0.003161764	0.5000000
## 1717	2	-1.9945	-1.146570642	0.1666667
## 1718	4	0.0055	0.003161764	0.5000000
## 1719	1	-2.9945	-1.721436844	0.0000000
## 1720	3	-0.9945	-0.571704439	0.3333333
## 1721	4	0.0055	0.003161764	0.5000000
## 1722	2	-1.9945	-1.146570642	0.1666667
## 1723	7	3.0055	1.727760373	1.0000000
## 1724	4	0.0055	0.003161764	0.5000000
## 1725	1	-2.9945	-1.721436844	0.0000000
## 1726	3	-0.9945	-0.571704439	0.3333333
## 1727	7	3.0055	1.727760373	1.0000000
## 1728	5	1.0055	0.578027967	0.6666667
## 1729	3	-0.9945	-0.571704439	0.3333333
## 1730	3	-0.9945	-0.571704439	0.3333333
## 1731	7	3.0055	1.727760373	1.0000000
## 1732	2	-1.9945	-1.146570642	0.1666667
## 1733	3	-0.9945	-0.571704439	0.3333333
## 1734	1	-2.9945	-1.721436844	0.0000000
## 1735	3	-0.9945	-0.571704439	0.3333333
## 1736	2	-1.9945	-1.146570642	0.1666667
## 1737	4	0.0055	0.003161764	0.5000000
## 1738	2	-1.9945	-1.146570642	0.1666667
## 1739	5	1.0055	0.578027967	0.6666667
## 1740	3	-0.9945	-0.571704439	0.3333333
## 1741	6	2.0055	1.152894170	0.8333333
## 1742	2	-1.9945	-1.146570642	0.1666667
## 1743	5	1.0055	0.578027967	0.6666667
## 1744	6	2.0055	1.152894170	0.8333333
## 1745	4	0.0055	0.003161764	0.5000000
## 1746	3	-0.9945	-0.571704439	0.3333333
## 1747	3	-0.9945	-0.571704439	0.3333333
## 1748	7	3.0055	1.727760373	1.0000000
## 1749	1	-2.9945	-1.721436844	0.0000000
## 1750	3	-0.9945	-0.571704439	0.3333333
## 1751	5	1.0055	0.578027967	0.6666667
## 1752	5	1.0055	0.578027967	0.6666667
## 1753	3	-0.9945	-0.571704439	0.3333333
## 1754	2	-1.9945	-1.146570642	0.1666667
## 1755	7	3.0055	1.727760373	1.0000000
## 1756	5	1.0055	0.578027967	0.6666667
## 1757	4	0.0055	0.003161764	0.5000000
## 1758	1	-2.9945	-1.721436844	0.0000000
## 1759	2	-1.9945	-1.146570642	0.1666667
## 1760	3	-0.9945	-0.571704439	0.3333333
## 1761	3	-0.9945	-0.571704439	0.3333333
## 1762	5	1.0055	0.578027967	0.6666667
## 1763	4	0.0055	0.003161764	0.5000000
## 1764	3	-0.9945	-0.571704439	0.3333333
## 1765	4	0.0055	0.003161764	0.5000000
## 1766	1	-2.9945	-1.721436844	0.0000000
## 1767	7	3.0055	1.727760373	1.0000000

## 1768	7	3.0055	1.727760373	1.0000000
## 1769	3	-0.9945	-0.571704439	0.3333333
## 1770	3	-0.9945	-0.571704439	0.3333333
## 1771	1	-2.9945	-1.721436844	0.0000000
## 1772	4	0.0055	0.003161764	0.5000000
## 1773	5	1.0055	0.578027967	0.6666667
## 1774	4	0.0055	0.003161764	0.5000000
## 1775	4	0.0055	0.003161764	0.5000000
## 1776	3	-0.9945	-0.571704439	0.3333333
## 1777	4	0.0055	0.003161764	0.5000000
## 1778	4	0.0055	0.003161764	0.5000000
## 1779	1	-2.9945	-1.721436844	0.0000000
## 1780	3	-0.9945	-0.571704439	0.3333333
## 1781	7	3.0055	1.727760373	1.0000000
## 1782	4	0.0055	0.003161764	0.5000000
## 1783	4	0.0055	0.003161764	0.5000000
## 1784	7	3.0055	1.727760373	1.0000000
## 1785	3	-0.9945	-0.571704439	0.3333333
## 1786	6	2.0055	1.152894170	0.8333333
## 1787	7	3.0055	1.727760373	1.0000000
## 1788	3	-0.9945	-0.571704439	0.3333333
## 1789	4	0.0055	0.003161764	0.5000000
## 1790	3	-0.9945	-0.571704439	0.3333333
## 1791	5	1.0055	0.578027967	0.6666667
## 1792	4	0.0055	0.003161764	0.5000000
## 1793	4	0.0055	0.003161764	0.5000000
## 1794	3	-0.9945	-0.571704439	0.3333333
## 1795	5	1.0055	0.578027967	0.6666667
## 1796	5	1.0055	0.578027967	0.6666667
## 1797	5	1.0055	0.578027967	0.6666667
## 1798	3	-0.9945	-0.571704439	0.3333333
## 1799	6	2.0055	1.152894170	0.8333333
## 1800	5	1.0055	0.578027967	0.6666667
## 1801	3	-0.9945	-0.571704439	0.3333333
## 1802	5	1.0055	0.578027967	0.6666667
## 1803	2	-1.9945	-1.146570642	0.1666667
## 1804	4	0.0055	0.003161764	0.5000000
## 1805	2	-1.9945	-1.146570642	0.1666667
## 1806	3	-0.9945	-0.571704439	0.3333333
## 1807	3	-0.9945	-0.571704439	0.3333333
## 1808	4	0.0055	0.003161764	0.5000000
## 1809	3	-0.9945	-0.571704439	0.3333333
## 1810	7	3.0055	1.727760373	1.0000000
## 1811	1	-2.9945	-1.721436844	0.0000000
## 1812	3	-0.9945	-0.571704439	0.3333333
## 1813	5	1.0055	0.578027967	0.6666667
## 1814	1	-2.9945	-1.721436844	0.0000000
## 1815	2	-1.9945	-1.146570642	0.1666667
## 1816	3	-0.9945	-0.571704439	0.3333333
## 1817	6	2.0055	1.152894170	0.8333333
## 1818	4	0.0055	0.003161764	0.5000000
## 1819	6	2.0055	1.152894170	0.8333333
## 1820	5	1.0055	0.578027967	0.6666667
## 1821	1	-2.9945	-1.721436844	0.0000000

## 1822	3	-0.9945	-0.571704439	0.3333333
## 1823	6	2.0055	1.152894170	0.8333333
## 1824	3	-0.9945	-0.571704439	0.3333333
## 1825	2	-1.9945	-1.146570642	0.1666667
## 1826	4	0.0055	0.003161764	0.5000000
## 1827	5	1.0055	0.578027967	0.6666667
## 1828	3	-0.9945	-0.571704439	0.3333333
## 1829	4	0.0055	0.003161764	0.5000000
## 1830	3	-0.9945	-0.571704439	0.3333333
## 1831	4	0.0055	0.003161764	0.5000000
## 1832	3	-0.9945	-0.571704439	0.3333333
## 1833	5	1.0055	0.578027967	0.6666667
## 1834	3	-0.9945	-0.571704439	0.3333333
## 1835	6	2.0055	1.152894170	0.8333333
## 1836	6	2.0055	1.152894170	0.8333333
## 1837	3	-0.9945	-0.571704439	0.3333333
## 1838	4	0.0055	0.003161764	0.5000000
## 1839	6	2.0055	1.152894170	0.8333333
## 1840	3	-0.9945	-0.571704439	0.3333333
## 1841	3	-0.9945	-0.571704439	0.3333333
## 1842	1	-2.9945	-1.721436844	0.0000000
## 1843	4	0.0055	0.003161764	0.5000000
## 1844	4	0.0055	0.003161764	0.5000000
## 1845	1	-2.9945	-1.721436844	0.0000000
## 1846	2	-1.9945	-1.146570642	0.1666667
## 1847	3	-0.9945	-0.571704439	0.3333333
## 1848	2	-1.9945	-1.146570642	0.1666667
## 1849	3	-0.9945	-0.571704439	0.3333333
## 1850	7	3.0055	1.727760373	1.0000000
## 1851	2	-1.9945	-1.146570642	0.1666667
## 1852	7	3.0055	1.727760373	1.0000000
## 1853	3	-0.9945	-0.571704439	0.3333333
## 1854	5	1.0055	0.578027967	0.6666667
## 1855	1	-2.9945	-1.721436844	0.0000000
## 1856	2	-1.9945	-1.146570642	0.1666667
## 1857	5	1.0055	0.578027967	0.6666667
## 1858	6	2.0055	1.152894170	0.8333333
## 1859	4	0.0055	0.003161764	0.5000000
## 1860	4	0.0055	0.003161764	0.5000000
## 1861	6	2.0055	1.152894170	0.8333333
## 1862	3	-0.9945	-0.571704439	0.3333333
## 1863	2	-1.9945	-1.146570642	0.1666667
## 1864	3	-0.9945	-0.571704439	0.3333333
## 1865	2	-1.9945	-1.146570642	0.1666667
## 1866	1	-2.9945	-1.721436844	0.0000000
## 1867	4	0.0055	0.003161764	0.5000000
## 1868	4	0.0055	0.003161764	0.5000000
## 1869	4	0.0055	0.003161764	0.5000000
## 1870	3	-0.9945	-0.571704439	0.3333333
## 1871	4	0.0055	0.003161764	0.5000000
## 1872	1	-2.9945	-1.721436844	0.0000000
## 1873	4	0.0055	0.003161764	0.5000000
## 1874	3	-0.9945	-0.571704439	0.3333333
## 1875	2	-1.9945	-1.146570642	0.1666667

## 1876	3	-0.9945	-0.571704439	0.3333333
## 1877	4	0.0055	0.003161764	0.5000000
## 1878	1	-2.9945	-1.721436844	0.0000000
## 1879	3	-0.9945	-0.571704439	0.3333333
## 1880	1	-2.9945	-1.721436844	0.0000000
## 1881	3	-0.9945	-0.571704439	0.3333333
## 1882	7	3.0055	1.727760373	1.0000000
## 1883	5	1.0055	0.578027967	0.6666667
## 1884	2	-1.9945	-1.146570642	0.1666667
## 1885	1	-2.9945	-1.721436844	0.0000000
## 1886	6	2.0055	1.152894170	0.8333333
## 1887	3	-0.9945	-0.571704439	0.3333333
## 1888	5	1.0055	0.578027967	0.6666667
## 1889	5	1.0055	0.578027967	0.6666667
## 1890	5	1.0055	0.578027967	0.6666667
## 1891	4	0.0055	0.003161764	0.5000000
## 1892	7	3.0055	1.727760373	1.0000000
## 1893	2	-1.9945	-1.146570642	0.1666667
## 1894	1	-2.9945	-1.721436844	0.0000000
## 1895	4	0.0055	0.003161764	0.5000000
## 1896	2	-1.9945	-1.146570642	0.1666667
## 1897	5	1.0055	0.578027967	0.6666667
## 1898	3	-0.9945	-0.571704439	0.3333333
## 1899	6	2.0055	1.152894170	0.8333333
## 1900	2	-1.9945	-1.146570642	0.1666667
## 1901	3	-0.9945	-0.571704439	0.3333333
## 1902	1	-2.9945	-1.721436844	0.0000000
## 1903	5	1.0055	0.578027967	0.6666667
## 1904	2	-1.9945	-1.146570642	0.1666667
## 1905	4	0.0055	0.003161764	0.5000000
## 1906	2	-1.9945	-1.146570642	0.1666667
## 1907	3	-0.9945	-0.571704439	0.3333333
## 1908	4	0.0055	0.003161764	0.5000000
## 1909	5	1.0055	0.578027967	0.6666667
## 1910	2	-1.9945	-1.146570642	0.1666667
## 1911	4	0.0055	0.003161764	0.5000000
## 1912	3	-0.9945	-0.571704439	0.3333333
## 1913	7	3.0055	1.727760373	1.0000000
## 1914	6	2.0055	1.152894170	0.8333333
## 1915	1	-2.9945	-1.721436844	0.0000000
## 1916	4	0.0055	0.003161764	0.5000000
## 1917	4	0.0055	0.003161764	0.5000000
## 1918	7	3.0055	1.727760373	1.0000000
## 1919	4	0.0055	0.003161764	0.5000000
## 1920	4	0.0055	0.003161764	0.5000000
## 1921	5	1.0055	0.578027967	0.6666667
## 1922	3	-0.9945	-0.571704439	0.3333333
## 1923	2	-1.9945	-1.146570642	0.1666667
## 1924	4	0.0055	0.003161764	0.5000000
## 1925	6	2.0055	1.152894170	0.8333333
## 1926	4	0.0055	0.003161764	0.5000000
## 1927	3	-0.9945	-0.571704439	0.3333333
## 1928	4	0.0055	0.003161764	0.5000000
## 1929	3	-0.9945	-0.571704439	0.3333333

## 1930	6	2.0055	1.152894170	0.8333333
## 1931	4	0.0055	0.003161764	0.5000000
## 1932	5	1.0055	0.578027967	0.6666667
## 1933	2	-1.9945	-1.146570642	0.1666667
## 1934	6	2.0055	1.152894170	0.8333333
## 1935	3	-0.9945	-0.571704439	0.3333333
## 1936	5	1.0055	0.578027967	0.6666667
## 1937	4	0.0055	0.003161764	0.5000000
## 1938	7	3.0055	1.727760373	1.0000000
## 1939	6	2.0055	1.152894170	0.8333333
## 1940	5	1.0055	0.578027967	0.6666667
## 1941	5	1.0055	0.578027967	0.6666667
## 1942	6	2.0055	1.152894170	0.8333333
## 1943	7	3.0055	1.727760373	1.0000000
## 1944	1	-2.9945	-1.721436844	0.0000000
## 1945	5	1.0055	0.578027967	0.6666667
## 1946	3	-0.9945	-0.571704439	0.3333333
## 1947	2	-1.9945	-1.146570642	0.1666667
## 1948	6	2.0055	1.152894170	0.8333333
## 1949	5	1.0055	0.578027967	0.6666667
## 1950	2	-1.9945	-1.146570642	0.1666667
## 1951	6	2.0055	1.152894170	0.8333333
## 1952	3	-0.9945	-0.571704439	0.3333333
## 1953	4	0.0055	0.003161764	0.5000000
## 1954	2	-1.9945	-1.146570642	0.1666667
## 1955	5	1.0055	0.578027967	0.6666667
## 1956	2	-1.9945	-1.146570642	0.1666667
## 1957	1	-2.9945	-1.721436844	0.0000000
## 1958	2	-1.9945	-1.146570642	0.1666667
## 1959	1	-2.9945	-1.721436844	0.0000000
## 1960	7	3.0055	1.727760373	1.0000000
## 1961	7	3.0055	1.727760373	1.0000000
## 1962	4	0.0055	0.003161764	0.5000000
## 1963	7	3.0055	1.727760373	1.0000000
## 1964	7	3.0055	1.727760373	1.0000000
## 1965	4	0.0055	0.003161764	0.5000000
## 1966	6	2.0055	1.152894170	0.8333333
## 1967	3	-0.9945	-0.571704439	0.3333333
## 1968	2	-1.9945	-1.146570642	0.1666667
## 1969	7	3.0055	1.727760373	1.0000000
## 1970	4	0.0055	0.003161764	0.5000000
## 1971	1	-2.9945	-1.721436844	0.0000000
## 1972	3	-0.9945	-0.571704439	0.3333333
## 1973	7	3.0055	1.727760373	1.0000000
## 1974	1	-2.9945	-1.721436844	0.0000000
## 1975	4	0.0055	0.003161764	0.5000000
## 1976	1	-2.9945	-1.721436844	0.0000000
## 1977	4	0.0055	0.003161764	0.5000000
## 1978	5	1.0055	0.578027967	0.6666667
## 1979	4	0.0055	0.003161764	0.5000000
## 1980	4	0.0055	0.003161764	0.5000000
## 1981	5	1.0055	0.578027967	0.6666667
## 1982	5	1.0055	0.578027967	0.6666667
## 1983	1	-2.9945	-1.721436844	0.0000000

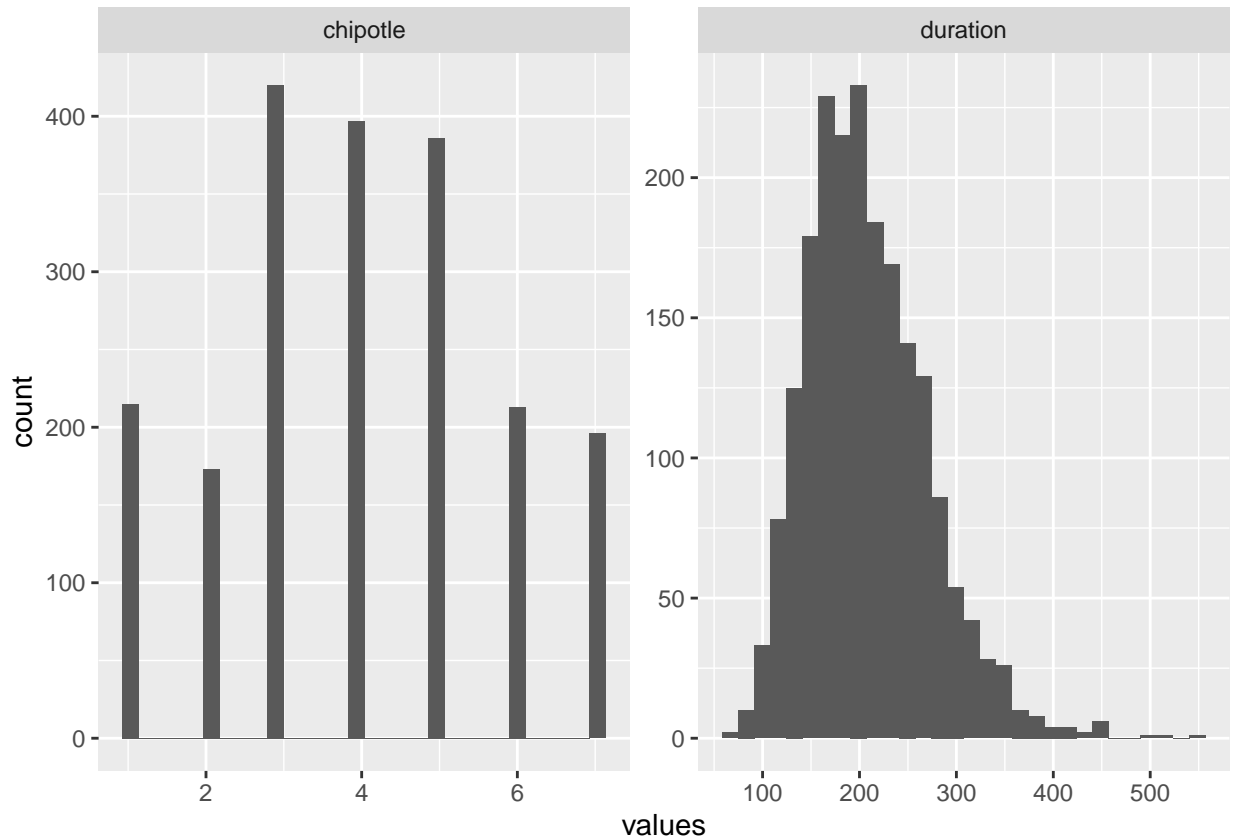
## 1984	3	-0.9945	-0.571704439	0.3333333
## 1985	3	-0.9945	-0.571704439	0.3333333
## 1986	7	3.0055	1.727760373	1.0000000
## 1987	3	-0.9945	-0.571704439	0.3333333
## 1988	2	-1.9945	-1.146570642	0.1666667
## 1989	5	1.0055	0.578027967	0.6666667
## 1990	5	1.0055	0.578027967	0.6666667
## 1991	1	-2.9945	-1.721436844	0.0000000
## 1992	4	0.0055	0.003161764	0.5000000
## 1993	3	-0.9945	-0.571704439	0.3333333
## 1994	6	2.0055	1.152894170	0.8333333
## 1995	4	0.0055	0.003161764	0.5000000
## 1996	1	-2.9945	-1.721436844	0.0000000
## 1997	2	-1.9945	-1.146570642	0.1666667
## 1998	4	0.0055	0.003161764	0.5000000
## 1999	3	-0.9945	-0.571704439	0.3333333
## 2000	5	1.0055	0.578027967	0.6666667

Skewness

A variable with an asymmetric distribution about its mean is skewed. Depending on which side of the mean data is concentrated on, the distribution is described as right skewed (right tail is longer) or left skewed (left tail is longer).

In the `fastfood` data, histograms indicate `chipotle` is close to being symmetric while `duration` is right skewed. This is also borne out by the skewness values - `chipotle` is close to 0 while `duration` is much larger than 0.

```
library(caret); library(tidyr)
df %>%
  select(chipotle, duration)%>%
  pivot_longer(1:2, names_to = 'var', values_to = 'values')%>%
  ggplot(aes(x=values))+
  geom_histogram()+
  facet_wrap(~var, scales = 'free')
```



```
library(e1071)
df %>%
  select(chipotle, duration)%>%
  summarize(skewness_chipotle = skewness(chipotle), skewness_duration = skewness(duration))

##   skewness_chipotle skewness_duration
## 1          -0.01208177           0.8395247
```

Skewness can be mitigated by applying a suitable functional transformation such as log, square root, or inverse. However, it is hard to know apriori which type of transformation to apply. Another alternative is to empirically identify an appropriate transformation. Box and Cox transformations are a family of transformation that are indexed by a parameter denoted by lambda. Values of lambda reflect many common transformations such as square (lambda = 2), square root (lambda = 0.5), and inverse (lambda = -1).

Here we illustrate the use of the Box Cox transformation. Chipotle had a lambda estimate close to 1, so no transformation was applied. On the other hand, duration had a lambda much different from 1, so a corrective Box-Cox transformation was applied.

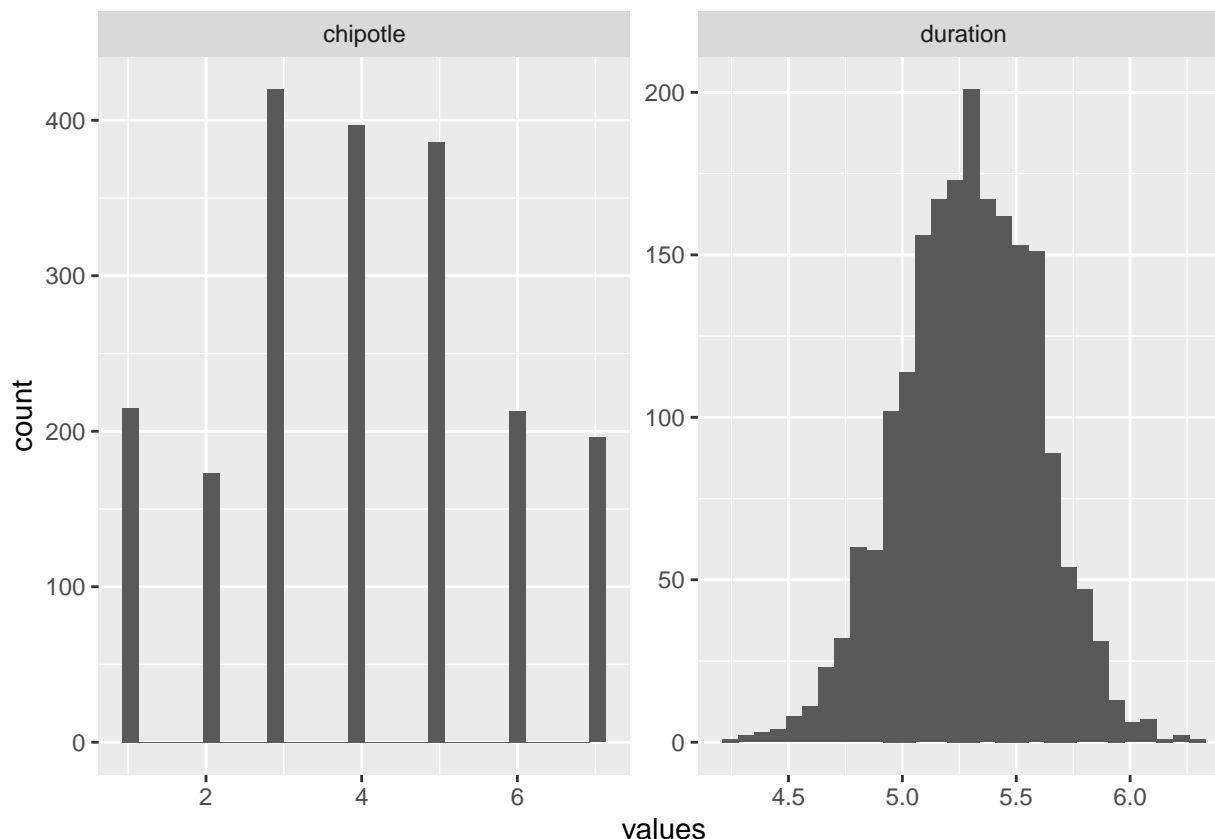
```
library(e1071)
proc = preProcess(df[,c('chipotle','duration')],method = 'BoxCox')
proc$bc # lambda value to be used in BoxCox transformation

## $chipotle
## Box-Cox Transformation
##
## 2000 data points used to estimate Lambda
##
## Input data summary:
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
```

```
##    1.000    3.000    4.000    3.994    5.000    7.000
##
## Largest/Smallest: 7
## Sample Skewness: -0.0121
##
## Estimated Lambda: 0.9
## With fudge factor, no transformation is applied
##
##
## $duration
## Box-Cox Transformation
##
## 2000 data points used to estimate Lambda
##
## Input data summary:
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      71.13 163.24  200.07  208.11  245.99  553.12
##
## Largest/Smallest: 7.78
## Sample Skewness: 0.84
##
## Estimated Lambda: 0.1
## With fudge factor, Lambda = 0 will be used for transformations
```

Here are the histograms after a Box-Cox Transformation.

```
predict(proc, newdata = df)%>%
  select(chipotle, duration)%>%
  pivot_longer(1:2, names_to = 'var', values_to = 'values')%>%
  ggplot(aes(x=values))+
  geom_histogram()+
  facet_wrap(~var, scales = 'free')
```



Low Variance As discussed above for categorical variables, numeric variables that have zero variance have no predictive power, therefore should be eliminated. But, even variables that have variance close to zero should be candidates for exclusion as they have limited predictive power. In the **fastfood** data, the three health consciousness variables and the three fast food ratings variables are not recommended for removal at this stage.

```
nearZeroVar(df[,c('health1', 'health2', 'health3', 'mcdonalds', 'chipotle', 'shake_shack')],saveMetrics=TRUE)
```

```
##          freqRatio percentUnique zeroVar  nzv
## health1      1.013158          0.35  FALSE FALSE
## health2      2.990268          0.35  FALSE FALSE
## health3      1.575431          0.35  FALSE FALSE
## mcdonalds     1.023018          0.35  FALSE FALSE
## chipotle      1.057935          0.35  FALSE FALSE
## shake_shack    1.069825          0.35  FALSE FALSE
```

Combine Variables

In certain situations it makes sense to combine variables to form an index. One such scenario is when survey respondents are asked a multiple questions to measure a single construct. In the **fastfood** data, respondents were asked three questions to gauge their health consciousness.

Variables may be combined in an unweighted manner by simply averaging their scores. When doing this, care must be taken to ensure the variables are measured on the same scale. Survey researchers average scores so long as the items are rated on the same scale, e.g., 1-7. But, to be sure, one can examine dispersion for the variables to be combined.

Here, we can see the standard deviations of the three health variables are not the same.


```

apply(X = df[,c('health1', 'health2', 'health3')],
      MARGIN = 2,
      FUN = sd)

```

```

## health1 health2 health3
## 2.036357 1.075748 1.631677

```

Using dplyr verbs

```

df %>%
  select(health1:health3)%>%
  summarise_all(.funs = sd)

## health1 health2 health3
## 1 2.036357 1.075748 1.631677

```

So, we will standardize the variables before averaging into a health consciousness index.

```

df %>%
  select(health1:health3)%>%
  mutate(health1_std = scale(health1), health2_std = scale(health2), health3_std = scale(health3))%>%
  rowwise()%>%
  mutate(health_index = mean(health1_std, health2_std, health3_std, na.rm=T))%>%
  select(health1, health2, health3, health1_std, health2_std, health3_std, health_index)

## # A tibble: 2,000 x 7
## # Rowwise:
##   health1 health2 health3 health1_std[,1] health2_std[,1] health3_std[,1]
##   <int>   <int>   <int>         <dbl>         <dbl>         <dbl>
## 1     1     1     1         -1.48         -0.640        -0.938
## 2     6     3     5          0.973          1.22          1.51
## 3     4     3     4        -0.00884          1.22          0.900
## 4     1     1     1         -1.48         -0.640        -0.938
## 5     1     1     1         -1.48         -0.640        -0.938
## 6     1     1     1         -1.48         -0.640        -0.938
## 7     1     1     1         -1.48         -0.640        -0.938
## 8     3     1     2        -0.500         -0.640        -0.325
## 9     3     2     3        -0.500          0.290          0.287
## 10    3     3     3        -0.500          1.22          0.287
## # ... with 1,990 more rows, and 1 more variable: health_index <dbl>

```

If the analyst wants to incorporate the importance of each variable and possesses information about it, variables may be combine in a weighted manner by assigning separate weights to each variable. Finally, certain analytical techniques will automatically determine the weights for combining variables (e.g., principle components analysis).

Binning

A numeric variable may be grouped into a set of two more discrete bins. This process is known as binning, or categorization or discretization. As an example, change in stock prices is frequently binned into “Up” or “Down”.

In the data, `duration` refers to the time taken to complete the survey. We can bin this variable into preset buckets (e.g., 0, 120, 240, 6000), or use quantiles (e.g., three quantiles, also known as tertiles). Here is an illustration of each of these methods. You will note that we are using `cut` for specifying breaks or buckets and `cut2` from library(Hmisc) for specifying quantiles.

```

library(Hmisc)

## Loading required package: survival

```

```

##
## Attaching package: 'survival'

## The following object is masked from 'package:caret':
##
##      cluster

## Loading required package: Formula

##
## Attaching package: 'Hmisc'

## The following object is masked from 'package:e1071':
##
##      impute

## The following objects are masked from 'package:dplyr':
##
##      src, summarize

## The following objects are masked from 'package:base':
##
##      format.pval, units

df %>%
  select(duration)%>%
  mutate(preset_bins = cut(df$duration,
                           breaks = c(0,120,240,6000)),
         preset_bins_labels = cut(df$duration,
                                   breaks = c(0,120,240,6000),
                                   labels =c('Short','Typical','Long')),
         quantile_bins = factor(cut2(duration,
                                      g=3)),
         quantile_bins_labels = factor(cut2(duration,
                                             g=3),
                                       labels = c('Short', 'Typical', 'Long'))))

##      duration preset_bins preset_bins_labels quantile_bins
## 1  119.33830   (0,120]      Short [ 71.1,176)
## 2  221.97059  (120,240]    Typical [175.9,229)
## 3  260.71333 (240,6e+03]    Long  [229.4,553]
## 4  146.26761  (120,240]    Typical [ 71.1,176)
## 5  235.98755  (120,240]    Typical [229.4,553]
## 6  199.90975  (120,240]    Typical [175.9,229)
## 7  207.27643  (120,240]    Typical [175.9,229)
## 8  195.32862  (120,240]    Typical [175.9,229)
## 9  160.70376  (120,240]    Typical [ 71.1,176)
## 10 123.82832  (120,240]    Typical [ 71.1,176)
## 11 189.83493  (120,240]    Typical [175.9,229)
## 12 140.21570  (120,240]    Typical [ 71.1,176)
## 13 151.14015  (120,240]    Typical [ 71.1,176)
## 14 154.55871  (120,240]    Typical [ 71.1,176)
## 15 101.25932   (0,120]      Short [ 71.1,176)
## 16 183.93776  (120,240]    Typical [175.9,229)
## 17 218.92525  (120,240]    Typical [175.9,229)
## 18 192.30644  (120,240]    Typical [175.9,229)
## 19 149.87166  (120,240]    Typical [ 71.1,176)
## 20 353.25094 (240,6e+03]    Long  [229.4,553]

```

## 21	173.26167	(120,240]	Typical	[71.1,176)
## 22	205.05950	(120,240]	Typical	[175.9,229)
## 23	165.68147	(120,240]	Typical	[71.1,176)
## 24	195.39372	(120,240]	Typical	[175.9,229)
## 25	141.13594	(120,240]	Typical	[71.1,176)
## 26	216.85355	(120,240]	Typical	[175.9,229)
## 27	228.55742	(120,240]	Typical	[175.9,229)
## 28	214.84249	(120,240]	Typical	[175.9,229)
## 29	106.21497	(0,120]	Short	[71.1,176)
## 30	176.03659	(120,240]	Typical	[175.9,229)
## 31	114.26140	(0,120]	Short	[71.1,176)
## 32	149.63817	(120,240]	Typical	[71.1,176)
## 33	160.37323	(120,240]	Typical	[71.1,176)
## 34	187.68682	(120,240]	Typical	[175.9,229)
## 35	242.90986	(240,6e+03]	Long	[229.4,553]
## 36	176.56905	(120,240]	Typical	[175.9,229)
## 37	139.97883	(120,240]	Typical	[71.1,176)
## 38	264.91111	(240,6e+03]	Long	[229.4,553]
## 39	305.88616	(240,6e+03]	Long	[229.4,553]
## 40	155.21178	(120,240]	Typical	[71.1,176)
## 41	180.57570	(120,240]	Typical	[175.9,229)
## 42	220.51037	(120,240]	Typical	[175.9,229)
## 43	248.21245	(240,6e+03]	Long	[229.4,553]
## 44	223.08123	(120,240]	Typical	[175.9,229)
## 45	273.70155	(240,6e+03]	Long	[229.4,553]
## 46	227.06930	(120,240]	Typical	[175.9,229)
## 47	310.63630	(240,6e+03]	Long	[229.4,553]
## 48	229.37573	(120,240]	Typical	[229.4,553]
## 49	202.77114	(120,240]	Typical	[175.9,229)
## 50	161.23193	(120,240]	Typical	[71.1,176)
## 51	204.32220	(120,240]	Typical	[175.9,229)
## 52	242.02843	(240,6e+03]	Long	[229.4,553]
## 53	242.74777	(240,6e+03]	Long	[229.4,553]
## 54	158.98299	(120,240]	Typical	[71.1,176)
## 55	234.28598	(120,240]	Typical	[229.4,553]
## 56	126.61570	(120,240]	Typical	[71.1,176)
## 57	153.86236	(120,240]	Typical	[71.1,176)
## 58	308.93325	(240,6e+03]	Long	[229.4,553]
## 59	260.26352	(240,6e+03]	Long	[229.4,553]
## 60	170.63679	(120,240]	Typical	[71.1,176)
## 61	416.02280	(240,6e+03]	Long	[229.4,553]
## 62	280.61316	(240,6e+03]	Long	[229.4,553]
## 63	203.75180	(120,240]	Typical	[175.9,229)
## 64	230.59742	(120,240]	Typical	[229.4,553]
## 65	329.69892	(240,6e+03]	Long	[229.4,553]
## 66	180.07179	(120,240]	Typical	[175.9,229)
## 67	214.77003	(120,240]	Typical	[175.9,229)
## 68	193.95932	(120,240]	Typical	[175.9,229)
## 69	249.96379	(240,6e+03]	Long	[229.4,553]
## 70	139.32788	(120,240]	Typical	[71.1,176)
## 71	129.55192	(120,240]	Typical	[71.1,176)
## 72	267.52518	(240,6e+03]	Long	[229.4,553]
## 73	272.23093	(240,6e+03]	Long	[229.4,553]
## 74	83.34949	(0,120]	Short	[71.1,176)

## 75	184.99048	(120,240]	Typical	[175.9,229)
## 76	277.93634	(240,6e+03]	Long	[229.4,553]
## 77	152.76168	(120,240]	Typical	[71.1,176)
## 78	266.96931	(240,6e+03]	Long	[229.4,553]
## 79	159.18150	(120,240]	Typical	[71.1,176)
## 80	276.53759	(240,6e+03]	Long	[229.4,553]
## 81	180.02600	(120,240]	Typical	[175.9,229)
## 82	191.06795	(120,240]	Typical	[175.9,229)
## 83	205.15654	(120,240]	Typical	[175.9,229)
## 84	354.59925	(240,6e+03]	Long	[229.4,553]
## 85	260.76236	(240,6e+03]	Long	[229.4,553]
## 86	138.57409	(120,240]	Typical	[71.1,176)
## 87	229.44598	(120,240]	Typical	[229.4,553]
## 88	343.45009	(240,6e+03]	Long	[229.4,553]
## 89	202.04896	(120,240]	Typical	[175.9,229)
## 90	219.37646	(120,240]	Typical	[175.9,229)
## 91	360.07311	(240,6e+03]	Long	[229.4,553]
## 92	184.09703	(120,240]	Typical	[175.9,229)
## 93	153.13464	(120,240]	Typical	[71.1,176)
## 94	172.80162	(120,240]	Typical	[71.1,176)
## 95	179.87798	(120,240]	Typical	[175.9,229)
## 96	193.78892	(120,240]	Typical	[175.9,229)
## 97	181.56197	(120,240]	Typical	[175.9,229)
## 98	190.27125	(120,240]	Typical	[175.9,229)
## 99	311.89608	(240,6e+03]	Long	[229.4,553]
## 100	293.31874	(240,6e+03]	Long	[229.4,553]
## 101	315.30823	(240,6e+03]	Long	[229.4,553]
## 102	307.44651	(240,6e+03]	Long	[229.4,553]
## 103	264.30045	(240,6e+03]	Long	[229.4,553]
## 104	198.35497	(120,240]	Typical	[175.9,229)
## 105	274.80208	(240,6e+03]	Long	[229.4,553]
## 106	189.03041	(120,240]	Typical	[175.9,229)
## 107	161.73852	(120,240]	Typical	[71.1,176)
## 108	96.93542	(0,120]	Short	[71.1,176)
## 109	312.16080	(240,6e+03]	Long	[229.4,553]
## 110	210.75139	(120,240]	Typical	[175.9,229)
## 111	229.00059	(120,240]	Typical	[175.9,229)
## 112	259.52219	(240,6e+03]	Long	[229.4,553]
## 113	134.74940	(120,240]	Typical	[71.1,176)
## 114	174.58554	(120,240]	Typical	[71.1,176)
## 115	222.50354	(120,240]	Typical	[175.9,229)
## 116	218.09291	(120,240]	Typical	[175.9,229)
## 117	272.82955	(240,6e+03]	Long	[229.4,553]
## 118	256.38266	(240,6e+03]	Long	[229.4,553]
## 119	183.52680	(120,240]	Typical	[175.9,229)
## 120	127.83668	(120,240]	Typical	[71.1,176)
## 121	199.33198	(120,240]	Typical	[175.9,229)
## 122	187.43313	(120,240]	Typical	[175.9,229)
## 123	264.20445	(240,6e+03]	Long	[229.4,553]
## 124	140.33136	(120,240]	Typical	[71.1,176)
## 125	132.93854	(120,240]	Typical	[71.1,176)
## 126	164.54945	(120,240]	Typical	[71.1,176)
## 127	252.29571	(240,6e+03]	Long	[229.4,553]
## 128	157.92347	(120,240]	Typical	[71.1,176)

## 129	143.97251	(120,240]	Typical	[71.1,176)
## 130	210.84329	(120,240]	Typical	[175.9,229)
## 131	220.54630	(120,240]	Typical	[175.9,229)
## 132	351.04654	(240,6e+03]	Long	[229.4,553]
## 133	322.90839	(240,6e+03]	Long	[229.4,553]
## 134	159.83222	(120,240]	Typical	[71.1,176)
## 135	151.93825	(120,240]	Typical	[71.1,176)
## 136	171.79825	(120,240]	Typical	[71.1,176)
## 137	273.93347	(240,6e+03]	Long	[229.4,553]
## 138	145.24005	(120,240]	Typical	[71.1,176)
## 139	261.32536	(240,6e+03]	Long	[229.4,553]
## 140	260.22320	(240,6e+03]	Long	[229.4,553]
## 141	134.19737	(120,240]	Typical	[71.1,176)
## 142	103.53925	(0,120]	Short	[71.1,176)
## 143	114.01915	(0,120]	Short	[71.1,176)
## 144	112.97759	(0,120]	Short	[71.1,176)
## 145	289.06373	(240,6e+03]	Long	[229.4,553]
## 146	343.51770	(240,6e+03]	Long	[229.4,553]
## 147	116.83811	(0,120]	Short	[71.1,176)
## 148	150.71572	(120,240]	Typical	[71.1,176)
## 149	266.96524	(240,6e+03]	Long	[229.4,553]
## 150	171.67114	(120,240]	Typical	[71.1,176)
## 151	145.28403	(120,240]	Typical	[71.1,176)
## 152	205.61497	(120,240]	Typical	[175.9,229)
## 153	187.24567	(120,240]	Typical	[175.9,229)
## 154	163.28602	(120,240]	Typical	[71.1,176)
## 155	274.87917	(240,6e+03]	Long	[229.4,553]
## 156	200.08229	(120,240]	Typical	[175.9,229)
## 157	177.75888	(120,240]	Typical	[175.9,229)
## 158	174.83843	(120,240]	Typical	[71.1,176)
## 159	188.33542	(120,240]	Typical	[175.9,229)
## 160	274.04402	(240,6e+03]	Long	[229.4,553]
## 161	183.92016	(120,240]	Typical	[175.9,229)
## 162	271.00653	(240,6e+03]	Long	[229.4,553]
## 163	170.76090	(120,240]	Typical	[71.1,176)
## 164	200.02264	(120,240]	Typical	[175.9,229)
## 165	155.47578	(120,240]	Typical	[71.1,176)
## 166	171.49205	(120,240]	Typical	[71.1,176)
## 167	190.28123	(120,240]	Typical	[175.9,229)
## 168	142.32517	(120,240]	Typical	[71.1,176)
## 169	205.79653	(120,240]	Typical	[175.9,229)
## 170	210.22845	(120,240]	Typical	[175.9,229)
## 171	262.70283	(240,6e+03]	Long	[229.4,553]
## 172	207.32656	(120,240]	Typical	[175.9,229)
## 173	255.30567	(240,6e+03]	Long	[229.4,553]
## 174	224.20129	(120,240]	Typical	[175.9,229)
## 175	143.01499	(120,240]	Typical	[71.1,176)
## 176	235.07851	(120,240]	Typical	[229.4,553]
## 177	214.23889	(120,240]	Typical	[175.9,229)
## 178	221.36949	(120,240]	Typical	[175.9,229)
## 179	178.89056	(120,240]	Typical	[175.9,229)
## 180	197.12074	(120,240]	Typical	[175.9,229)
## 181	211.71561	(120,240]	Typical	[175.9,229)
## 182	351.25236	(240,6e+03]	Long	[229.4,553]

## 183	209.61155	(120,240]	Typical	[175.9,229)
## 184	215.25125	(120,240]	Typical	[175.9,229)
## 185	170.42592	(120,240]	Typical	[71.1,176)
## 186	168.67335	(120,240]	Typical	[71.1,176)
## 187	121.83248	(120,240]	Typical	[71.1,176)
## 188	338.98616	(240,6e+03]	Long	[229.4,553]
## 189	186.56702	(120,240]	Typical	[175.9,229)
## 190	157.35604	(120,240]	Typical	[71.1,176)
## 191	199.98402	(120,240]	Typical	[175.9,229)
## 192	217.81941	(120,240]	Typical	[175.9,229)
## 193	184.14019	(120,240]	Typical	[175.9,229)
## 194	166.19642	(120,240]	Typical	[71.1,176)
## 195	159.86759	(120,240]	Typical	[71.1,176)
## 196	187.94205	(120,240]	Typical	[175.9,229)
## 197	220.74979	(120,240]	Typical	[175.9,229)
## 198	217.26503	(120,240]	Typical	[175.9,229)
## 199	185.44671	(120,240]	Typical	[175.9,229)
## 200	179.51485	(120,240]	Typical	[175.9,229)
## 201	160.98253	(120,240]	Typical	[71.1,176)
## 202	141.74345	(120,240]	Typical	[71.1,176)
## 203	155.71133	(120,240]	Typical	[71.1,176)
## 204	213.06027	(120,240]	Typical	[175.9,229)
## 205	149.44685	(120,240]	Typical	[71.1,176)
## 206	255.19059	(240,6e+03]	Long	[229.4,553]
## 207	155.38733	(120,240]	Typical	[71.1,176)
## 208	153.15192	(120,240]	Typical	[71.1,176)
## 209	182.71621	(120,240]	Typical	[175.9,229)
## 210	127.06452	(120,240]	Typical	[71.1,176)
## 211	207.40958	(120,240]	Typical	[175.9,229)
## 212	165.34446	(120,240]	Typical	[71.1,176)
## 213	246.00796	(240,6e+03]	Long	[229.4,553]
## 214	243.63304	(240,6e+03]	Long	[229.4,553]
## 215	295.12434	(240,6e+03]	Long	[229.4,553]
## 216	179.42327	(120,240]	Typical	[175.9,229)
## 217	187.65634	(120,240]	Typical	[175.9,229)
## 218	151.24161	(120,240]	Typical	[71.1,176)
## 219	319.78854	(240,6e+03]	Long	[229.4,553]
## 220	265.39282	(240,6e+03]	Long	[229.4,553]
## 221	78.75538	(0,120]	Short	[71.1,176)
## 222	280.21535	(240,6e+03]	Long	[229.4,553]
## 223	121.43535	(120,240]	Typical	[71.1,176)
## 224	192.22167	(120,240]	Typical	[175.9,229)
## 225	263.54757	(240,6e+03]	Long	[229.4,553]
## 226	233.40603	(120,240]	Typical	[229.4,553]
## 227	206.44405	(120,240]	Typical	[175.9,229)
## 228	308.78698	(240,6e+03]	Long	[229.4,553]
## 229	161.24130	(120,240]	Typical	[71.1,176)
## 230	119.16272	(0,120]	Short	[71.1,176)
## 231	173.70164	(120,240]	Typical	[71.1,176)
## 232	207.04899	(120,240]	Typical	[175.9,229)
## 233	206.49483	(120,240]	Typical	[175.9,229)
## 234	156.39696	(120,240]	Typical	[71.1,176)
## 235	310.69872	(240,6e+03]	Long	[229.4,553]
## 236	142.88673	(120,240]	Typical	[71.1,176)

## 237	146.86443	(120,240]	Typical	[71.1,176)
## 238	210.77872	(120,240]	Typical	[175.9,229)
## 239	183.49712	(120,240]	Typical	[175.9,229)
## 240	166.65642	(120,240]	Typical	[71.1,176)
## 241	201.89953	(120,240]	Typical	[175.9,229)
## 242	175.92436	(120,240]	Typical	[175.9,229)
## 243	238.95314	(120,240]	Typical	[229.4,553]
## 244	173.91290	(120,240]	Typical	[71.1,176)
## 245	244.08678	(240,6e+03]	Long	[229.4,553]
## 246	378.69466	(240,6e+03]	Long	[229.4,553]
## 247	167.57106	(120,240]	Typical	[71.1,176)
## 248	377.90800	(240,6e+03]	Long	[229.4,553]
## 249	199.29390	(120,240]	Typical	[175.9,229)
## 250	169.63749	(120,240]	Typical	[71.1,176)
## 251	191.12855	(120,240]	Typical	[175.9,229)
## 252	222.03720	(120,240]	Typical	[175.9,229)
## 253	150.07445	(120,240]	Typical	[71.1,176)
## 254	180.39212	(120,240]	Typical	[175.9,229)
## 255	168.33305	(120,240]	Typical	[71.1,176)
## 256	187.64937	(120,240]	Typical	[175.9,229)
## 257	257.01883	(240,6e+03]	Long	[229.4,553]
## 258	218.41224	(120,240]	Typical	[175.9,229)
## 259	172.79140	(120,240]	Typical	[71.1,176)
## 260	195.44689	(120,240]	Typical	[175.9,229)
## 261	117.91492	(0,120]	Short	[71.1,176)
## 262	124.55438	(120,240]	Typical	[71.1,176)
## 263	224.48362	(120,240]	Typical	[175.9,229)
## 264	334.61777	(240,6e+03]	Long	[229.4,553]
## 265	198.99807	(120,240]	Typical	[175.9,229)
## 266	163.85181	(120,240]	Typical	[71.1,176)
## 267	138.05822	(120,240]	Typical	[71.1,176)
## 268	256.53266	(240,6e+03]	Long	[229.4,553]
## 269	262.91564	(240,6e+03]	Long	[229.4,553]
## 270	146.47218	(120,240]	Typical	[71.1,176)
## 271	241.87819	(240,6e+03]	Long	[229.4,553]
## 272	115.47660	(0,120]	Short	[71.1,176)
## 273	243.44857	(240,6e+03]	Long	[229.4,553]
## 274	235.42410	(120,240]	Typical	[229.4,553]
## 275	255.33076	(240,6e+03]	Long	[229.4,553]
## 276	208.25070	(120,240]	Typical	[175.9,229)
## 277	132.19186	(120,240]	Typical	[71.1,176)
## 278	167.41170	(120,240]	Typical	[71.1,176)
## 279	160.55093	(120,240]	Typical	[71.1,176)
## 280	282.01783	(240,6e+03]	Long	[229.4,553]
## 281	258.99843	(240,6e+03]	Long	[229.4,553]
## 282	294.99235	(240,6e+03]	Long	[229.4,553]
## 283	248.51645	(240,6e+03]	Long	[229.4,553]
## 284	193.18552	(120,240]	Typical	[175.9,229)
## 285	121.00614	(120,240]	Typical	[71.1,176)
## 286	213.62677	(120,240]	Typical	[175.9,229)
## 287	191.47774	(120,240]	Typical	[175.9,229)
## 288	132.05043	(120,240]	Typical	[71.1,176)
## 289	280.36945	(240,6e+03]	Long	[229.4,553]
## 290	164.39762	(120,240]	Typical	[71.1,176)

## 291	136.81540	(120,240]	Typical	[71.1,176)
## 292	209.93876	(120,240]	Typical	[175.9,229)
## 293	195.84232	(120,240]	Typical	[175.9,229)
## 294	225.29810	(120,240]	Typical	[175.9,229)
## 295	254.68795	(240,6e+03]	Long	[229.4,553]
## 296	304.23808	(240,6e+03]	Long	[229.4,553]
## 297	264.65435	(240,6e+03]	Long	[229.4,553]
## 298	167.89793	(120,240]	Typical	[71.1,176)
## 299	196.91325	(120,240]	Typical	[175.9,229)
## 300	296.30577	(240,6e+03]	Long	[229.4,553]
## 301	238.37517	(120,240]	Typical	[229.4,553]
## 302	126.18910	(120,240]	Typical	[71.1,176)
## 303	335.86631	(240,6e+03]	Long	[229.4,553]
## 304	268.62577	(240,6e+03]	Long	[229.4,553]
## 305	260.25012	(240,6e+03]	Long	[229.4,553]
## 306	195.57213	(120,240]	Typical	[175.9,229)
## 307	224.34436	(120,240]	Typical	[175.9,229)
## 308	284.15503	(240,6e+03]	Long	[229.4,553]
## 309	151.76761	(120,240]	Typical	[71.1,176)
## 310	184.65242	(120,240]	Typical	[175.9,229)
## 311	312.35288	(240,6e+03]	Long	[229.4,553]
## 312	240.65283	(240,6e+03]	Long	[229.4,553]
## 313	317.64859	(240,6e+03]	Long	[229.4,553]
## 314	297.85323	(240,6e+03]	Long	[229.4,553]
## 315	259.57047	(240,6e+03]	Long	[229.4,553]
## 316	322.73087	(240,6e+03]	Long	[229.4,553]
## 317	249.37853	(240,6e+03]	Long	[229.4,553]
## 318	285.31631	(240,6e+03]	Long	[229.4,553]
## 319	206.42589	(120,240]	Typical	[175.9,229)
## 320	142.51235	(120,240]	Typical	[71.1,176)
## 321	160.61435	(120,240]	Typical	[71.1,176)
## 322	246.90068	(240,6e+03]	Long	[229.4,553]
## 323	174.41869	(120,240]	Typical	[71.1,176)
## 324	216.33758	(120,240]	Typical	[175.9,229)
## 325	243.41176	(240,6e+03]	Long	[229.4,553]
## 326	169.00337	(120,240]	Typical	[71.1,176)
## 327	323.46456	(240,6e+03]	Long	[229.4,553]
## 328	281.47816	(240,6e+03]	Long	[229.4,553]
## 329	169.27091	(120,240]	Typical	[71.1,176)
## 330	187.15676	(120,240]	Typical	[175.9,229)
## 331	261.39538	(240,6e+03]	Long	[229.4,553]
## 332	231.01608	(120,240]	Typical	[229.4,553]
## 333	319.45586	(240,6e+03]	Long	[229.4,553]
## 334	168.52660	(120,240]	Typical	[71.1,176)
## 335	124.84755	(120,240]	Typical	[71.1,176)
## 336	154.32140	(120,240]	Typical	[71.1,176)
## 337	134.13013	(120,240]	Typical	[71.1,176)
## 338	118.84703	(0,120]	Short	[71.1,176)
## 339	201.60892	(120,240]	Typical	[175.9,229)
## 340	253.51565	(240,6e+03]	Long	[229.4,553]
## 341	155.59742	(120,240]	Typical	[71.1,176)
## 342	94.91644	(0,120]	Short	[71.1,176)
## 343	159.93751	(120,240]	Typical	[71.1,176)
## 344	191.21793	(120,240]	Typical	[175.9,229)

## 345	158.18399	(120,240]	Typical	[71.1,176)
## 346	232.63843	(120,240]	Typical	[229.4,553]
## 347	250.00263	(240,6e+03]	Long	[229.4,553]
## 348	89.08464	(0,120]	Short	[71.1,176)
## 349	181.05117	(120,240]	Typical	[175.9,229)
## 350	522.27196	(240,6e+03]	Long	[229.4,553]
## 351	228.47134	(120,240]	Typical	[175.9,229)
## 352	243.26339	(240,6e+03]	Long	[229.4,553]
## 353	197.17925	(120,240]	Typical	[175.9,229)
## 354	251.54023	(240,6e+03]	Long	[229.4,553]
## 355	214.26124	(120,240]	Typical	[175.9,229)
## 356	236.96904	(120,240]	Typical	[229.4,553]
## 357	300.58710	(240,6e+03]	Long	[229.4,553]
## 358	234.65643	(120,240]	Typical	[229.4,553]
## 359	106.48155	(0,120]	Short	[71.1,176)
## 360	198.40365	(120,240]	Typical	[175.9,229)
## 361	172.80366	(120,240]	Typical	[71.1,176)
## 362	274.95510	(240,6e+03]	Long	[229.4,553]
## 363	201.61715	(120,240]	Typical	[175.9,229)
## 364	245.05543	(240,6e+03]	Long	[229.4,553]
## 365	214.02179	(120,240]	Typical	[175.9,229)
## 366	295.58157	(240,6e+03]	Long	[229.4,553]
## 367	453.83262	(240,6e+03]	Long	[229.4,553]
## 368	275.76809	(240,6e+03]	Long	[229.4,553]
## 369	108.67423	(0,120]	Short	[71.1,176)
## 370	231.03411	(120,240]	Typical	[229.4,553]
## 371	197.08569	(120,240]	Typical	[175.9,229)
## 372	244.83979	(240,6e+03]	Long	[229.4,553]
## 373	281.80651	(240,6e+03]	Long	[229.4,553]
## 374	283.33438	(240,6e+03]	Long	[229.4,553]
## 375	146.13105	(120,240]	Typical	[71.1,176)
## 376	287.79529	(240,6e+03]	Long	[229.4,553]
## 377	265.36538	(240,6e+03]	Long	[229.4,553]
## 378	195.01284	(120,240]	Typical	[175.9,229)
## 379	225.86110	(120,240]	Typical	[175.9,229)
## 380	233.32957	(120,240]	Typical	[229.4,553]
## 381	447.25419	(240,6e+03]	Long	[229.4,553]
## 382	281.97976	(240,6e+03]	Long	[229.4,553]
## 383	296.61903	(240,6e+03]	Long	[229.4,553]
## 384	165.51573	(120,240]	Typical	[71.1,176)
## 385	179.20943	(120,240]	Typical	[175.9,229)
## 386	166.10854	(120,240]	Typical	[71.1,176)
## 387	241.60198	(240,6e+03]	Long	[229.4,553]
## 388	146.87599	(120,240]	Typical	[71.1,176)
## 389	203.53114	(120,240]	Typical	[175.9,229)
## 390	245.98323	(240,6e+03]	Long	[229.4,553]
## 391	186.16047	(120,240]	Typical	[175.9,229)
## 392	240.58995	(240,6e+03]	Long	[229.4,553]
## 393	247.78524	(240,6e+03]	Long	[229.4,553]
## 394	250.65292	(240,6e+03]	Long	[229.4,553]
## 395	350.86623	(240,6e+03]	Long	[229.4,553]
## 396	365.34481	(240,6e+03]	Long	[229.4,553]
## 397	222.48165	(120,240]	Typical	[175.9,229)
## 398	256.96966	(240,6e+03]	Long	[229.4,553]

## 399	261.63808	(240,6e+03]	Long	[229.4,553]
## 400	257.43947	(240,6e+03]	Long	[229.4,553]
## 401	196.70041	(120,240]	Typical	[175.9,229]
## 402	259.20330	(240,6e+03]	Long	[229.4,553]
## 403	194.86745	(120,240]	Typical	[175.9,229]
## 404	115.87655	(0,120]	Short	[71.1,176]
## 405	205.88371	(120,240]	Typical	[175.9,229]
## 406	186.78525	(120,240]	Typical	[175.9,229]
## 407	197.45102	(120,240]	Typical	[175.9,229]
## 408	163.35948	(120,240]	Typical	[71.1,176]
## 409	140.90728	(120,240]	Typical	[71.1,176]
## 410	181.80719	(120,240]	Typical	[175.9,229]
## 411	143.77437	(120,240]	Typical	[71.1,176]
## 412	270.09422	(240,6e+03]	Long	[229.4,553]
## 413	332.49742	(240,6e+03]	Long	[229.4,553]
## 414	135.59505	(120,240]	Typical	[71.1,176]
## 415	214.68561	(120,240]	Typical	[175.9,229]
## 416	147.92142	(120,240]	Typical	[71.1,176]
## 417	263.89452	(240,6e+03]	Long	[229.4,553]
## 418	217.87207	(120,240]	Typical	[175.9,229]
## 419	193.35102	(120,240]	Typical	[175.9,229]
## 420	205.35423	(120,240]	Typical	[175.9,229]
## 421	218.49562	(120,240]	Typical	[175.9,229]
## 422	445.79983	(240,6e+03]	Long	[229.4,553]
## 423	221.24152	(120,240]	Typical	[175.9,229]
## 424	176.22125	(120,240]	Typical	[175.9,229]
## 425	198.97919	(120,240]	Typical	[175.9,229]
## 426	262.16875	(240,6e+03]	Long	[229.4,553]
## 427	318.60820	(240,6e+03]	Long	[229.4,553]
## 428	197.73782	(120,240]	Typical	[175.9,229]
## 429	225.09269	(120,240]	Typical	[175.9,229]
## 430	167.15219	(120,240]	Typical	[71.1,176]
## 431	139.21152	(120,240]	Typical	[71.1,176]
## 432	176.68304	(120,240]	Typical	[175.9,229]
## 433	176.91446	(120,240]	Typical	[175.9,229]
## 434	143.03969	(120,240]	Typical	[71.1,176]
## 435	131.43728	(120,240]	Typical	[71.1,176]
## 436	114.97139	(0,120]	Short	[71.1,176]
## 437	144.70658	(120,240]	Typical	[71.1,176]
## 438	288.68748	(240,6e+03]	Long	[229.4,553]
## 439	248.06630	(240,6e+03]	Long	[229.4,553]
## 440	243.83517	(240,6e+03]	Long	[229.4,553]
## 441	204.83808	(120,240]	Typical	[175.9,229]
## 442	297.13761	(240,6e+03]	Long	[229.4,553]
## 443	235.66691	(120,240]	Typical	[229.4,553]
## 444	213.30991	(120,240]	Typical	[175.9,229]
## 445	188.77986	(120,240]	Typical	[175.9,229]
## 446	128.91488	(120,240]	Typical	[71.1,176]
## 447	169.95131	(120,240]	Typical	[71.1,176]
## 448	314.50083	(240,6e+03]	Long	[229.4,553]
## 449	148.38235	(120,240]	Typical	[71.1,176]
## 450	271.04666	(240,6e+03]	Long	[229.4,553]
## 451	191.10414	(120,240]	Typical	[175.9,229]
## 452	128.45993	(120,240]	Typical	[71.1,176]

## 453	145.87163	(120,240]	Typical	[71.1,176)
## 454	233.56046	(120,240]	Typical	[229.4,553]
## 455	233.66476	(120,240]	Typical	[229.4,553]
## 456	235.89721	(120,240]	Typical	[229.4,553]
## 457	164.15525	(120,240]	Typical	[71.1,176)
## 458	240.80942	(240,6e+03]	Long	[229.4,553]
## 459	199.48340	(120,240]	Typical	[175.9,229)
## 460	232.39060	(120,240]	Typical	[229.4,553]
## 461	202.40433	(120,240]	Typical	[175.9,229)
## 462	206.13265	(120,240]	Typical	[175.9,229)
## 463	185.24052	(120,240]	Typical	[175.9,229)
## 464	186.11994	(120,240]	Typical	[175.9,229)
## 465	173.01597	(120,240]	Typical	[71.1,176)
## 466	231.57913	(120,240]	Typical	[229.4,553]
## 467	132.48699	(120,240]	Typical	[71.1,176)
## 468	159.48315	(120,240]	Typical	[71.1,176)
## 469	163.09034	(120,240]	Typical	[71.1,176)
## 470	135.62638	(120,240]	Typical	[71.1,176)
## 471	202.76403	(120,240]	Typical	[175.9,229)
## 472	220.22463	(120,240]	Typical	[175.9,229)
## 473	155.20515	(120,240]	Typical	[71.1,176)
## 474	74.43352	(0,120]	Short	[71.1,176)
## 475	365.15947	(240,6e+03]	Long	[229.4,553]
## 476	270.97125	(240,6e+03]	Long	[229.4,553]
## 477	191.22049	(120,240]	Typical	[175.9,229)
## 478	336.82252	(240,6e+03]	Long	[229.4,553]
## 479	278.42864	(240,6e+03]	Long	[229.4,553]
## 480	286.63104	(240,6e+03]	Long	[229.4,553]
## 481	118.68459	(0,120]	Short	[71.1,176)
## 482	257.82274	(240,6e+03]	Long	[229.4,553]
## 483	171.91263	(120,240]	Typical	[71.1,176)
## 484	196.19039	(120,240]	Typical	[175.9,229)
## 485	149.26540	(120,240]	Typical	[71.1,176)
## 486	306.40105	(240,6e+03]	Long	[229.4,553]
## 487	269.61535	(240,6e+03]	Long	[229.4,553]
## 488	235.99617	(120,240]	Typical	[229.4,553]
## 489	172.19931	(120,240]	Typical	[71.1,176)
## 490	175.14032	(120,240]	Typical	[71.1,176)
## 491	208.99559	(120,240]	Typical	[175.9,229)
## 492	226.11858	(120,240]	Typical	[175.9,229)
## 493	195.47629	(120,240]	Typical	[175.9,229)
## 494	174.24399	(120,240]	Typical	[71.1,176)
## 495	207.90824	(120,240]	Typical	[175.9,229)
## 496	197.84456	(120,240]	Typical	[175.9,229)
## 497	263.71141	(240,6e+03]	Long	[229.4,553]
## 498	257.80174	(240,6e+03]	Long	[229.4,553]
## 499	127.60808	(120,240]	Typical	[71.1,176)
## 500	168.27752	(120,240]	Typical	[71.1,176)
## 501	393.29312	(240,6e+03]	Long	[229.4,553]
## 502	173.73708	(120,240]	Typical	[71.1,176)
## 503	272.33207	(240,6e+03]	Long	[229.4,553]
## 504	142.45178	(120,240]	Typical	[71.1,176)
## 505	313.43862	(240,6e+03]	Long	[229.4,553]
## 506	203.87469	(120,240]	Typical	[175.9,229)

## 507	256.72773	(240,6e+03]	Long	[229.4,553]
## 508	169.17657	(120,240]	Typical	[71.1,176)
## 509	189.19150	(120,240]	Typical	[175.9,229)
## 510	321.97879	(240,6e+03]	Long	[229.4,553]
## 511	289.27040	(240,6e+03]	Long	[229.4,553]
## 512	195.45228	(120,240]	Typical	[175.9,229)
## 513	184.75698	(120,240]	Typical	[175.9,229)
## 514	242.99786	(240,6e+03]	Long	[229.4,553]
## 515	170.93811	(120,240]	Typical	[71.1,176)
## 516	247.50089	(240,6e+03]	Long	[229.4,553]
## 517	225.76413	(120,240]	Typical	[175.9,229)
## 518	168.24578	(120,240]	Typical	[71.1,176)
## 519	176.55145	(120,240]	Typical	[175.9,229)
## 520	164.38166	(120,240]	Typical	[71.1,176)
## 521	204.50340	(120,240]	Typical	[175.9,229)
## 522	216.30171	(120,240]	Typical	[175.9,229)
## 523	266.93815	(240,6e+03]	Long	[229.4,553]
## 524	94.42283	(0,120]	Short	[71.1,176)
## 525	281.71213	(240,6e+03]	Long	[229.4,553]
## 526	199.30801	(120,240]	Typical	[175.9,229)
## 527	185.94891	(120,240]	Typical	[175.9,229)
## 528	179.16930	(120,240]	Typical	[175.9,229)
## 529	257.10562	(240,6e+03]	Long	[229.4,553]
## 530	198.06618	(120,240]	Typical	[175.9,229)
## 531	326.40519	(240,6e+03]	Long	[229.4,553]
## 532	230.52728	(120,240]	Typical	[229.4,553]
## 533	210.20494	(120,240]	Typical	[175.9,229)
## 534	207.36559	(120,240]	Typical	[175.9,229)
## 535	169.70771	(120,240]	Typical	[71.1,176)
## 536	283.65677	(240,6e+03]	Long	[229.4,553]
## 537	448.33077	(240,6e+03]	Long	[229.4,553]
## 538	131.86225	(120,240]	Typical	[71.1,176)
## 539	187.05334	(120,240]	Typical	[175.9,229)
## 540	232.03572	(120,240]	Typical	[229.4,553]
## 541	288.97406	(240,6e+03]	Long	[229.4,553]
## 542	204.75629	(120,240]	Typical	[175.9,229)
## 543	154.48352	(120,240]	Typical	[71.1,176)
## 544	146.79691	(120,240]	Typical	[71.1,176)
## 545	220.25194	(120,240]	Typical	[175.9,229)
## 546	272.50513	(240,6e+03]	Long	[229.4,553]
## 547	274.05168	(240,6e+03]	Long	[229.4,553]
## 548	124.05345	(120,240]	Typical	[71.1,176)
## 549	229.87378	(120,240]	Typical	[229.4,553]
## 550	232.52650	(120,240]	Typical	[229.4,553]
## 551	153.11177	(120,240]	Typical	[71.1,176)
## 552	375.94837	(240,6e+03]	Long	[229.4,553]
## 553	241.34719	(240,6e+03]	Long	[229.4,553]
## 554	191.47726	(120,240]	Typical	[175.9,229)
## 555	169.44322	(120,240]	Typical	[71.1,176)
## 556	190.89614	(120,240]	Typical	[175.9,229)
## 557	151.24365	(120,240]	Typical	[71.1,176)
## 558	137.97139	(120,240]	Typical	[71.1,176)
## 559	171.61044	(120,240]	Typical	[71.1,176)
## 560	162.77208	(120,240]	Typical	[71.1,176)

## 561	171.85968	(120,240]	Typical	[71.1,176)
## 562	122.96880	(120,240]	Typical	[71.1,176)
## 563	148.01981	(120,240]	Typical	[71.1,176)
## 564	119.88063	(0,120]	Short	[71.1,176)
## 565	188.39719	(120,240]	Typical	[175.9,229)
## 566	201.65370	(120,240]	Typical	[175.9,229)
## 567	211.52275	(120,240]	Typical	[175.9,229)
## 568	361.39873	(240,6e+03]	Long	[229.4,553]
## 569	178.32600	(120,240]	Typical	[175.9,229)
## 570	212.59569	(120,240]	Typical	[175.9,229)
## 571	176.40608	(120,240]	Typical	[175.9,229)
## 572	218.25889	(120,240]	Typical	[175.9,229)
## 573	211.64854	(120,240]	Typical	[175.9,229)
## 574	154.42895	(120,240]	Typical	[71.1,176)
## 575	255.08483	(240,6e+03]	Long	[229.4,553]
## 576	263.36037	(240,6e+03]	Long	[229.4,553]
## 577	331.77752	(240,6e+03]	Long	[229.4,553]
## 578	268.65783	(240,6e+03]	Long	[229.4,553]
## 579	205.99436	(120,240]	Typical	[175.9,229)
## 580	126.33073	(120,240]	Typical	[71.1,176)
## 581	186.07995	(120,240]	Typical	[175.9,229)
## 582	178.06942	(120,240]	Typical	[175.9,229)
## 583	164.96812	(120,240]	Typical	[71.1,176)
## 584	104.10973	(0,120]	Short	[71.1,176)
## 585	209.08839	(120,240]	Typical	[175.9,229)
## 586	175.93490	(120,240]	Typical	[175.9,229)
## 587	159.85575	(120,240]	Typical	[71.1,176)
## 588	189.40760	(120,240]	Typical	[175.9,229)
## 589	117.09971	(0,120]	Short	[71.1,176)
## 590	247.93401	(240,6e+03]	Long	[229.4,553]
## 591	203.23056	(120,240]	Typical	[175.9,229)
## 592	553.11653	(240,6e+03]	Long	[229.4,553]
## 593	167.17951	(120,240]	Typical	[71.1,176)
## 594	204.81892	(120,240]	Typical	[175.9,229)
## 595	260.59213	(240,6e+03]	Long	[229.4,553]
## 596	169.27084	(120,240]	Typical	[71.1,176)
## 597	177.26918	(120,240]	Typical	[175.9,229)
## 598	145.93082	(120,240]	Typical	[71.1,176)
## 599	233.00077	(120,240]	Typical	[229.4,553]
## 600	168.25697	(120,240]	Typical	[71.1,176)
## 601	118.47534	(0,120]	Short	[71.1,176)
## 602	173.30555	(120,240]	Typical	[71.1,176)
## 603	305.78348	(240,6e+03]	Long	[229.4,553]
## 604	172.52824	(120,240]	Typical	[71.1,176)
## 605	153.28735	(120,240]	Typical	[71.1,176)
## 606	254.71138	(240,6e+03]	Long	[229.4,553]
## 607	212.11592	(120,240]	Typical	[175.9,229)
## 608	260.15928	(240,6e+03]	Long	[229.4,553]
## 609	157.39329	(120,240]	Typical	[71.1,176)
## 610	207.74889	(120,240]	Typical	[175.9,229)
## 611	321.39327	(240,6e+03]	Long	[229.4,553]
## 612	146.19935	(120,240]	Typical	[71.1,176)
## 613	226.72684	(120,240]	Typical	[175.9,229)
## 614	157.07926	(120,240]	Typical	[71.1,176)

## 615	163.38219	(120,240]	Typical	[71.1,176)
## 616	180.47509	(120,240]	Typical	[175.9,229)
## 617	191.66240	(120,240]	Typical	[175.9,229)
## 618	214.28858	(120,240]	Typical	[175.9,229)
## 619	348.24840	(240,6e+03]	Long	[229.4,553]
## 620	145.77816	(120,240]	Typical	[71.1,176)
## 621	123.79690	(120,240]	Typical	[71.1,176)
## 622	260.33101	(240,6e+03]	Long	[229.4,553]
## 623	305.05325	(240,6e+03]	Long	[229.4,553]
## 624	187.44941	(120,240]	Typical	[175.9,229)
## 625	165.21743	(120,240]	Typical	[71.1,176)
## 626	198.48186	(120,240]	Typical	[175.9,229)
## 627	235.02789	(120,240]	Typical	[229.4,553]
## 628	305.74204	(240,6e+03]	Long	[229.4,553]
## 629	204.63709	(120,240]	Typical	[175.9,229)
## 630	349.07484	(240,6e+03]	Long	[229.4,553]
## 631	165.73787	(120,240]	Typical	[71.1,176)
## 632	241.37321	(240,6e+03]	Long	[229.4,553]
## 633	162.08163	(120,240]	Typical	[71.1,176)
## 634	109.03108	(0,120]	Short	[71.1,176)
## 635	182.34949	(120,240]	Typical	[175.9,229)
## 636	203.08614	(120,240]	Typical	[175.9,229)
## 637	216.34911	(120,240]	Typical	[175.9,229)
## 638	262.23839	(240,6e+03]	Long	[229.4,553]
## 639	235.12559	(120,240]	Typical	[229.4,553]
## 640	123.22551	(120,240]	Typical	[71.1,176)
## 641	202.64283	(120,240]	Typical	[175.9,229)
## 642	238.19011	(120,240]	Typical	[229.4,553]
## 643	146.92630	(120,240]	Typical	[71.1,176)
## 644	144.98759	(120,240]	Typical	[71.1,176)
## 645	178.44210	(120,240]	Typical	[175.9,229)
## 646	145.71589	(120,240]	Typical	[71.1,176)
## 647	196.67754	(120,240]	Typical	[175.9,229)
## 648	253.35081	(240,6e+03]	Long	[229.4,553]
## 649	179.33638	(120,240]	Typical	[175.9,229)
## 650	231.99407	(120,240]	Typical	[229.4,553]
## 651	110.27136	(0,120]	Short	[71.1,176)
## 652	225.28068	(120,240]	Typical	[175.9,229)
## 653	204.69059	(120,240]	Typical	[175.9,229)
## 654	175.63850	(120,240]	Typical	[71.1,176)
## 655	136.82673	(120,240]	Typical	[71.1,176)
## 656	186.20857	(120,240]	Typical	[175.9,229)
## 657	156.27504	(120,240]	Typical	[71.1,176)
## 658	240.59871	(240,6e+03]	Long	[229.4,553]
## 659	255.02349	(240,6e+03]	Long	[229.4,553]
## 660	247.51742	(240,6e+03]	Long	[229.4,553]
## 661	404.54919	(240,6e+03]	Long	[229.4,553]
## 662	211.47428	(120,240]	Typical	[175.9,229)
## 663	165.28920	(120,240]	Typical	[71.1,176)
## 664	132.27558	(120,240]	Typical	[71.1,176)
## 665	320.06840	(240,6e+03]	Long	[229.4,553]
## 666	210.52113	(120,240]	Typical	[175.9,229)
## 667	144.63139	(120,240]	Typical	[71.1,176)
## 668	183.36652	(120,240]	Typical	[175.9,229)

## 669	234.36451	(120,240]	Typical	[229.4,553]
## 670	163.26140	(120,240]	Typical	[71.1,176)
## 671	215.02154	(120,240]	Typical	[175.9,229)
## 672	240.21246	(240,6e+03]	Long	[229.4,553]
## 673	232.87404	(120,240]	Typical	[229.4,553]
## 674	152.38378	(120,240]	Typical	[71.1,176)
## 675	378.17763	(240,6e+03]	Long	[229.4,553]
## 676	117.26543	(0,120]	Short	[71.1,176)
## 677	161.40001	(120,240]	Typical	[71.1,176)
## 678	129.92119	(120,240]	Typical	[71.1,176)
## 679	200.10474	(120,240]	Typical	[175.9,229)
## 680	118.84160	(0,120]	Short	[71.1,176)
## 681	263.26099	(240,6e+03]	Long	[229.4,553]
## 682	147.09834	(120,240]	Typical	[71.1,176)
## 683	192.11454	(120,240]	Typical	[175.9,229)
## 684	151.48380	(120,240]	Typical	[71.1,176)
## 685	181.65296	(120,240]	Typical	[175.9,229)
## 686	240.23177	(240,6e+03]	Long	[229.4,553]
## 687	157.31634	(120,240]	Typical	[71.1,176)
## 688	173.74777	(120,240]	Typical	[71.1,176)
## 689	347.56516	(240,6e+03]	Long	[229.4,553]
## 690	129.27571	(120,240]	Typical	[71.1,176)
## 691	208.00421	(120,240]	Typical	[175.9,229)
## 692	302.62343	(240,6e+03]	Long	[229.4,553]
## 693	146.09531	(120,240]	Typical	[71.1,176)
## 694	260.33342	(240,6e+03]	Long	[229.4,553]
## 695	192.87902	(120,240]	Typical	[175.9,229)
## 696	302.84052	(240,6e+03]	Long	[229.4,553]
## 697	204.83902	(120,240]	Typical	[175.9,229)
## 698	166.47365	(120,240]	Typical	[71.1,176)
## 699	249.61711	(240,6e+03]	Long	[229.4,553]
## 700	194.73433	(120,240]	Typical	[175.9,229)
## 701	153.38175	(120,240]	Typical	[71.1,176)
## 702	206.03187	(120,240]	Typical	[175.9,229)
## 703	291.24741	(240,6e+03]	Long	[229.4,553]
## 704	208.01963	(120,240]	Typical	[175.9,229)
## 705	220.16218	(120,240]	Typical	[175.9,229)
## 706	117.33724	(0,120]	Short	[71.1,176)
## 707	335.67821	(240,6e+03]	Long	[229.4,553]
## 708	191.70679	(120,240]	Typical	[175.9,229)
## 709	276.93813	(240,6e+03]	Long	[229.4,553]
## 710	184.06578	(120,240]	Typical	[175.9,229)
## 711	246.41229	(240,6e+03]	Long	[229.4,553]
## 712	191.62839	(120,240]	Typical	[175.9,229)
## 713	171.23405	(120,240]	Typical	[71.1,176)
## 714	162.53049	(120,240]	Typical	[71.1,176)
## 715	239.71000	(120,240]	Typical	[229.4,553]
## 716	214.71415	(120,240]	Typical	[175.9,229)
## 717	185.89192	(120,240]	Typical	[175.9,229)
## 718	210.56832	(120,240]	Typical	[175.9,229)
## 719	202.39302	(120,240]	Typical	[175.9,229)
## 720	132.90183	(120,240]	Typical	[71.1,176)
## 721	165.80935	(120,240]	Typical	[71.1,176)
## 722	233.83314	(120,240]	Typical	[229.4,553]

## 723	194.56192	(120,240]	Typical	[175.9,229)
## 724	223.12370	(120,240]	Typical	[175.9,229)
## 725	120.21881	(120,240]	Typical	[71.1,176)
## 726	266.65251	(240,6e+03]	Long	[229.4,553]
## 727	193.12965	(120,240]	Typical	[175.9,229)
## 728	172.66590	(120,240]	Typical	[71.1,176)
## 729	179.67147	(120,240]	Typical	[175.9,229)
## 730	342.33912	(240,6e+03]	Long	[229.4,553]
## 731	200.24528	(120,240]	Typical	[175.9,229)
## 732	328.54818	(240,6e+03]	Long	[229.4,553]
## 733	139.96723	(120,240]	Typical	[71.1,176)
## 734	293.47762	(240,6e+03]	Long	[229.4,553]
## 735	157.19273	(120,240]	Typical	[71.1,176)
## 736	129.79308	(120,240]	Typical	[71.1,176)
## 737	284.86855	(240,6e+03]	Long	[229.4,553]
## 738	218.74395	(120,240]	Typical	[175.9,229)
## 739	245.29346	(240,6e+03]	Long	[229.4,553]
## 740	225.37293	(120,240]	Typical	[175.9,229)
## 741	280.86719	(240,6e+03]	Long	[229.4,553]
## 742	196.40115	(120,240]	Typical	[175.9,229)
## 743	179.42436	(120,240]	Typical	[175.9,229)
## 744	107.37458	(0,120]	Short	[71.1,176)
## 745	159.08119	(120,240]	Typical	[71.1,176)
## 746	157.48677	(120,240]	Typical	[71.1,176)
## 747	276.35433	(240,6e+03]	Long	[229.4,553]
## 748	99.20280	(0,120]	Short	[71.1,176)
## 749	192.85749	(120,240]	Typical	[175.9,229)
## 750	275.34490	(240,6e+03]	Long	[229.4,553]
## 751	161.88591	(120,240]	Typical	[71.1,176)
## 752	243.04108	(240,6e+03]	Long	[229.4,553]
## 753	198.52455	(120,240]	Typical	[175.9,229)
## 754	148.77134	(120,240]	Typical	[71.1,176)
## 755	282.51615	(240,6e+03]	Long	[229.4,553]
## 756	187.77305	(120,240]	Typical	[175.9,229)
## 757	190.57443	(120,240]	Typical	[175.9,229)
## 758	222.63798	(120,240]	Typical	[175.9,229)
## 759	275.00594	(240,6e+03]	Long	[229.4,553]
## 760	319.49478	(240,6e+03]	Long	[229.4,553]
## 761	125.71640	(120,240]	Typical	[71.1,176)
## 762	249.11301	(240,6e+03]	Long	[229.4,553]
## 763	176.63679	(120,240]	Typical	[175.9,229)
## 764	231.08582	(120,240]	Typical	[229.4,553]
## 765	190.08658	(120,240]	Typical	[175.9,229)
## 766	235.25945	(120,240]	Typical	[229.4,553]
## 767	191.45551	(120,240]	Typical	[175.9,229)
## 768	209.32929	(120,240]	Typical	[175.9,229)
## 769	246.45957	(240,6e+03]	Long	[229.4,553]
## 770	214.26340	(120,240]	Typical	[175.9,229)
## 771	332.41167	(240,6e+03]	Long	[229.4,553]
## 772	188.22377	(120,240]	Typical	[175.9,229)
## 773	144.44398	(120,240]	Typical	[71.1,176)
## 774	165.82709	(120,240]	Typical	[71.1,176)
## 775	265.93791	(240,6e+03]	Long	[229.4,553]
## 776	230.38258	(120,240]	Typical	[229.4,553]

## 777	188.86087	(120,240]	Typical	[175.9,229)
## 778	230.30017	(120,240]	Typical	[229.4,553]
## 779	313.82343	(240,6e+03]	Long	[229.4,553]
## 780	211.60833	(120,240]	Typical	[175.9,229)
## 781	168.56264	(120,240]	Typical	[71.1,176)
## 782	138.56193	(120,240]	Typical	[71.1,176)
## 783	249.01979	(240,6e+03]	Long	[229.4,553]
## 784	153.27216	(120,240]	Typical	[71.1,176)
## 785	150.20742	(120,240]	Typical	[71.1,176)
## 786	125.63926	(120,240]	Typical	[71.1,176)
## 787	203.84939	(120,240]	Typical	[175.9,229)
## 788	234.76716	(120,240]	Typical	[229.4,553]
## 789	133.11236	(120,240]	Typical	[71.1,176)
## 790	379.68934	(240,6e+03]	Long	[229.4,553]
## 791	169.62536	(120,240]	Typical	[71.1,176)
## 792	157.24302	(120,240]	Typical	[71.1,176)
## 793	253.27891	(240,6e+03]	Long	[229.4,553]
## 794	181.22812	(120,240]	Typical	[175.9,229)
## 795	194.84458	(120,240]	Typical	[175.9,229)
## 796	145.39072	(120,240]	Typical	[71.1,176)
## 797	208.51954	(120,240]	Typical	[175.9,229)
## 798	144.49587	(120,240]	Typical	[71.1,176)
## 799	201.76252	(120,240]	Typical	[175.9,229)
## 800	127.87015	(120,240]	Typical	[71.1,176)
## 801	266.41039	(240,6e+03]	Long	[229.4,553]
## 802	368.91271	(240,6e+03]	Long	[229.4,553]
## 803	71.13172	(0,120]	Short	[71.1,176)
## 804	172.21144	(120,240]	Typical	[71.1,176)
## 805	207.87797	(120,240]	Typical	[175.9,229)
## 806	221.24638	(120,240]	Typical	[175.9,229)
## 807	236.71789	(120,240]	Typical	[229.4,553]
## 808	256.14451	(240,6e+03]	Long	[229.4,553]
## 809	205.14675	(120,240]	Typical	[175.9,229)
## 810	231.18504	(120,240]	Typical	[229.4,553]
## 811	262.12750	(240,6e+03]	Long	[229.4,553]
## 812	197.82456	(120,240]	Typical	[175.9,229)
## 813	224.84483	(120,240]	Typical	[175.9,229)
## 814	343.13451	(240,6e+03]	Long	[229.4,553]
## 815	160.43216	(120,240]	Typical	[71.1,176)
## 816	216.60230	(120,240]	Typical	[175.9,229)
## 817	242.68294	(240,6e+03]	Long	[229.4,553]
## 818	238.94297	(120,240]	Typical	[229.4,553]
## 819	153.38914	(120,240]	Typical	[71.1,176)
## 820	281.46575	(240,6e+03]	Long	[229.4,553]
## 821	304.10547	(240,6e+03]	Long	[229.4,553]
## 822	207.02612	(120,240]	Typical	[175.9,229)
## 823	353.86716	(240,6e+03]	Long	[229.4,553]
## 824	213.06087	(120,240]	Typical	[175.9,229)
## 825	391.34826	(240,6e+03]	Long	[229.4,553]
## 826	191.50075	(120,240]	Typical	[175.9,229)
## 827	208.84298	(120,240]	Typical	[175.9,229)
## 828	231.93606	(120,240]	Typical	[229.4,553]
## 829	198.23400	(120,240]	Typical	[175.9,229)
## 830	312.13831	(240,6e+03]	Long	[229.4,553]

## 831	258.14572	(240,6e+03]	Long	[229.4,553]
## 832	188.54148	(120,240]	Typical	[175.9,229]
## 833	188.97775	(120,240]	Typical	[175.9,229]
## 834	140.25973	(120,240]	Typical	[71.1,176]
## 835	266.90210	(240,6e+03]	Long	[229.4,553]
## 836	126.37017	(120,240]	Typical	[71.1,176]
## 837	199.97638	(120,240]	Typical	[175.9,229]
## 838	266.57077	(240,6e+03]	Long	[229.4,553]
## 839	165.99942	(120,240]	Typical	[71.1,176]
## 840	204.51554	(120,240]	Typical	[175.9,229]
## 841	229.67560	(120,240]	Typical	[229.4,553]
## 842	123.30433	(120,240]	Typical	[71.1,176]
## 843	272.55281	(240,6e+03]	Long	[229.4,553]
## 844	159.68354	(120,240]	Typical	[71.1,176]
## 845	286.16448	(240,6e+03]	Long	[229.4,553]
## 846	207.83483	(120,240]	Typical	[175.9,229]
## 847	126.38826	(120,240]	Typical	[71.1,176]
## 848	228.40620	(120,240]	Typical	[175.9,229]
## 849	122.68064	(120,240]	Typical	[71.1,176]
## 850	165.10213	(120,240]	Typical	[71.1,176]
## 851	236.68300	(120,240]	Typical	[229.4,553]
## 852	203.50504	(120,240]	Typical	[175.9,229]
## 853	298.13865	(240,6e+03]	Long	[229.4,553]
## 854	90.30002	(0,120]	Short	[71.1,176]
## 855	217.04403	(120,240]	Typical	[175.9,229]
## 856	218.33677	(120,240]	Typical	[175.9,229]
## 857	166.55568	(120,240]	Typical	[71.1,176]
## 858	261.14381	(240,6e+03]	Long	[229.4,553]
## 859	189.71507	(120,240]	Typical	[175.9,229]
## 860	252.39425	(240,6e+03]	Long	[229.4,553]
## 861	196.85566	(120,240]	Typical	[175.9,229]
## 862	212.01856	(120,240]	Typical	[175.9,229]
## 863	159.87508	(120,240]	Typical	[71.1,176]
## 864	352.71367	(240,6e+03]	Long	[229.4,553]
## 865	244.78154	(240,6e+03]	Long	[229.4,553]
## 866	290.56709	(240,6e+03]	Long	[229.4,553]
## 867	158.48048	(120,240]	Typical	[71.1,176]
## 868	248.60577	(240,6e+03]	Long	[229.4,553]
## 869	121.07935	(120,240]	Typical	[71.1,176]
## 870	163.44657	(120,240]	Typical	[71.1,176]
## 871	230.83387	(120,240]	Typical	[229.4,553]
## 872	194.61621	(120,240]	Typical	[175.9,229]
## 873	238.20924	(120,240]	Typical	[229.4,553]
## 874	215.55252	(120,240]	Typical	[175.9,229]
## 875	253.02963	(240,6e+03]	Long	[229.4,553]
## 876	299.35346	(240,6e+03]	Long	[229.4,553]
## 877	123.18770	(120,240]	Typical	[71.1,176]
## 878	113.74065	(0,120]	Short	[71.1,176]
## 879	217.93732	(120,240]	Typical	[175.9,229]
## 880	249.21089	(240,6e+03]	Long	[229.4,553]
## 881	152.15338	(120,240]	Typical	[71.1,176]
## 882	207.17918	(120,240]	Typical	[175.9,229]
## 883	230.38354	(120,240]	Typical	[229.4,553]
## 884	117.11959	(0,120]	Short	[71.1,176]

## 885	269.39059	(240,6e+03]	Long	[229.4,553]
## 886	373.50943	(240,6e+03]	Long	[229.4,553]
## 887	294.16183	(240,6e+03]	Long	[229.4,553]
## 888	291.69117	(240,6e+03]	Long	[229.4,553]
## 889	122.13899	(120,240]	Typical	[71.1,176]
## 890	276.76130	(240,6e+03]	Long	[229.4,553]
## 891	304.80293	(240,6e+03]	Long	[229.4,553]
## 892	190.47024	(120,240]	Typical	[175.9,229]
## 893	169.59607	(120,240]	Typical	[71.1,176]
## 894	99.94902	(0,120]	Short	[71.1,176]
## 895	151.08885	(120,240]	Typical	[71.1,176]
## 896	176.84600	(120,240]	Typical	[175.9,229]
## 897	164.54499	(120,240]	Typical	[71.1,176]
## 898	251.57564	(240,6e+03]	Long	[229.4,553]
## 899	168.51165	(120,240]	Typical	[71.1,176]
## 900	213.62828	(120,240]	Typical	[175.9,229]
## 901	431.01265	(240,6e+03]	Long	[229.4,553]
## 902	274.98562	(240,6e+03]	Long	[229.4,553]
## 903	194.15263	(120,240]	Typical	[175.9,229]
## 904	170.22566	(120,240]	Typical	[71.1,176]
## 905	225.62935	(120,240]	Typical	[175.9,229]
## 906	351.63454	(240,6e+03]	Long	[229.4,553]
## 907	259.04582	(240,6e+03]	Long	[229.4,553]
## 908	178.56204	(120,240]	Typical	[175.9,229]
## 909	149.56428	(120,240]	Typical	[71.1,176]
## 910	136.28670	(120,240]	Typical	[71.1,176]
## 911	205.04357	(120,240]	Typical	[175.9,229]
## 912	121.53880	(120,240]	Typical	[71.1,176]
## 913	158.38980	(120,240]	Typical	[71.1,176]
## 914	125.95597	(120,240]	Typical	[71.1,176]
## 915	201.78379	(120,240]	Typical	[175.9,229]
## 916	304.40493	(240,6e+03]	Long	[229.4,553]
## 917	206.05425	(120,240]	Typical	[175.9,229]
## 918	189.27277	(120,240]	Typical	[175.9,229]
## 919	154.30570	(120,240]	Typical	[71.1,176]
## 920	166.80989	(120,240]	Typical	[71.1,176]
## 921	163.56685	(120,240]	Typical	[71.1,176]
## 922	155.66213	(120,240]	Typical	[71.1,176]
## 923	155.26068	(120,240]	Typical	[71.1,176]
## 924	501.90477	(240,6e+03]	Long	[229.4,553]
## 925	139.38828	(120,240]	Typical	[71.1,176]
## 926	237.22950	(120,240]	Typical	[229.4,553]
## 927	200.02150	(120,240]	Typical	[175.9,229]
## 928	154.36196	(120,240]	Typical	[71.1,176]
## 929	114.63757	(0,120]	Short	[71.1,176]
## 930	143.64739	(120,240]	Typical	[71.1,176]
## 931	170.43153	(120,240]	Typical	[71.1,176]
## 932	184.27572	(120,240]	Typical	[175.9,229]
## 933	163.45071	(120,240]	Typical	[71.1,176]
## 934	119.28242	(0,120]	Short	[71.1,176]
## 935	251.29183	(240,6e+03]	Long	[229.4,553]
## 936	268.23237	(240,6e+03]	Long	[229.4,553]
## 937	208.07840	(120,240]	Typical	[175.9,229]
## 938	117.76182	(0,120]	Short	[71.1,176]

## 939	288.14379	(240,6e+03]	Long	[229.4,553]
## 940	184.12087	(120,240]	Typical	[175.9,229]
## 941	273.21610	(240,6e+03]	Long	[229.4,553]
## 942	173.74358	(120,240]	Typical	[71.1,176]
## 943	294.53185	(240,6e+03]	Long	[229.4,553]
## 944	162.67324	(120,240]	Typical	[71.1,176]
## 945	178.82921	(120,240]	Typical	[175.9,229]
## 946	173.16910	(120,240]	Typical	[71.1,176]
## 947	199.26533	(120,240]	Typical	[175.9,229]
## 948	151.56364	(120,240]	Typical	[71.1,176]
## 949	136.63202	(120,240]	Typical	[71.1,176]
## 950	213.04658	(120,240]	Typical	[175.9,229]
## 951	252.53684	(240,6e+03]	Long	[229.4,553]
## 952	269.38383	(240,6e+03]	Long	[229.4,553]
## 953	179.59968	(120,240]	Typical	[175.9,229]
## 954	223.36532	(120,240]	Typical	[175.9,229]
## 955	216.19198	(120,240]	Typical	[175.9,229]
## 956	202.40100	(120,240]	Typical	[175.9,229]
## 957	146.09223	(120,240]	Typical	[71.1,176]
## 958	336.51301	(240,6e+03]	Long	[229.4,553]
## 959	195.27874	(120,240]	Typical	[175.9,229]
## 960	233.94357	(120,240]	Typical	[229.4,553]
## 961	212.42618	(120,240]	Typical	[175.9,229]
## 962	155.92686	(120,240]	Typical	[71.1,176]
## 963	174.80803	(120,240]	Typical	[71.1,176]
## 964	145.07181	(120,240]	Typical	[71.1,176]
## 965	194.09438	(120,240]	Typical	[175.9,229]
## 966	226.61295	(120,240]	Typical	[175.9,229]
## 967	196.90783	(120,240]	Typical	[175.9,229]
## 968	143.72837	(120,240]	Typical	[71.1,176]
## 969	265.69340	(240,6e+03]	Long	[229.4,553]
## 970	220.75451	(120,240]	Typical	[175.9,229]
## 971	146.46039	(120,240]	Typical	[71.1,176]
## 972	161.33866	(120,240]	Typical	[71.1,176]
## 973	211.89505	(120,240]	Typical	[175.9,229]
## 974	132.55600	(120,240]	Typical	[71.1,176]
## 975	280.61288	(240,6e+03]	Long	[229.4,553]
## 976	248.30669	(240,6e+03]	Long	[229.4,553]
## 977	137.29870	(120,240]	Typical	[71.1,176]
## 978	251.23513	(240,6e+03]	Long	[229.4,553]
## 979	139.47438	(120,240]	Typical	[71.1,176]
## 980	180.87246	(120,240]	Typical	[175.9,229]
## 981	139.05363	(120,240]	Typical	[71.1,176]
## 982	75.71085	(0,120]	Short	[71.1,176]
## 983	86.62313	(0,120]	Short	[71.1,176]
## 984	291.22583	(240,6e+03]	Long	[229.4,553]
## 985	158.42044	(120,240]	Typical	[71.1,176]
## 986	180.75387	(120,240]	Typical	[175.9,229]
## 987	190.29488	(120,240]	Typical	[175.9,229]
## 988	169.67635	(120,240]	Typical	[71.1,176]
## 989	153.69116	(120,240]	Typical	[71.1,176]
## 990	315.51537	(240,6e+03]	Long	[229.4,553]
## 991	230.99186	(120,240]	Typical	[229.4,553]
## 992	144.04861	(120,240]	Typical	[71.1,176]

## 993	195.54717	(120,240]	Typical	[175.9,229)
## 994	171.82844	(120,240]	Typical	[71.1,176)
## 995	193.53273	(120,240]	Typical	[175.9,229)
## 996	186.12667	(120,240]	Typical	[175.9,229)
## 997	236.52760	(120,240]	Typical	[229.4,553]
## 998	252.06886	(240,6e+03]	Long	[229.4,553]
## 999	235.46826	(120,240]	Typical	[229.4,553]
## 1000	205.23444	(120,240]	Typical	[175.9,229)
## 1001	195.04045	(120,240]	Typical	[175.9,229)
## 1002	258.01538	(240,6e+03]	Long	[229.4,553]
## 1003	247.87507	(240,6e+03]	Long	[229.4,553]
## 1004	194.83487	(120,240]	Typical	[175.9,229)
## 1005	175.60999	(120,240]	Typical	[71.1,176)
## 1006	208.43949	(120,240]	Typical	[175.9,229)
## 1007	191.48550	(120,240]	Typical	[175.9,229)
## 1008	221.68319	(120,240]	Typical	[175.9,229)
## 1009	206.17666	(120,240]	Typical	[175.9,229)
## 1010	200.91212	(120,240]	Typical	[175.9,229)
## 1011	180.04173	(120,240]	Typical	[175.9,229)
## 1012	346.89339	(240,6e+03]	Long	[229.4,553]
## 1013	195.38595	(120,240]	Typical	[175.9,229)
## 1014	253.15122	(240,6e+03]	Long	[229.4,553]
## 1015	187.57403	(120,240]	Typical	[175.9,229)
## 1016	366.20832	(240,6e+03]	Long	[229.4,553]
## 1017	235.04904	(120,240]	Typical	[229.4,553]
## 1018	330.15195	(240,6e+03]	Long	[229.4,553]
## 1019	166.30317	(120,240]	Typical	[71.1,176)
## 1020	145.69703	(120,240]	Typical	[71.1,176)
## 1021	173.86194	(120,240]	Typical	[71.1,176)
## 1022	151.19241	(120,240]	Typical	[71.1,176)
## 1023	340.23631	(240,6e+03]	Long	[229.4,553]
## 1024	205.02681	(120,240]	Typical	[175.9,229)
## 1025	209.65892	(120,240]	Typical	[175.9,229)
## 1026	262.27684	(240,6e+03]	Long	[229.4,553]
## 1027	227.74056	(120,240]	Typical	[175.9,229)
## 1028	287.59264	(240,6e+03]	Long	[229.4,553]
## 1029	176.97458	(120,240]	Typical	[175.9,229)
## 1030	173.29702	(120,240]	Typical	[71.1,176)
## 1031	124.89497	(120,240]	Typical	[71.1,176)
## 1032	277.22099	(240,6e+03]	Long	[229.4,553]
## 1033	233.27685	(120,240]	Typical	[229.4,553]
## 1034	341.99011	(240,6e+03]	Long	[229.4,553]
## 1035	219.03052	(120,240]	Typical	[175.9,229)
## 1036	190.92904	(120,240]	Typical	[175.9,229)
## 1037	257.48832	(240,6e+03]	Long	[229.4,553]
## 1038	253.97919	(240,6e+03]	Long	[229.4,553]
## 1039	131.13268	(120,240]	Typical	[71.1,176)
## 1040	127.66532	(120,240]	Typical	[71.1,176)
## 1041	168.14151	(120,240]	Typical	[71.1,176)
## 1042	302.21802	(240,6e+03]	Long	[229.4,553]
## 1043	230.50322	(120,240]	Typical	[229.4,553]
## 1044	162.68361	(120,240]	Typical	[71.1,176)
## 1045	174.25731	(120,240]	Typical	[71.1,176)
## 1046	221.93490	(120,240]	Typical	[175.9,229)

## 1047	213.99501	(120,240]	Typical	[175.9,229)
## 1048	276.33302	(240,6e+03]	Long	[229.4,553]
## 1049	141.77738	(120,240]	Typical	[71.1,176)
## 1050	166.21119	(120,240]	Typical	[71.1,176)
## 1051	130.15834	(120,240]	Typical	[71.1,176)
## 1052	177.20781	(120,240]	Typical	[175.9,229)
## 1053	275.21580	(240,6e+03]	Long	[229.4,553]
## 1054	236.70205	(120,240]	Typical	[229.4,553]
## 1055	203.85522	(120,240]	Typical	[175.9,229)
## 1056	119.62121	(0,120]	Short	[71.1,176)
## 1057	253.77592	(240,6e+03]	Long	[229.4,553]
## 1058	186.38980	(120,240]	Typical	[175.9,229)
## 1059	189.93691	(120,240]	Typical	[175.9,229)
## 1060	172.67240	(120,240]	Typical	[71.1,176)
## 1061	159.95986	(120,240]	Typical	[71.1,176)
## 1062	187.13311	(120,240]	Typical	[175.9,229)
## 1063	161.50625	(120,240]	Typical	[71.1,176)
## 1064	336.57812	(240,6e+03]	Long	[229.4,553]
## 1065	158.73366	(120,240]	Typical	[71.1,176)
## 1066	191.68816	(120,240]	Typical	[175.9,229)
## 1067	271.81102	(240,6e+03]	Long	[229.4,553]
## 1068	104.74461	(0,120]	Short	[71.1,176)
## 1069	159.64553	(120,240]	Typical	[71.1,176)
## 1070	204.64395	(120,240]	Typical	[175.9,229)
## 1071	274.76553	(240,6e+03]	Long	[229.4,553]
## 1072	197.59481	(120,240]	Typical	[175.9,229)
## 1073	306.65079	(240,6e+03]	Long	[229.4,553]
## 1074	275.43888	(240,6e+03]	Long	[229.4,553]
## 1075	173.42392	(120,240]	Typical	[71.1,176)
## 1076	320.77826	(240,6e+03]	Long	[229.4,553]
## 1077	222.19811	(120,240]	Typical	[175.9,229)
## 1078	139.00938	(120,240]	Typical	[71.1,176)
## 1079	155.28953	(120,240]	Typical	[71.1,176)
## 1080	255.55865	(240,6e+03]	Long	[229.4,553]
## 1081	160.80712	(120,240]	Typical	[71.1,176)
## 1082	228.27290	(120,240]	Typical	[175.9,229)
## 1083	177.18981	(120,240]	Typical	[175.9,229)
## 1084	142.41064	(120,240]	Typical	[71.1,176)
## 1085	242.26604	(240,6e+03]	Long	[229.4,553]
## 1086	200.34248	(120,240]	Typical	[175.9,229)
## 1087	208.14240	(120,240]	Typical	[175.9,229)
## 1088	258.28861	(240,6e+03]	Long	[229.4,553]
## 1089	251.47026	(240,6e+03]	Long	[229.4,553]
## 1090	294.13561	(240,6e+03]	Long	[229.4,553]
## 1091	240.37522	(240,6e+03]	Long	[229.4,553]
## 1092	257.74551	(240,6e+03]	Long	[229.4,553]
## 1093	213.04810	(120,240]	Typical	[175.9,229)
## 1094	245.97573	(240,6e+03]	Long	[229.4,553]
## 1095	140.63620	(120,240]	Typical	[71.1,176)
## 1096	251.03749	(240,6e+03]	Long	[229.4,553]
## 1097	268.74072	(240,6e+03]	Long	[229.4,553]
## 1098	129.69214	(120,240]	Typical	[71.1,176)
## 1099	153.20918	(120,240]	Typical	[71.1,176)
## 1100	275.96582	(240,6e+03]	Long	[229.4,553]

## 1101	149.01298	(120,240]	Typical	[71.1,176)
## 1102	194.56342	(120,240]	Typical	[175.9,229)
## 1103	259.20397	(240,6e+03]	Long	[229.4,553]
## 1104	189.55418	(120,240]	Typical	[175.9,229)
## 1105	214.89857	(120,240]	Typical	[175.9,229)
## 1106	174.38110	(120,240]	Typical	[71.1,176)
## 1107	245.71240	(240,6e+03]	Long	[229.4,553]
## 1108	263.82791	(240,6e+03]	Long	[229.4,553]
## 1109	258.52815	(240,6e+03]	Long	[229.4,553]
## 1110	283.20591	(240,6e+03]	Long	[229.4,553]
## 1111	149.12372	(120,240]	Typical	[71.1,176)
## 1112	208.67128	(120,240]	Typical	[175.9,229)
## 1113	406.62765	(240,6e+03]	Long	[229.4,553]
## 1114	309.31984	(240,6e+03]	Long	[229.4,553]
## 1115	205.35126	(120,240]	Typical	[175.9,229)
## 1116	144.80935	(120,240]	Typical	[71.1,176)
## 1117	188.24171	(120,240]	Typical	[175.9,229)
## 1118	189.41339	(120,240]	Typical	[175.9,229)
## 1119	207.00102	(120,240]	Typical	[175.9,229)
## 1120	167.24721	(120,240]	Typical	[71.1,176)
## 1121	199.61253	(120,240]	Typical	[175.9,229)
## 1122	202.12391	(120,240]	Typical	[175.9,229)
## 1123	154.69263	(120,240]	Typical	[71.1,176)
## 1124	264.55681	(240,6e+03]	Long	[229.4,553]
## 1125	159.55856	(120,240]	Typical	[71.1,176)
## 1126	162.72165	(120,240]	Typical	[71.1,176)
## 1127	148.27805	(120,240]	Typical	[71.1,176)
## 1128	203.10998	(120,240]	Typical	[175.9,229)
## 1129	165.40499	(120,240]	Typical	[71.1,176)
## 1130	205.87431	(120,240]	Typical	[175.9,229)
## 1131	235.28909	(120,240]	Typical	[229.4,553]
## 1132	137.15428	(120,240]	Typical	[71.1,176)
## 1133	97.35392	(0,120]	Short	[71.1,176)
## 1134	172.96353	(120,240]	Typical	[71.1,176)
## 1135	226.06707	(120,240]	Typical	[175.9,229)
## 1136	128.78371	(120,240]	Typical	[71.1,176)
## 1137	300.28458	(240,6e+03]	Long	[229.4,553]
## 1138	251.12738	(240,6e+03]	Long	[229.4,553]
## 1139	263.88055	(240,6e+03]	Long	[229.4,553]
## 1140	195.92947	(120,240]	Typical	[175.9,229)
## 1141	132.20802	(120,240]	Typical	[71.1,176)
## 1142	177.08456	(120,240]	Typical	[175.9,229)
## 1143	258.55769	(240,6e+03]	Long	[229.4,553]
## 1144	206.36365	(120,240]	Typical	[175.9,229)
## 1145	213.96173	(120,240]	Typical	[175.9,229)
## 1146	216.98967	(120,240]	Typical	[175.9,229)
## 1147	286.87341	(240,6e+03]	Long	[229.4,553]
## 1148	241.68552	(240,6e+03]	Long	[229.4,553]
## 1149	227.56664	(120,240]	Typical	[175.9,229)
## 1150	270.59234	(240,6e+03]	Long	[229.4,553]
## 1151	298.25306	(240,6e+03]	Long	[229.4,553]
## 1152	235.29787	(120,240]	Typical	[229.4,553]
## 1153	230.19274	(120,240]	Typical	[229.4,553]
## 1154	291.30017	(240,6e+03]	Long	[229.4,553]

## 1155	192.11528	(120,240]	Typical	[175.9,229)
## 1156	268.31777	(240,6e+03]	Long	[229.4,553]
## 1157	179.02173	(120,240]	Typical	[175.9,229)
## 1158	108.18440	(0,120]	Short	[71.1,176)
## 1159	136.92389	(120,240]	Typical	[71.1,176)
## 1160	296.10152	(240,6e+03]	Long	[229.4,553]
## 1161	254.33752	(240,6e+03]	Long	[229.4,553]
## 1162	247.89244	(240,6e+03]	Long	[229.4,553]
## 1163	127.81836	(120,240]	Typical	[71.1,176)
## 1164	249.59138	(240,6e+03]	Long	[229.4,553]
## 1165	141.82116	(120,240]	Typical	[71.1,176)
## 1166	326.73333	(240,6e+03]	Long	[229.4,553]
## 1167	169.18014	(120,240]	Typical	[71.1,176)
## 1168	197.70144	(120,240]	Typical	[175.9,229)
## 1169	181.26917	(120,240]	Typical	[175.9,229)
## 1170	134.58703	(120,240]	Typical	[71.1,176)
## 1171	202.29811	(120,240]	Typical	[175.9,229)
## 1172	201.64854	(120,240]	Typical	[175.9,229)
## 1173	248.79355	(240,6e+03]	Long	[229.4,553]
## 1174	267.01038	(240,6e+03]	Long	[229.4,553]
## 1175	317.61743	(240,6e+03]	Long	[229.4,553]
## 1176	181.42790	(120,240]	Typical	[175.9,229)
## 1177	186.74602	(120,240]	Typical	[175.9,229)
## 1178	245.90900	(240,6e+03]	Long	[229.4,553]
## 1179	302.28152	(240,6e+03]	Long	[229.4,553]
## 1180	181.61821	(120,240]	Typical	[175.9,229)
## 1181	184.93687	(120,240]	Typical	[175.9,229)
## 1182	239.81719	(120,240]	Typical	[229.4,553]
## 1183	259.05495	(240,6e+03]	Long	[229.4,553]
## 1184	151.36617	(120,240]	Typical	[71.1,176)
## 1185	258.17337	(240,6e+03]	Long	[229.4,553]
## 1186	213.58318	(120,240]	Typical	[175.9,229)
## 1187	287.33548	(240,6e+03]	Long	[229.4,553]
## 1188	278.76871	(240,6e+03]	Long	[229.4,553]
## 1189	164.80183	(120,240]	Typical	[71.1,176)
## 1190	140.97227	(120,240]	Typical	[71.1,176)
## 1191	178.91144	(120,240]	Typical	[175.9,229)
## 1192	376.66895	(240,6e+03]	Long	[229.4,553]
## 1193	144.51025	(120,240]	Typical	[71.1,176)
## 1194	231.91003	(120,240]	Typical	[229.4,553]
## 1195	191.94354	(120,240]	Typical	[175.9,229)
## 1196	167.56562	(120,240]	Typical	[71.1,176)
## 1197	342.81804	(240,6e+03]	Long	[229.4,553]
## 1198	259.93132	(240,6e+03]	Long	[229.4,553]
## 1199	217.05724	(120,240]	Typical	[175.9,229)
## 1200	198.56077	(120,240]	Typical	[175.9,229)
## 1201	125.08757	(120,240]	Typical	[71.1,176)
## 1202	190.62941	(120,240]	Typical	[175.9,229)
## 1203	248.86522	(240,6e+03]	Long	[229.4,553]
## 1204	89.74464	(0,120]	Short	[71.1,176)
## 1205	257.05807	(240,6e+03]	Long	[229.4,553]
## 1206	269.93069	(240,6e+03]	Long	[229.4,553]
## 1207	235.19250	(120,240]	Typical	[229.4,553]
## 1208	201.53968	(120,240]	Typical	[175.9,229)

## 1209	252.08697	(240,6e+03]	Long	[229.4,553]
## 1210	161.01519	(120,240]	Typical	[71.1,176)
## 1211	268.72088	(240,6e+03]	Long	[229.4,553]
## 1212	310.90835	(240,6e+03]	Long	[229.4,553]
## 1213	218.60562	(120,240]	Typical	[175.9,229)
## 1214	157.14231	(120,240]	Typical	[71.1,176)
## 1215	185.32655	(120,240]	Typical	[175.9,229)
## 1216	142.34041	(120,240]	Typical	[71.1,176)
## 1217	168.47559	(120,240]	Typical	[71.1,176)
## 1218	168.73622	(120,240]	Typical	[71.1,176)
## 1219	161.79290	(120,240]	Typical	[71.1,176)
## 1220	162.96771	(120,240]	Typical	[71.1,176)
## 1221	225.27005	(120,240]	Typical	[175.9,229)
## 1222	88.04416	(0,120]	Short	[71.1,176)
## 1223	197.30019	(120,240]	Typical	[175.9,229)
## 1224	153.16018	(120,240]	Typical	[71.1,176)
## 1225	212.14883	(120,240]	Typical	[175.9,229)
## 1226	188.51472	(120,240]	Typical	[175.9,229)
## 1227	282.06012	(240,6e+03]	Long	[229.4,553]
## 1228	173.74741	(120,240]	Typical	[71.1,176)
## 1229	263.21292	(240,6e+03]	Long	[229.4,553]
## 1230	184.59311	(120,240]	Typical	[175.9,229)
## 1231	198.71415	(120,240]	Typical	[175.9,229)
## 1232	197.64896	(120,240]	Typical	[175.9,229)
## 1233	152.94510	(120,240]	Typical	[71.1,176)
## 1234	155.17289	(120,240]	Typical	[71.1,176)
## 1235	191.59394	(120,240]	Typical	[175.9,229)
## 1236	140.53449	(120,240]	Typical	[71.1,176)
## 1237	178.18524	(120,240]	Typical	[175.9,229)
## 1238	135.65539	(120,240]	Typical	[71.1,176)
## 1239	111.22610	(0,120]	Short	[71.1,176)
## 1240	225.24626	(120,240]	Typical	[175.9,229)
## 1241	169.47087	(120,240]	Typical	[71.1,176)
## 1242	324.50598	(240,6e+03]	Long	[229.4,553]
## 1243	242.30057	(240,6e+03]	Long	[229.4,553]
## 1244	281.57838	(240,6e+03]	Long	[229.4,553]
## 1245	268.33336	(240,6e+03]	Long	[229.4,553]
## 1246	219.08000	(120,240]	Typical	[175.9,229)
## 1247	174.80914	(120,240]	Typical	[71.1,176)
## 1248	230.66108	(120,240]	Typical	[229.4,553]
## 1249	170.82267	(120,240]	Typical	[71.1,176)
## 1250	226.97347	(120,240]	Typical	[175.9,229)
## 1251	172.86111	(120,240]	Typical	[71.1,176)
## 1252	247.99618	(240,6e+03]	Long	[229.4,553]
## 1253	225.84278	(120,240]	Typical	[175.9,229)
## 1254	181.98939	(120,240]	Typical	[175.9,229)
## 1255	337.04192	(240,6e+03]	Long	[229.4,553]
## 1256	234.73854	(120,240]	Typical	[229.4,553]
## 1257	294.26062	(240,6e+03]	Long	[229.4,553]
## 1258	215.20287	(120,240]	Typical	[175.9,229)
## 1259	325.19818	(240,6e+03]	Long	[229.4,553]
## 1260	250.85337	(240,6e+03]	Long	[229.4,553]
## 1261	200.73692	(120,240]	Typical	[175.9,229)
## 1262	162.63476	(120,240]	Typical	[71.1,176)

## 1263	82.36344	(0,120]	Short	[71.1,176)
## 1264	220.26818	(120,240]	Typical	[175.9,229)
## 1265	216.27264	(120,240]	Typical	[175.9,229)
## 1266	205.37505	(120,240]	Typical	[175.9,229)
## 1267	281.00416	(240,6e+03]	Long	[229.4,553]
## 1268	181.55495	(120,240]	Typical	[175.9,229)
## 1269	219.54579	(120,240]	Typical	[175.9,229)
## 1270	297.83755	(240,6e+03]	Long	[229.4,553]
## 1271	233.49485	(120,240]	Typical	[229.4,553]
## 1272	344.80118	(240,6e+03]	Long	[229.4,553]
## 1273	265.76892	(240,6e+03]	Long	[229.4,553]
## 1274	166.19141	(120,240]	Typical	[71.1,176)
## 1275	213.71814	(120,240]	Typical	[175.9,229)
## 1276	228.82163	(120,240]	Typical	[175.9,229)
## 1277	201.40354	(120,240]	Typical	[175.9,229)
## 1278	223.60588	(120,240]	Typical	[175.9,229)
## 1279	319.06853	(240,6e+03]	Long	[229.4,553]
## 1280	177.18494	(120,240]	Typical	[175.9,229)
## 1281	162.05704	(120,240]	Typical	[71.1,176)
## 1282	195.95608	(120,240]	Typical	[175.9,229)
## 1283	143.24367	(120,240]	Typical	[71.1,176)
## 1284	217.33950	(120,240]	Typical	[175.9,229)
## 1285	253.82663	(240,6e+03]	Long	[229.4,553]
## 1286	244.79601	(240,6e+03]	Long	[229.4,553]
## 1287	206.36103	(120,240]	Typical	[175.9,229)
## 1288	326.85691	(240,6e+03]	Long	[229.4,553]
## 1289	202.04154	(120,240]	Typical	[175.9,229)
## 1290	132.69148	(120,240]	Typical	[71.1,176)
## 1291	268.11934	(240,6e+03]	Long	[229.4,553]
## 1292	191.54811	(120,240]	Typical	[175.9,229)
## 1293	241.07599	(240,6e+03]	Long	[229.4,553]
## 1294	224.31211	(120,240]	Typical	[175.9,229)
## 1295	176.43077	(120,240]	Typical	[175.9,229)
## 1296	225.13163	(120,240]	Typical	[175.9,229)
## 1297	153.41174	(120,240]	Typical	[71.1,176)
## 1298	137.40691	(120,240]	Typical	[71.1,176)
## 1299	191.20474	(120,240]	Typical	[175.9,229)
## 1300	222.13448	(120,240]	Typical	[175.9,229)
## 1301	238.47510	(120,240]	Typical	[229.4,553]
## 1302	176.32383	(120,240]	Typical	[175.9,229)
## 1303	278.95516	(240,6e+03]	Long	[229.4,553]
## 1304	119.94906	(0,120]	Short	[71.1,176)
## 1305	271.45010	(240,6e+03]	Long	[229.4,553]
## 1306	284.36380	(240,6e+03]	Long	[229.4,553]
## 1307	220.18311	(120,240]	Typical	[175.9,229)
## 1308	110.39004	(0,120]	Short	[71.1,176)
## 1309	137.53943	(120,240]	Typical	[71.1,176)
## 1310	150.42625	(120,240]	Typical	[71.1,176)
## 1311	168.11075	(120,240]	Typical	[71.1,176)
## 1312	242.55689	(240,6e+03]	Long	[229.4,553]
## 1313	270.44970	(240,6e+03]	Long	[229.4,553]
## 1314	136.68988	(120,240]	Typical	[71.1,176)
## 1315	237.69705	(120,240]	Typical	[229.4,553]
## 1316	240.58016	(240,6e+03]	Long	[229.4,553]

## 1317	173.20612	(120,240]	Typical	[71.1,176)
## 1318	287.55197	(240,6e+03]	Long	[229.4,553]
## 1319	279.68953	(240,6e+03]	Long	[229.4,553]
## 1320	150.48073	(120,240]	Typical	[71.1,176)
## 1321	346.60887	(240,6e+03]	Long	[229.4,553]
## 1322	297.83982	(240,6e+03]	Long	[229.4,553]
## 1323	245.33312	(240,6e+03]	Long	[229.4,553]
## 1324	257.26383	(240,6e+03]	Long	[229.4,553]
## 1325	95.74545	(0,120]	Short	[71.1,176)
## 1326	165.99290	(120,240]	Typical	[71.1,176)
## 1327	247.01631	(240,6e+03]	Long	[229.4,553]
## 1328	410.21182	(240,6e+03]	Long	[229.4,553]
## 1329	214.51695	(120,240]	Typical	[175.9,229)
## 1330	234.32897	(120,240]	Typical	[229.4,553]
## 1331	181.49942	(120,240]	Typical	[175.9,229)
## 1332	138.80714	(120,240]	Typical	[71.1,176)
## 1333	166.02978	(120,240]	Typical	[71.1,176)
## 1334	235.87636	(120,240]	Typical	[229.4,553]
## 1335	204.39501	(120,240]	Typical	[175.9,229)
## 1336	204.13425	(120,240]	Typical	[175.9,229)
## 1337	151.54439	(120,240]	Typical	[71.1,176)
## 1338	365.17136	(240,6e+03]	Long	[229.4,553]
## 1339	236.78604	(120,240]	Typical	[229.4,553]
## 1340	247.57930	(240,6e+03]	Long	[229.4,553]
## 1341	121.16548	(120,240]	Typical	[71.1,176)
## 1342	117.38640	(0,120]	Short	[71.1,176)
## 1343	199.34276	(120,240]	Typical	[175.9,229)
## 1344	139.48154	(120,240]	Typical	[71.1,176)
## 1345	172.38959	(120,240]	Typical	[71.1,176)
## 1346	281.20645	(240,6e+03]	Long	[229.4,553]
## 1347	198.77041	(120,240]	Typical	[175.9,229)
## 1348	187.21792	(120,240]	Typical	[175.9,229)
## 1349	134.43589	(120,240]	Typical	[71.1,176)
## 1350	218.90629	(120,240]	Typical	[175.9,229)
## 1351	249.56716	(240,6e+03]	Long	[229.4,553]
## 1352	217.95785	(120,240]	Typical	[175.9,229)
## 1353	204.78049	(120,240]	Typical	[175.9,229)
## 1354	208.97158	(120,240]	Typical	[175.9,229)
## 1355	244.29577	(240,6e+03]	Long	[229.4,553]
## 1356	215.40068	(120,240]	Typical	[175.9,229)
## 1357	133.32842	(120,240]	Typical	[71.1,176)
## 1358	192.63510	(120,240]	Typical	[175.9,229)
## 1359	149.39482	(120,240]	Typical	[71.1,176)
## 1360	217.67661	(120,240]	Typical	[175.9,229)
## 1361	162.06606	(120,240]	Typical	[71.1,176)
## 1362	188.97699	(120,240]	Typical	[175.9,229)
## 1363	105.61813	(0,120]	Short	[71.1,176)
## 1364	154.25857	(120,240]	Typical	[71.1,176)
## 1365	309.21265	(240,6e+03]	Long	[229.4,553]
## 1366	242.34164	(240,6e+03]	Long	[229.4,553]
## 1367	197.32569	(120,240]	Typical	[175.9,229)
## 1368	186.00817	(120,240]	Typical	[175.9,229)
## 1369	177.61799	(120,240]	Typical	[175.9,229)
## 1370	180.97903	(120,240]	Typical	[175.9,229)

## 1371	208.15080	(120,240]	Typical	[175.9,229)
## 1372	104.29312	(0,120]	Short	[71.1,176)
## 1373	160.56055	(120,240]	Typical	[71.1,176)
## 1374	229.26818	(120,240]	Typical	[175.9,229)
## 1375	218.94052	(120,240]	Typical	[175.9,229)
## 1376	227.90145	(120,240]	Typical	[175.9,229)
## 1377	178.17597	(120,240]	Typical	[175.9,229)
## 1378	274.09850	(240,6e+03]	Long	[229.4,553]
## 1379	179.36117	(120,240]	Typical	[175.9,229)
## 1380	172.12002	(120,240]	Typical	[71.1,176)
## 1381	167.03669	(120,240]	Typical	[71.1,176)
## 1382	126.94100	(120,240]	Typical	[71.1,176)
## 1383	236.86476	(120,240]	Typical	[229.4,553]
## 1384	141.87992	(120,240]	Typical	[71.1,176)
## 1385	160.57057	(120,240]	Typical	[71.1,176)
## 1386	176.43529	(120,240]	Typical	[175.9,229)
## 1387	188.20799	(120,240]	Typical	[175.9,229)
## 1388	212.00426	(120,240]	Typical	[175.9,229)
## 1389	237.20965	(120,240]	Typical	[229.4,553]
## 1390	170.04375	(120,240]	Typical	[71.1,176)
## 1391	330.01147	(240,6e+03]	Long	[229.4,553]
## 1392	263.52543	(240,6e+03]	Long	[229.4,553]
## 1393	217.38756	(120,240]	Typical	[175.9,229)
## 1394	249.95992	(240,6e+03]	Long	[229.4,553]
## 1395	232.98916	(120,240]	Typical	[229.4,553]
## 1396	117.73129	(0,120]	Short	[71.1,176)
## 1397	238.04966	(120,240]	Typical	[229.4,553]
## 1398	319.21831	(240,6e+03]	Long	[229.4,553]
## 1399	130.94129	(120,240]	Typical	[71.1,176)
## 1400	162.51274	(120,240]	Typical	[71.1,176)
## 1401	142.66684	(120,240]	Typical	[71.1,176)
## 1402	134.98985	(120,240]	Typical	[71.1,176)
## 1403	106.99356	(0,120]	Short	[71.1,176)
## 1404	172.74564	(120,240]	Typical	[71.1,176)
## 1405	158.67180	(120,240]	Typical	[71.1,176)
## 1406	144.54975	(120,240]	Typical	[71.1,176)
## 1407	192.67150	(120,240]	Typical	[175.9,229)
## 1408	173.41725	(120,240]	Typical	[71.1,176)
## 1409	209.92558	(120,240]	Typical	[175.9,229)
## 1410	145.10303	(120,240]	Typical	[71.1,176)
## 1411	94.61582	(0,120]	Short	[71.1,176)
## 1412	231.29448	(120,240]	Typical	[229.4,553]
## 1413	225.70013	(120,240]	Typical	[175.9,229)
## 1414	268.98951	(240,6e+03]	Long	[229.4,553]
## 1415	148.50347	(120,240]	Typical	[71.1,176)
## 1416	150.85342	(120,240]	Typical	[71.1,176)
## 1417	233.64210	(120,240]	Typical	[229.4,553]
## 1418	139.74646	(120,240]	Typical	[71.1,176)
## 1419	199.46726	(120,240]	Typical	[175.9,229)
## 1420	210.55758	(120,240]	Typical	[175.9,229)
## 1421	106.54327	(0,120]	Short	[71.1,176)
## 1422	125.45907	(120,240]	Typical	[71.1,176)
## 1423	154.24362	(120,240]	Typical	[71.1,176)
## 1424	114.92884	(0,120]	Short	[71.1,176)

## 1425	201.69034	(120,240]	Typical	[175.9,229)
## 1426	255.68184	(240,6e+03]	Long	[229.4,553]
## 1427	236.88415	(120,240]	Typical	[229.4,553]
## 1428	162.13774	(120,240]	Typical	[71.1,176)
## 1429	178.90974	(120,240]	Typical	[175.9,229)
## 1430	208.87805	(120,240]	Typical	[175.9,229)
## 1431	150.91410	(120,240]	Typical	[71.1,176)
## 1432	121.96025	(120,240]	Typical	[71.1,176)
## 1433	320.60507	(240,6e+03]	Long	[229.4,553]
## 1434	126.61799	(120,240]	Typical	[71.1,176)
## 1435	256.97887	(240,6e+03]	Long	[229.4,553]
## 1436	153.33452	(120,240]	Typical	[71.1,176)
## 1437	193.73339	(120,240]	Typical	[175.9,229)
## 1438	163.16419	(120,240]	Typical	[71.1,176)
## 1439	179.25447	(120,240]	Typical	[175.9,229)
## 1440	213.44322	(120,240]	Typical	[175.9,229)
## 1441	185.79533	(120,240]	Typical	[175.9,229)
## 1442	286.45476	(240,6e+03]	Long	[229.4,553]
## 1443	254.30458	(240,6e+03]	Long	[229.4,553]
## 1444	123.63739	(120,240]	Typical	[71.1,176)
## 1445	299.10276	(240,6e+03]	Long	[229.4,553]
## 1446	188.70781	(120,240]	Typical	[175.9,229)
## 1447	168.21309	(120,240]	Typical	[71.1,176)
## 1448	196.84939	(120,240]	Typical	[175.9,229)
## 1449	183.02770	(120,240]	Typical	[175.9,229)
## 1450	372.12019	(240,6e+03]	Long	[229.4,553]
## 1451	228.94330	(120,240]	Typical	[175.9,229)
## 1452	149.74850	(120,240]	Typical	[71.1,176)
## 1453	197.68833	(120,240]	Typical	[175.9,229)
## 1454	223.95652	(120,240]	Typical	[175.9,229)
## 1455	158.19249	(120,240]	Typical	[71.1,176)
## 1456	117.92670	(0,120]	Short	[71.1,176)
## 1457	166.64378	(120,240]	Typical	[71.1,176)
## 1458	181.23628	(120,240]	Typical	[175.9,229)
## 1459	190.47502	(120,240]	Typical	[175.9,229)
## 1460	263.21011	(240,6e+03]	Long	[229.4,553]
## 1461	278.44730	(240,6e+03]	Long	[229.4,553]
## 1462	272.41863	(240,6e+03]	Long	[229.4,553]
## 1463	227.49249	(120,240]	Typical	[175.9,229)
## 1464	94.98739	(0,120]	Short	[71.1,176)
## 1465	175.63575	(120,240]	Typical	[71.1,176)
## 1466	165.96646	(120,240]	Typical	[71.1,176)
## 1467	303.70593	(240,6e+03]	Long	[229.4,553]
## 1468	201.37655	(120,240]	Typical	[175.9,229)
## 1469	208.83188	(120,240]	Typical	[175.9,229)
## 1470	335.97867	(240,6e+03]	Long	[229.4,553]
## 1471	180.31873	(120,240]	Typical	[175.9,229)
## 1472	157.85280	(120,240]	Typical	[71.1,176)
## 1473	121.21731	(120,240]	Typical	[71.1,176)
## 1474	323.69016	(240,6e+03]	Long	[229.4,553]
## 1475	252.06552	(240,6e+03]	Long	[229.4,553]
## 1476	267.86782	(240,6e+03]	Long	[229.4,553]
## 1477	231.58742	(120,240]	Typical	[229.4,553]
## 1478	196.15398	(120,240]	Typical	[175.9,229)

## 1479	210.61793	(120,240]	Typical	[175.9,229)
## 1480	153.34611	(120,240]	Typical	[71.1,176)
## 1481	181.99790	(120,240]	Typical	[175.9,229)
## 1482	188.81604	(120,240]	Typical	[175.9,229)
## 1483	272.39333	(240,6e+03]	Long	[229.4,553]
## 1484	420.09739	(240,6e+03]	Long	[229.4,553]
## 1485	138.56658	(120,240]	Typical	[71.1,176)
## 1486	287.20915	(240,6e+03]	Long	[229.4,553]
## 1487	178.67917	(120,240]	Typical	[175.9,229)
## 1488	258.38203	(240,6e+03]	Long	[229.4,553]
## 1489	123.20898	(120,240]	Typical	[71.1,176)
## 1490	282.95267	(240,6e+03]	Long	[229.4,553]
## 1491	211.16645	(120,240]	Typical	[175.9,229)
## 1492	213.23655	(120,240]	Typical	[175.9,229)
## 1493	155.05417	(120,240]	Typical	[71.1,176)
## 1494	268.32987	(240,6e+03]	Long	[229.4,553]
## 1495	219.24507	(120,240]	Typical	[175.9,229)
## 1496	200.12335	(120,240]	Typical	[175.9,229)
## 1497	241.22124	(240,6e+03]	Long	[229.4,553]
## 1498	154.15798	(120,240]	Typical	[71.1,176)
## 1499	249.18639	(240,6e+03]	Long	[229.4,553]
## 1500	226.69416	(120,240]	Typical	[175.9,229)
## 1501	197.68858	(120,240]	Typical	[175.9,229)
## 1502	193.94098	(120,240]	Typical	[175.9,229)
## 1503	263.45905	(240,6e+03]	Long	[229.4,553]
## 1504	105.42771	(0,120]	Short	[71.1,176)
## 1505	254.29395	(240,6e+03]	Long	[229.4,553]
## 1506	101.36535	(0,120]	Short	[71.1,176)
## 1507	274.76187	(240,6e+03]	Long	[229.4,553]
## 1508	267.15046	(240,6e+03]	Long	[229.4,553]
## 1509	213.00999	(120,240]	Typical	[175.9,229)
## 1510	155.70301	(120,240]	Typical	[71.1,176)
## 1511	215.02397	(120,240]	Typical	[175.9,229)
## 1512	145.42306	(120,240]	Typical	[71.1,176)
## 1513	126.32004	(120,240]	Typical	[71.1,176)
## 1514	205.33994	(120,240]	Typical	[175.9,229)
## 1515	190.37622	(120,240]	Typical	[175.9,229)
## 1516	204.51904	(120,240]	Typical	[175.9,229)
## 1517	132.45230	(120,240]	Typical	[71.1,176)
## 1518	189.40684	(120,240]	Typical	[175.9,229)
## 1519	237.90031	(120,240]	Typical	[229.4,553]
## 1520	246.82626	(240,6e+03]	Long	[229.4,553]
## 1521	167.73181	(120,240]	Typical	[71.1,176)
## 1522	192.63483	(120,240]	Typical	[175.9,229)
## 1523	216.13438	(120,240]	Typical	[175.9,229)
## 1524	169.90426	(120,240]	Typical	[71.1,176)
## 1525	119.96976	(0,120]	Short	[71.1,176)
## 1526	203.21283	(120,240]	Typical	[175.9,229)
## 1527	184.95395	(120,240]	Typical	[175.9,229)
## 1528	320.94698	(240,6e+03]	Long	[229.4,553]
## 1529	110.83928	(0,120]	Short	[71.1,176)
## 1530	102.16201	(0,120]	Short	[71.1,176)
## 1531	145.03330	(120,240]	Typical	[71.1,176)
## 1532	154.42942	(120,240]	Typical	[71.1,176)

## 1533	191.44384	(120,240]	Typical	[175.9,229)
## 1534	195.13951	(120,240]	Typical	[175.9,229)
## 1535	114.85664	(0,120]	Short	[71.1,176)
## 1536	233.13367	(120,240]	Typical	[229.4,553]
## 1537	142.54636	(120,240]	Typical	[71.1,176)
## 1538	141.04216	(120,240]	Typical	[71.1,176)
## 1539	219.52421	(120,240]	Typical	[175.9,229)
## 1540	239.23116	(120,240]	Typical	[229.4,553]
## 1541	198.28346	(120,240]	Typical	[175.9,229)
## 1542	253.15897	(240,6e+03]	Long	[229.4,553]
## 1543	217.15288	(120,240]	Typical	[175.9,229)
## 1544	189.52027	(120,240]	Typical	[175.9,229)
## 1545	219.13465	(120,240]	Typical	[175.9,229)
## 1546	191.77918	(120,240]	Typical	[175.9,229)
## 1547	191.92601	(120,240]	Typical	[175.9,229)
## 1548	149.79752	(120,240]	Typical	[71.1,176)
## 1549	127.99073	(120,240]	Typical	[71.1,176)
## 1550	163.35398	(120,240]	Typical	[71.1,176)
## 1551	317.31643	(240,6e+03]	Long	[229.4,553]
## 1552	213.81575	(120,240]	Typical	[175.9,229)
## 1553	208.74131	(120,240]	Typical	[175.9,229)
## 1554	174.49920	(120,240]	Typical	[71.1,176)
## 1555	178.61197	(120,240]	Typical	[175.9,229)
## 1556	438.02551	(240,6e+03]	Long	[229.4,553]
## 1557	181.84627	(120,240]	Typical	[175.9,229)
## 1558	161.95246	(120,240]	Typical	[71.1,176)
## 1559	325.63984	(240,6e+03]	Long	[229.4,553]
## 1560	251.68675	(240,6e+03]	Long	[229.4,553]
## 1561	106.89696	(0,120]	Short	[71.1,176)
## 1562	205.92322	(120,240]	Typical	[175.9,229)
## 1563	154.02139	(120,240]	Typical	[71.1,176)
## 1564	246.61919	(240,6e+03]	Long	[229.4,553]
## 1565	205.31127	(120,240]	Typical	[175.9,229)
## 1566	226.25178	(120,240]	Typical	[175.9,229)
## 1567	240.21988	(240,6e+03]	Long	[229.4,553]
## 1568	264.42605	(240,6e+03]	Long	[229.4,553]
## 1569	159.36969	(120,240]	Typical	[71.1,176)
## 1570	160.37295	(120,240]	Typical	[71.1,176)
## 1571	229.28997	(120,240]	Typical	[175.9,229)
## 1572	194.10277	(120,240]	Typical	[175.9,229)
## 1573	195.39136	(120,240]	Typical	[175.9,229)
## 1574	192.24090	(120,240]	Typical	[175.9,229)
## 1575	236.25130	(120,240]	Typical	[229.4,553]
## 1576	230.09705	(120,240]	Typical	[229.4,553]
## 1577	148.04415	(120,240]	Typical	[71.1,176)
## 1578	260.80617	(240,6e+03]	Long	[229.4,553]
## 1579	214.78506	(120,240]	Typical	[175.9,229)
## 1580	412.18760	(240,6e+03]	Long	[229.4,553]
## 1581	363.65262	(240,6e+03]	Long	[229.4,553]
## 1582	233.42925	(120,240]	Typical	[229.4,553]
## 1583	236.70787	(120,240]	Typical	[229.4,553]
## 1584	327.09274	(240,6e+03]	Long	[229.4,553]
## 1585	227.02980	(120,240]	Typical	[175.9,229)
## 1586	132.62574	(120,240]	Typical	[71.1,176)

## 1587	155.07831	(120,240]	Typical	[71.1,176)
## 1588	276.91434	(240,6e+03]	Long	[229.4,553]
## 1589	137.08523	(120,240]	Typical	[71.1,176)
## 1590	111.99945	(0,120]	Short	[71.1,176)
## 1591	249.79256	(240,6e+03]	Long	[229.4,553]
## 1592	154.33575	(120,240]	Typical	[71.1,176)
## 1593	209.50852	(120,240]	Typical	[175.9,229)
## 1594	113.71769	(0,120]	Short	[71.1,176)
## 1595	176.82460	(120,240]	Typical	[175.9,229)
## 1596	238.47982	(120,240]	Typical	[229.4,553]
## 1597	180.84944	(120,240]	Typical	[175.9,229)
## 1598	171.24733	(120,240]	Typical	[71.1,176)
## 1599	153.67474	(120,240]	Typical	[71.1,176)
## 1600	160.03079	(120,240]	Typical	[71.1,176)
## 1601	212.23504	(120,240]	Typical	[175.9,229)
## 1602	159.99338	(120,240]	Typical	[71.1,176)
## 1603	203.81500	(120,240]	Typical	[175.9,229)
## 1604	129.29941	(120,240]	Typical	[71.1,176)
## 1605	272.82140	(240,6e+03]	Long	[229.4,553]
## 1606	172.55721	(120,240]	Typical	[71.1,176)
## 1607	215.24159	(120,240]	Typical	[175.9,229)
## 1608	167.04832	(120,240]	Typical	[71.1,176)
## 1609	188.60921	(120,240]	Typical	[175.9,229)
## 1610	206.53884	(120,240]	Typical	[175.9,229)
## 1611	177.12357	(120,240]	Typical	[175.9,229)
## 1612	175.15852	(120,240]	Typical	[71.1,176)
## 1613	295.89427	(240,6e+03]	Long	[229.4,553]
## 1614	275.83804	(240,6e+03]	Long	[229.4,553]
## 1615	133.87805	(120,240]	Typical	[71.1,176)
## 1616	182.20298	(120,240]	Typical	[175.9,229)
## 1617	195.70567	(120,240]	Typical	[175.9,229)
## 1618	209.11702	(120,240]	Typical	[175.9,229)
## 1619	150.62954	(120,240]	Typical	[71.1,176)
## 1620	214.14211	(120,240]	Typical	[175.9,229)
## 1621	146.94775	(120,240]	Typical	[71.1,176)
## 1622	260.68903	(240,6e+03]	Long	[229.4,553]
## 1623	91.82478	(0,120]	Short	[71.1,176)
## 1624	185.90065	(120,240]	Typical	[175.9,229)
## 1625	214.82037	(120,240]	Typical	[175.9,229)
## 1626	357.08060	(240,6e+03]	Long	[229.4,553]
## 1627	125.19497	(120,240]	Typical	[71.1,176)
## 1628	341.81763	(240,6e+03]	Long	[229.4,553]
## 1629	188.69348	(120,240]	Typical	[175.9,229)
## 1630	169.59487	(120,240]	Typical	[71.1,176)
## 1631	191.84131	(120,240]	Typical	[175.9,229)
## 1632	208.49104	(120,240]	Typical	[175.9,229)
## 1633	218.63894	(120,240]	Typical	[175.9,229)
## 1634	229.35694	(120,240]	Typical	[229.4,553]
## 1635	173.60219	(120,240]	Typical	[71.1,176)
## 1636	245.95440	(240,6e+03]	Long	[229.4,553]
## 1637	191.31946	(120,240]	Typical	[175.9,229)
## 1638	135.11061	(120,240]	Typical	[71.1,176)
## 1639	238.46963	(120,240]	Typical	[229.4,553]
## 1640	271.34154	(240,6e+03]	Long	[229.4,553]

## 1641	146.33434	(120,240]	Typical	[71.1,176)
## 1642	230.02320	(120,240]	Typical	[229.4,553]
## 1643	165.49986	(120,240]	Typical	[71.1,176)
## 1644	272.06248	(240,6e+03]	Long	[229.4,553]
## 1645	167.22057	(120,240]	Typical	[71.1,176)
## 1646	110.68418	(0,120]	Short	[71.1,176)
## 1647	206.27056	(120,240]	Typical	[175.9,229)
## 1648	140.55347	(120,240]	Typical	[71.1,176)
## 1649	283.25260	(240,6e+03]	Long	[229.4,553]
## 1650	335.92425	(240,6e+03]	Long	[229.4,553]
## 1651	180.25975	(120,240]	Typical	[175.9,229)
## 1652	283.17855	(240,6e+03]	Long	[229.4,553]
## 1653	265.92991	(240,6e+03]	Long	[229.4,553]
## 1654	181.58808	(120,240]	Typical	[175.9,229)
## 1655	177.67613	(120,240]	Typical	[175.9,229)
## 1656	456.43290	(240,6e+03]	Long	[229.4,553]
## 1657	136.09987	(120,240]	Typical	[71.1,176)
## 1658	240.71115	(240,6e+03]	Long	[229.4,553]
## 1659	233.48948	(120,240]	Typical	[229.4,553]
## 1660	104.09218	(0,120]	Short	[71.1,176)
## 1661	317.53252	(240,6e+03]	Long	[229.4,553]
## 1662	183.32972	(120,240]	Typical	[175.9,229)
## 1663	201.01073	(120,240]	Typical	[175.9,229)
## 1664	215.52589	(120,240]	Typical	[175.9,229)
## 1665	108.74517	(0,120]	Short	[71.1,176)
## 1666	273.99684	(240,6e+03]	Long	[229.4,553]
## 1667	155.41390	(120,240]	Typical	[71.1,176)
## 1668	311.51017	(240,6e+03]	Long	[229.4,553]
## 1669	289.81571	(240,6e+03]	Long	[229.4,553]
## 1670	218.10361	(120,240]	Typical	[175.9,229)
## 1671	207.09206	(120,240]	Typical	[175.9,229)
## 1672	133.06686	(120,240]	Typical	[71.1,176)
## 1673	146.75812	(120,240]	Typical	[71.1,176)
## 1674	102.35324	(0,120]	Short	[71.1,176)
## 1675	143.93794	(120,240]	Typical	[71.1,176)
## 1676	280.45648	(240,6e+03]	Long	[229.4,553]
## 1677	293.69779	(240,6e+03]	Long	[229.4,553]
## 1678	120.47429	(120,240]	Typical	[71.1,176)
## 1679	98.72865	(0,120]	Short	[71.1,176)
## 1680	290.08521	(240,6e+03]	Long	[229.4,553]
## 1681	161.45160	(120,240]	Typical	[71.1,176)
## 1682	183.31223	(120,240]	Typical	[175.9,229)
## 1683	305.84992	(240,6e+03]	Long	[229.4,553]
## 1684	162.76946	(120,240]	Typical	[71.1,176)
## 1685	283.27347	(240,6e+03]	Long	[229.4,553]
## 1686	170.81521	(120,240]	Typical	[71.1,176)
## 1687	195.51938	(120,240]	Typical	[175.9,229)
## 1688	243.64185	(240,6e+03]	Long	[229.4,553]
## 1689	179.19861	(120,240]	Typical	[175.9,229)
## 1690	170.60421	(120,240]	Typical	[71.1,176)
## 1691	199.39575	(120,240]	Typical	[175.9,229)
## 1692	273.82291	(240,6e+03]	Long	[229.4,553]
## 1693	105.45154	(0,120]	Short	[71.1,176)
## 1694	196.95482	(120,240]	Typical	[175.9,229)

## 1695	140.97128	(120,240]	Typical	[71.1,176)
## 1696	290.91105	(240,6e+03]	Long	[229.4,553]
## 1697	144.79005	(120,240]	Typical	[71.1,176)
## 1698	161.25163	(120,240]	Typical	[71.1,176)
## 1699	259.54262	(240,6e+03]	Long	[229.4,553]
## 1700	171.40666	(120,240]	Typical	[71.1,176)
## 1701	160.56954	(120,240]	Typical	[71.1,176)
## 1702	82.20880	(0,120]	Short	[71.1,176)
## 1703	258.78231	(240,6e+03]	Long	[229.4,553]
## 1704	269.07880	(240,6e+03]	Long	[229.4,553]
## 1705	186.37187	(120,240]	Typical	[175.9,229)
## 1706	176.58578	(120,240]	Typical	[175.9,229)
## 1707	175.58143	(120,240]	Typical	[71.1,176)
## 1708	124.85932	(120,240]	Typical	[71.1,176)
## 1709	231.24489	(120,240]	Typical	[229.4,553]
## 1710	239.47038	(120,240]	Typical	[229.4,553]
## 1711	241.36187	(240,6e+03]	Long	[229.4,553]
## 1712	113.90151	(0,120]	Short	[71.1,176)
## 1713	176.35495	(120,240]	Typical	[175.9,229)
## 1714	447.81597	(240,6e+03]	Long	[229.4,553]
## 1715	216.34256	(120,240]	Typical	[175.9,229)
## 1716	229.49984	(120,240]	Typical	[229.4,553]
## 1717	307.28881	(240,6e+03]	Long	[229.4,553]
## 1718	151.81148	(120,240]	Typical	[71.1,176)
## 1719	290.95096	(240,6e+03]	Long	[229.4,553]
## 1720	240.26498	(240,6e+03]	Long	[229.4,553]
## 1721	222.27535	(120,240]	Typical	[175.9,229)
## 1722	378.22976	(240,6e+03]	Long	[229.4,553]
## 1723	236.68939	(120,240]	Typical	[229.4,553]
## 1724	202.66388	(120,240]	Typical	[175.9,229)
## 1725	177.74737	(120,240]	Typical	[175.9,229)
## 1726	124.76727	(120,240]	Typical	[71.1,176)
## 1727	326.34329	(240,6e+03]	Long	[229.4,553]
## 1728	176.48737	(120,240]	Typical	[175.9,229)
## 1729	117.46931	(0,120]	Short	[71.1,176)
## 1730	272.04175	(240,6e+03]	Long	[229.4,553]
## 1731	101.79151	(0,120]	Short	[71.1,176)
## 1732	156.99953	(120,240]	Typical	[71.1,176)
## 1733	105.57544	(0,120]	Short	[71.1,176)
## 1734	226.51019	(120,240]	Typical	[175.9,229)
## 1735	171.54776	(120,240]	Typical	[71.1,176)
## 1736	286.72646	(240,6e+03]	Long	[229.4,553]
## 1737	264.78826	(240,6e+03]	Long	[229.4,553]
## 1738	187.42310	(120,240]	Typical	[175.9,229)
## 1739	153.73923	(120,240]	Typical	[71.1,176)
## 1740	146.10141	(120,240]	Typical	[71.1,176)
## 1741	177.02788	(120,240]	Typical	[175.9,229)
## 1742	162.63135	(120,240]	Typical	[71.1,176)
## 1743	239.30941	(120,240]	Typical	[229.4,553]
## 1744	182.49694	(120,240]	Typical	[175.9,229)
## 1745	232.94330	(120,240]	Typical	[229.4,553]
## 1746	219.44040	(120,240]	Typical	[175.9,229)
## 1747	138.28282	(120,240]	Typical	[71.1,176)
## 1748	278.13201	(240,6e+03]	Long	[229.4,553]

## 1749	226.83498	(120,240]	Typical	[175.9,229)
## 1750	154.15086	(120,240]	Typical	[71.1,176)
## 1751	194.84827	(120,240]	Typical	[175.9,229)
## 1752	217.12018	(120,240]	Typical	[175.9,229)
## 1753	239.92040	(120,240]	Typical	[229.4,553]
## 1754	132.34233	(120,240]	Typical	[71.1,176)
## 1755	165.53107	(120,240]	Typical	[71.1,176)
## 1756	211.09266	(120,240]	Typical	[175.9,229)
## 1757	282.10376	(240,6e+03]	Long	[229.4,553]
## 1758	213.70541	(120,240]	Typical	[175.9,229)
## 1759	140.99217	(120,240]	Typical	[71.1,176)
## 1760	194.23961	(120,240]	Typical	[175.9,229)
## 1761	207.34073	(120,240]	Typical	[175.9,229)
## 1762	153.20708	(120,240]	Typical	[71.1,176)
## 1763	175.12220	(120,240]	Typical	[71.1,176)
## 1764	149.02239	(120,240]	Typical	[71.1,176)
## 1765	264.73814	(240,6e+03]	Long	[229.4,553]
## 1766	234.21246	(120,240]	Typical	[229.4,553]
## 1767	287.64535	(240,6e+03]	Long	[229.4,553]
## 1768	218.52392	(120,240]	Typical	[175.9,229)
## 1769	183.05938	(120,240]	Typical	[175.9,229)
## 1770	115.49794	(0,120]	Short	[71.1,176)
## 1771	183.81746	(120,240]	Typical	[175.9,229)
## 1772	197.06331	(120,240]	Typical	[175.9,229)
## 1773	123.14129	(120,240]	Typical	[71.1,176)
## 1774	203.91741	(120,240]	Typical	[175.9,229)
## 1775	208.31188	(120,240]	Typical	[175.9,229)
## 1776	203.76340	(120,240]	Typical	[175.9,229)
## 1777	181.42072	(120,240]	Typical	[175.9,229)
## 1778	162.86767	(120,240]	Typical	[71.1,176)
## 1779	291.37726	(240,6e+03]	Long	[229.4,553]
## 1780	145.29825	(120,240]	Typical	[71.1,176)
## 1781	105.39447	(0,120]	Short	[71.1,176)
## 1782	135.88794	(120,240]	Typical	[71.1,176)
## 1783	248.42809	(240,6e+03]	Long	[229.4,553]
## 1784	277.40343	(240,6e+03]	Long	[229.4,553]
## 1785	225.25359	(120,240]	Typical	[175.9,229)
## 1786	159.66900	(120,240]	Typical	[71.1,176)
## 1787	253.37229	(240,6e+03]	Long	[229.4,553]
## 1788	180.04612	(120,240]	Typical	[175.9,229)
## 1789	293.83165	(240,6e+03]	Long	[229.4,553]
## 1790	180.29072	(120,240]	Typical	[175.9,229)
## 1791	188.26600	(120,240]	Typical	[175.9,229)
## 1792	242.52246	(240,6e+03]	Long	[229.4,553]
## 1793	127.15251	(120,240]	Typical	[71.1,176)
## 1794	125.10611	(120,240]	Typical	[71.1,176)
## 1795	133.80168	(120,240]	Typical	[71.1,176)
## 1796	128.85437	(120,240]	Typical	[71.1,176)
## 1797	260.95851	(240,6e+03]	Long	[229.4,553]
## 1798	173.28872	(120,240]	Typical	[71.1,176)
## 1799	347.42339	(240,6e+03]	Long	[229.4,553]
## 1800	194.26571	(120,240]	Typical	[175.9,229)
## 1801	119.87162	(0,120]	Short	[71.1,176)
## 1802	169.43693	(120,240]	Typical	[71.1,176)

## 1803	139.81680	(120,240]	Typical	[71.1,176)
## 1804	247.56386	(240,6e+03]	Long	[229.4,553]
## 1805	135.62300	(120,240]	Typical	[71.1,176)
## 1806	167.21133	(120,240]	Typical	[71.1,176)
## 1807	189.94356	(120,240]	Typical	[175.9,229)
## 1808	267.89622	(240,6e+03]	Long	[229.4,553]
## 1809	223.61152	(120,240]	Typical	[175.9,229)
## 1810	195.78163	(120,240]	Typical	[175.9,229)
## 1811	246.39549	(240,6e+03]	Long	[229.4,553]
## 1812	146.23593	(120,240]	Typical	[71.1,176)
## 1813	167.25009	(120,240]	Typical	[71.1,176)
## 1814	237.81386	(120,240]	Typical	[229.4,553]
## 1815	161.89839	(120,240]	Typical	[71.1,176)
## 1816	179.01900	(120,240]	Typical	[175.9,229)
## 1817	259.41335	(240,6e+03]	Long	[229.4,553]
## 1818	198.12500	(120,240]	Typical	[175.9,229)
## 1819	156.51118	(120,240]	Typical	[71.1,176)
## 1820	226.10932	(120,240]	Typical	[175.9,229)
## 1821	224.59746	(120,240]	Typical	[175.9,229)
## 1822	192.74159	(120,240]	Typical	[175.9,229)
## 1823	208.48419	(120,240]	Typical	[175.9,229)
## 1824	180.29158	(120,240]	Typical	[175.9,229)
## 1825	277.14599	(240,6e+03]	Long	[229.4,553]
## 1826	292.22571	(240,6e+03]	Long	[229.4,553]
## 1827	231.96378	(120,240]	Typical	[229.4,553]
## 1828	156.10389	(120,240]	Typical	[71.1,176)
## 1829	174.02046	(120,240]	Typical	[71.1,176)
## 1830	142.30789	(120,240]	Typical	[71.1,176)
## 1831	238.32283	(120,240]	Typical	[229.4,553]
## 1832	164.37977	(120,240]	Typical	[71.1,176)
## 1833	275.47488	(240,6e+03]	Long	[229.4,553]
## 1834	311.24435	(240,6e+03]	Long	[229.4,553]
## 1835	177.13889	(120,240]	Typical	[175.9,229)
## 1836	193.61653	(120,240]	Typical	[175.9,229)
## 1837	154.11824	(120,240]	Typical	[71.1,176)
## 1838	117.53876	(0,120]	Short	[71.1,176)
## 1839	161.39863	(120,240]	Typical	[71.1,176)
## 1840	250.70556	(240,6e+03]	Long	[229.4,553]
## 1841	278.61435	(240,6e+03]	Long	[229.4,553]
## 1842	163.01319	(120,240]	Typical	[71.1,176)
## 1843	118.71608	(0,120]	Short	[71.1,176)
## 1844	247.82484	(240,6e+03]	Long	[229.4,553]
## 1845	260.09197	(240,6e+03]	Long	[229.4,553]
## 1846	252.71379	(240,6e+03]	Long	[229.4,553]
## 1847	119.48376	(0,120]	Short	[71.1,176)
## 1848	145.09186	(120,240]	Typical	[71.1,176)
## 1849	207.59549	(120,240]	Typical	[175.9,229)
## 1850	173.90270	(120,240]	Typical	[71.1,176)
## 1851	193.02318	(120,240]	Typical	[175.9,229)
## 1852	155.93232	(120,240]	Typical	[71.1,176)
## 1853	188.02162	(120,240]	Typical	[175.9,229)
## 1854	138.06891	(120,240]	Typical	[71.1,176)
## 1855	321.96424	(240,6e+03]	Long	[229.4,553]
## 1856	177.63885	(120,240]	Typical	[175.9,229)

## 1857	156.61211	(120,240]	Typical	[71.1,176)
## 1858	224.78430	(120,240]	Typical	[175.9,229)
## 1859	288.58294	(240,6e+03]	Long	[229.4,553]
## 1860	152.04630	(120,240]	Typical	[71.1,176)
## 1861	346.68467	(240,6e+03]	Long	[229.4,553]
## 1862	137.80656	(120,240]	Typical	[71.1,176)
## 1863	124.62882	(120,240]	Typical	[71.1,176)
## 1864	259.88404	(240,6e+03]	Long	[229.4,553]
## 1865	203.69383	(120,240]	Typical	[175.9,229)
## 1866	168.04249	(120,240]	Typical	[71.1,176)
## 1867	163.47751	(120,240]	Typical	[71.1,176)
## 1868	156.27906	(120,240]	Typical	[71.1,176)
## 1869	179.76711	(120,240]	Typical	[175.9,229)
## 1870	162.69954	(120,240]	Typical	[71.1,176)
## 1871	187.11726	(120,240]	Typical	[175.9,229)
## 1872	190.89026	(120,240]	Typical	[175.9,229)
## 1873	204.16994	(120,240]	Typical	[175.9,229)
## 1874	167.44525	(120,240]	Typical	[71.1,176)
## 1875	114.07329	(0,120]	Short	[71.1,176)
## 1876	256.49929	(240,6e+03]	Long	[229.4,553]
## 1877	274.26946	(240,6e+03]	Long	[229.4,553]
## 1878	212.70705	(120,240]	Typical	[175.9,229)
## 1879	275.72429	(240,6e+03]	Long	[229.4,553]
## 1880	203.42800	(120,240]	Typical	[175.9,229)
## 1881	147.68555	(120,240]	Typical	[71.1,176)
## 1882	223.67246	(120,240]	Typical	[175.9,229)
## 1883	218.43529	(120,240]	Typical	[175.9,229)
## 1884	136.65411	(120,240]	Typical	[71.1,176)
## 1885	252.69435	(240,6e+03]	Long	[229.4,553]
## 1886	122.72553	(120,240]	Typical	[71.1,176)
## 1887	208.89137	(120,240]	Typical	[175.9,229)
## 1888	129.86618	(120,240]	Typical	[71.1,176)
## 1889	142.44863	(120,240]	Typical	[71.1,176)
## 1890	203.40128	(120,240]	Typical	[175.9,229)
## 1891	166.81577	(120,240]	Typical	[71.1,176)
## 1892	152.14593	(120,240]	Typical	[71.1,176)
## 1893	188.41050	(120,240]	Typical	[175.9,229)
## 1894	329.50900	(240,6e+03]	Long	[229.4,553]
## 1895	233.09253	(120,240]	Typical	[229.4,553]
## 1896	224.02189	(120,240]	Typical	[175.9,229)
## 1897	166.00085	(120,240]	Typical	[71.1,176)
## 1898	127.28248	(120,240]	Typical	[71.1,176)
## 1899	246.13207	(240,6e+03]	Long	[229.4,553]
## 1900	187.51553	(120,240]	Typical	[175.9,229)
## 1901	181.43442	(120,240]	Typical	[175.9,229)
## 1902	187.82307	(120,240]	Typical	[175.9,229)
## 1903	243.76508	(240,6e+03]	Long	[229.4,553]
## 1904	241.71593	(240,6e+03]	Long	[229.4,553]
## 1905	309.70817	(240,6e+03]	Long	[229.4,553]
## 1906	353.72624	(240,6e+03]	Long	[229.4,553]
## 1907	179.61691	(120,240]	Typical	[175.9,229)
## 1908	272.22742	(240,6e+03]	Long	[229.4,553]
## 1909	222.20009	(120,240]	Typical	[175.9,229)
## 1910	312.95416	(240,6e+03]	Long	[229.4,553]

## 1911	194.95397	(120,240]	Typical	[175.9,229)
## 1912	211.02352	(120,240]	Typical	[175.9,229)
## 1913	291.24013	(240,6e+03]	Long	[229.4,553]
## 1914	129.74777	(120,240]	Typical	[71.1,176)
## 1915	276.05504	(240,6e+03]	Long	[229.4,553]
## 1916	176.37372	(120,240]	Typical	[175.9,229)
## 1917	166.65767	(120,240]	Typical	[71.1,176)
## 1918	322.55258	(240,6e+03]	Long	[229.4,553]
## 1919	136.44680	(120,240]	Typical	[71.1,176)
## 1920	125.58063	(120,240]	Typical	[71.1,176)
## 1921	185.04073	(120,240]	Typical	[175.9,229)
## 1922	208.92463	(120,240]	Typical	[175.9,229)
## 1923	207.89322	(120,240]	Typical	[175.9,229)
## 1924	298.05831	(240,6e+03]	Long	[229.4,553]
## 1925	228.14353	(120,240]	Typical	[175.9,229)
## 1926	162.65717	(120,240]	Typical	[71.1,176)
## 1927	130.61686	(120,240]	Typical	[71.1,176)
## 1928	291.29151	(240,6e+03]	Long	[229.4,553]
## 1929	200.06154	(120,240]	Typical	[175.9,229)
## 1930	208.46620	(120,240]	Typical	[175.9,229)
## 1931	258.93797	(240,6e+03]	Long	[229.4,553]
## 1932	130.59428	(120,240]	Typical	[71.1,176)
## 1933	250.33556	(240,6e+03]	Long	[229.4,553]
## 1934	277.97195	(240,6e+03]	Long	[229.4,553]
## 1935	219.28430	(120,240]	Typical	[175.9,229)
## 1936	150.72879	(120,240]	Typical	[71.1,176)
## 1937	229.39272	(120,240]	Typical	[229.4,553]
## 1938	242.60754	(240,6e+03]	Long	[229.4,553]
## 1939	173.21616	(120,240]	Typical	[71.1,176)
## 1940	232.84813	(120,240]	Typical	[229.4,553]
## 1941	162.53176	(120,240]	Typical	[71.1,176)
## 1942	198.64390	(120,240]	Typical	[175.9,229)
## 1943	246.63882	(240,6e+03]	Long	[229.4,553]
## 1944	166.15229	(120,240]	Typical	[71.1,176)
## 1945	210.88268	(120,240]	Typical	[175.9,229)
## 1946	232.09693	(120,240]	Typical	[229.4,553]
## 1947	148.08298	(120,240]	Typical	[71.1,176)
## 1948	221.32333	(120,240]	Typical	[175.9,229)
## 1949	214.43097	(120,240]	Typical	[175.9,229)
## 1950	242.23801	(240,6e+03]	Long	[229.4,553]
## 1951	109.27283	(0,120]	Short	[71.1,176)
## 1952	145.80671	(120,240]	Typical	[71.1,176)
## 1953	201.07436	(120,240]	Typical	[175.9,229)
## 1954	214.84007	(120,240]	Typical	[175.9,229)
## 1955	237.28261	(120,240]	Typical	[229.4,553]
## 1956	240.63002	(240,6e+03]	Long	[229.4,553]
## 1957	264.03094	(240,6e+03]	Long	[229.4,553]
## 1958	110.73035	(0,120]	Short	[71.1,176)
## 1959	155.04772	(120,240]	Typical	[71.1,176)
## 1960	187.56522	(120,240]	Typical	[175.9,229)
## 1961	169.49513	(120,240]	Typical	[71.1,176)
## 1962	274.01779	(240,6e+03]	Long	[229.4,553]
## 1963	102.24989	(0,120]	Short	[71.1,176)
## 1964	236.96781	(120,240]	Typical	[229.4,553]

## 1965	333.55514	(240,6e+03]	Long	[229.4,553]
## 1966	206.10787	(120,240]	Typical	[175.9,229]
## 1967	187.15037	(120,240]	Typical	[175.9,229]
## 1968	160.63227	(120,240]	Typical	[71.1,176]
## 1969	108.33282	(0,120]	Short	[71.1,176]
## 1970	275.33931	(240,6e+03]	Long	[229.4,553]
## 1971	352.26796	(240,6e+03]	Long	[229.4,553]
## 1972	245.20740	(240,6e+03]	Long	[229.4,553]
## 1973	184.59371	(120,240]	Typical	[175.9,229]
## 1974	387.30659	(240,6e+03]	Long	[229.4,553]
## 1975	142.77011	(120,240]	Typical	[71.1,176]
## 1976	168.85111	(120,240]	Typical	[71.1,176]
## 1977	145.68819	(120,240]	Typical	[71.1,176]
## 1978	126.14325	(120,240]	Typical	[71.1,176]
## 1979	214.18678	(120,240]	Typical	[175.9,229]
## 1980	250.36712	(240,6e+03]	Long	[229.4,553]
## 1981	201.56380	(120,240]	Typical	[175.9,229]
## 1982	212.23057	(120,240]	Typical	[175.9,229]
## 1983	227.23923	(120,240]	Typical	[175.9,229]
## 1984	199.25099	(120,240]	Typical	[175.9,229]
## 1985	226.37559	(120,240]	Typical	[175.9,229]
## 1986	167.74393	(120,240]	Typical	[71.1,176]
## 1987	223.36041	(120,240]	Typical	[175.9,229]
## 1988	151.02181	(120,240]	Typical	[71.1,176]
## 1989	186.06630	(120,240]	Typical	[175.9,229]
## 1990	274.28108	(240,6e+03]	Long	[229.4,553]
## 1991	161.40960	(120,240]	Typical	[71.1,176]
## 1992	209.45164	(120,240]	Typical	[175.9,229]
## 1993	190.77680	(120,240]	Typical	[175.9,229]
## 1994	257.14447	(240,6e+03]	Long	[229.4,553]
## 1995	238.14220	(120,240]	Typical	[229.4,553]
## 1996	226.48995	(120,240]	Typical	[175.9,229]
## 1997	268.33558	(240,6e+03]	Long	[229.4,553]
## 1998	254.45499	(240,6e+03]	Long	[229.4,553]
## 1999	170.94098	(120,240]	Typical	[71.1,176]
## 2000	136.71162	(120,240]	Typical	[71.1,176]
##	quantile_bins_labels			
## 1		Short		
## 2		Typical		
## 3		Long		
## 4		Short		
## 5		Long		
## 6		Typical		
## 7		Typical		
## 8		Typical		
## 9		Short		
## 10		Short		
## 11		Typical		
## 12		Short		
## 13		Short		
## 14		Short		
## 15		Short		
## 16		Typical		
## 17		Typical		

## 18	Typical
## 19	Short
## 20	Long
## 21	Short
## 22	Typical
## 23	Short
## 24	Typical
## 25	Short
## 26	Typical
## 27	Typical
## 28	Typical
## 29	Short
## 30	Typical
## 31	Short
## 32	Short
## 33	Short
## 34	Typical
## 35	Long
## 36	Typical
## 37	Short
## 38	Long
## 39	Long
## 40	Short
## 41	Typical
## 42	Typical
## 43	Long
## 44	Typical
## 45	Long
## 46	Typical
## 47	Long
## 48	Long
## 49	Typical
## 50	Short
## 51	Typical
## 52	Long
## 53	Long
## 54	Short
## 55	Long
## 56	Short
## 57	Short
## 58	Long
## 59	Long
## 60	Short
## 61	Long
## 62	Long
## 63	Typical
## 64	Long
## 65	Long
## 66	Typical
## 67	Typical
## 68	Typical
## 69	Long
## 70	Short
## 71	Short

## 72	Long
## 73	Long
## 74	Short
## 75	Typical
## 76	Long
## 77	Short
## 78	Long
## 79	Short
## 80	Long
## 81	Typical
## 82	Typical
## 83	Typical
## 84	Long
## 85	Long
## 86	Short
## 87	Long
## 88	Long
## 89	Typical
## 90	Typical
## 91	Long
## 92	Typical
## 93	Short
## 94	Short
## 95	Typical
## 96	Typical
## 97	Typical
## 98	Typical
## 99	Long
## 100	Long
## 101	Long
## 102	Long
## 103	Long
## 104	Typical
## 105	Long
## 106	Typical
## 107	Short
## 108	Short
## 109	Long
## 110	Typical
## 111	Typical
## 112	Long
## 113	Short
## 114	Short
## 115	Typical
## 116	Typical
## 117	Long
## 118	Long
## 119	Typical
## 120	Short
## 121	Typical
## 122	Typical
## 123	Long
## 124	Short
## 125	Short

## 126	Short
## 127	Long
## 128	Short
## 129	Short
## 130	Typical
## 131	Typical
## 132	Long
## 133	Long
## 134	Short
## 135	Short
## 136	Short
## 137	Long
## 138	Short
## 139	Long
## 140	Long
## 141	Short
## 142	Short
## 143	Short
## 144	Short
## 145	Long
## 146	Long
## 147	Short
## 148	Short
## 149	Long
## 150	Short
## 151	Short
## 152	Typical
## 153	Typical
## 154	Short
## 155	Long
## 156	Typical
## 157	Typical
## 158	Short
## 159	Typical
## 160	Long
## 161	Typical
## 162	Long
## 163	Short
## 164	Typical
## 165	Short
## 166	Short
## 167	Typical
## 168	Short
## 169	Typical
## 170	Typical
## 171	Long
## 172	Typical
## 173	Long
## 174	Typical
## 175	Short
## 176	Long
## 177	Typical
## 178	Typical
## 179	Typical

## 180	Typical
## 181	Typical
## 182	Long
## 183	Typical
## 184	Typical
## 185	Short
## 186	Short
## 187	Short
## 188	Long
## 189	Typical
## 190	Short
## 191	Typical
## 192	Typical
## 193	Typical
## 194	Short
## 195	Short
## 196	Typical
## 197	Typical
## 198	Typical
## 199	Typical
## 200	Typical
## 201	Short
## 202	Short
## 203	Short
## 204	Typical
## 205	Short
## 206	Long
## 207	Short
## 208	Short
## 209	Typical
## 210	Short
## 211	Typical
## 212	Short
## 213	Long
## 214	Long
## 215	Long
## 216	Typical
## 217	Typical
## 218	Short
## 219	Long
## 220	Long
## 221	Short
## 222	Long
## 223	Short
## 224	Typical
## 225	Long
## 226	Long
## 227	Typical
## 228	Long
## 229	Short
## 230	Short
## 231	Short
## 232	Typical
## 233	Typical

## 234	Short
## 235	Long
## 236	Short
## 237	Short
## 238	Typical
## 239	Typical
## 240	Short
## 241	Typical
## 242	Typical
## 243	Long
## 244	Short
## 245	Long
## 246	Long
## 247	Short
## 248	Long
## 249	Typical
## 250	Short
## 251	Typical
## 252	Typical
## 253	Short
## 254	Typical
## 255	Short
## 256	Typical
## 257	Long
## 258	Typical
## 259	Short
## 260	Typical
## 261	Short
## 262	Short
## 263	Typical
## 264	Long
## 265	Typical
## 266	Short
## 267	Short
## 268	Long
## 269	Long
## 270	Short
## 271	Long
## 272	Short
## 273	Long
## 274	Long
## 275	Long
## 276	Typical
## 277	Short
## 278	Short
## 279	Short
## 280	Long
## 281	Long
## 282	Long
## 283	Long
## 284	Typical
## 285	Short
## 286	Typical
## 287	Typical

## 288	Short
## 289	Long
## 290	Short
## 291	Short
## 292	Typical
## 293	Typical
## 294	Typical
## 295	Long
## 296	Long
## 297	Long
## 298	Short
## 299	Typical
## 300	Long
## 301	Long
## 302	Short
## 303	Long
## 304	Long
## 305	Long
## 306	Typical
## 307	Typical
## 308	Long
## 309	Short
## 310	Typical
## 311	Long
## 312	Long
## 313	Long
## 314	Long
## 315	Long
## 316	Long
## 317	Long
## 318	Long
## 319	Typical
## 320	Short
## 321	Short
## 322	Long
## 323	Short
## 324	Typical
## 325	Long
## 326	Short
## 327	Long
## 328	Long
## 329	Short
## 330	Typical
## 331	Long
## 332	Long
## 333	Long
## 334	Short
## 335	Short
## 336	Short
## 337	Short
## 338	Short
## 339	Typical
## 340	Long
## 341	Short

## 342	Short
## 343	Short
## 344	Typical
## 345	Short
## 346	Long
## 347	Long
## 348	Short
## 349	Typical
## 350	Long
## 351	Typical
## 352	Long
## 353	Typical
## 354	Long
## 355	Typical
## 356	Long
## 357	Long
## 358	Long
## 359	Short
## 360	Typical
## 361	Short
## 362	Long
## 363	Typical
## 364	Long
## 365	Typical
## 366	Long
## 367	Long
## 368	Long
## 369	Short
## 370	Long
## 371	Typical
## 372	Long
## 373	Long
## 374	Long
## 375	Short
## 376	Long
## 377	Long
## 378	Typical
## 379	Typical
## 380	Long
## 381	Long
## 382	Long
## 383	Long
## 384	Short
## 385	Typical
## 386	Short
## 387	Long
## 388	Short
## 389	Typical
## 390	Long
## 391	Typical
## 392	Long
## 393	Long
## 394	Long
## 395	Long

## 396	Long
## 397	Typical
## 398	Long
## 399	Long
## 400	Long
## 401	Typical
## 402	Long
## 403	Typical
## 404	Short
## 405	Typical
## 406	Typical
## 407	Typical
## 408	Short
## 409	Short
## 410	Typical
## 411	Short
## 412	Long
## 413	Long
## 414	Short
## 415	Typical
## 416	Short
## 417	Long
## 418	Typical
## 419	Typical
## 420	Typical
## 421	Typical
## 422	Long
## 423	Typical
## 424	Typical
## 425	Typical
## 426	Long
## 427	Long
## 428	Typical
## 429	Typical
## 430	Short
## 431	Short
## 432	Typical
## 433	Typical
## 434	Short
## 435	Short
## 436	Short
## 437	Short
## 438	Long
## 439	Long
## 440	Long
## 441	Typical
## 442	Long
## 443	Long
## 444	Typical
## 445	Typical
## 446	Short
## 447	Short
## 448	Long
## 449	Short

## 450	Long
## 451	Typical
## 452	Short
## 453	Short
## 454	Long
## 455	Long
## 456	Long
## 457	Short
## 458	Long
## 459	Typical
## 460	Long
## 461	Typical
## 462	Typical
## 463	Typical
## 464	Typical
## 465	Short
## 466	Long
## 467	Short
## 468	Short
## 469	Short
## 470	Short
## 471	Typical
## 472	Typical
## 473	Short
## 474	Short
## 475	Long
## 476	Long
## 477	Typical
## 478	Long
## 479	Long
## 480	Long
## 481	Short
## 482	Long
## 483	Short
## 484	Typical
## 485	Short
## 486	Long
## 487	Long
## 488	Long
## 489	Short
## 490	Short
## 491	Typical
## 492	Typical
## 493	Typical
## 494	Short
## 495	Typical
## 496	Typical
## 497	Long
## 498	Long
## 499	Short
## 500	Short
## 501	Long
## 502	Short
## 503	Long

## 504	Short
## 505	Long
## 506	Typical
## 507	Long
## 508	Short
## 509	Typical
## 510	Long
## 511	Long
## 512	Typical
## 513	Typical
## 514	Long
## 515	Short
## 516	Long
## 517	Typical
## 518	Short
## 519	Typical
## 520	Short
## 521	Typical
## 522	Typical
## 523	Long
## 524	Short
## 525	Long
## 526	Typical
## 527	Typical
## 528	Typical
## 529	Long
## 530	Typical
## 531	Long
## 532	Long
## 533	Typical
## 534	Typical
## 535	Short
## 536	Long
## 537	Long
## 538	Short
## 539	Typical
## 540	Long
## 541	Long
## 542	Typical
## 543	Short
## 544	Short
## 545	Typical
## 546	Long
## 547	Long
## 548	Short
## 549	Long
## 550	Long
## 551	Short
## 552	Long
## 553	Long
## 554	Typical
## 555	Short
## 556	Typical
## 557	Short

## 558	Short
## 559	Short
## 560	Short
## 561	Short
## 562	Short
## 563	Short
## 564	Short
## 565	Typical
## 566	Typical
## 567	Typical
## 568	Long
## 569	Typical
## 570	Typical
## 571	Typical
## 572	Typical
## 573	Typical
## 574	Short
## 575	Long
## 576	Long
## 577	Long
## 578	Long
## 579	Typical
## 580	Short
## 581	Typical
## 582	Typical
## 583	Short
## 584	Short
## 585	Typical
## 586	Typical
## 587	Short
## 588	Typical
## 589	Short
## 590	Long
## 591	Typical
## 592	Long
## 593	Short
## 594	Typical
## 595	Long
## 596	Short
## 597	Typical
## 598	Short
## 599	Long
## 600	Short
## 601	Short
## 602	Short
## 603	Long
## 604	Short
## 605	Short
## 606	Long
## 607	Typical
## 608	Long
## 609	Short
## 610	Typical
## 611	Long

## 612	Short
## 613	Typical
## 614	Short
## 615	Short
## 616	Typical
## 617	Typical
## 618	Typical
## 619	Long
## 620	Short
## 621	Short
## 622	Long
## 623	Long
## 624	Typical
## 625	Short
## 626	Typical
## 627	Long
## 628	Long
## 629	Typical
## 630	Long
## 631	Short
## 632	Long
## 633	Short
## 634	Short
## 635	Typical
## 636	Typical
## 637	Typical
## 638	Long
## 639	Long
## 640	Short
## 641	Typical
## 642	Long
## 643	Short
## 644	Short
## 645	Typical
## 646	Short
## 647	Typical
## 648	Long
## 649	Typical
## 650	Long
## 651	Short
## 652	Typical
## 653	Typical
## 654	Short
## 655	Short
## 656	Typical
## 657	Short
## 658	Long
## 659	Long
## 660	Long
## 661	Long
## 662	Typical
## 663	Short
## 664	Short
## 665	Long

## 666	Typical
## 667	Short
## 668	Typical
## 669	Long
## 670	Short
## 671	Typical
## 672	Long
## 673	Long
## 674	Short
## 675	Long
## 676	Short
## 677	Short
## 678	Short
## 679	Typical
## 680	Short
## 681	Long
## 682	Short
## 683	Typical
## 684	Short
## 685	Typical
## 686	Long
## 687	Short
## 688	Short
## 689	Long
## 690	Short
## 691	Typical
## 692	Long
## 693	Short
## 694	Long
## 695	Typical
## 696	Long
## 697	Typical
## 698	Short
## 699	Long
## 700	Typical
## 701	Short
## 702	Typical
## 703	Long
## 704	Typical
## 705	Typical
## 706	Short
## 707	Long
## 708	Typical
## 709	Long
## 710	Typical
## 711	Long
## 712	Typical
## 713	Short
## 714	Short
## 715	Long
## 716	Typical
## 717	Typical
## 718	Typical
## 719	Typical

## 720	Short
## 721	Short
## 722	Long
## 723	Typical
## 724	Typical
## 725	Short
## 726	Long
## 727	Typical
## 728	Short
## 729	Typical
## 730	Long
## 731	Typical
## 732	Long
## 733	Short
## 734	Long
## 735	Short
## 736	Short
## 737	Long
## 738	Typical
## 739	Long
## 740	Typical
## 741	Long
## 742	Typical
## 743	Typical
## 744	Short
## 745	Short
## 746	Short
## 747	Long
## 748	Short
## 749	Typical
## 750	Long
## 751	Short
## 752	Long
## 753	Typical
## 754	Short
## 755	Long
## 756	Typical
## 757	Typical
## 758	Typical
## 759	Long
## 760	Long
## 761	Short
## 762	Long
## 763	Typical
## 764	Long
## 765	Typical
## 766	Long
## 767	Typical
## 768	Typical
## 769	Long
## 770	Typical
## 771	Long
## 772	Typical
## 773	Short

## 774	Short
## 775	Long
## 776	Long
## 777	Typical
## 778	Long
## 779	Long
## 780	Typical
## 781	Short
## 782	Short
## 783	Long
## 784	Short
## 785	Short
## 786	Short
## 787	Typical
## 788	Long
## 789	Short
## 790	Long
## 791	Short
## 792	Short
## 793	Long
## 794	Typical
## 795	Typical
## 796	Short
## 797	Typical
## 798	Short
## 799	Typical
## 800	Short
## 801	Long
## 802	Long
## 803	Short
## 804	Short
## 805	Typical
## 806	Typical
## 807	Long
## 808	Long
## 809	Typical
## 810	Long
## 811	Long
## 812	Typical
## 813	Typical
## 814	Long
## 815	Short
## 816	Typical
## 817	Long
## 818	Long
## 819	Short
## 820	Long
## 821	Long
## 822	Typical
## 823	Long
## 824	Typical
## 825	Long
## 826	Typical
## 827	Typical

## 828	Long
## 829	Typical
## 830	Long
## 831	Long
## 832	Typical
## 833	Typical
## 834	Short
## 835	Long
## 836	Short
## 837	Typical
## 838	Long
## 839	Short
## 840	Typical
## 841	Long
## 842	Short
## 843	Long
## 844	Short
## 845	Long
## 846	Typical
## 847	Short
## 848	Typical
## 849	Short
## 850	Short
## 851	Long
## 852	Typical
## 853	Long
## 854	Short
## 855	Typical
## 856	Typical
## 857	Short
## 858	Long
## 859	Typical
## 860	Long
## 861	Typical
## 862	Typical
## 863	Short
## 864	Long
## 865	Long
## 866	Long
## 867	Short
## 868	Long
## 869	Short
## 870	Short
## 871	Long
## 872	Typical
## 873	Long
## 874	Typical
## 875	Long
## 876	Long
## 877	Short
## 878	Short
## 879	Typical
## 880	Long
## 881	Short

## 882	Typical
## 883	Long
## 884	Short
## 885	Long
## 886	Long
## 887	Long
## 888	Long
## 889	Short
## 890	Long
## 891	Long
## 892	Typical
## 893	Short
## 894	Short
## 895	Short
## 896	Typical
## 897	Short
## 898	Long
## 899	Short
## 900	Typical
## 901	Long
## 902	Long
## 903	Typical
## 904	Short
## 905	Typical
## 906	Long
## 907	Long
## 908	Typical
## 909	Short
## 910	Short
## 911	Typical
## 912	Short
## 913	Short
## 914	Short
## 915	Typical
## 916	Long
## 917	Typical
## 918	Typical
## 919	Short
## 920	Short
## 921	Short
## 922	Short
## 923	Short
## 924	Long
## 925	Short
## 926	Long
## 927	Typical
## 928	Short
## 929	Short
## 930	Short
## 931	Short
## 932	Typical
## 933	Short
## 934	Short
## 935	Long

## 936	Long
## 937	Typical
## 938	Short
## 939	Long
## 940	Typical
## 941	Long
## 942	Short
## 943	Long
## 944	Short
## 945	Typical
## 946	Short
## 947	Typical
## 948	Short
## 949	Short
## 950	Typical
## 951	Long
## 952	Long
## 953	Typical
## 954	Typical
## 955	Typical
## 956	Typical
## 957	Short
## 958	Long
## 959	Typical
## 960	Long
## 961	Typical
## 962	Short
## 963	Short
## 964	Short
## 965	Typical
## 966	Typical
## 967	Typical
## 968	Short
## 969	Long
## 970	Typical
## 971	Short
## 972	Short
## 973	Typical
## 974	Short
## 975	Long
## 976	Long
## 977	Short
## 978	Long
## 979	Short
## 980	Typical
## 981	Short
## 982	Short
## 983	Short
## 984	Long
## 985	Short
## 986	Typical
## 987	Typical
## 988	Short
## 989	Short

## 990	Long
## 991	Long
## 992	Short
## 993	Typical
## 994	Short
## 995	Typical
## 996	Typical
## 997	Long
## 998	Long
## 999	Long
## 1000	Typical
## 1001	Typical
## 1002	Long
## 1003	Long
## 1004	Typical
## 1005	Short
## 1006	Typical
## 1007	Typical
## 1008	Typical
## 1009	Typical
## 1010	Typical
## 1011	Typical
## 1012	Long
## 1013	Typical
## 1014	Long
## 1015	Typical
## 1016	Long
## 1017	Long
## 1018	Long
## 1019	Short
## 1020	Short
## 1021	Short
## 1022	Short
## 1023	Long
## 1024	Typical
## 1025	Typical
## 1026	Long
## 1027	Typical
## 1028	Long
## 1029	Typical
## 1030	Short
## 1031	Short
## 1032	Long
## 1033	Long
## 1034	Long
## 1035	Typical
## 1036	Typical
## 1037	Long
## 1038	Long
## 1039	Short
## 1040	Short
## 1041	Short
## 1042	Long
## 1043	Long

## 1044	Short
## 1045	Short
## 1046	Typical
## 1047	Typical
## 1048	Long
## 1049	Short
## 1050	Short
## 1051	Short
## 1052	Typical
## 1053	Long
## 1054	Long
## 1055	Typical
## 1056	Short
## 1057	Long
## 1058	Typical
## 1059	Typical
## 1060	Short
## 1061	Short
## 1062	Typical
## 1063	Short
## 1064	Long
## 1065	Short
## 1066	Typical
## 1067	Long
## 1068	Short
## 1069	Short
## 1070	Typical
## 1071	Long
## 1072	Typical
## 1073	Long
## 1074	Long
## 1075	Short
## 1076	Long
## 1077	Typical
## 1078	Short
## 1079	Short
## 1080	Long
## 1081	Short
## 1082	Typical
## 1083	Typical
## 1084	Short
## 1085	Long
## 1086	Typical
## 1087	Typical
## 1088	Long
## 1089	Long
## 1090	Long
## 1091	Long
## 1092	Long
## 1093	Typical
## 1094	Long
## 1095	Short
## 1096	Long
## 1097	Long

## 1098	Short
## 1099	Short
## 1100	Long
## 1101	Short
## 1102	Typical
## 1103	Long
## 1104	Typical
## 1105	Typical
## 1106	Short
## 1107	Long
## 1108	Long
## 1109	Long
## 1110	Long
## 1111	Short
## 1112	Typical
## 1113	Long
## 1114	Long
## 1115	Typical
## 1116	Short
## 1117	Typical
## 1118	Typical
## 1119	Typical
## 1120	Short
## 1121	Typical
## 1122	Typical
## 1123	Short
## 1124	Long
## 1125	Short
## 1126	Short
## 1127	Short
## 1128	Typical
## 1129	Short
## 1130	Typical
## 1131	Long
## 1132	Short
## 1133	Short
## 1134	Short
## 1135	Typical
## 1136	Short
## 1137	Long
## 1138	Long
## 1139	Long
## 1140	Typical
## 1141	Short
## 1142	Typical
## 1143	Long
## 1144	Typical
## 1145	Typical
## 1146	Typical
## 1147	Long
## 1148	Long
## 1149	Typical
## 1150	Long
## 1151	Long

## 1152	Long
## 1153	Long
## 1154	Long
## 1155	Typical
## 1156	Long
## 1157	Typical
## 1158	Short
## 1159	Short
## 1160	Long
## 1161	Long
## 1162	Long
## 1163	Short
## 1164	Long
## 1165	Short
## 1166	Long
## 1167	Short
## 1168	Typical
## 1169	Typical
## 1170	Short
## 1171	Typical
## 1172	Typical
## 1173	Long
## 1174	Long
## 1175	Long
## 1176	Typical
## 1177	Typical
## 1178	Long
## 1179	Long
## 1180	Typical
## 1181	Typical
## 1182	Long
## 1183	Long
## 1184	Short
## 1185	Long
## 1186	Typical
## 1187	Long
## 1188	Long
## 1189	Short
## 1190	Short
## 1191	Typical
## 1192	Long
## 1193	Short
## 1194	Long
## 1195	Typical
## 1196	Short
## 1197	Long
## 1198	Long
## 1199	Typical
## 1200	Typical
## 1201	Short
## 1202	Typical
## 1203	Long
## 1204	Short
## 1205	Long

## 1206	Long
## 1207	Long
## 1208	Typical
## 1209	Long
## 1210	Short
## 1211	Long
## 1212	Long
## 1213	Typical
## 1214	Short
## 1215	Typical
## 1216	Short
## 1217	Short
## 1218	Short
## 1219	Short
## 1220	Short
## 1221	Typical
## 1222	Short
## 1223	Typical
## 1224	Short
## 1225	Typical
## 1226	Typical
## 1227	Long
## 1228	Short
## 1229	Long
## 1230	Typical
## 1231	Typical
## 1232	Typical
## 1233	Short
## 1234	Short
## 1235	Typical
## 1236	Short
## 1237	Typical
## 1238	Short
## 1239	Short
## 1240	Typical
## 1241	Short
## 1242	Long
## 1243	Long
## 1244	Long
## 1245	Long
## 1246	Typical
## 1247	Short
## 1248	Long
## 1249	Short
## 1250	Typical
## 1251	Short
## 1252	Long
## 1253	Typical
## 1254	Typical
## 1255	Long
## 1256	Long
## 1257	Long
## 1258	Typical
## 1259	Long

## 1260	Long
## 1261	Typical
## 1262	Short
## 1263	Short
## 1264	Typical
## 1265	Typical
## 1266	Typical
## 1267	Long
## 1268	Typical
## 1269	Typical
## 1270	Long
## 1271	Long
## 1272	Long
## 1273	Long
## 1274	Short
## 1275	Typical
## 1276	Typical
## 1277	Typical
## 1278	Typical
## 1279	Long
## 1280	Typical
## 1281	Short
## 1282	Typical
## 1283	Short
## 1284	Typical
## 1285	Long
## 1286	Long
## 1287	Typical
## 1288	Long
## 1289	Typical
## 1290	Short
## 1291	Long
## 1292	Typical
## 1293	Long
## 1294	Typical
## 1295	Typical
## 1296	Typical
## 1297	Short
## 1298	Short
## 1299	Typical
## 1300	Typical
## 1301	Long
## 1302	Typical
## 1303	Long
## 1304	Short
## 1305	Long
## 1306	Long
## 1307	Typical
## 1308	Short
## 1309	Short
## 1310	Short
## 1311	Short
## 1312	Long
## 1313	Long

## 1314	Short
## 1315	Long
## 1316	Long
## 1317	Short
## 1318	Long
## 1319	Long
## 1320	Short
## 1321	Long
## 1322	Long
## 1323	Long
## 1324	Long
## 1325	Short
## 1326	Short
## 1327	Long
## 1328	Long
## 1329	Typical
## 1330	Long
## 1331	Typical
## 1332	Short
## 1333	Short
## 1334	Long
## 1335	Typical
## 1336	Typical
## 1337	Short
## 1338	Long
## 1339	Long
## 1340	Long
## 1341	Short
## 1342	Short
## 1343	Typical
## 1344	Short
## 1345	Short
## 1346	Long
## 1347	Typical
## 1348	Typical
## 1349	Short
## 1350	Typical
## 1351	Long
## 1352	Typical
## 1353	Typical
## 1354	Typical
## 1355	Long
## 1356	Typical
## 1357	Short
## 1358	Typical
## 1359	Short
## 1360	Typical
## 1361	Short
## 1362	Typical
## 1363	Short
## 1364	Short
## 1365	Long
## 1366	Long
## 1367	Typical

## 1368	Typical
## 1369	Typical
## 1370	Typical
## 1371	Typical
## 1372	Short
## 1373	Short
## 1374	Typical
## 1375	Typical
## 1376	Typical
## 1377	Typical
## 1378	Long
## 1379	Typical
## 1380	Short
## 1381	Short
## 1382	Short
## 1383	Long
## 1384	Short
## 1385	Short
## 1386	Typical
## 1387	Typical
## 1388	Typical
## 1389	Long
## 1390	Short
## 1391	Long
## 1392	Long
## 1393	Typical
## 1394	Long
## 1395	Long
## 1396	Short
## 1397	Long
## 1398	Long
## 1399	Short
## 1400	Short
## 1401	Short
## 1402	Short
## 1403	Short
## 1404	Short
## 1405	Short
## 1406	Short
## 1407	Typical
## 1408	Short
## 1409	Typical
## 1410	Short
## 1411	Short
## 1412	Long
## 1413	Typical
## 1414	Long
## 1415	Short
## 1416	Short
## 1417	Long
## 1418	Short
## 1419	Typical
## 1420	Typical
## 1421	Short

## 1422	Short
## 1423	Short
## 1424	Short
## 1425	Typical
## 1426	Long
## 1427	Long
## 1428	Short
## 1429	Typical
## 1430	Typical
## 1431	Short
## 1432	Short
## 1433	Long
## 1434	Short
## 1435	Long
## 1436	Short
## 1437	Typical
## 1438	Short
## 1439	Typical
## 1440	Typical
## 1441	Typical
## 1442	Long
## 1443	Long
## 1444	Short
## 1445	Long
## 1446	Typical
## 1447	Short
## 1448	Typical
## 1449	Typical
## 1450	Long
## 1451	Typical
## 1452	Short
## 1453	Typical
## 1454	Typical
## 1455	Short
## 1456	Short
## 1457	Short
## 1458	Typical
## 1459	Typical
## 1460	Long
## 1461	Long
## 1462	Long
## 1463	Typical
## 1464	Short
## 1465	Short
## 1466	Short
## 1467	Long
## 1468	Typical
## 1469	Typical
## 1470	Long
## 1471	Typical
## 1472	Short
## 1473	Short
## 1474	Long
## 1475	Long

## 1476	Long
## 1477	Long
## 1478	Typical
## 1479	Typical
## 1480	Short
## 1481	Typical
## 1482	Typical
## 1483	Long
## 1484	Long
## 1485	Short
## 1486	Long
## 1487	Typical
## 1488	Long
## 1489	Short
## 1490	Long
## 1491	Typical
## 1492	Typical
## 1493	Short
## 1494	Long
## 1495	Typical
## 1496	Typical
## 1497	Long
## 1498	Short
## 1499	Long
## 1500	Typical
## 1501	Typical
## 1502	Typical
## 1503	Long
## 1504	Short
## 1505	Long
## 1506	Short
## 1507	Long
## 1508	Long
## 1509	Typical
## 1510	Short
## 1511	Typical
## 1512	Short
## 1513	Short
## 1514	Typical
## 1515	Typical
## 1516	Typical
## 1517	Short
## 1518	Typical
## 1519	Long
## 1520	Long
## 1521	Short
## 1522	Typical
## 1523	Typical
## 1524	Short
## 1525	Short
## 1526	Typical
## 1527	Typical
## 1528	Long
## 1529	Short

## 1530	Short
## 1531	Short
## 1532	Short
## 1533	Typical
## 1534	Typical
## 1535	Short
## 1536	Long
## 1537	Short
## 1538	Short
## 1539	Typical
## 1540	Long
## 1541	Typical
## 1542	Long
## 1543	Typical
## 1544	Typical
## 1545	Typical
## 1546	Typical
## 1547	Typical
## 1548	Short
## 1549	Short
## 1550	Short
## 1551	Long
## 1552	Typical
## 1553	Typical
## 1554	Short
## 1555	Typical
## 1556	Long
## 1557	Typical
## 1558	Short
## 1559	Long
## 1560	Long
## 1561	Short
## 1562	Typical
## 1563	Short
## 1564	Long
## 1565	Typical
## 1566	Typical
## 1567	Long
## 1568	Long
## 1569	Short
## 1570	Short
## 1571	Typical
## 1572	Typical
## 1573	Typical
## 1574	Typical
## 1575	Long
## 1576	Long
## 1577	Short
## 1578	Long
## 1579	Typical
## 1580	Long
## 1581	Long
## 1582	Long
## 1583	Long

## 1584	Long
## 1585	Typical
## 1586	Short
## 1587	Short
## 1588	Long
## 1589	Short
## 1590	Short
## 1591	Long
## 1592	Short
## 1593	Typical
## 1594	Short
## 1595	Typical
## 1596	Long
## 1597	Typical
## 1598	Short
## 1599	Short
## 1600	Short
## 1601	Typical
## 1602	Short
## 1603	Typical
## 1604	Short
## 1605	Long
## 1606	Short
## 1607	Typical
## 1608	Short
## 1609	Typical
## 1610	Typical
## 1611	Typical
## 1612	Short
## 1613	Long
## 1614	Long
## 1615	Short
## 1616	Typical
## 1617	Typical
## 1618	Typical
## 1619	Short
## 1620	Typical
## 1621	Short
## 1622	Long
## 1623	Short
## 1624	Typical
## 1625	Typical
## 1626	Long
## 1627	Short
## 1628	Long
## 1629	Typical
## 1630	Short
## 1631	Typical
## 1632	Typical
## 1633	Typical
## 1634	Long
## 1635	Short
## 1636	Long
## 1637	Typical

## 1638	Short
## 1639	Long
## 1640	Long
## 1641	Short
## 1642	Long
## 1643	Short
## 1644	Long
## 1645	Short
## 1646	Short
## 1647	Typical
## 1648	Short
## 1649	Long
## 1650	Long
## 1651	Typical
## 1652	Long
## 1653	Long
## 1654	Typical
## 1655	Typical
## 1656	Long
## 1657	Short
## 1658	Long
## 1659	Long
## 1660	Short
## 1661	Long
## 1662	Typical
## 1663	Typical
## 1664	Typical
## 1665	Short
## 1666	Long
## 1667	Short
## 1668	Long
## 1669	Long
## 1670	Typical
## 1671	Typical
## 1672	Short
## 1673	Short
## 1674	Short
## 1675	Short
## 1676	Long
## 1677	Long
## 1678	Short
## 1679	Short
## 1680	Long
## 1681	Short
## 1682	Typical
## 1683	Long
## 1684	Short
## 1685	Long
## 1686	Short
## 1687	Typical
## 1688	Long
## 1689	Typical
## 1690	Short
## 1691	Typical

## 1692	Long
## 1693	Short
## 1694	Typical
## 1695	Short
## 1696	Long
## 1697	Short
## 1698	Short
## 1699	Long
## 1700	Short
## 1701	Short
## 1702	Short
## 1703	Long
## 1704	Long
## 1705	Typical
## 1706	Typical
## 1707	Short
## 1708	Short
## 1709	Long
## 1710	Long
## 1711	Long
## 1712	Short
## 1713	Typical
## 1714	Long
## 1715	Typical
## 1716	Long
## 1717	Long
## 1718	Short
## 1719	Long
## 1720	Long
## 1721	Typical
## 1722	Long
## 1723	Long
## 1724	Typical
## 1725	Typical
## 1726	Short
## 1727	Long
## 1728	Typical
## 1729	Short
## 1730	Long
## 1731	Short
## 1732	Short
## 1733	Short
## 1734	Typical
## 1735	Short
## 1736	Long
## 1737	Long
## 1738	Typical
## 1739	Short
## 1740	Short
## 1741	Typical
## 1742	Short
## 1743	Long
## 1744	Typical
## 1745	Long

## 1746	Typical
## 1747	Short
## 1748	Long
## 1749	Typical
## 1750	Short
## 1751	Typical
## 1752	Typical
## 1753	Long
## 1754	Short
## 1755	Short
## 1756	Typical
## 1757	Long
## 1758	Typical
## 1759	Short
## 1760	Typical
## 1761	Typical
## 1762	Short
## 1763	Short
## 1764	Short
## 1765	Long
## 1766	Long
## 1767	Long
## 1768	Typical
## 1769	Typical
## 1770	Short
## 1771	Typical
## 1772	Typical
## 1773	Short
## 1774	Typical
## 1775	Typical
## 1776	Typical
## 1777	Typical
## 1778	Short
## 1779	Long
## 1780	Short
## 1781	Short
## 1782	Short
## 1783	Long
## 1784	Long
## 1785	Typical
## 1786	Short
## 1787	Long
## 1788	Typical
## 1789	Long
## 1790	Typical
## 1791	Typical
## 1792	Long
## 1793	Short
## 1794	Short
## 1795	Short
## 1796	Short
## 1797	Long
## 1798	Short
## 1799	Long

## 1800	Typical
## 1801	Short
## 1802	Short
## 1803	Short
## 1804	Long
## 1805	Short
## 1806	Short
## 1807	Typical
## 1808	Long
## 1809	Typical
## 1810	Typical
## 1811	Long
## 1812	Short
## 1813	Short
## 1814	Long
## 1815	Short
## 1816	Typical
## 1817	Long
## 1818	Typical
## 1819	Short
## 1820	Typical
## 1821	Typical
## 1822	Typical
## 1823	Typical
## 1824	Typical
## 1825	Long
## 1826	Long
## 1827	Long
## 1828	Short
## 1829	Short
## 1830	Short
## 1831	Long
## 1832	Short
## 1833	Long
## 1834	Long
## 1835	Typical
## 1836	Typical
## 1837	Short
## 1838	Short
## 1839	Short
## 1840	Long
## 1841	Long
## 1842	Short
## 1843	Short
## 1844	Long
## 1845	Long
## 1846	Long
## 1847	Short
## 1848	Short
## 1849	Typical
## 1850	Short
## 1851	Typical
## 1852	Short
## 1853	Typical

## 1854	Short
## 1855	Long
## 1856	Typical
## 1857	Short
## 1858	Typical
## 1859	Long
## 1860	Short
## 1861	Long
## 1862	Short
## 1863	Short
## 1864	Long
## 1865	Typical
## 1866	Short
## 1867	Short
## 1868	Short
## 1869	Typical
## 1870	Short
## 1871	Typical
## 1872	Typical
## 1873	Typical
## 1874	Short
## 1875	Short
## 1876	Long
## 1877	Long
## 1878	Typical
## 1879	Long
## 1880	Typical
## 1881	Short
## 1882	Typical
## 1883	Typical
## 1884	Short
## 1885	Long
## 1886	Short
## 1887	Typical
## 1888	Short
## 1889	Short
## 1890	Typical
## 1891	Short
## 1892	Short
## 1893	Typical
## 1894	Long
## 1895	Long
## 1896	Typical
## 1897	Short
## 1898	Short
## 1899	Long
## 1900	Typical
## 1901	Typical
## 1902	Typical
## 1903	Long
## 1904	Long
## 1905	Long
## 1906	Long
## 1907	Typical

## 1908	Long
## 1909	Typical
## 1910	Long
## 1911	Typical
## 1912	Typical
## 1913	Long
## 1914	Short
## 1915	Long
## 1916	Typical
## 1917	Short
## 1918	Long
## 1919	Short
## 1920	Short
## 1921	Typical
## 1922	Typical
## 1923	Typical
## 1924	Long
## 1925	Typical
## 1926	Short
## 1927	Short
## 1928	Long
## 1929	Typical
## 1930	Typical
## 1931	Long
## 1932	Short
## 1933	Long
## 1934	Long
## 1935	Typical
## 1936	Short
## 1937	Long
## 1938	Long
## 1939	Short
## 1940	Long
## 1941	Short
## 1942	Typical
## 1943	Long
## 1944	Short
## 1945	Typical
## 1946	Long
## 1947	Short
## 1948	Typical
## 1949	Typical
## 1950	Long
## 1951	Short
## 1952	Short
## 1953	Typical
## 1954	Typical
## 1955	Long
## 1956	Long
## 1957	Long
## 1958	Short
## 1959	Short
## 1960	Typical
## 1961	Short

```
## 1962      Long
## 1963      Short
## 1964      Long
## 1965      Long
## 1966      Typical
## 1967      Typical
## 1968      Short
## 1969      Short
## 1970      Long
## 1971      Long
## 1972      Long
## 1973      Typical
## 1974      Long
## 1975      Short
## 1976      Short
## 1977      Short
## 1978      Short
## 1979      Typical
## 1980      Long
## 1981      Typical
## 1982      Typical
## 1983      Typical
## 1984      Typical
## 1985      Typical
## 1986      Short
## 1987      Typical
## 1988      Short
## 1989      Typical
## 1990      Long
## 1991      Short
## 1992      Typical
## 1993      Typical
## 1994      Long
## 1995      Long
## 1996      Typical
## 1997      Long
## 1998      Long
## 1999      Short
## 2000      Short
```

With preset bins, the number of observations in each bin can be lopsided. On the other hand, when using quantiles, bins are constructed to balance observations.

```
library(tidyr)
df %>%
  select(duration)%>%
  mutate(preset_bins = cut(df$duration,
                           breaks = c(0,120,240,6000)),
         preset_bins_labels = cut(df$duration,
                                   breaks = c(0,120,240,6000),
                                   labels =c('Short','Typical','Long')),
         quantile_bins = factor(cut2(duration,
                                       g=3)),
         quantile_bins_labels = factor(cut2(duration,
                                             g=3),
```

```

                                labels = c('Short', 'Typical', 'Long')))%>%
select(preset_bins_labels, quantile_bins_labels)%>%
pivot_longer(cols = 1:2, names_to = 'var', values_to = 'values')%>%
group_by(var, values)%>%
count()%>%
ungroup()%>%
pivot_wider(names_from = 1, values_from = n)

## # A tibble: 3 x 3
##   values preset_bins_labels quantile_bins_labels
##   <fct>          <int>          <int>
## 1 Short              98              667
## 2 Typical           1347              667
## 3 Long              555              666

```