

questaoum

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1 Questão 1 - Prova 2 de Inteligência Artificial

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3 1. Pré-processamento de dados

3.0.1 Importando as bibliotecas necessárias, bem como o dataset da questão.

```
In [1]: import scipy.io.arff as io
import pandas as pd
import matplotlib.pyplot as plt
import numpy as np
from sklearn.preprocessing import LabelEncoder, OneHotEncoder
from sklearn.model_selection import train_test_split

# Read arff data
with open("Autism-Adult-Data.arff") as f:
    values = io.loadarff(f)
    f.close()

# Dataset em formato DataFrame para manipulá-lo usando a biblioteca pandas
dataset = pd.DataFrame(data=values[0])

# Entradas e saída do dataset
X = dataset.iloc[:, [10,11,12,13,14,17,20]].values
y = dataset.iloc[:, 20].values

# Colunas específicas
age = dataset.iloc[:, 10].values
gender = dataset.iloc[:, 11].values
ethnicity = dataset.iloc[:, 12].values
jaundice = dataset.iloc[:, 13].values
austim = dataset.iloc[:, 14].values
result = dataset.iloc[:, 17].values
classASD = dataset.iloc[:, 20].values
```

3.0.2 Dados estão faltando na coluna `ethnicity`, logo, precisam ser substituídos por NaN e em seguida a Moda é calculada. Após o seu cálculo, os dados que constarem como NaN serão trocados pela Moda.

```
In [2]: dataset['ethnicity'] = dataset['ethnicity'].replace(b'?', np.nan)
```

```
In [3]: dataset.ethnicity.mode()
```

```
Out[3]: 0    b'White-European'
dtype: object
```

```
In [4]: dataset['ethnicity'] = dataset['ethnicity'].replace(np.nan, b'White-European')
```

3.0.3 O mesmo vale para a coluna `relation`.

```
In [5]: dataset.relation.mode()
```

```
Out[5]: 0    b'Self'
dtype: object
```

```
In [6]: dataset['relation'] = dataset['relation'].replace(b'?', b'Self')
```

3.0.4 Configurando a tabela do dataset para aparecer completamente quando um `print()` for utilizado.

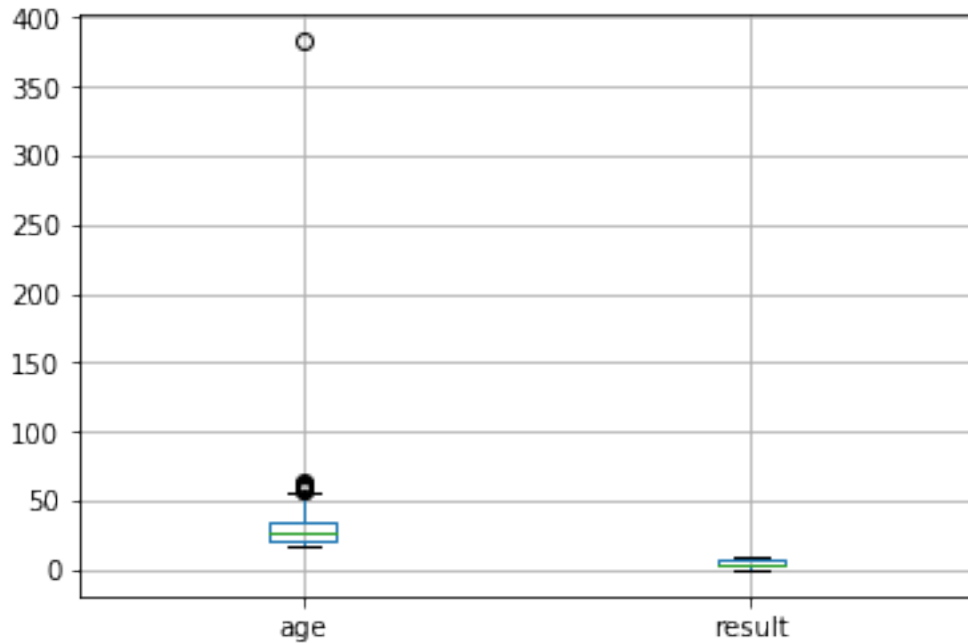
```
In [7]: print(pd.options.display.max_columns, pd.options.display.max_rows)
pd.options.display.max_columns = 22
pd.options.display.max_rows = 703
```

```
20 60
```

3.0.5 Ao plotar os dados dos nossos atributos numéricos, percebemos que a idade 383.0 é um outlier. Precisamos tratar isto.

```
In [8]: dataset.boxplot()
```

```
Out[8]: <matplotlib.axes._subplots.AxesSubplot at 0x7f8d39385eb8>
```



3.0.6 Alguns detalhes do atributo age e result. Na coluna 'age', percebe-se que existem dois dados faltando. Além disso, a idade 383.0 foi considerada absurda. Com base nisto, precisamos remover esse outlier e substituí-lo pela mediana das idades existentes.

```
In [9]: dataset.describe()
```

```
Out [9]:
```

| | age | result |
|-------|------------|------------|
| count | 702.000000 | 704.000000 |
| mean | 29.698006 | 4.875000 |
| std | 16.507465 | 2.501493 |
| min | 17.000000 | 0.000000 |
| 25% | 21.000000 | 3.000000 |
| 50% | 27.000000 | 4.000000 |
| 75% | 35.000000 | 7.000000 |
| max | 383.000000 | 10.000000 |

3.0.7 Localizando a instância que possui o outlier...

```
In [10]: dataset.loc[dataset['age'] == 383.00]
```

```
Out [10]:
```

| | A1_Score | A2_Score | A3_Score | A4_Score | A5_Score | A6_Score | A7_Score | A8_Score | \ |
|----|----------|----------|----------|----------|----------|----------|----------|----------|---|
| 52 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | |

| | A9_Score | A10_Score | age | gender | ethnicity | jundice | austim | \ |
|----|----------|-----------|-------|--------|-------------|---------|--------|---|
| 52 | b'0' | b'0' | 383.0 | b'f' | b'Pasifika' | b'no' | b'no' | |

```

        contry_of_res used_app_before result age_desc relation \
52  b'"New Zealand'"          b'no'      1.0  b'"18 and more'"  b'Self'

        Class/ASD
52      b'NO'

```

3.0.8 Tratando as instâncias de age vazias...

```
In [11]: dataset['age'] = dataset['age'].replace(b'n', b'')
```

```
In [12]: aux = np.array(dataset['age'])
```

3.0.9 Substituindo o outlier pela mediana da age, ignorando as instâncias ainda vazias...

```
In [13]: dataset['age'] = dataset['age'].replace(383, np.nanmedian(aux))
```

```
In [14]: dataset.describe()
```

```
Out[14]:
```

| | age | result |
|-------|------------|------------|
| count | 702.000000 | 704.000000 |
| mean | 29.190883 | 4.875000 |
| std | 9.704950 | 2.501493 |
| min | 17.000000 | 0.000000 |
| 25% | 21.000000 | 3.000000 |
| 50% | 27.000000 | 4.000000 |
| 75% | 35.000000 | 7.000000 |
| max | 64.000000 | 10.000000 |

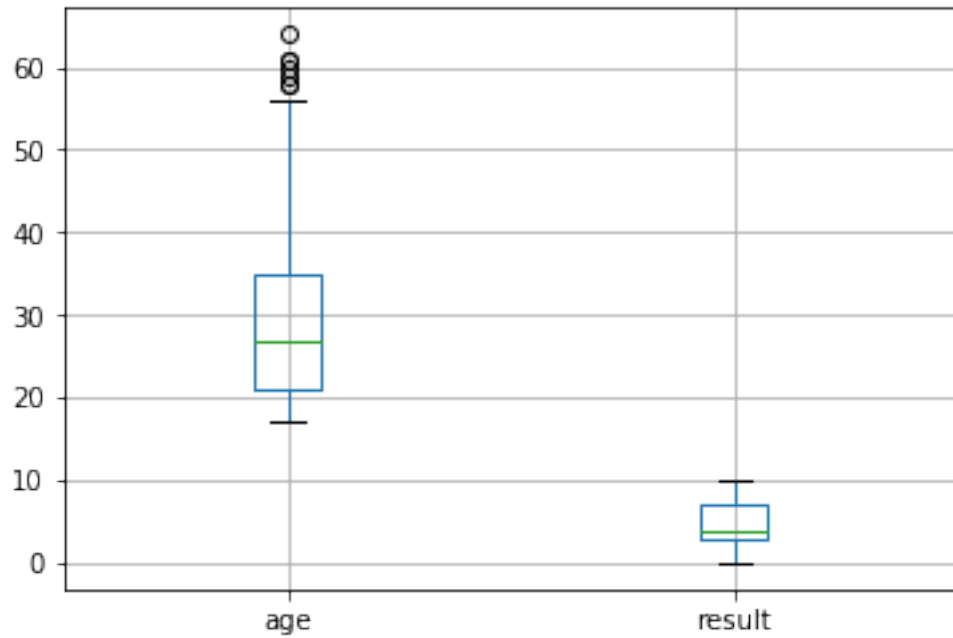
3.0.10 Encontrando as instâncias vazias e substituindo-as pela mediana depois que o outlier foi tratado.

```
In [15]: dataset['age'] = dataset['age'].replace(np.nan, np.nanmedian(aux))
```

3.0.11 Novo boxplot dos atributos age e result. Perceba que agora não temos mais a presença do far outlier.

```
In [16]: dataset.boxplot()
```

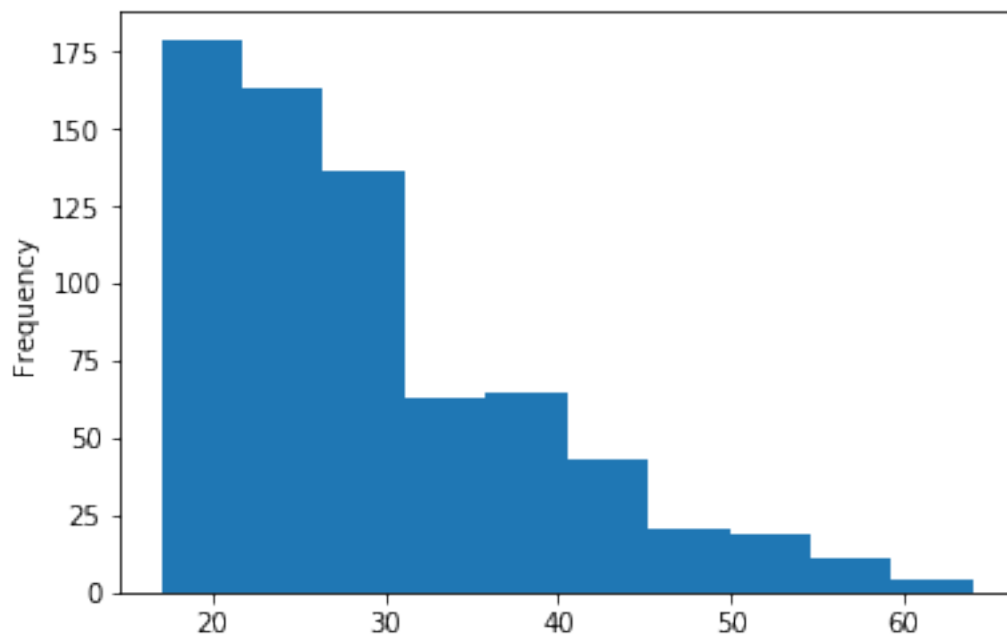
```
Out[16]: <matplotlib.axes._subplots.AxesSubplot at 0x7f8cff507748>
```



3.0.12 Plotando histogramas das colunas age e result...

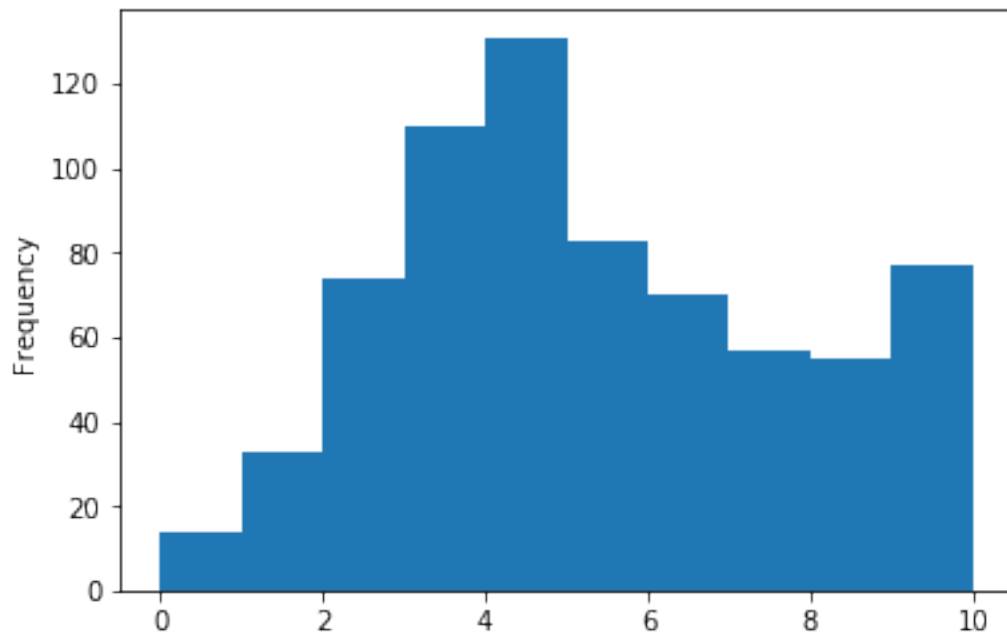
In [17]: `dataset['age'].plot(kind='hist')`

Out[17]: `<matplotlib.axes._subplots.AxesSubplot at 0x7f8cff4762e8>`



```
In [18]: dataset['result'].plot(kind='hist')
```

```
Out[18]: <matplotlib.axes._subplots.AxesSubplot at 0x7f8cff3f71d0>
```



3.0.13 Checando se ainda existe alguma instância com atributos vazios no dataset.

```
In [19]: dataset.isnull().sum()
```

```
Out[19]: A1_Score      0
         A2_Score      0
         A3_Score      0
         A4_Score      0
         A5_Score      0
         A6_Score      0
         A7_Score      0
         A8_Score      0
         A9_Score      0
         A10_Score     0
         age           0
         gender         0
         ethnicity      0
         jundice         0
         austin         0
```

```

contry_of_res      0
used_app_before    0
result             0
age_desc           0
relation           0
Class/ASD          0
dtype: int64

```

3.0.14 Substituindo as interrogações por nan a fim de que o método isnull() possa realmente checar se existe algum dado faltando no dataset...

```
In [20]: dataset.replace(b'?', np.nan)
```

```

Out[20]:
   A1_Score A2_Score A3_Score A4_Score A5_Score A6_Score A7_Score A8_Score \
0      b'1'      b'1'      b'1'      b'1'      b'0'      b'0'      b'1'      b'1'
1      b'1'      b'1'      b'0'      b'1'      b'0'      b'0'      b'0'      b'1'
2      b'1'      b'1'      b'0'      b'1'      b'1'      b'0'      b'1'      b'1'
3      b'1'      b'1'      b'0'      b'1'      b'0'      b'0'      b'1'      b'1'
4      b'1'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'
5      b'1'      b'1'      b'1'      b'1'      b'1'      b'0'      b'1'      b'1'
6      b'0'      b'1'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'
7      b'1'      b'1'      b'1'      b'1'      b'0'      b'0'      b'0'      b'0'
8      b'1'      b'1'      b'0'      b'0'      b'1'      b'0'      b'0'      b'1'
9      b'1'      b'1'      b'1'      b'1'      b'0'      b'1'      b'1'      b'1'
10     b'1'      b'1'      b'1'      b'1'      b'1'      b'1'      b'1'      b'1'
11     b'0'      b'1'      b'0'      b'1'      b'1'      b'1'      b'1'      b'0'
12     b'0'      b'1'      b'1'      b'1'      b'1'      b'1'      b'0'      b'0'
13     b'1'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'      b'1'
14     b'1'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'      b'1'
15     b'1'      b'1'      b'0'      b'1'      b'1'      b'0'      b'0'      b'1'
16     b'1'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'      b'1'
17     b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'
18     b'0'      b'0'      b'1'      b'0'      b'1'      b'1'      b'0'      b'0'
19     b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'      b'1'
20     b'0'      b'1'      b'1'      b'1'      b'0'      b'0'      b'0'      b'0'
21     b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'
22     b'0'      b'0'      b'0'      b'1'      b'0'      b'0'      b'1'      b'1'
23     b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'
24     b'1'      b'1'      b'1'      b'1'      b'0'      b'0'      b'0'      b'1'
25     b'0'      b'1'      b'1'      b'0'      b'0'      b'0'      b'0'      b'1'
26     b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'
27     b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'
28     b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'1'
29     b'0'      b'1'      b'1'      b'0'      b'0'      b'0'      b'0'      b'0'
30     b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'      b'0'
31     b'1'      b'0'      b'0'      b'1'      b'1'      b'1'      b'1'      b'1'
32     b'1'      b'1'      b'0'      b'0'      b'0'      b'0'      b'1'      b'0'
33     b'1'      b'1'      b'1'      b'1'      b'1'      b'1'      b'1'      b'1'

```

| | | | | | | | | |
|----|------|------|------|------|------|------|------|------|
| 34 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 35 | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 36 | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 37 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 38 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 39 | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' |
| 40 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 41 | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' |
| 42 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 43 | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 44 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 45 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 46 | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' |
| 47 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 48 | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' |
| 49 | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' | b'1' |
| 50 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 51 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 52 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 53 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 54 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 55 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 56 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 57 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 58 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 59 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 60 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 61 | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' |
| 62 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 63 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 64 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 65 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 66 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 67 | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 68 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 69 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 70 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 71 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 72 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 73 | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 74 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 75 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 76 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 77 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 78 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 79 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 80 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 81 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 82 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 83 | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 84 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 85 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 86 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 87 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 88 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 89 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 90 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 91 | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 92 | b'0' | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 93 | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' |
| 94 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 95 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 96 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 97 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 98 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 99 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 100 | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 101 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 102 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 103 | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 104 | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 105 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 106 | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 107 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 108 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 109 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' |
| 110 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 111 | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' |
| 112 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 113 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 114 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 115 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 116 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 117 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 118 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 119 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 120 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 121 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 122 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 123 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 124 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 125 | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 126 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 127 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 128 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 129 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 130 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 131 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 132 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 133 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 134 | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 135 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 136 | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' |
| 137 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 138 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 139 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 140 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 141 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 142 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 143 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 144 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 145 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 146 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 147 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 148 | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 149 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 150 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 151 | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 152 | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 153 | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 154 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 155 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 156 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 157 | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 158 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 159 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 160 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 161 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 162 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 163 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 164 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 165 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 166 | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 167 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 168 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 169 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 170 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 171 | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 172 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 173 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 174 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 175 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 176 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 177 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 178 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 179 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 180 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 181 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 182 | b'0' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 183 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 184 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 185 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 186 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 187 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 188 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 189 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 190 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 191 | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 192 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 193 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 194 | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 195 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 196 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 197 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 198 | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 199 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 200 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 201 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 202 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 203 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 204 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 205 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 206 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 207 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 208 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 209 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 210 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 211 | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' |
| 212 | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' | b'1' |
| 213 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 214 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 215 | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 216 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 217 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 218 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 219 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 220 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 221 | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 222 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 223 | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' |
| 224 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 225 | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 226 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 227 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 228 | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 229 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 230 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 231 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 232 | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 233 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 234 | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 235 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 236 | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 237 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 238 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 239 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 240 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 241 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 242 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 243 | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' |
| 244 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 245 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 246 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 247 | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' |
| 248 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 249 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 250 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 251 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 252 | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 253 | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 254 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 255 | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 256 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 257 | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 258 | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 259 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 260 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 261 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 262 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 263 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 264 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 265 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 266 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 267 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 268 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 269 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 270 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 271 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 272 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 273 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 274 | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 275 | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 276 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 277 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 278 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 279 | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 280 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 281 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 282 | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' |
| 283 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 284 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 285 | b'0' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 286 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 287 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 288 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 289 | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' |
| 290 | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' |
| 291 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 292 | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 293 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 294 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 295 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 296 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 297 | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' |
| 298 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 299 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 300 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 301 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 302 | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 303 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 304 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 305 | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 306 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 307 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 308 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 309 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 310 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 311 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 312 | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 313 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 314 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 315 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 316 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 317 | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 318 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 319 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 320 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 321 | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 322 | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 323 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 324 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 325 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 326 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 327 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 328 | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 329 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 330 | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 331 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 332 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 333 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' |
| 334 | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 335 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 336 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 337 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 338 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 339 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 340 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 341 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 342 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 343 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 344 | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' |
| 345 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 346 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 347 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 348 | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' |
| 349 | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 350 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| .. | ... | ... | ... | ... | ... | ... | ... | ... |
| 353 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 354 | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 355 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 356 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 357 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 358 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 359 | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 360 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 361 | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 362 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 363 | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 364 | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 365 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 366 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 367 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 368 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 369 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 370 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 371 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 372 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 373 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 374 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 375 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' |
| 376 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 377 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' | b'1' |
| 378 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 379 | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' |
| 380 | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 381 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 382 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 383 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 384 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 385 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 386 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 387 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 388 | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 389 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 390 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 391 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 392 | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 393 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 394 | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 395 | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' |
| 396 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 397 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 398 | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 399 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 400 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 401 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 402 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 403 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 404 | b'0' | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 405 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 406 | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 407 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 408 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 409 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 410 | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 411 | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 412 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 413 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 414 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 415 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 416 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 417 | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 418 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 419 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 420 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 421 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 422 | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 423 | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 424 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 425 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 426 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 427 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 428 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 429 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 430 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 431 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 432 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 433 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 434 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' |
| 435 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 436 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 437 | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 438 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 439 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 440 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 441 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 442 | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 443 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 444 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 445 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 446 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 447 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 448 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 449 | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 450 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 451 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 452 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 453 | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 454 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 455 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 456 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 457 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 458 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 459 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 460 | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 461 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 462 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 463 | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 464 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 465 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' |
| 466 | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 467 | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' |
| 468 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 469 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 470 | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 471 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 472 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 473 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 474 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 475 | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 476 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 477 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 478 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 479 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 480 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 481 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 482 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 483 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 484 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 485 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 486 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 487 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 488 | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 489 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 490 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 491 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 492 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 493 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 494 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 495 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 496 | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 497 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 498 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 499 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 500 | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 501 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 502 | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 503 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 504 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 505 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 506 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 507 | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 508 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 509 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 510 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 511 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 512 | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 513 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 514 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 515 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 516 | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 517 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 518 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 519 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 520 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 521 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 522 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 523 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 524 | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' |
| 525 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 526 | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 527 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 528 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 529 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 530 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 531 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 532 | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 533 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 534 | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 535 | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 536 | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 537 | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' |
| 538 | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 539 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 540 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 541 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 542 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 543 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 544 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 545 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 546 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 547 | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 548 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 549 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 550 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 551 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 552 | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 553 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 554 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 555 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 556 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 557 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 558 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 559 | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 560 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 561 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 562 | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' | b'0' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 563 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 564 | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' |
| 565 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 566 | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'0' |
| 567 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 568 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 569 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 570 | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 571 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 572 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 573 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 574 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 575 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 576 | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 577 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 578 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 579 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 580 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 581 | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 582 | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 583 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 584 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 585 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' |
| 586 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 587 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 588 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 589 | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 590 | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 591 | b'0' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 592 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 593 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 594 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 595 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 596 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 597 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 598 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 599 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 600 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 601 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 602 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 603 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 604 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 605 | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 606 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 607 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 608 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 609 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 610 | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 611 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 612 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 613 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 614 | b'1' | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 615 | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' |
| 616 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 617 | b'0' | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 618 | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 619 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 620 | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 621 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 622 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 623 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 624 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 625 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 626 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 627 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 628 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 629 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 630 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 631 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 632 | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 633 | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 634 | b'1' | b'0' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 635 | b'0' | b'1' | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 636 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 637 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 638 | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 639 | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 640 | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 641 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 642 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' |
| 643 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 644 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 645 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 646 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 647 | b'1' | b'0' | b'1' | b'0' | b'0' | b'1' | b'0' | b'1' |
| 648 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 649 | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 650 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 651 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 652 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' |
| 653 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 654 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 655 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 656 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 657 | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' | b'1' | b'0' |
| 658 | b'0' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'0' |

| | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|
| 659 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 660 | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 661 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 662 | b'1' | b'0' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' |
| 663 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 664 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 665 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 666 | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 667 | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 668 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'1' |
| 669 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 670 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 671 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 672 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 673 | b'1' | b'1' | b'1' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 674 | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' |
| 675 | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' |
| 676 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 677 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' |
| 678 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 679 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 680 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 681 | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 682 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 683 | b'1' | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 684 | b'1' | b'0' | b'1' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 685 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 686 | b'1' | b'0' | b'0' | b'0' | b'1' | b'0' | b'1' | b'1' |
| 687 | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 688 | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' |
| 689 | b'1' | b'0' | b'0' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 690 | b'0' | b'0' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' |
| 691 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 692 | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' | b'1' | b'1' |
| 693 | b'1' | b'0' | b'0' | b'1' | b'0' | b'0' | b'0' | b'1' |
| 694 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'1' |
| 695 | b'1' | b'0' | b'1' | b'1' | b'0' | b'0' | b'1' | b'1' |
| 696 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'1' |
| 697 | b'1' | b'1' | b'1' | b'1' | b'1' | b'0' | b'0' | b'0' |
| 698 | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' | b'1' |
| 699 | b'0' | b'1' | b'0' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 700 | b'1' | b'0' | b'0' | b'0' | b'0' | b'0' | b'0' | b'1' |
| 701 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |
| 702 | b'1' | b'0' | b'0' | b'1' | b'1' | b'0' | b'1' | b'0' |
| 703 | b'1' | b'0' | b'1' | b'1' | b'1' | b'0' | b'1' | b'1' |

| | A9_Score | A10_Score | age | gender | ethnicity | jundice | austim \ |
|---|----------|-----------|------|--------|-------------------|---------|----------|
| 0 | b'0' | b'0' | 26.0 | b'f' | b'White-European' | b'no' | b'no' |

| | | | | | | | |
|----|------|------|------|------|----------------------|--------|--------|
| 1 | b'0' | b'1' | 24.0 | b'm' | b'Latino' | b'no' | b'yes' |
| 2 | b'1' | b'1' | 27.0 | b'm' | b'Latino' | b'yes' | b'yes' |
| 3 | b'0' | b'1' | 35.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 4 | b'0' | b'0' | 40.0 | b'f' | b'White-European' | b'no' | b'no' |
| 5 | b'1' | b'1' | 36.0 | b'm' | b'Others' | b'yes' | b'no' |
| 6 | b'0' | b'0' | 17.0 | b'f' | b'Black' | b'no' | b'no' |
| 7 | b'1' | b'0' | 64.0 | b'm' | b'White-European' | b'no' | b'no' |
| 8 | b'1' | b'1' | 29.0 | b'm' | b'White-European' | b'no' | b'no' |
| 9 | b'1' | b'0' | 17.0 | b'm' | b'Asian' | b'yes' | b'yes' |
| 10 | b'1' | b'1' | 33.0 | b'm' | b'White-European' | b'no' | b'no' |
| 11 | b'0' | b'1' | 18.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 12 | b'1' | b'0' | 17.0 | b'f' | b'White-European' | b'no' | b'no' |
| 13 | b'0' | b'1' | 17.0 | b'm' | b'White-European' | b'no' | b'no' |
| 14 | b'0' | b'1' | 17.0 | b'f' | b'White-European' | b'no' | b'no' |
| 15 | b'0' | b'1' | 18.0 | b'm' | b''Middle Eastern '' | b'no' | b'yes' |
| 16 | b'1' | b'1' | 31.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 17 | b'0' | b'1' | 30.0 | b'm' | b'White-European' | b'no' | b'no' |
| 18 | b'0' | b'0' | 35.0 | b'f' | b''Middle Eastern '' | b'no' | b'yes' |
| 19 | b'0' | b'1' | 34.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 20 | b'0' | b'0' | 38.0 | b'm' | b'White-European' | b'no' | b'no' |
| 21 | b'0' | b'0' | 27.0 | b'f' | b'Black' | b'no' | b'no' |
| 22 | b'1' | b'1' | 27.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 23 | b'0' | b'1' | 42.0 | b'm' | b''Middle Eastern '' | b'yes' | b'no' |
| 24 | b'0' | b'0' | 43.0 | b'm' | b'White-European' | b'no' | b'no' |
| 25 | b'0' | b'0' | 24.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 26 | b'0' | b'0' | 40.0 | b'm' | b'Pasifika' | b'yes' | b'yes' |
| 27 | b'0' | b'0' | 40.0 | b'm' | b''Middle Eastern '' | b'yes' | b'yes' |
| 28 | b'0' | b'0' | 48.0 | b'm' | b'Black' | b'no' | b'no' |
| 29 | b'1' | b'1' | 31.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 30 | b'0' | b'0' | 18.0 | b'm' | b'White-European' | b'no' | b'no' |
| 31 | b'0' | b'1' | 37.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 32 | b'0' | b'1' | 55.0 | b'f' | b'Others' | b'no' | b'no' |
| 33 | b'1' | b'1' | 18.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 34 | b'1' | b'1' | 18.0 | b'f' | b'White-European' | b'no' | b'no' |
| 35 | b'0' | b'0' | 55.0 | b'm' | b'White-European' | b'no' | b'no' |
| 36 | b'1' | b'1' | 50.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 37 | b'1' | b'0' | 34.0 | b'f' | b'White-European' | b'no' | b'no' |
| 38 | b'1' | b'1' | 53.0 | b'f' | b'White-European' | b'no' | b'no' |
| 39 | b'1' | b'1' | 35.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 40 | b'0' | b'1' | 20.0 | b'f' | b'Latino' | b'yes' | b'no' |
| 41 | b'0' | b'0' | 28.0 | b'f' | b'Asian' | b'no' | b'no' |
| 42 | b'0' | b'1' | 34.0 | b'f' | b''Middle Eastern '' | b'no' | b'yes' |
| 43 | b'0' | b'1' | 36.0 | b'f' | b'White-European' | b'yes' | b'yes' |
| 44 | b'0' | b'1' | 27.0 | b'f' | b'White-European' | b'no' | b'no' |
| 45 | b'1' | b'0' | 53.0 | b'f' | b'White-European' | b'no' | b'no' |
| 46 | b'0' | b'0' | 24.0 | b'f' | b'Pasifika' | b'no' | b'no' |
| 47 | b'0' | b'0' | 24.0 | b'm' | b'Pasifika' | b'no' | b'no' |
| 48 | b'0' | b'0' | 55.0 | b'm' | b'White-European' | b'no' | b'no' |

| | | | | | | | |
|----|------|------|------|------|----------------------|--------|--------|
| 49 | b'0' | b'1' | 30.0 | b'f' | b'Asian' | b'no' | b'no' |
| 50 | b'0' | b'0' | 21.0 | b'f' | b'Latino' | b'no' | b'no' |
| 51 | b'1' | b'1' | 35.0 | b'f' | b'Black' | b'no' | b'no' |
| 52 | b'0' | b'0' | 27.0 | b'f' | b'Pasifika' | b'no' | b'no' |
| 53 | b'0' | b'1' | 21.0 | b'm' | b'Latino' | b'no' | b'yes' |
| 54 | b'1' | b'1' | 47.0 | b'm' | b'White-European' | b'no' | b'no' |
| 55 | b'1' | b'1' | 30.0 | b'f' | b'Asian' | b'no' | b'no' |
| 56 | b'1' | b'1' | 28.0 | b'f' | b'White-European' | b'no' | b'no' |
| 57 | b'1' | b'1' | 43.0 | b'f' | b'White-European' | b'no' | b'no' |
| 58 | b'0' | b'0' | 32.0 | b'f' | b''South Asian'' | b'no' | b'yes' |
| 59 | b'0' | b'0' | 44.0 | b'f' | b'White-European' | b'no' | b'no' |
| 60 | b'0' | b'1' | 20.0 | b'f' | b'Others' | b'no' | b'no' |
| 61 | b'0' | b'1' | 20.0 | b'f' | b'Others' | b'no' | b'no' |
| 62 | b'0' | b'0' | 27.0 | b'm' | b'White-European' | b'no' | b'no' |
| 63 | b'1' | b'0' | 19.0 | b'm' | b'White-European' | b'no' | b'no' |
| 64 | b'0' | b'1' | 29.0 | b'f' | b'White-European' | b'no' | b'no' |
| 65 | b'0' | b'0' | 21.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 66 | b'0' | b'0' | 27.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 67 | b'0' | b'0' | 21.0 | b'm' | b'Hispanic' | b'no' | b'no' |
| 68 | b'0' | b'1' | 35.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 69 | b'0' | b'0' | 42.0 | b'm' | b'Black' | b'no' | b'no' |
| 70 | b'0' | b'1' | 29.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 71 | b'0' | b'0' | 58.0 | b'm' | b'Asian' | b'no' | b'no' |
| 72 | b'0' | b'1' | 21.0 | b'm' | b'Others' | b'no' | b'no' |
| 73 | b'1' | b'1' | 21.0 | b'm' | b'Others' | b'no' | b'no' |
| 74 | b'1' | b'1' | 37.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 75 | b'0' | b'0' | 21.0 | b'm' | b'Hispanic' | b'no' | b'no' |
| 76 | b'0' | b'0' | 20.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 77 | b'1' | b'0' | 33.0 | b'f' | b'Black' | b'no' | b'yes' |
| 78 | b'0' | b'1' | 20.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 79 | b'0' | b'0' | 45.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 80 | b'0' | b'1' | 32.0 | b'm' | b'White-European' | b'yes' | b'yes' |
| 81 | b'0' | b'1' | 30.0 | b'm' | b'White-European' | b'no' | b'no' |
| 82 | b'1' | b'1' | 33.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 83 | b'0' | b'1' | 42.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 84 | b'0' | b'0' | 17.0 | b'f' | b'White-European' | b'no' | b'no' |
| 85 | b'0' | b'1' | 27.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 86 | b'1' | b'1' | 35.0 | b'f' | b''Middle Eastern '' | b'no' | b'yes' |
| 87 | b'0' | b'0' | 37.0 | b'm' | b'White-European' | b'no' | b'no' |
| 88 | b'1' | b'1' | 30.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 89 | b'1' | b'1' | 29.0 | b'f' | b'White-European' | b'no' | b'no' |
| 90 | b'0' | b'1' | 17.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 91 | b'0' | b'1' | 27.0 | b'f' | b'White-European' | b'no' | b'no' |
| 92 | b'0' | b'1' | 22.0 | b'f' | b'Pasifika' | b'no' | b'no' |
| 93 | b'1' | b'1' | 19.0 | b'f' | b'Latino' | b'no' | b'yes' |
| 94 | b'1' | b'1' | 42.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 95 | b'0' | b'1' | 37.0 | b'f' | b'White-European' | b'no' | b'no' |
| 96 | b'0' | b'0' | 28.0 | b'f' | b'White-European' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 97 | b'0' | b'0' | 22.0 | b'm' | b'Others' | b'no' | b'no' |
| 98 | b'0' | b'0' | 26.0 | b'f' | b'Pasifika' | b'no' | b'no' |
| 99 | b'1' | b'0' | 21.0 | b'm' | b'Pasifika' | b'no' | b'no' |
| 100 | b'0' | b'0' | 26.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 101 | b'0' | b'0' | 39.0 | b'f' | b'Asian' | b'no' | b'no' |
| 102 | b'1' | b'1' | 26.0 | b'm' | b'Asian' | b'no' | b'no' |
| 103 | b'0' | b'0' | 26.0 | b'm' | b'Asian' | b'no' | b'no' |
| 104 | b'0' | b'1' | 21.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 105 | b'0' | b'0' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 106 | b'0' | b'1' | 26.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 107 | b'0' | b'1' | 30.0 | b'f' | b'White-European' | b'no' | b'no' |
| 108 | b'0' | b'0' | 19.0 | b'f' | b'Asian' | b'no' | b'no' |
| 109 | b'0' | b'0' | 19.0 | b'f' | b'Asian' | b'no' | b'no' |
| 110 | b'1' | b'1' | 25.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 111 | b'1' | b'1' | 23.0 | b'm' | b'White-European' | b'no' | b'no' |
| 112 | b'0' | b'1' | 31.0 | b'm' | b'Asian' | b'no' | b'no' |
| 113 | b'1' | b'1' | 27.0 | b'm' | b'Asian' | b'no' | b'no' |
| 114 | b'0' | b'1' | 29.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 115 | b'1' | b'0' | 38.0 | b'f' | b'White-European' | b'no' | b'no' |
| 116 | b'0' | b'1' | 23.0 | b'f' | b'White-European' | b'no' | b'no' |
| 117 | b'0' | b'0' | 27.0 | b'm' | b'White-European' | b'no' | b'no' |
| 118 | b'1' | b'1' | 27.0 | b'f' | b'White-European' | b'no' | b'no' |
| 119 | b'1' | b'0' | 42.0 | b'm' | b'White-European' | b'no' | b'no' |
| 120 | b'1' | b'1' | 20.0 | b'm' | b'White-European' | b'no' | b'no' |
| 121 | b'1' | b'1' | 17.0 | b'f' | b'White-European' | b'no' | b'no' |
| 122 | b'0' | b'0' | 20.0 | b'f' | b'Black' | b'no' | b'no' |
| 123 | b'0' | b'1' | 30.0 | b'm' | b'Asian' | b'yes' | b'no' |
| 124 | b'1' | b'1' | 28.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 125 | b'0' | b'1' | 26.0 | b'f' | b'White-European' | b'no' | b'no' |
| 126 | b'0' | b'0' | 26.0 | b'f' | b'White-European' | b'no' | b'no' |
| 127 | b'0' | b'1' | 31.0 | b'm' | b''Middle Eastern '' | b'no' | b'yes' |
| 128 | b'0' | b'1' | 40.0 | b'f' | b'White-European' | b'no' | b'no' |
| 129 | b'1' | b'1' | 39.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 130 | b'0' | b'0' | 18.0 | b'f' | b'White-European' | b'no' | b'no' |
| 131 | b'0' | b'1' | 24.0 | b'm' | b'Black' | b'no' | b'no' |
| 132 | b'0' | b'0' | 23.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 133 | b'0' | b'1' | 24.0 | b'm' | b'Asian' | b'no' | b'no' |
| 134 | b'1' | b'0' | 24.0 | b'm' | b'Asian' | b'no' | b'no' |
| 135 | b'1' | b'1' | 27.0 | b'm' | b'Asian' | b'no' | b'no' |
| 136 | b'1' | b'1' | 24.0 | b'm' | b'Asian' | b'no' | b'no' |
| 137 | b'0' | b'1' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 138 | b'0' | b'1' | 22.0 | b'm' | b'Asian' | b'no' | b'no' |
| 139 | b'0' | b'1' | 40.0 | b'f' | b'Asian' | b'no' | b'no' |
| 140 | b'0' | b'1' | 23.0 | b'm' | b'Asian' | b'no' | b'no' |
| 141 | b'0' | b'0' | 29.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 142 | b'0' | b'0' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 143 | b'0' | b'0' | 27.0 | b'm' | b'Asian' | b'no' | b'no' |
| 144 | b'0' | b'0' | 22.0 | b'm' | b''South Asian'' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 145 | b'1' | b'1' | 28.0 | b'm' | b'White-European' | b'no' | b'no' |
| 146 | b'1' | b'1' | 20.0 | b'm' | b'White-European' | b'no' | b'no' |
| 147 | b'1' | b'1' | 19.0 | b'f' | b'White-European' | b'no' | b'no' |
| 148 | b'0' | b'1' | 37.0 | b'f' | b'Others' | b'no' | b'no' |
| 149 | b'1' | b'0' | 35.0 | b'm' | b'White-European' | b'yes' | b'yes' |
| 150 | b'0' | b'0' | 26.0 | b'm' | b'Asian' | b'no' | b'no' |
| 151 | b'0' | b'1' | 23.0 | b'm' | b'Asian' | b'no' | b'no' |
| 152 | b'0' | b'1' | 32.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 153 | b'1' | b'1' | 30.0 | b'm' | b'Asian' | b'no' | b'no' |
| 154 | b'0' | b'1' | 31.0 | b'm' | b'Asian' | b'no' | b'no' |
| 155 | b'0' | b'1' | 28.0 | b'f' | b'Asian' | b'no' | b'no' |
| 156 | b'0' | b'1' | 29.0 | b'f' | b'Asian' | b'no' | b'no' |
| 157 | b'0' | b'1' | 29.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 158 | b'1' | b'1' | 29.0 | b'f' | b'Asian' | b'no' | b'no' |
| 159 | b'0' | b'0' | 31.0 | b'm' | b'Asian' | b'no' | b'no' |
| 160 | b'0' | b'0' | 36.0 | b'm' | b'Asian' | b'no' | b'no' |
| 161 | b'0' | b'0' | 32.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 162 | b'0' | b'0' | 34.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 163 | b'0' | b'0' | 24.0 | b'm' | b'Asian' | b'no' | b'no' |
| 164 | b'0' | b'1' | 24.0 | b'f' | b'Asian' | b'no' | b'no' |
| 165 | b'0' | b'1' | 42.0 | b'm' | b'Asian' | b'no' | b'no' |
| 166 | b'1' | b'1' | 26.0 | b'f' | b'Others' | b'no' | b'no' |
| 167 | b'0' | b'0' | 27.0 | b'f' | b'Asian' | b'no' | b'no' |
| 168 | b'1' | b'1' | 36.0 | b'f' | b'Latino' | b'no' | b'yes' |
| 169 | b'1' | b'1' | 36.0 | b'f' | b'Latino' | b'no' | b'yes' |
| 170 | b'0' | b'1' | 55.0 | b'm' | b'Hispanic' | b'no' | b'no' |
| 171 | b'0' | b'0' | 23.0 | b'f' | b'Asian' | b'no' | b'no' |
| 172 | b'0' | b'1' | 22.0 | b'f' | b'Asian' | b'no' | b'no' |
| 173 | b'0' | b'0' | 42.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 174 | b'0' | b'0' | 54.0 | b'm' | b'White-European' | b'no' | b'no' |
| 175 | b'1' | b'1' | 43.0 | b'f' | b'Black' | b'no' | b'no' |
| 176 | b'1' | b'1' | 43.0 | b'f' | b'Black' | b'no' | b'no' |
| 177 | b'1' | b'1' | 29.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 178 | b'0' | b'1' | 29.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 179 | b'0' | b'0' | 37.0 | b'm' | b'White-European' | b'no' | b'no' |
| 180 | b'0' | b'1' | 39.0 | b'f' | b'White-European' | b'no' | b'no' |
| 181 | b'0' | b'0' | 18.0 | b'f' | b'Asian' | b'no' | b'no' |
| 182 | b'0' | b'1' | 31.0 | b'm' | b'White-European' | b'no' | b'no' |
| 183 | b'0' | b'1' | 34.0 | b'm' | b'Asian' | b'no' | b'no' |
| 184 | b'0' | b'1' | 22.0 | b'm' | b'White-European' | b'no' | b'no' |
| 185 | b'1' | b'0' | 28.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 186 | b'0' | b'1' | 38.0 | b'm' | b'Others' | b'no' | b'yes' |
| 187 | b'0' | b'1' | 28.0 | b'f' | b'White-European' | b'no' | b'no' |
| 188 | b'1' | b'1' | 53.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 189 | b'0' | b'0' | 26.0 | b'm' | b'White-European' | b'no' | b'no' |
| 190 | b'1' | b'1' | 37.0 | b'm' | b'White-European' | b'no' | b'no' |
| 191 | b'0' | b'1' | 42.0 | b'm' | b'Latino' | b'yes' | b'yes' |
| 192 | b'0' | b'1' | 43.0 | b'm' | b'Hispanic' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 193 | b'0' | b'0' | 32.0 | b'f' | b'Asian' | b'no' | b'no' |
| 194 | b'0' | b'0' | 31.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 195 | b'1' | b'1' | 53.0 | b'f' | b'White-European' | b'no' | b'no' |
| 196 | b'1' | b'1' | 28.0 | b'm' | b'White-European' | b'no' | b'no' |
| 197 | b'1' | b'1' | 38.0 | b'm' | b'White-European' | b'no' | b'no' |
| 198 | b'1' | b'0' | 31.0 | b'm' | b'White-European' | b'no' | b'no' |
| 199 | b'0' | b'0' | 31.0 | b'f' | b'Pasifika' | b'no' | b'yes' |
| 200 | b'1' | b'1' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 201 | b'1' | b'1' | 25.0 | b'f' | b'White-European' | b'no' | b'no' |
| 202 | b'1' | b'1' | 25.0 | b'f' | b'White-European' | b'no' | b'no' |
| 203 | b'1' | b'1' | 60.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 204 | b'0' | b'0' | 39.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 205 | b'1' | b'1' | 53.0 | b'm' | b'White-European' | b'no' | b'no' |
| 206 | b'1' | b'1' | 20.0 | b'm' | b''Middle Eastern '' | b'no' | b'yes' |
| 207 | b'1' | b'1' | 25.0 | b'f' | b'White-European' | b'no' | b'no' |
| 208 | b'0' | b'0' | 50.0 | b'm' | b'White-European' | b'no' | b'no' |
| 209 | b'1' | b'1' | 28.0 | b'f' | b'White-European' | b'no' | b'no' |
| 210 | b'1' | b'1' | 37.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 211 | b'1' | b'1' | 30.0 | b'm' | b'Asian' | b'no' | b'yes' |
| 212 | b'0' | b'1' | 32.0 | b'f' | b'White-European' | b'no' | b'no' |
| 213 | b'0' | b'1' | 34.0 | b'f' | b'White-European' | b'no' | b'no' |
| 214 | b'0' | b'1' | 42.0 | b'm' | b'White-European' | b'no' | b'no' |
| 215 | b'1' | b'1' | 22.0 | b'f' | b'Black' | b'no' | b'no' |
| 216 | b'0' | b'1' | 37.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 217 | b'0' | b'1' | 39.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 218 | b'0' | b'1' | 18.0 | b'm' | b'White-European' | b'no' | b'no' |
| 219 | b'0' | b'0' | 54.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 220 | b'0' | b'0' | 42.0 | b'm' | b'White-European' | b'no' | b'no' |
| 221 | b'0' | b'0' | 27.0 | b'f' | b'White-European' | b'no' | b'no' |
| 222 | b'0' | b'0' | 22.0 | b'm' | b'White-European' | b'no' | b'no' |
| 223 | b'1' | b'1' | 22.0 | b'm' | b'White-European' | b'no' | b'no' |
| 224 | b'1' | b'1' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 225 | b'0' | b'1' | 28.0 | b'f' | b'White-European' | b'no' | b'no' |
| 226 | b'1' | b'1' | 17.0 | b'm' | b'Asian' | b'yes' | b'no' |
| 227 | b'0' | b'0' | 28.0 | b'm' | b'White-European' | b'no' | b'no' |
| 228 | b'0' | b'1' | 21.0 | b'm' | b'Latino' | b'no' | b'no' |
| 229 | b'1' | b'1' | 31.0 | b'f' | b'Asian' | b'no' | b'no' |
| 230 | b'0' | b'0' | 20.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 231 | b'0' | b'0' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 232 | b'0' | b'0' | 22.0 | b'm' | b'White-European' | b'no' | b'no' |
| 233 | b'1' | b'1' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 234 | b'0' | b'0' | 24.0 | b'm' | b'Black' | b'no' | b'no' |
| 235 | b'0' | b'0' | 24.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 236 | b'0' | b'1' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 237 | b'0' | b'1' | 17.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 238 | b'1' | b'0' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 239 | b'0' | b'0' | 23.0 | b'm' | b'Pasifika' | b'no' | b'no' |
| 240 | b'0' | b'0' | 21.0 | b'm' | b'Asian' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|-------------------|--------|--------|
| 241 | b'1' | b'1' | 22.0 | b'm' | b'Others' | b'no' | b'no' |
| 242 | b'0' | b'1' | 24.0 | b'f' | b'Asian' | b'no' | b'no' |
| 243 | b'1' | b'1' | 34.0 | b'm' | b'Others' | b'no' | b'no' |
| 244 | b'0' | b'1' | 30.0 | b'm' | b'Asian' | b'no' | b'no' |
| 245 | b'0' | b'1' | 29.0 | b'f' | b'Asian' | b'no' | b'no' |
| 246 | b'0' | b'0' | 20.0 | b'm' | b'Pasifika' | b'no' | b'no' |
| 247 | b'1' | b'1' | 23.0 | b'm' | b'White-European' | b'no' | b'no' |
| 248 | b'0' | b'1' | 26.0 | b'm' | b'Asian' | b'no' | b'no' |
| 249 | b'1' | b'1' | 20.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 250 | b'0' | b'0' | 41.0 | b'm' | b'Asian' | b'no' | b'no' |
| 251 | b'0' | b'0' | 24.0 | b'm' | b'Asian' | b'no' | b'no' |
| 252 | b'0' | b'0' | 35.0 | b'm' | b'Asian' | b'no' | b'no' |
| 253 | b'0' | b'0' | 23.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 254 | b'0' | b'0' | 36.0 | b'm' | b'White-European' | b'no' | b'no' |
| 255 | b'0' | b'0' | 33.0 | b'm' | b'Turkish' | b'no' | b'no' |
| 256 | b'1' | b'1' | 24.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 257 | b'0' | b'0' | 25.0 | b'm' | b'White-European' | b'no' | b'no' |
| 258 | b'0' | b'1' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 259 | b'1' | b'1' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 260 | b'0' | b'1' | 24.0 | b'm' | b'Asian' | b'no' | b'no' |
| 261 | b'0' | b'1' | 27.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 262 | b'0' | b'0' | 26.0 | b'm' | b'Asian' | b'no' | b'no' |
| 263 | b'0' | b'0' | 26.0 | b'm' | b'Others' | b'no' | b'no' |
| 264 | b'1' | b'0' | 23.0 | b'f' | b'Asian' | b'no' | b'no' |
| 265 | b'0' | b'1' | 30.0 | b'm' | b'Asian' | b'no' | b'no' |
| 266 | b'1' | b'0' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 267 | b'0' | b'1' | 23.0 | b'm' | b'Pasifika' | b'no' | b'no' |
| 268 | b'0' | b'0' | 34.0 | b'f' | b'White-European' | b'no' | b'no' |
| 269 | b'0' | b'1' | 20.0 | b'f' | b'Asian' | b'no' | b'no' |
| 270 | b'1' | b'1' | 22.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 271 | b'1' | b'1' | 33.0 | b'f' | b'Black' | b'no' | b'yes' |
| 272 | b'1' | b'1' | 46.0 | b'm' | b'White-European' | b'no' | b'no' |
| 273 | b'0' | b'0' | 17.0 | b'm' | b'White-European' | b'no' | b'no' |
| 274 | b'0' | b'0' | 45.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 275 | b'1' | b'0' | 26.0 | b'm' | b'Asian' | b'no' | b'no' |
| 276 | b'1' | b'0' | 30.0 | b'm' | b'White-European' | b'no' | b'no' |
| 277 | b'0' | b'0' | 32.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 278 | b'1' | b'1' | 38.0 | b'f' | b'White-European' | b'no' | b'no' |
| 279 | b'0' | b'0' | 26.0 | b'm' | b'Hispanic' | b'yes' | b'no' |
| 280 | b'0' | b'0' | 29.0 | b'f' | b'Hispanic' | b'no' | b'yes' |
| 281 | b'1' | b'1' | 33.0 | b'm' | b'White-European' | b'no' | b'no' |
| 282 | b'1' | b'1' | 32.0 | b'f' | b'Black' | b'no' | b'no' |
| 283 | b'1' | b'1' | 44.0 | b'f' | b'White-European' | b'no' | b'no' |
| 284 | b'0' | b'1' | 47.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 285 | b'1' | b'1' | 32.0 | b'f' | b'White-European' | b'no' | b'no' |
| 286 | b'0' | b'0' | 40.0 | b'm' | b'White-European' | b'no' | b'no' |
| 287 | b'0' | b'1' | 40.0 | b'm' | b'White-European' | b'no' | b'no' |
| 288 | b'0' | b'0' | 44.0 | b'f' | b'White-European' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 289 | b'1' | b'1' | 56.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 290 | b'1' | b'1' | 23.0 | b'f' | b'White-European' | b'no' | b'no' |
| 291 | b'1' | b'1' | 32.0 | b'f' | b'Black' | b'no' | b'no' |
| 292 | b'0' | b'1' | 27.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 293 | b'0' | b'1' | 28.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 294 | b'0' | b'0' | 40.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 295 | b'1' | b'1' | 45.0 | b'f' | b'White-European' | b'no' | b'no' |
| 296 | b'1' | b'1' | 19.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 297 | b'1' | b'1' | 55.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 298 | b'0' | b'1' | 27.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 299 | b'1' | b'1' | 19.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 300 | b'0' | b'0' | 29.0 | b'm' | b'White-European' | b'no' | b'no' |
| 301 | b'1' | b'1' | 33.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 302 | b'0' | b'0' | 48.0 | b'f' | b'White-European' | b'no' | b'no' |
| 303 | b'1' | b'0' | 37.0 | b'f' | b'Others' | b'no' | b'no' |
| 304 | b'1' | b'0' | 30.0 | b'm' | b'Asian' | b'no' | b'no' |
| 305 | b'0' | b'1' | 37.0 | b'f' | b'White-European' | b'no' | b'no' |
| 306 | b'1' | b'1' | 28.0 | b'f' | b'White-European' | b'no' | b'no' |
| 307 | b'1' | b'1' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 308 | b'1' | b'1' | 25.0 | b'f' | b'Others' | b'no' | b'no' |
| 309 | b'0' | b'0' | 58.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 310 | b'0' | b'0' | 36.0 | b'f' | b'White-European' | b'no' | b'no' |
| 311 | b'0' | b'0' | 36.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 312 | b'1' | b'0' | 19.0 | b'm' | b'Hispanic' | b'no' | b'no' |
| 313 | b'1' | b'0' | 19.0 | b'm' | b'Hispanic' | b'no' | b'no' |
| 314 | b'0' | b'1' | 22.0 | b'f' | b'White-European' | b'no' | b'no' |
| 315 | b'0' | b'0' | 20.0 | b'm' | b'White-European' | b'no' | b'no' |
| 316 | b'0' | b'1' | 24.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 317 | b'1' | b'0' | 19.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 318 | b'0' | b'1' | 21.0 | b'm' | b'Others' | b'no' | b'no' |
| 319 | b'0' | b'0' | 20.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 320 | b'0' | b'0' | 18.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 321 | b'0' | b'1' | 23.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 322 | b'0' | b'1' | 22.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 323 | b'0' | b'0' | 18.0 | b'f' | b''South Asian'' | b'no' | b'yes' |
| 324 | b'0' | b'1' | 37.0 | b'f' | b'White-European' | b'no' | b'no' |
| 325 | b'0' | b'0' | 18.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 326 | b'0' | b'0' | 18.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 327 | b'0' | b'0' | 18.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 328 | b'0' | b'0' | 18.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 329 | b'0' | b'0' | 18.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 330 | b'0' | b'0' | 18.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 331 | b'1' | b'1' | 19.0 | b'm' | b'White-European' | b'no' | b'no' |
| 332 | b'1' | b'1' | 55.0 | b'm' | b'White-European' | b'no' | b'no' |
| 333 | b'1' | b'1' | 32.0 | b'f' | b'Asian' | b'no' | b'no' |
| 334 | b'0' | b'0' | 50.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 335 | b'0' | b'0' | 40.0 | b'm' | b'White-European' | b'no' | b'no' |
| 336 | b'0' | b'0' | 47.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 337 | b'0' | b'1' | 20.0 | b'm' | b'White-European' | b'no' | b'no' |
| 338 | b'0' | b'0' | 22.0 | b'f' | b'White-European' | b'no' | b'no' |
| 339 | b'0' | b'0' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 340 | b'1' | b'0' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 341 | b'0' | b'0' | 19.0 | b'm' | b'White-European' | b'no' | b'no' |
| 342 | b'0' | b'0' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 343 | b'0' | b'0' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 344 | b'0' | b'1' | 23.0 | b'f' | b'White-European' | b'no' | b'no' |
| 345 | b'0' | b'0' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 346 | b'1' | b'0' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 347 | b'0' | b'0' | 23.0 | b'm' | b'White-European' | b'no' | b'no' |
| 348 | b'1' | b'1' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 349 | b'0' | b'1' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 350 | b'1' | b'1' | 20.0 | b'm' | b'White-European' | b'no' | b'no' |
| .. | ... | ... | ... | ... | ... | ... | ... |
| 353 | b'0' | b'0' | 26.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 354 | b'0' | b'0' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 355 | b'0' | b'0' | 19.0 | b'm' | b'White-European' | b'no' | b'no' |
| 356 | b'0' | b'1' | 22.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 357 | b'0' | b'0' | 19.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 358 | b'0' | b'1' | 22.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 359 | b'0' | b'1' | 20.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 360 | b'0' | b'0' | 23.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 361 | b'0' | b'0' | 19.0 | b'f' | b'White-European' | b'no' | b'no' |
| 362 | b'0' | b'1' | 20.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 363 | b'0' | b'0' | 24.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 364 | b'0' | b'1' | 19.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 365 | b'0' | b'1' | 20.0 | b'm' | b'White-European' | b'no' | b'no' |
| 366 | b'0' | b'1' | 23.0 | b'm' | b''Middle Eastern '' | b'no' | b'yes' |
| 367 | b'0' | b'1' | 20.0 | b'm' | b'Others' | b'no' | b'no' |
| 368 | b'0' | b'1' | 20.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 369 | b'1' | b'0' | 20.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 370 | b'0' | b'1' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 371 | b'0' | b'1' | 21.0 | b'f' | b'Asian' | b'no' | b'no' |
| 372 | b'0' | b'1' | 19.0 | b'm' | b'White-European' | b'no' | b'no' |
| 373 | b'0' | b'1' | 20.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 374 | b'0' | b'1' | 20.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 375 | b'1' | b'0' | 25.0 | b'm' | b''Middle Eastern '' | b'yes' | b'yes' |
| 376 | b'0' | b'0' | 20.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 377 | b'0' | b'1' | 22.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 378 | b'0' | b'0' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 379 | b'0' | b'0' | 20.0 | b'm' | b'White-European' | b'no' | b'no' |
| 380 | b'0' | b'0' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 381 | b'0' | b'0' | 23.0 | b'f' | b'White-European' | b'no' | b'no' |
| 382 | b'1' | b'1' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 383 | b'0' | b'1' | 22.0 | b'm' | b'White-European' | b'no' | b'no' |
| 384 | b'0' | b'0' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 385 | b'0' | b'1' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 386 | b'0' | b'0' | 22.0 | b'f' | b'White-European' | b'no' | b'no' |
| 387 | b'0' | b'0' | 21.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 388 | b'0' | b'0' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 389 | b'0' | b'0' | 20.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 390 | b'0' | b'0' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 391 | b'1' | b'1' | 21.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 392 | b'0' | b'1' | 23.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 393 | b'0' | b'0' | 21.0 | b'f' | b'Turkish' | b'no' | b'no' |
| 394 | b'0' | b'1' | 22.0 | b'f' | b'Black' | b'no' | b'no' |
| 395 | b'0' | b'0' | 19.0 | b'f' | b'White-European' | b'no' | b'no' |
| 396 | b'0' | b'0' | 20.0 | b'f' | b'Asian' | b'no' | b'no' |
| 397 | b'0' | b'1' | 21.0 | b'f' | b'Others' | b'no' | b'no' |
| 398 | b'0' | b'0' | 26.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 399 | b'0' | b'0' | 19.0 | b'f' | b'White-European' | b'no' | b'no' |
| 400 | b'0' | b'1' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 401 | b'0' | b'1' | 26.0 | b'f' | b'White-European' | b'no' | b'no' |
| 402 | b'0' | b'1' | 23.0 | b'f' | b'Black' | b'no' | b'no' |
| 403 | b'0' | b'1' | 28.0 | b'f' | b'White-European' | b'no' | b'no' |
| 404 | b'0' | b'0' | 19.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 405 | b'0' | b'0' | 20.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 406 | b'0' | b'1' | 19.0 | b'f' | b'Black' | b'no' | b'no' |
| 407 | b'1' | b'0' | 24.0 | b'm' | b'Asian' | b'no' | b'no' |
| 408 | b'0' | b'1' | 19.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 409 | b'0' | b'0' | 22.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 410 | b'0' | b'1' | 20.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 411 | b'0' | b'0' | 21.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 412 | b'0' | b'0' | 24.0 | b'f' | b'Others' | b'no' | b'no' |
| 413 | b'0' | b'1' | 18.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 414 | b'0' | b'1' | 19.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 415 | b'0' | b'0' | 19.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 416 | b'0' | b'1' | 31.0 | b'm' | b''Middle Eastern '' | b'yes' | b'no' |
| 417 | b'0' | b'0' | 19.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 418 | b'1' | b'1' | 21.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 419 | b'0' | b'1' | 20.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 420 | b'0' | b'1' | 26.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 421 | b'0' | b'0' | 27.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 422 | b'0' | b'0' | 23.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 423 | b'0' | b'0' | 29.0 | b'f' | b'White-European' | b'no' | b'no' |
| 424 | b'0' | b'0' | 23.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 425 | b'0' | b'1' | 23.0 | b'm' | b'Turkish' | b'no' | b'no' |
| 426 | b'1' | b'1' | 24.0 | b'm' | b'Asian' | b'no' | b'yes' |
| 427 | b'0' | b'0' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 428 | b'0' | b'0' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 429 | b'1' | b'0' | 20.0 | b'm' | b'White-European' | b'no' | b'no' |
| 430 | b'1' | b'1' | 32.0 | b'f' | b'Black' | b'no' | b'no' |
| 431 | b'1' | b'1' | 61.0 | b'm' | b'White-European' | b'yes' | b'yes' |
| 432 | b'0' | b'0' | 19.0 | b'm' | b'White-European' | b'no' | b'no' |
| 433 | b'1' | b'0' | 35.0 | b'f' | b'White-European' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 434 | b'0' | b'1' | 34.0 | b'f' | b'White-European' | b'no' | b'no' |
| 435 | b'0' | b'0' | 23.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 436 | b'0' | b'1' | 19.0 | b'f' | b'White-European' | b'no' | b'no' |
| 437 | b'0' | b'1' | 36.0 | b'f' | b'Others' | b'no' | b'no' |
| 438 | b'0' | b'1' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 439 | b'0' | b'0' | 23.0 | b'm' | b'White-European' | b'no' | b'no' |
| 440 | b'0' | b'1' | 17.0 | b'm' | b'Black' | b'no' | b'no' |
| 441 | b'0' | b'0' | 22.0 | b'm' | b'White-European' | b'no' | b'no' |
| 442 | b'0' | b'1' | 33.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 443 | b'0' | b'1' | 23.0 | b'f' | b'Asian' | b'no' | b'no' |
| 444 | b'0' | b'1' | 35.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 445 | b'0' | b'1' | 21.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 446 | b'1' | b'1' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 447 | b'0' | b'0' | 29.0 | b'm' | b'White-European' | b'no' | b'no' |
| 448 | b'1' | b'1' | 59.0 | b'm' | b'White-European' | b'no' | b'no' |
| 449 | b'0' | b'1' | 18.0 | b'f' | b'White-European' | b'no' | b'no' |
| 450 | b'0' | b'0' | 19.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 451 | b'0' | b'0' | 24.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 452 | b'1' | b'0' | 36.0 | b'f' | b'White-European' | b'no' | b'no' |
| 453 | b'0' | b'1' | 19.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 454 | b'0' | b'0' | 17.0 | b'f' | b'Black' | b'no' | b'no' |
| 455 | b'0' | b'1' | 52.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 456 | b'0' | b'0' | 18.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 457 | b'0' | b'0' | 30.0 | b'm' | b'Asian' | b'no' | b'no' |
| 458 | b'1' | b'1' | 18.0 | b'm' | b''Middle Eastern '' | b'yes' | b'no' |
| 459 | b'0' | b'0' | 27.0 | b'm' | b'Latino' | b'no' | b'no' |
| 460 | b'0' | b'0' | 52.0 | b'f' | b'White-European' | b'no' | b'no' |
| 461 | b'0' | b'0' | 45.0 | b'f' | b'Asian' | b'no' | b'no' |
| 462 | b'1' | b'0' | 25.0 | b'f' | b'Others' | b'no' | b'no' |
| 463 | b'0' | b'1' | 29.0 | b'f' | b'White-European' | b'no' | b'no' |
| 464 | b'0' | b'1' | 29.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 465 | b'0' | b'1' | 18.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 466 | b'1' | b'1' | 18.0 | b'm' | b'White-European' | b'no' | b'no' |
| 467 | b'0' | b'1' | 17.0 | b'm' | b'White-European' | b'no' | b'no' |
| 468 | b'1' | b'1' | 27.0 | b'f' | b'Asian' | b'no' | b'no' |
| 469 | b'0' | b'0' | 22.0 | b'f' | b'Asian' | b'yes' | b'no' |
| 470 | b'1' | b'0' | 23.0 | b'm' | b'Asian' | b'no' | b'no' |
| 471 | b'0' | b'0' | 25.0 | b'm' | b'Latino' | b'no' | b'no' |
| 472 | b'0' | b'0' | 23.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 473 | b'0' | b'1' | 29.0 | b'm' | b'Asian' | b'no' | b'no' |
| 474 | b'0' | b'0' | 27.0 | b'f' | b'Asian' | b'no' | b'no' |
| 475 | b'0' | b'0' | 27.0 | b'f' | b'Asian' | b'no' | b'no' |
| 476 | b'0' | b'0' | 43.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 477 | b'0' | b'0' | 26.0 | b'f' | b'Asian' | b'no' | b'no' |
| 478 | b'0' | b'1' | 30.0 | b'f' | b'Asian' | b'no' | b'no' |
| 479 | b'0' | b'0' | 23.0 | b'm' | b'White-European' | b'no' | b'no' |
| 480 | b'0' | b'0' | 29.0 | b'f' | b'Asian' | b'no' | b'no' |
| 481 | b'0' | b'1' | 37.0 | b'm' | b'White-European' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 482 | b'0' | b'1' | 28.0 | b'f' | b'White-European' | b'no' | b'no' |
| 483 | b'0' | b'0' | 25.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 484 | b'0' | b'0' | 25.0 | b'm' | b'Others' | b'no' | b'no' |
| 485 | b'1' | b'0' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 486 | b'1' | b'1' | 43.0 | b'm' | b'White-European' | b'no' | b'no' |
| 487 | b'1' | b'1' | 30.0 | b'f' | b'White-European' | b'no' | b'no' |
| 488 | b'0' | b'1' | 18.0 | b'm' | b'Black' | b'no' | b'no' |
| 489 | b'0' | b'0' | 18.0 | b'f' | b'White-European' | b'no' | b'no' |
| 490 | b'1' | b'0' | 30.0 | b'm' | b'Others' | b'no' | b'no' |
| 491 | b'0' | b'0' | 31.0 | b'f' | b'White-European' | b'no' | b'no' |
| 492 | b'0' | b'1' | 33.0 | b'm' | b'Latino' | b'no' | b'no' |
| 493 | b'1' | b'1' | 33.0 | b'm' | b'Latino' | b'no' | b'no' |
| 494 | b'0' | b'1' | 26.0 | b'm' | b'White-European' | b'no' | b'no' |
| 495 | b'0' | b'0' | 61.0 | b'f' | b'White-European' | b'no' | b'no' |
| 496 | b'0' | b'1' | 46.0 | b'm' | b'Others' | b'no' | b'no' |
| 497 | b'1' | b'1' | 33.0 | b'm' | b'Asian' | b'no' | b'no' |
| 498 | b'0' | b'1' | 38.0 | b'f' | b'Black' | b'no' | b'no' |
| 499 | b'0' | b'0' | 44.0 | b'm' | b'Black' | b'no' | b'no' |
| 500 | b'1' | b'0' | 48.0 | b'f' | b'Black' | b'no' | b'yes' |
| 501 | b'1' | b'1' | 42.0 | b'f' | b'Latino' | b'yes' | b'no' |
| 502 | b'0' | b'0' | 37.0 | b'm' | b'White-European' | b'no' | b'no' |
| 503 | b'0' | b'1' | 23.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 504 | b'1' | b'1' | 24.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 505 | b'0' | b'1' | 41.0 | b'm' | b'White-European' | b'yes' | b'yes' |
| 506 | b'0' | b'1' | 41.0 | b'm' | b'Asian' | b'no' | b'no' |
| 507 | b'0' | b'0' | 27.0 | b'm' | b'White-European' | b'no' | b'no' |
| 508 | b'1' | b'1' | 46.0 | b'f' | b'White-European' | b'yes' | b'yes' |
| 509 | b'0' | b'1' | 40.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 510 | b'0' | b'1' | 22.0 | b'f' | b'White-European' | b'no' | b'no' |
| 511 | b'1' | b'1' | 42.0 | b'm' | b'White-European' | b'no' | b'no' |
| 512 | b'0' | b'1' | 18.0 | b'f' | b'Asian' | b'no' | b'no' |
| 513 | b'0' | b'0' | 44.0 | b'f' | b'White-European' | b'no' | b'no' |
| 514 | b'1' | b'1' | 30.0 | b'f' | b'White-European' | b'no' | b'no' |
| 515 | b'1' | b'1' | 42.0 | b'm' | b'White-European' | b'no' | b'no' |
| 516 | b'0' | b'0' | 35.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 517 | b'1' | b'1' | 40.0 | b'm' | b'Black' | b'no' | b'no' |
| 518 | b'1' | b'1' | 50.0 | b'f' | b'White-European' | b'no' | b'no' |
| 519 | b'0' | b'1' | 38.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 520 | b'1' | b'1' | 26.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 521 | b'0' | b'1' | 27.0 | b'f' | b'White-European' | b'no' | b'no' |
| 522 | b'1' | b'0' | 47.0 | b'f' | b'White-European' | b'yes' | b'yes' |
| 523 | b'0' | b'1' | 21.0 | b'm' | b'Black' | b'yes' | b'yes' |
| 524 | b'1' | b'1' | 37.0 | b'm' | b'White-European' | b'no' | b'no' |
| 525 | b'0' | b'1' | 19.0 | b'f' | b'Others' | b'no' | b'no' |
| 526 | b'0' | b'1' | 32.0 | b'm' | b'Asian' | b'no' | b'no' |
| 527 | b'0' | b'1' | 26.0 | b'f' | b'White-European' | b'no' | b'no' |
| 528 | b'1' | b'1' | 46.0 | b'f' | b'White-European' | b'yes' | b'yes' |
| 529 | b'0' | b'0' | 29.0 | b'm' | b'Black' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 530 | b'0' | b'0' | 30.0 | b'f' | b'Black' | b'no' | b'no' |
| 531 | b'0' | b'0' | 32.0 | b'f' | b'Latino' | b'no' | b'no' |
| 532 | b'0' | b'1' | 35.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 533 | b'1' | b'1' | 22.0 | b'm' | b'White-European' | b'no' | b'no' |
| 534 | b'0' | b'1' | 19.0 | b'f' | b'White-European' | b'no' | b'no' |
| 535 | b'0' | b'1' | 24.0 | b'm' | b'White-European' | b'no' | b'no' |
| 536 | b'0' | b'0' | 52.0 | b'f' | b'White-European' | b'no' | b'no' |
| 537 | b'1' | b'1' | 52.0 | b'm' | b'White-European' | b'no' | b'no' |
| 538 | b'0' | b'0' | 32.0 | b'f' | b'White-European' | b'no' | b'no' |
| 539 | b'0' | b'1' | 24.0 | b'm' | b'White-European' | b'no' | b'no' |
| 540 | b'1' | b'1' | 24.0 | b'm' | b'White-European' | b'no' | b'no' |
| 541 | b'0' | b'0' | 49.0 | b'f' | b''Middle Eastern '' | b'yes' | b'no' |
| 542 | b'1' | b'1' | 30.0 | b'f' | b'Asian' | b'no' | b'no' |
| 543 | b'1' | b'1' | 30.0 | b'f' | b'Asian' | b'no' | b'yes' |
| 544 | b'1' | b'1' | 35.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 545 | b'0' | b'1' | 35.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 546 | b'0' | b'1' | 37.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 547 | b'0' | b'1' | 43.0 | b'm' | b'White-European' | b'no' | b'no' |
| 548 | b'0' | b'1' | 52.0 | b'm' | b'White-European' | b'no' | b'no' |
| 549 | b'1' | b'1' | 44.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 550 | b'0' | b'0' | 46.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 551 | b'0' | b'1' | 42.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 552 | b'0' | b'0' | 20.0 | b'm' | b'Asian' | b'no' | b'no' |
| 553 | b'1' | b'1' | 18.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 554 | b'1' | b'1' | 38.0 | b'm' | b'White-European' | b'no' | b'no' |
| 555 | b'0' | b'0' | 24.0 | b'f' | b'Latino' | b'no' | b'yes' |
| 556 | b'0' | b'0' | 32.0 | b'm' | b'White-European' | b'no' | b'no' |
| 557 | b'0' | b'0' | 29.0 | b'm' | b'Turkish' | b'no' | b'no' |
| 558 | b'0' | b'1' | 22.0 | b'f' | b'White-European' | b'no' | b'no' |
| 559 | b'0' | b'1' | 19.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 560 | b'1' | b'1' | 39.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 561 | b'1' | b'1' | 17.0 | b'm' | b'Black' | b'no' | b'no' |
| 562 | b'1' | b'1' | 19.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 563 | b'1' | b'0' | 18.0 | b'm' | b'White-European' | b'no' | b'no' |
| 564 | b'1' | b'0' | 19.0 | b'm' | b'White-European' | b'no' | b'no' |
| 565 | b'0' | b'0' | 28.0 | b'f' | b'Turkish' | b'no' | b'no' |
| 566 | b'0' | b'1' | 29.0 | b'm' | b'Asian' | b'no' | b'no' |
| 567 | b'0' | b'0' | 48.0 | b'm' | b'White-European' | b'no' | b'no' |
| 568 | b'1' | b'1' | 27.0 | b'f' | b'White-European' | b'yes' | b'yes' |
| 569 | b'0' | b'0' | 34.0 | b'f' | b'White-European' | b'no' | b'no' |
| 570 | b'0' | b'1' | 31.0 | b'm' | b'White-European' | b'no' | b'no' |
| 571 | b'0' | b'1' | 47.0 | b'm' | b'White-European' | b'no' | b'no' |
| 572 | b'0' | b'0' | 47.0 | b'm' | b'White-European' | b'no' | b'no' |
| 573 | b'1' | b'1' | 44.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 574 | b'0' | b'0' | 25.0 | b'f' | b'White-European' | b'no' | b'no' |
| 575 | b'0' | b'0' | 25.0 | b'f' | b'White-European' | b'no' | b'no' |
| 576 | b'1' | b'1' | 20.0 | b'm' | b'White-European' | b'no' | b'no' |
| 577 | b'1' | b'1' | 43.0 | b'm' | b'White-European' | b'yes' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 578 | b'1' | b'1' | 36.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 579 | b'0' | b'0' | 30.0 | b'f' | b'Asian' | b'no' | b'yes' |
| 580 | b'0' | b'0' | 44.0 | b'm' | b'Black' | b'no' | b'no' |
| 581 | b'0' | b'1' | 40.0 | b'f' | b'Black' | b'no' | b'no' |
| 582 | b'1' | b'0' | 40.0 | b'f' | b'Black' | b'yes' | b'no' |
| 583 | b'1' | b'0' | 40.0 | b'f' | b'Black' | b'yes' | b'yes' |
| 584 | b'0' | b'1' | 30.0 | b'm' | b'Others' | b'no' | b'no' |
| 585 | b'0' | b'1' | 47.0 | b'f' | b'White-European' | b'no' | b'no' |
| 586 | b'1' | b'1' | 21.0 | b'm' | b'Black' | b'no' | b'no' |
| 587 | b'1' | b'1' | 21.0 | b'm' | b'Black' | b'no' | b'no' |
| 588 | b'1' | b'1' | 31.0 | b'f' | b'White-European' | b'no' | b'no' |
| 589 | b'0' | b'0' | 21.0 | b'f' | b'Asian' | b'no' | b'no' |
| 590 | b'1' | b'0' | 29.0 | b'f' | b'Asian' | b'no' | b'no' |
| 591 | b'1' | b'0' | 22.0 | b'm' | b''Middle Eastern '' | b'no' | b'no' |
| 592 | b'1' | b'1' | 51.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 593 | b'0' | b'0' | 23.0 | b'm' | b'White-European' | b'no' | b'no' |
| 594 | b'1' | b'1' | 30.0 | b'm' | b'Asian' | b'no' | b'no' |
| 595 | b'0' | b'0' | 22.0 | b'm' | b'Others' | b'no' | b'no' |
| 596 | b'0' | b'1' | 22.0 | b'm' | b'Asian' | b'no' | b'no' |
| 597 | b'0' | b'1' | 24.0 | b'm' | b'Asian' | b'no' | b'no' |
| 598 | b'0' | b'1' | 26.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 599 | b'1' | b'1' | 33.0 | b'f' | b'Asian' | b'no' | b'no' |
| 600 | b'1' | b'0' | 23.0 | b'm' | b'Asian' | b'no' | b'no' |
| 601 | b'0' | b'0' | 42.0 | b'f' | b'Asian' | b'no' | b'no' |
| 602 | b'0' | b'0' | 26.0 | b'f' | b'Asian' | b'no' | b'no' |
| 603 | b'0' | b'0' | 29.0 | b'f' | b'Asian' | b'no' | b'no' |
| 604 | b'0' | b'1' | 35.0 | b'f' | b'Asian' | b'no' | b'no' |
| 605 | b'0' | b'0' | 25.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 606 | b'0' | b'0' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 607 | b'0' | b'0' | 28.0 | b'f' | b'Asian' | b'yes' | b'no' |
| 608 | b'0' | b'0' | 33.0 | b'm' | b'White-European' | b'no' | b'no' |
| 609 | b'0' | b'0' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 610 | b'0' | b'1' | 25.0 | b'm' | b'Asian' | b'no' | b'no' |
| 611 | b'0' | b'0' | 24.0 | b'm' | b'Asian' | b'no' | b'no' |
| 612 | b'0' | b'1' | 27.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 613 | b'0' | b'0' | 22.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 614 | b'0' | b'1' | 21.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 615 | b'0' | b'1' | 27.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 616 | b'0' | b'0' | 23.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 617 | b'0' | b'1' | 22.0 | b'm' | b'Asian' | b'no' | b'no' |
| 618 | b'0' | b'1' | 23.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 619 | b'0' | b'1' | 30.0 | b'm' | b'Asian' | b'no' | b'no' |
| 620 | b'0' | b'0' | 33.0 | b'm' | b'Asian' | b'no' | b'no' |
| 621 | b'1' | b'0' | 24.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 622 | b'0' | b'0' | 22.0 | b'f' | b'Asian' | b'no' | b'no' |
| 623 | b'1' | b'1' | 22.0 | b'm' | b'Asian' | b'no' | b'no' |
| 624 | b'0' | b'1' | 29.0 | b'f' | b''South Asian'' | b'no' | b'no' |
| 625 | b'0' | b'1' | 22.0 | b'f' | b'Asian' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|----------------------|--------|--------|
| 626 | b'0' | b'0' | 21.0 | b'm' | b'Asian' | b'yes' | b'no' |
| 627 | b'0' | b'0' | 23.0 | b'm' | b'Asian' | b'no' | b'no' |
| 628 | b'0' | b'1' | 23.0 | b'f' | b'Others' | b'no' | b'no' |
| 629 | b'1' | b'1' | 23.0 | b'f' | b'Asian' | b'no' | b'no' |
| 630 | b'0' | b'0' | 32.0 | b'm' | b'Asian' | b'no' | b'no' |
| 631 | b'0' | b'1' | 27.0 | b'm' | b'Asian' | b'no' | b'no' |
| 632 | b'0' | b'0' | 28.0 | b'f' | b'Asian' | b'no' | b'no' |
| 633 | b'1' | b'1' | 25.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 634 | b'1' | b'1' | 22.0 | b'm' | b'Black' | b'no' | b'no' |
| 635 | b'0' | b'1' | 36.0 | b'm' | b'White-European' | b'no' | b'no' |
| 636 | b'0' | b'0' | 27.0 | b'f' | b'White-European' | b'no' | b'no' |
| 637 | b'1' | b'1' | 21.0 | b'f' | b'White-European' | b'no' | b'no' |
| 638 | b'0' | b'0' | 18.0 | b'm' | b'Black' | b'no' | b'no' |
| 639 | b'1' | b'1' | 49.0 | b'm' | b'Black' | b'no' | b'no' |
| 640 | b'0' | b'0' | 18.0 | b'm' | b'Asian' | b'no' | b'no' |
| 641 | b'1' | b'0' | 29.0 | b'm' | b'Latino' | b'no' | b'no' |
| 642 | b'0' | b'0' | 31.0 | b'f' | b'White-European' | b'no' | b'no' |
| 643 | b'0' | b'0' | 37.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 644 | b'0' | b'1' | 17.0 | b'm' | b''Middle Eastern '' | b'yes' | b'no' |
| 645 | b'1' | b'1' | 17.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 646 | b'0' | b'0' | 38.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 647 | b'0' | b'1' | 18.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 648 | b'0' | b'0' | 31.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 649 | b'0' | b'0' | 33.0 | b'm' | b''Middle Eastern '' | b'yes' | b'no' |
| 650 | b'0' | b'0' | 32.0 | b'f' | b''Middle Eastern '' | b'yes' | b'no' |
| 651 | b'0' | b'1' | 30.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 652 | b'0' | b'1' | 33.0 | b'f' | b'White-European' | b'no' | b'no' |
| 653 | b'1' | b'1' | 30.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 654 | b'1' | b'1' | 30.0 | b'm' | b'Asian' | b'no' | b'no' |
| 655 | b'0' | b'1' | 38.0 | b'f' | b'White-European' | b'no' | b'yes' |
| 656 | b'1' | b'1' | 22.0 | b'm' | b'Asian' | b'no' | b'no' |
| 657 | b'1' | b'0' | 36.0 | b'm' | b'others' | b'no' | b'no' |
| 658 | b'0' | b'0' | 43.0 | b'm' | b'White-European' | b'no' | b'no' |
| 659 | b'1' | b'1' | 44.0 | b'm' | b'White-European' | b'no' | b'no' |
| 660 | b'1' | b'1' | 20.0 | b'f' | b'White-European' | b'no' | b'no' |
| 661 | b'1' | b'1' | 40.0 | b'f' | b'Others' | b'yes' | b'yes' |
| 662 | b'1' | b'0' | 25.0 | b'm' | b'White-European' | b'no' | b'no' |
| 663 | b'0' | b'1' | 28.0 | b'm' | b'White-European' | b'no' | b'no' |
| 664 | b'0' | b'1' | 17.0 | b'm' | b'White-European' | b'no' | b'no' |
| 665 | b'1' | b'1' | 34.0 | b'm' | b'White-European' | b'no' | b'no' |
| 666 | b'0' | b'0' | 56.0 | b'm' | b'White-European' | b'no' | b'no' |
| 667 | b'0' | b'0' | 50.0 | b'f' | b''Middle Eastern '' | b'no' | b'no' |
| 668 | b'0' | b'1' | 38.0 | b'm' | b'White-European' | b'no' | b'no' |
| 669 | b'1' | b'1' | 47.0 | b'm' | b'White-European' | b'no' | b'no' |
| 670 | b'1' | b'1' | 30.0 | b'm' | b'Others' | b'no' | b'no' |
| 671 | b'0' | b'1' | 21.0 | b'm' | b'Hispanic' | b'no' | b'no' |
| 672 | b'0' | b'1' | 21.0 | b'm' | b'White-European' | b'no' | b'no' |
| 673 | b'1' | b'1' | 31.0 | b'm' | b'Latino' | b'no' | b'no' |

| | | | | | | | |
|-----|------|------|------|------|-------------------|--------|--------|
| 674 | b'0' | b'1' | 27.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 675 | b'1' | b'0' | 24.0 | b'f' | b'White-European' | b'yes' | b'no' |
| 676 | b'0' | b'1' | 35.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 677 | b'0' | b'1' | 18.0 | b'm' | b'Black' | b'no' | b'no' |
| 678 | b'1' | b'1' | 43.0 | b'f' | b'Black' | b'no' | b'no' |
| 679 | b'1' | b'1' | 44.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 680 | b'1' | b'1' | 40.0 | b'm' | b'White-European' | b'yes' | b'yes' |
| 681 | b'1' | b'1' | 49.0 | b'f' | b'Hispanic' | b'no' | b'no' |
| 682 | b'0' | b'0' | 24.0 | b'm' | b'Hispanic' | b'no' | b'no' |
| 683 | b'1' | b'0' | 30.0 | b'f' | b'White-European' | b'yes' | b'yes' |
| 684 | b'0' | b'1' | 53.0 | b'm' | b'Hispanic' | b'no' | b'no' |
| 685 | b'1' | b'1' | 38.0 | b'm' | b'White-European' | b'no' | b'yes' |
| 686 | b'0' | b'1' | 28.0 | b'm' | b'White-European' | b'no' | b'no' |
| 687 | b'1' | b'1' | 28.0 | b'm' | b'White-European' | b'no' | b'no' |
| 688 | b'1' | b'1' | 26.0 | b'm' | b'Black' | b'no' | b'no' |
| 689 | b'1' | b'1' | 39.0 | b'f' | b'White-European' | b'no' | b'no' |
| 690 | b'0' | b'0' | 31.0 | b'f' | b'Asian' | b'yes' | b'no' |
| 691 | b'0' | b'0' | 24.0 | b'm' | b'Black' | b'no' | b'no' |
| 692 | b'0' | b'1' | 28.0 | b'm' | b'White-European' | b'no' | b'no' |
| 693 | b'0' | b'1' | 31.0 | b'f' | b'White-European' | b'no' | b'no' |
| 694 | b'0' | b'1' | 27.0 | b'm' | b'White-European' | b'yes' | b'no' |
| 695 | b'0' | b'0' | 28.0 | b'm' | b'Latino' | b'no' | b'no' |
| 696 | b'1' | b'1' | 31.0 | b'm' | b'Turkish' | b'no' | b'yes' |
| 697 | b'0' | b'1' | 46.0 | b'f' | b'Asian' | b'no' | b'no' |
| 698 | b'1' | b'1' | 27.0 | b'f' | b'Pasifika' | b'no' | b'no' |
| 699 | b'1' | b'1' | 25.0 | b'f' | b'White-European' | b'no' | b'no' |
| 700 | b'0' | b'1' | 34.0 | b'm' | b'Hispanic' | b'no' | b'no' |
| 701 | b'0' | b'1' | 24.0 | b'f' | b'White-European' | b'no' | b'no' |
| 702 | b'1' | b'1' | 35.0 | b'm' | b''South Asian'' | b'no' | b'no' |
| 703 | b'1' | b'1' | 26.0 | b'f' | b'White-European' | b'no' | b'no' |

| | contry_of_res | used_app_before | result | age_desc | \ |
|----|--------------------|-----------------|--------|------------------|---|
| 0 | b''United States'' | b'no' | 6.0 | b''18 and more'' | |
| 1 | b'Brazil' | b'no' | 5.0 | b''18 and more'' | |
| 2 | b'Spain' | b'no' | 8.0 | b''18 and more'' | |
| 3 | b''United States'' | b'no' | 6.0 | b''18 and more'' | |
| 4 | b'Egypt' | b'no' | 2.0 | b''18 and more'' | |
| 5 | b''United States'' | b'no' | 9.0 | b''18 and more'' | |
| 6 | b''United States'' | b'no' | 2.0 | b''18 and more'' | |
| 7 | b''New Zealand'' | b'no' | 5.0 | b''18 and more'' | |
| 8 | b''United States'' | b'no' | 6.0 | b''18 and more'' | |
| 9 | b'Bahamas' | b'no' | 8.0 | b''18 and more'' | |
| 10 | b''United States'' | b'no' | 10.0 | b''18 and more'' | |
| 11 | b'Burundi' | b'no' | 6.0 | b''18 and more'' | |
| 12 | b'Bahamas' | b'no' | 6.0 | b''18 and more'' | |
| 13 | b'Austria' | b'no' | 4.0 | b''18 and more'' | |
| 14 | b'Argentina' | b'no' | 4.0 | b''18 and more'' | |
| 15 | b''New Zealand'' | b'no' | 6.0 | b''18 and more'' | |

| | | | | |
|----|----------------------------|--------|------|------------------|
| 16 | b' Jordan' | b'no' | 5.0 | b''18 and more'' |
| 17 | b' Ireland' | b'no' | 2.0 | b''18 and more'' |
| 18 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 19 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 20 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 21 | b'''United Arab Emirates'' | b'no' | 0.0 | b''18 and more'' |
| 22 | b' Afghanistan' | b'no' | 5.0 | b''18 and more'' |
| 23 | b'''United Arab Emirates'' | b'no' | 2.0 | b''18 and more'' |
| 24 | b' Lebanon' | b'no' | 5.0 | b''18 and more'' |
| 25 | b' Afghanistan' | b'no' | 3.0 | b''18 and more'' |
| 26 | b'''United Arab Emirates'' | b'no' | 1.0 | b''18 and more'' |
| 27 | b' Afghanistan' | b'no' | 1.0 | b''18 and more'' |
| 28 | b'' New Zealand'' | b'no' | 1.0 | b''18 and more'' |
| 29 | b'''United Kingdom'' | b'no' | 4.0 | b''18 and more'' |
| 30 | b'''United Kingdom'' | b'no' | 0.0 | b''18 and more'' |
| 31 | b'''United States'' | b'no' | 7.0 | b''18 and more'' |
| 32 | b'' New Zealand'' | b'no' | 4.0 | b''18 and more'' |
| 33 | b'''South Africa'' | b'no' | 10.0 | b''18 and more'' |
| 34 | b'''South Africa'' | b'no' | 10.0 | b''18 and more'' |
| 35 | b'' New Zealand'' | b'no' | 1.0 | b''18 and more'' |
| 36 | b'''United Arab Emirates'' | b'no' | 6.0 | b''18 and more'' |
| 37 | b'' New Zealand'' | b'no' | 6.0 | b''18 and more'' |
| 38 | b'' New Zealand'' | b'no' | 7.0 | b''18 and more'' |
| 39 | b'''United States'' | b'no' | 8.0 | b''18 and more'' |
| 40 | b' Italy' | b'no' | 7.0 | b''18 and more'' |
| 41 | b' Pakistan' | b'no' | 2.0 | b''18 and more'' |
| 42 | b' Egypt' | b'no' | 3.0 | b''18 and more'' |
| 43 | b'''United States'' | b'no' | 4.0 | b''18 and more'' |
| 44 | b'' New Zealand'' | b'no' | 8.0 | b''18 and more'' |
| 45 | b'' New Zealand'' | b'no' | 7.0 | b''18 and more'' |
| 46 | b'' New Zealand'' | b'no' | 5.0 | b''18 and more'' |
| 47 | b'' New Zealand'' | b'no' | 4.0 | b''18 and more'' |
| 48 | b'' New Zealand'' | b'no' | 3.0 | b''18 and more'' |
| 49 | b' Bangladesh' | b'no' | 6.0 | b''18 and more'' |
| 50 | b' Chile' | b'no' | 3.0 | b''18 and more'' |
| 51 | b' France' | b'no' | 10.0 | b''18 and more'' |
| 52 | b'' New Zealand'' | b'no' | 1.0 | b''18 and more'' |
| 53 | b' Brazil' | b'no' | 8.0 | b''18 and more'' |
| 54 | b'''United States'' | b'no' | 10.0 | b''18 and more'' |
| 55 | b' China' | b'no' | 9.0 | b''18 and more'' |
| 56 | b' Australia' | b'no' | 8.0 | b''18 and more'' |
| 57 | b' Australia' | b'no' | 9.0 | b''18 and more'' |
| 58 | b' Canada' | b'no' | 3.0 | b''18 and more'' |
| 59 | b' Australia' | b'no' | 5.0 | b''18 and more'' |
| 60 | b' Canada' | b'no' | 8.0 | b''18 and more'' |
| 61 | b' Canada' | b'yes' | 7.0 | b''18 and more'' |
| 62 | b'''Saudi Arabia'' | b'no' | 0.0 | b''18 and more'' |
| 63 | b' Australia' | b'no' | 5.0 | b''18 and more'' |

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|-----|---------------------|-------|------|------------------|
| 64 | b'Australia' | b'no' | 9.0 | b"'18 and more'" |
| 65 | b"'United States'" | b'no' | 3.0 | b"'18 and more'" |
| 66 | b'France' | b'no' | 2.0 | b"'18 and more'" |
| 67 | b"'United States'" | b'no' | 6.0 | b"'18 and more'" |
| 68 | b"'Saudi Arabia'" | b'no' | 4.0 | b"'18 and more'" |
| 69 | b"'New Zealand'" | b'no' | 1.0 | b"'18 and more'" |
| 70 | b"'New Zealand'" | b'no' | 5.0 | b"'18 and more'" |
| 71 | b"'New Zealand'" | b'no' | 3.0 | b"'18 and more'" |
| 72 | b"'United States'" | b'no' | 6.0 | b"'18 and more'" |
| 73 | b"'United States'" | b'no' | 6.0 | b"'18 and more'" |
| 74 | b"'United States'" | b'no' | 6.0 | b"'18 and more'" |
| 75 | b"'United States'" | b'no' | 7.0 | b"'18 and more'" |
| 76 | b"'United States'" | b'no' | 3.0 | b"'18 and more'" |
| 77 | b"'United States'" | b'no' | 8.0 | b"'18 and more'" |
| 78 | b"'United States'" | b'no' | 4.0 | b"'18 and more'" |
| 79 | b'Jordan' | b'no' | 2.0 | b"'18 and more'" |
| 80 | b'Afghanistan' | b'no' | 5.0 | b"'18 and more'" |
| 81 | b'Jordan' | b'no' | 3.0 | b"'18 and more'" |
| 82 | b'Netherlands' | b'no' | 10.0 | b"'18 and more'" |
| 83 | b'Jordan' | b'no' | 4.0 | b"'18 and more'" |
| 84 | b"'New Zealand'" | b'no' | 2.0 | b"'18 and more'" |
| 85 | b"'United States'" | b'no' | 3.0 | b"'18 and more'" |
| 86 | b'Afghanistan' | b'no' | 8.0 | b"'18 and more'" |
| 87 | b"'United Kingdom'" | b'no' | 1.0 | b"'18 and more'" |
| 88 | b"'United Kingdom'" | b'no' | 4.0 | b"'18 and more'" |
| 89 | b"'New Zealand'" | b'no' | 9.0 | b"'18 and more'" |
| 90 | b'Romania' | b'no' | 4.0 | b"'18 and more'" |
| 91 | b'Jordan' | b'no' | 4.0 | b"'18 and more'" |
| 92 | b"'New Zealand'" | b'no' | 5.0 | b"'18 and more'" |
| 93 | b'Brazil' | b'no' | 8.0 | b"'18 and more'" |
| 94 | b'Sweden' | b'no' | 8.0 | b"'18 and more'" |
| 95 | b"'United Kingdom'" | b'no' | 4.0 | b"'18 and more'" |
| 96 | b'Australia' | b'no' | 4.0 | b"'18 and more'" |
| 97 | b"'New Zealand'" | b'no' | 4.0 | b"'18 and more'" |
| 98 | b'Tonga' | b'no' | 3.0 | b"'18 and more'" |
| 99 | b'Oman' | b'no' | 1.0 | b"'18 and more'" |
| 100 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 101 | b'Philippines' | b'no' | 2.0 | b"'18 and more'" |
| 102 | b"'New Zealand'" | b'no' | 3.0 | b"'18 and more'" |
| 103 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 104 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 105 | b'India' | b'no' | 0.0 | b"'18 and more'" |
| 106 | b"'New Zealand'" | b'no' | 6.0 | b"'18 and more'" |
| 107 | b"'United States'" | b'no' | 7.0 | b"'18 and more'" |
| 108 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 109 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 110 | b"'New Zealand'" | b'no' | 9.0 | b"'18 and more'" |
| 111 | b"'United Kingdom'" | b'no' | 6.0 | b"'18 and more'" |

| | | | | |
|-----|---------------------------|-------|------|------------------|
| 112 | b''Sri Lanka'' | b'no' | 3.0 | b''18 and more'' |
| 113 | b''New Zealand'' | b'no' | 4.0 | b''18 and more'' |
| 114 | b''United Arab Emirates'' | b'no' | 8.0 | b''18 and more'' |
| 115 | b''United Kingdom'' | b'no' | 7.0 | b''18 and more'' |
| 116 | b''United States'' | b'no' | 8.0 | b''18 and more'' |
| 117 | b''United States'' | b'no' | 6.0 | b''18 and more'' |
| 118 | b'Canada' | b'no' | 9.0 | b''18 and more'' |
| 119 | b''United States'' | b'no' | 7.0 | b''18 and more'' |
| 120 | b''United Kingdom'' | b'no' | 9.0 | b''18 and more'' |
| 121 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 122 | b'Spain' | b'no' | 1.0 | b''18 and more'' |
| 123 | b''Sierra Leone'' | b'no' | 7.0 | b''18 and more'' |
| 124 | b'Australia' | b'no' | 9.0 | b''18 and more'' |
| 125 | b''New Zealand'' | b'no' | 7.0 | b''18 and more'' |
| 126 | b'Australia' | b'no' | 0.0 | b''18 and more'' |
| 127 | b'Canada' | b'no' | 6.0 | b''18 and more'' |
| 128 | b''United Kingdom'' | b'no' | 5.0 | b''18 and more'' |
| 129 | b'Ireland' | b'no' | 4.0 | b''18 and more'' |
| 130 | b''United States'' | b'no' | 3.0 | b''18 and more'' |
| 131 | b'Ethiopia' | b'no' | 3.0 | b''18 and more'' |
| 132 | b'India' | b'no' | 3.0 | b''18 and more'' |
| 133 | b'India' | b'no' | 5.0 | b''18 and more'' |
| 134 | b''New Zealand'' | b'no' | 5.0 | b''18 and more'' |
| 135 | b''New Zealand'' | b'no' | 6.0 | b''18 and more'' |
| 136 | b''New Zealand'' | b'no' | 5.0 | b''18 and more'' |
| 137 | b'India' | b'no' | 2.0 | b''18 and more'' |
| 138 | b''New Zealand'' | b'no' | 3.0 | b''18 and more'' |
| 139 | b''New Zealand'' | b'no' | 2.0 | b''18 and more'' |
| 140 | b'India' | b'no' | 4.0 | b''18 and more'' |
| 141 | b'India' | b'no' | 2.0 | b''18 and more'' |
| 142 | b'India' | b'no' | 3.0 | b''18 and more'' |
| 143 | b'India' | b'no' | 4.0 | b''18 and more'' |
| 144 | b''New Zealand'' | b'no' | 1.0 | b''18 and more'' |
| 145 | b''United States'' | b'no' | 8.0 | b''18 and more'' |
| 146 | b'Australia' | b'no' | 9.0 | b''18 and more'' |
| 147 | b'Romania' | b'no' | 10.0 | b''18 and more'' |
| 148 | b''United States'' | b'no' | 7.0 | b''18 and more'' |
| 149 | b''United States'' | b'no' | 8.0 | b''18 and more'' |
| 150 | b''New Zealand'' | b'no' | 2.0 | b''18 and more'' |
| 151 | b''Viet Nam'' | b'no' | 7.0 | b''18 and more'' |
| 152 | b''New Zealand'' | b'no' | 4.0 | b''18 and more'' |
| 153 | b''Sri Lanka'' | b'no' | 5.0 | b''18 and more'' |
| 154 | b''Sri Lanka'' | b'no' | 4.0 | b''18 and more'' |
| 155 | b''New Zealand'' | b'no' | 3.0 | b''18 and more'' |
| 156 | b''Sri Lanka'' | b'no' | 4.0 | b''18 and more'' |
| 157 | b''Sri Lanka'' | b'no' | 4.0 | b''18 and more'' |
| 158 | b'India' | b'no' | 4.0 | b''18 and more'' |
| 159 | b'India' | b'no' | 3.0 | b''18 and more'' |

| | | | | |
|-----|---------------------|--------|------|------------------|
| 160 | b'India' | b'no' | 0.0 | b''18 and more'' |
| 161 | b'India' | b'no' | 2.0 | b''18 and more'' |
| 162 | b''New Zealand'' | b'no' | 1.0 | b''18 and more'' |
| 163 | b''Sri Lanka'' | b'no' | 3.0 | b''18 and more'' |
| 164 | b''New Zealand'' | b'no' | 6.0 | b''18 and more'' |
| 165 | b''Sri Lanka'' | b'no' | 5.0 | b''18 and more'' |
| 166 | b'India' | b'no' | 4.0 | b''18 and more'' |
| 167 | b''Sri Lanka'' | b'no' | 4.0 | b''18 and more'' |
| 168 | b'Brazil' | b'no' | 6.0 | b''18 and more'' |
| 169 | b'Brazil' | b'no' | 8.0 | b''18 and more'' |
| 170 | b''United States'' | b'no' | 6.0 | b''18 and more'' |
| 171 | b''New Zealand'' | b'no' | 4.0 | b''18 and more'' |
| 172 | b''Sri Lanka'' | b'no' | 4.0 | b''18 and more'' |
| 173 | b'France' | b'no' | 2.0 | b''18 and more'' |
| 174 | b'Canada' | b'no' | 3.0 | b''18 and more'' |
| 175 | b''United States'' | b'no' | 6.0 | b''18 and more'' |
| 176 | b''United States'' | b'yes' | 9.0 | b''18 and more'' |
| 177 | b'Iran' | b'no' | 6.0 | b''18 and more'' |
| 178 | b'Iran' | b'no' | 5.0 | b''18 and more'' |
| 179 | b'Australia' | b'no' | 4.0 | b''18 and more'' |
| 180 | b'Australia' | b'no' | 4.0 | b''18 and more'' |
| 181 | b''Viet Nam'' | b'no' | 5.0 | b''18 and more'' |
| 182 | b''United States'' | b'no' | 6.0 | b''18 and more'' |
| 183 | b''New Zealand'' | b'no' | 4.0 | b''18 and more'' |
| 184 | b''United States'' | b'no' | 5.0 | b''18 and more'' |
| 185 | b'India' | b'no' | 7.0 | b''18 and more'' |
| 186 | b'Netherlands' | b'no' | 4.0 | b''18 and more'' |
| 187 | b'Australia' | b'no' | 4.0 | b''18 and more'' |
| 188 | b''United States'' | b'no' | 8.0 | b''18 and more'' |
| 189 | b''United Kingdom'' | b'no' | 5.0 | b''18 and more'' |
| 190 | b''United Kingdom'' | b'no' | 9.0 | b''18 and more'' |
| 191 | b''Costa Rica'' | b'no' | 5.0 | b''18 and more'' |
| 192 | b''United States'' | b'no' | 3.0 | b''18 and more'' |
| 193 | b''United Kingdom'' | b'no' | 2.0 | b''18 and more'' |
| 194 | b''United Kingdom'' | b'no' | 3.0 | b''18 and more'' |
| 195 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 196 | b''United States'' | b'no' | 10.0 | b''18 and more'' |
| 197 | b'Germany' | b'no' | 9.0 | b''18 and more'' |
| 198 | b''United States'' | b'no' | 7.0 | b''18 and more'' |
| 199 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 200 | b'Australia' | b'no' | 9.0 | b''18 and more'' |
| 201 | b''United States'' | b'no' | 6.0 | b''18 and more'' |
| 202 | b''United States'' | b'no' | 7.0 | b''18 and more'' |
| 203 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 204 | b''United States'' | b'no' | 3.0 | b''18 and more'' |
| 205 | b''United States'' | b'no' | 10.0 | b''18 and more'' |
| 206 | b''United States'' | b'no' | 10.0 | b''18 and more'' |
| 207 | b''United States'' | b'yes' | 7.0 | b''18 and more'' |

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|-----|---------------------------|-------|------|------------------|
| 208 | b''United Kingdom'' | b'no' | 6.0 | b''18 and more'' |
| 209 | b''United States'' | b'no' | 8.0 | b''18 and more'' |
| 210 | b''United Kingdom'' | b'no' | 9.0 | b''18 and more'' |
| 211 | b'India' | b'no' | 5.0 | b''18 and more'' |
| 212 | b''United Kingdom'' | b'no' | 6.0 | b''18 and more'' |
| 213 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 214 | b''United States'' | b'no' | 5.0 | b''18 and more'' |
| 215 | b'Spain' | b'no' | 8.0 | b''18 and more'' |
| 216 | b''United Arab Emirates'' | b'no' | 4.0 | b''18 and more'' |
| 217 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 218 | b'Bangladesh' | b'no' | 7.0 | b''18 and more'' |
| 219 | b''United States'' | b'no' | 2.0 | b''18 and more'' |
| 220 | b''United Kingdom'' | b'no' | 3.0 | b''18 and more'' |
| 221 | b'Afghanistan' | b'no' | 1.0 | b''18 and more'' |
| 222 | b''United Kingdom'' | b'no' | 6.0 | b''18 and more'' |
| 223 | b''United Kingdom'' | b'no' | 8.0 | b''18 and more'' |
| 224 | b''United Kingdom'' | b'no' | 9.0 | b''18 and more'' |
| 225 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 226 | b'India' | b'no' | 9.0 | b''18 and more'' |
| 227 | b''United States'' | b'no' | 1.0 | b''18 and more'' |
| 228 | b'Mexico' | b'no' | 5.0 | b''18 and more'' |
| 229 | b''New Zealand'' | b'no' | 10.0 | b''18 and more'' |
| 230 | b''New Zealand'' | b'no' | 3.0 | b''18 and more'' |
| 231 | b''United Kingdom'' | b'no' | 2.0 | b''18 and more'' |
| 232 | b''New Zealand'' | b'no' | 3.0 | b''18 and more'' |
| 233 | b''New Zealand'' | b'no' | 4.0 | b''18 and more'' |
| 234 | b''New Zealand'' | b'no' | 2.0 | b''18 and more'' |
| 235 | b'India' | b'no' | 2.0 | b''18 and more'' |
| 236 | b''New Zealand'' | b'no' | 6.0 | b''18 and more'' |
| 237 | b''New Zealand'' | b'no' | 2.0 | b''18 and more'' |
| 238 | b'Russia' | b'no' | 3.0 | b''18 and more'' |
| 239 | b''New Zealand'' | b'no' | 2.0 | b''18 and more'' |
| 240 | b''New Zealand'' | b'no' | 5.0 | b''18 and more'' |
| 241 | b''New Zealand'' | b'no' | 6.0 | b''18 and more'' |
| 242 | b'India' | b'no' | 4.0 | b''18 and more'' |
| 243 | b''New Zealand'' | b'no' | 5.0 | b''18 and more'' |
| 244 | b''New Zealand'' | b'no' | 6.0 | b''18 and more'' |
| 245 | b'India' | b'no' | 4.0 | b''18 and more'' |
| 246 | b''New Zealand'' | b'no' | 5.0 | b''18 and more'' |
| 247 | b''New Zealand'' | b'no' | 6.0 | b''18 and more'' |
| 248 | b'India' | b'no' | 2.0 | b''18 and more'' |
| 249 | b''New Zealand'' | b'no' | 8.0 | b''18 and more'' |
| 250 | b''New Zealand'' | b'no' | 3.0 | b''18 and more'' |
| 251 | b'India' | b'no' | 4.0 | b''18 and more'' |
| 252 | b'India' | b'no' | 2.0 | b''18 and more'' |
| 253 | b'India' | b'no' | 2.0 | b''18 and more'' |
| 254 | b''New Zealand'' | b'no' | 3.0 | b''18 and more'' |
| 255 | b'Armenia' | b'no' | 4.0 | b''18 and more'' |

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|-----|---------------------|-------|------|------------------|
| 256 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 257 | b"'New Zealand'" | b'no' | 4.0 | b"'18 and more'" |
| 258 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 259 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 260 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 261 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 262 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 263 | b"'New Zealand'" | b'no' | 0.0 | b"'18 and more'" |
| 264 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 265 | b"'New Zealand'" | b'no' | 7.0 | b"'18 and more'" |
| 266 | b'Iceland' | b'no' | 3.0 | b"'18 and more'" |
| 267 | b"'New Zealand'" | b'no' | 3.0 | b"'18 and more'" |
| 268 | b"'United States'" | b'no' | 5.0 | b"'18 and more'" |
| 269 | b"'New Zealand'" | b'no' | 6.0 | b"'18 and more'" |
| 270 | b'Russia' | b'no' | 7.0 | b"'18 and more'" |
| 271 | b'France' | b'no' | 7.0 | b"'18 and more'" |
| 272 | b'Netherlands' | b'no' | 10.0 | b"'18 and more'" |
| 273 | b"'United Kingdom'" | b'no' | 2.0 | b"'18 and more'" |
| 274 | b"'United States'" | b'no' | 4.0 | b"'18 and more'" |
| 275 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 276 | b'Jordan' | b'no' | 3.0 | b"'18 and more'" |
| 277 | b'Jordan' | b'no' | 2.0 | b"'18 and more'" |
| 278 | b"'United Kingdom'" | b'no' | 9.0 | b"'18 and more'" |
| 279 | b'Nicaragua' | b'no' | 3.0 | b"'18 and more'" |
| 280 | b"'United States'" | b'no' | 1.0 | b"'18 and more'" |
| 281 | b'Australia' | b'no' | 8.0 | b"'18 and more'" |
| 282 | b'France' | b'no' | 7.0 | b"'18 and more'" |
| 283 | b"'United States'" | b'no' | 10.0 | b"'18 and more'" |
| 284 | b"'United Kingdom'" | b'no' | 3.0 | b"'18 and more'" |
| 285 | b"'Hong Kong'" | b'no' | 6.0 | b"'18 and more'" |
| 286 | b"'New Zealand'" | b'no' | 0.0 | b"'18 and more'" |
| 287 | b"'United States'" | b'no' | 5.0 | b"'18 and more'" |
| 288 | b"'New Zealand'" | b'no' | 0.0 | b"'18 and more'" |
| 289 | b"'United Kingdom'" | b'no' | 8.0 | b"'18 and more'" |
| 290 | b'Ireland' | b'no' | 8.0 | b"'18 and more'" |
| 291 | b'Canada' | b'no' | 7.0 | b"'18 and more'" |
| 292 | b"'United Kingdom'" | b'no' | 5.0 | b"'18 and more'" |
| 293 | b"'United Kingdom'" | b'no' | 4.0 | b"'18 and more'" |
| 294 | b'Afghanistan' | b'no' | 0.0 | b"'18 and more'" |
| 295 | b'Canada' | b'no' | 7.0 | b"'18 and more'" |
| 296 | b"'United Kingdom'" | b'no' | 8.0 | b"'18 and more'" |
| 297 | b"'United States'" | b'no' | 8.0 | b"'18 and more'" |
| 298 | b'Australia' | b'no' | 5.0 | b"'18 and more'" |
| 299 | b"'United Kingdom'" | b'no' | 9.0 | b"'18 and more'" |
| 300 | b'Ireland' | b'no' | 3.0 | b"'18 and more'" |
| 301 | b"'United Kingdom'" | b'no' | 10.0 | b"'18 and more'" |
| 302 | b'Netherlands' | b'no' | 6.0 | b"'18 and more'" |
| 303 | b"'United Kingdom'" | b'no' | 2.0 | b"'18 and more'" |

| | | | | |
|-----|---------------------------|--------|------|------------------|
| 304 | b'Afghanistan' | b'no' | 6.0 | b"'18 and more'" |
| 305 | b"'United Kingdom'" | b'no' | 4.0 | b"'18 and more'" |
| 306 | b"'Saudi Arabia'" | b'no' | 7.0 | b"'18 and more'" |
| 307 | b'Austria' | b'no' | 8.0 | b"'18 and more'" |
| 308 | b"'United States'" | b'no' | 8.0 | b"'18 and more'" |
| 309 | b"'United Kingdom'" | b'no' | 7.0 | b"'18 and more'" |
| 310 | b"'United States'" | b'no' | 2.0 | b"'18 and more'" |
| 311 | b"'United States'" | b'no' | 4.0 | b"'18 and more'" |
| 312 | b"'United States'" | b'no' | 7.0 | b"'18 and more'" |
| 313 | b"'United States'" | b'yes' | 7.0 | b"'18 and more'" |
| 314 | b"'New Zealand'" | b'no' | 5.0 | b"'18 and more'" |
| 315 | b"'United Arab Emirates'" | b'no' | 3.0 | b"'18 and more'" |
| 316 | b"'United Arab Emirates'" | b'no' | 4.0 | b"'18 and more'" |
| 317 | b"'United Arab Emirates'" | b'no' | 4.0 | b"'18 and more'" |
| 318 | b"'United Arab Emirates'" | b'no' | 6.0 | b"'18 and more'" |
| 319 | b"'United Arab Emirates'" | b'no' | 0.0 | b"'18 and more'" |
| 320 | b"'United Arab Emirates'" | b'no' | 2.0 | b"'18 and more'" |
| 321 | b"'United Arab Emirates'" | b'no' | 4.0 | b"'18 and more'" |
| 322 | b"'United Arab Emirates'" | b'no' | 8.0 | b"'18 and more'" |
| 323 | b'Bangladesh' | b'no' | 4.0 | b"'18 and more'" |
| 324 | b"'United Arab Emirates'" | b'no' | 2.0 | b"'18 and more'" |
| 325 | b"'United Arab Emirates'" | b'no' | 5.0 | b"'18 and more'" |
| 326 | b"'United Arab Emirates'" | b'no' | 5.0 | b"'18 and more'" |
| 327 | b"'United Arab Emirates'" | b'no' | 2.0 | b"'18 and more'" |
| 328 | b"'United Arab Emirates'" | b'no' | 4.0 | b"'18 and more'" |
| 329 | b"'United Arab Emirates'" | b'no' | 3.0 | b"'18 and more'" |
| 330 | b"'United Arab Emirates'" | b'no' | 4.0 | b"'18 and more'" |
| 331 | b'Austria' | b'no' | 10.0 | b"'18 and more'" |
| 332 | b"'United Kingdom'" | b'no' | 7.0 | b"'18 and more'" |
| 333 | b'Canada' | b'no' | 5.0 | b"'18 and more'" |
| 334 | b"'United Kingdom'" | b'no' | 5.0 | b"'18 and more'" |
| 335 | b"'United Kingdom'" | b'no' | 6.0 | b"'18 and more'" |
| 336 | b'Jordan' | b'no' | 4.0 | b"'18 and more'" |
| 337 | b'Jordan' | b'no' | 3.0 | b"'18 and more'" |
| 338 | b'Jordan' | b'no' | 4.0 | b"'18 and more'" |
| 339 | b'Jordan' | b'no' | 2.0 | b"'18 and more'" |
| 340 | b'Jordan' | b'no' | 6.0 | b"'18 and more'" |
| 341 | b'Jordan' | b'no' | 6.0 | b"'18 and more'" |
| 342 | b'Jordan' | b'no' | 3.0 | b"'18 and more'" |
| 343 | b'Jordan' | b'no' | 2.0 | b"'18 and more'" |
| 344 | b'Jordan' | b'no' | 5.0 | b"'18 and more'" |
| 345 | b'Jordan' | b'no' | 1.0 | b"'18 and more'" |
| 346 | b'Jordan' | b'no' | 5.0 | b"'18 and more'" |
| 347 | b'Jordan' | b'no' | 1.0 | b"'18 and more'" |
| 348 | b'Jordan' | b'no' | 8.0 | b"'18 and more'" |
| 349 | b'Jordan' | b'no' | 5.0 | b"'18 and more'" |
| 350 | b'Argentina' | b'no' | 8.0 | b"'18 and more'" |
| .. | ... | ... | ... | ... |

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|-----|----------------------------|--------|-----|------------------|
| 353 | b' Jordan' | b'no' | 3.0 | b''18 and more'' |
| 354 | b' Jordan' | b'no' | 2.0 | b''18 and more'' |
| 355 | b' Japan' | b'no' | 2.0 | b''18 and more'' |
| 356 | b'''United Arab Emirates'' | b'no' | 4.0 | b''18 and more'' |
| 357 | b'''United Arab Emirates'' | b'no' | 2.0 | b''18 and more'' |
| 358 | b'''United Arab Emirates'' | b'no' | 4.0 | b''18 and more'' |
| 359 | b'''United Arab Emirates'' | b'no' | 2.0 | b''18 and more'' |
| 360 | b'''United Arab Emirates'' | b'no' | 4.0 | b''18 and more'' |
| 361 | b'Ukraine' | b'no' | 2.0 | b''18 and more'' |
| 362 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 363 | b'''United Arab Emirates'' | b'no' | 2.0 | b''18 and more'' |
| 364 | b'''United Arab Emirates'' | b'no' | 4.0 | b''18 and more'' |
| 365 | b'''United Arab Emirates'' | b'no' | 4.0 | b''18 and more'' |
| 366 | b'''United Arab Emirates'' | b'no' | 5.0 | b''18 and more'' |
| 367 | b'Russia' | b'no' | 4.0 | b''18 and more'' |
| 368 | b'''United Arab Emirates'' | b'no' | 5.0 | b''18 and more'' |
| 369 | b'''United Arab Emirates'' | b'no' | 2.0 | b''18 and more'' |
| 370 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 371 | b'Afghanistan' | b'no' | 5.0 | b''18 and more'' |
| 372 | b'Kazakhstan' | b'no' | 2.0 | b''18 and more'' |
| 373 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 374 | b''Saudi Arabia'' | b'no' | 5.0 | b''18 and more'' |
| 375 | b'Armenia' | b'yes' | 3.0 | b''18 and more'' |
| 376 | b'''United Arab Emirates'' | b'no' | 2.0 | b''18 and more'' |
| 377 | b'AmericanSamoa' | b'no' | 5.0 | b''18 and more'' |
| 378 | b'''United Arab Emirates'' | b'no' | 2.0 | b''18 and more'' |
| 379 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 380 | b' Jordan' | b'no' | 2.0 | b''18 and more'' |
| 381 | b' Jordan' | b'no' | 2.0 | b''18 and more'' |
| 382 | b' Jordan' | b'no' | 8.0 | b''18 and more'' |
| 383 | b' Jordan' | b'no' | 4.0 | b''18 and more'' |
| 384 | b' Jordan' | b'no' | 3.0 | b''18 and more'' |
| 385 | b' Jordan' | b'no' | 3.0 | b''18 and more'' |
| 386 | b' Jordan' | b'no' | 2.0 | b''18 and more'' |
| 387 | b' Jordan' | b'no' | 6.0 | b''18 and more'' |
| 388 | b' Jordan' | b'no' | 4.0 | b''18 and more'' |
| 389 | b'''United Arab Emirates'' | b'no' | 2.0 | b''18 and more'' |
| 390 | b' Jordan' | b'no' | 3.0 | b''18 and more'' |
| 391 | b'''United Arab Emirates'' | b'no' | 6.0 | b''18 and more'' |
| 392 | b'''United Arab Emirates'' | b'no' | 4.0 | b''18 and more'' |
| 393 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 394 | b'''United Arab Emirates'' | b'no' | 5.0 | b''18 and more'' |
| 395 | b'''United Arab Emirates'' | b'no' | 5.0 | b''18 and more'' |
| 396 | b'''United Arab Emirates'' | b'no' | 4.0 | b''18 and more'' |
| 397 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 398 | b'''United Arab Emirates'' | b'no' | 3.0 | b''18 and more'' |
| 399 | b'Kazakhstan' | b'no' | 1.0 | b''18 and more'' |
| 400 | b'''United Arab Emirates'' | b'no' | 5.0 | b''18 and more'' |

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|-----|-----------------------------|--------|------|--------------------|
| 401 | b'''United Arab Emirates''' | b'no' | 3.0 | b'''18 and more''' |
| 402 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 403 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 404 | b'''United Arab Emirates''' | b'no' | 3.0 | b'''18 and more''' |
| 405 | b'''United Arab Emirates''' | b'no' | 3.0 | b'''18 and more''' |
| 406 | b'''United Arab Emirates''' | b'no' | 5.0 | b'''18 and more''' |
| 407 | b'India' | b'no' | 8.0 | b'''18 and more''' |
| 408 | b'''United Arab Emirates''' | b'no' | 5.0 | b'''18 and more''' |
| 409 | b'''United Arab Emirates''' | b'no' | 2.0 | b'''18 and more''' |
| 410 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 411 | b'''United Arab Emirates''' | b'no' | 3.0 | b'''18 and more''' |
| 412 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 413 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 414 | b'''United Arab Emirates''' | b'no' | 7.0 | b'''18 and more''' |
| 415 | b'''United Arab Emirates''' | b'no' | 2.0 | b'''18 and more''' |
| 416 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 417 | b'''United Arab Emirates''' | b'no' | 5.0 | b'''18 and more''' |
| 418 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 419 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 420 | b'''United Arab Emirates''' | b'no' | 6.0 | b'''18 and more''' |
| 421 | b'Afghanistan' | b'no' | 1.0 | b'''18 and more''' |
| 422 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 423 | b'''United Arab Emirates''' | b'no' | 2.0 | b'''18 and more''' |
| 424 | b'''United Arab Emirates''' | b'no' | 5.0 | b'''18 and more''' |
| 425 | b'''United Arab Emirates''' | b'no' | 4.0 | b'''18 and more''' |
| 426 | b'India' | b'no' | 8.0 | b'''18 and more''' |
| 427 | b'Jordan' | b'no' | 4.0 | b'''18 and more''' |
| 428 | b'Brazil' | b'yes' | 2.0 | b'''18 and more''' |
| 429 | b'Jordan' | b'no' | 6.0 | b'''18 and more''' |
| 430 | b'France' | b'no' | 9.0 | b'''18 and more''' |
| 431 | b'Uruguay' | b'no' | 10.0 | b'''18 and more''' |
| 432 | b'Jordan' | b'no' | 3.0 | b'''18 and more''' |
| 433 | b'Italy' | b'no' | 8.0 | b'''18 and more''' |
| 434 | b'Ukraine' | b'yes' | 3.0 | b'''18 and more''' |
| 435 | b'''United Arab Emirates''' | b'yes' | 2.0 | b'''18 and more''' |
| 436 | b'Serbia' | b'no' | 5.0 | b'''18 and more''' |
| 437 | b'Philippines' | b'no' | 6.0 | b'''18 and more''' |
| 438 | b'Jordan' | b'no' | 4.0 | b'''18 and more''' |
| 439 | b'''United States''' | b'no' | 2.0 | b'''18 and more''' |
| 440 | b'''United States''' | b'no' | 6.0 | b'''18 and more''' |
| 441 | b'Portugal' | b'no' | 2.0 | b'''18 and more''' |
| 442 | b'Australia' | b'no' | 6.0 | b'''18 and more''' |
| 443 | b'Malaysia' | b'no' | 7.0 | b'''18 and more''' |
| 444 | b'Sweden' | b'no' | 7.0 | b'''18 and more''' |
| 445 | b'Australia' | b'no' | 3.0 | b'''18 and more''' |
| 446 | b'Austria' | b'no' | 7.0 | b'''18 and more''' |
| 447 | b'Netherlands' | b'no' | 2.0 | b'''18 and more''' |
| 448 | b'''United States''' | b'no' | 9.0 | b'''18 and more''' |

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|-----|---------------------------|-------|------|------------------|
| 449 | b'Netherlands' | b'no' | 5.0 | b"'18 and more'" |
| 450 | b"'United Arab Emirates'" | b'no' | 3.0 | b"'18 and more'" |
| 451 | b"'United Arab Emirates'" | b'no' | 3.0 | b"'18 and more'" |
| 452 | b'Italy' | b'no' | 7.0 | b"'18 and more'" |
| 453 | b'Jordan' | b'no' | 4.0 | b"'18 and more'" |
| 454 | b"'United Arab Emirates'" | b'no' | 3.0 | b"'18 and more'" |
| 455 | b"'United Kingdom'" | b'no' | 3.0 | b"'18 and more'" |
| 456 | b"'United Arab Emirates'" | b'no' | 4.0 | b"'18 and more'" |
| 457 | b'Philippines' | b'no' | 1.0 | b"'18 and more'" |
| 458 | b"'New Zealand'" | b'no' | 8.0 | b"'18 and more'" |
| 459 | b'Ecuador' | b'no' | 6.0 | b"'18 and more'" |
| 460 | b"'United Kingdom'" | b'no' | 1.0 | b"'18 and more'" |
| 461 | b"'Viet Nam'" | b'no' | 1.0 | b"'18 and more'" |
| 462 | b'Afghanistan' | b'no' | 6.0 | b"'18 and more'" |
| 463 | b"'United Kingdom'" | b'no' | 3.0 | b"'18 and more'" |
| 464 | b"'United States'" | b'no' | 8.0 | b"'18 and more'" |
| 465 | b'Netherlands' | b'no' | 3.0 | b"'18 and more'" |
| 466 | b'Netherlands' | b'no' | 7.0 | b"'18 and more'" |
| 467 | b'Netherlands' | b'no' | 5.0 | b"'18 and more'" |
| 468 | b"'United States'" | b'no' | 10.0 | b"'18 and more'" |
| 469 | b'Malaysia' | b'no' | 1.0 | b"'18 and more'" |
| 470 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 471 | b"'United Kingdom'" | b'no' | 7.0 | b"'18 and more'" |
| 472 | b"'New Zealand'" | b'no' | 4.0 | b"'18 and more'" |
| 473 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 474 | b"'Sri Lanka'" | b'no' | 4.0 | b"'18 and more'" |
| 475 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 476 | b'India' | b'no' | 0.0 | b"'18 and more'" |
| 477 | b'India' | b'no' | 2.0 | b"'18 and more'" |
| 478 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 479 | b'India' | b'no' | 1.0 | b"'18 and more'" |
| 480 | b"'Sri Lanka'" | b'no' | 4.0 | b"'18 and more'" |
| 481 | b"'United Kingdom'" | b'no' | 2.0 | b"'18 and more'" |
| 482 | b"'United Kingdom'" | b'no' | 2.0 | b"'18 and more'" |
| 483 | b"'United States'" | b'no' | 6.0 | b"'18 and more'" |
| 484 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 485 | b'Jordan' | b'no' | 3.0 | b"'18 and more'" |
| 486 | b"'United Kingdom'" | b'no' | 9.0 | b"'18 and more'" |
| 487 | b"'United States'" | b'no' | 7.0 | b"'18 and more'" |
| 488 | b'Niger' | b'no' | 4.0 | b"'18 and more'" |
| 489 | b'Romania' | b'no' | 5.0 | b"'18 and more'" |
| 490 | b'Canada' | b'no' | 7.0 | b"'18 and more'" |
| 491 | b'Germany' | b'no' | 0.0 | b"'18 and more'" |
| 492 | b'Mexico' | b'no' | 5.0 | b"'18 and more'" |
| 493 | b'Mexico' | b'no' | 10.0 | b"'18 and more'" |
| 494 | b"'United Kingdom'" | b'no' | 6.0 | b"'18 and more'" |
| 495 | b"'United States'" | b'no' | 3.0 | b"'18 and more'" |
| 496 | b"'Viet Nam'" | b'no' | 3.0 | b"'18 and more'" |

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|-----|---------------------------|--------|------|------------------|
| 497 | b'India' | b'no' | 8.0 | b"'18 and more'" |
| 498 | b'Canada' | b'no' | 8.0 | b"'18 and more'" |
| 499 | b'France' | b'no' | 3.0 | b"'18 and more'" |
| 500 | b'France' | b'no' | 5.0 | b"'18 and more'" |
| 501 | b'Mexico' | b'no' | 8.0 | b"'18 and more'" |
| 502 | b'Belgium' | b'no' | 4.0 | b"'18 and more'" |
| 503 | b"'United Kingdom'" | b'no' | 6.0 | b"'18 and more'" |
| 504 | b"'United Kingdom'" | b'no' | 8.0 | b"'18 and more'" |
| 505 | b"'United Kingdom'" | b'no' | 6.0 | b"'18 and more'" |
| 506 | b"'United Kingdom'" | b'no' | 4.0 | b"'18 and more'" |
| 507 | b'Belgium' | b'no' | 4.0 | b"'18 and more'" |
| 508 | b"'United Kingdom'" | b'no' | 10.0 | b"'18 and more'" |
| 509 | b"'United States'" | b'no' | 2.0 | b"'18 and more'" |
| 510 | b"'United States'" | b'no' | 8.0 | b"'18 and more'" |
| 511 | b"'United Kingdom'" | b'no' | 9.0 | b"'18 and more'" |
| 512 | b"'Viet Nam'" | b'no' | 4.0 | b"'18 and more'" |
| 513 | b"'United Kingdom'" | b'no' | 3.0 | b"'18 and more'" |
| 514 | b"'United States'" | b'no' | 9.0 | b"'18 and more'" |
| 515 | b'Australia' | b'no' | 9.0 | b"'18 and more'" |
| 516 | b"'United States'" | b'no' | 4.0 | b"'18 and more'" |
| 517 | b'AmericanSamoa' | b'no' | 7.0 | b"'18 and more'" |
| 518 | b"'New Zealand'" | b'no' | 3.0 | b"'18 and more'" |
| 519 | b'Egypt' | b'no' | 3.0 | b"'18 and more'" |
| 520 | b'Italy' | b'no' | 8.0 | b"'18 and more'" |
| 521 | b'Malaysia' | b'no' | 7.0 | b"'18 and more'" |
| 522 | b"'United States'" | b'no' | 7.0 | b"'18 and more'" |
| 523 | b"'United States'" | b'no' | 6.0 | b"'18 and more'" |
| 524 | b"'United Kingdom'" | b'no' | 8.0 | b"'18 and more'" |
| 525 | b"'United Kingdom'" | b'no' | 4.0 | b"'18 and more'" |
| 526 | b"'United Arab Emirates'" | b'no' | 4.0 | b"'18 and more'" |
| 527 | b'Iran' | b'no' | 3.0 | b"'18 and more'" |
| 528 | b'Australia' | b'no' | 10.0 | b"'18 and more'" |
| 529 | b'France' | b'no' | 2.0 | b"'18 and more'" |
| 530 | b'France' | b'no' | 2.0 | b"'18 and more'" |
| 531 | b'Bolivia' | b'no' | 4.0 | b"'18 and more'" |
| 532 | b"'United States'" | b'no' | 4.0 | b"'18 and more'" |
| 533 | b"'United Kingdom'" | b'no' | 9.0 | b"'18 and more'" |
| 534 | b'Iran' | b'no' | 4.0 | b"'18 and more'" |
| 535 | b'Iran' | b'no' | 3.0 | b"'18 and more'" |
| 536 | b'Iran' | b'no' | 2.0 | b"'18 and more'" |
| 537 | b'Iran' | b'no' | 5.0 | b"'18 and more'" |
| 538 | b"'United States'" | b'no' | 4.0 | b"'18 and more'" |
| 539 | b"'United States'" | b'no' | 6.0 | b"'18 and more'" |
| 540 | b"'United States'" | b'no' | 9.0 | b"'18 and more'" |
| 541 | b"'New Zealand'" | b'no' | 1.0 | b"'18 and more'" |
| 542 | b'Malaysia' | b'no' | 9.0 | b"'18 and more'" |
| 543 | b'Malaysia' | b'yes' | 9.0 | b"'18 and more'" |
| 544 | b"'United Kingdom'" | b'no' | 9.0 | b"'18 and more'" |

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|-----|---------------------|--------|------|------------------|
| 545 | b''United Kingdom'' | b'no' | 7.0 | b''18 and more'' |
| 546 | b''United Kingdom'' | b'no' | 4.0 | b''18 and more'' |
| 547 | b''United Kingdom'' | b'no' | 5.0 | b''18 and more'' |
| 548 | b''United Kingdom'' | b'no' | 6.0 | b''18 and more'' |
| 549 | b''United Kingdom'' | b'no' | 10.0 | b''18 and more'' |
| 550 | b''United Kingdom'' | b'no' | 2.0 | b''18 and more'' |
| 551 | b'Australia' | b'no' | 3.0 | b''18 and more'' |
| 552 | b'Aruba' | b'no' | 1.0 | b''18 and more'' |
| 553 | b''New Zealand'' | b'no' | 7.0 | b''18 and more'' |
| 554 | b'Finland' | b'no' | 9.0 | b''18 and more'' |
| 555 | b'Mexico' | b'no' | 4.0 | b''18 and more'' |
| 556 | b'Jordan' | b'no' | 3.0 | b''18 and more'' |
| 557 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 558 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 559 | b''United Kingdom'' | b'no' | 6.0 | b''18 and more'' |
| 560 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 561 | b''United States'' | b'no' | 8.0 | b''18 and more'' |
| 562 | b'Iceland' | b'no' | 6.0 | b''18 and more'' |
| 563 | b'Australia' | b'no' | 4.0 | b''18 and more'' |
| 564 | b'Kazakhstan' | b'yes' | 4.0 | b''18 and more'' |
| 565 | b'Turkey' | b'no' | 2.0 | b''18 and more'' |
| 566 | b''New Zealand'' | b'no' | 4.0 | b''18 and more'' |
| 567 | b'Australia' | b'no' | 4.0 | b''18 and more'' |
| 568 | b'Netherlands' | b'no' | 9.0 | b''18 and more'' |
| 569 | b''United Kingdom'' | b'no' | 3.0 | b''18 and more'' |
| 570 | b'Australia' | b'no' | 4.0 | b''18 and more'' |
| 571 | b'Jordan' | b'no' | 3.0 | b''18 and more'' |
| 572 | b'Jordan' | b'no' | 3.0 | b''18 and more'' |
| 573 | b''United Kingdom'' | b'no' | 10.0 | b''18 and more'' |
| 574 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 575 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 576 | b''United Kingdom'' | b'no' | 8.0 | b''18 and more'' |
| 577 | b''New Zealand'' | b'no' | 9.0 | b''18 and more'' |
| 578 | b''United Kingdom'' | b'no' | 8.0 | b''18 and more'' |
| 579 | b''United States'' | b'no' | 3.0 | b''18 and more'' |
| 580 | b''United Kingdom'' | b'no' | 2.0 | b''18 and more'' |
| 581 | b''United Kingdom'' | b'no' | 4.0 | b''18 and more'' |
| 582 | b''United Kingdom'' | b'no' | 6.0 | b''18 and more'' |
| 583 | b''United Kingdom'' | b'no' | 7.0 | b''18 and more'' |
| 584 | b''United States'' | b'no' | 7.0 | b''18 and more'' |
| 585 | b''United Kingdom'' | b'no' | 5.0 | b''18 and more'' |
| 586 | b'Brazil' | b'no' | 10.0 | b''18 and more'' |
| 587 | b'Brazil' | b'no' | 9.0 | b''18 and more'' |
| 588 | b''New Zealand'' | b'no' | 9.0 | b''18 and more'' |
| 589 | b''New Zealand'' | b'no' | 3.0 | b''18 and more'' |
| 590 | b''United States'' | b'no' | 5.0 | b''18 and more'' |
| 591 | b'Afghanistan' | b'no' | 6.0 | b''18 and more'' |
| 592 | b''United Kingdom'' | b'no' | 10.0 | b''18 and more'' |

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|-----|---------------------|-------|------|------------------|
| 593 | b'Russia' | b'no' | 1.0 | b"'18 and more'" |
| 594 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 595 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 596 | b"'New Zealand'" | b'no' | 4.0 | b"'18 and more'" |
| 597 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 598 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 599 | b'India' | b'no' | 6.0 | b"'18 and more'" |
| 600 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 601 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 602 | b'India' | b'no' | 2.0 | b"'18 and more'" |
| 603 | b"'New Zealand'" | b'no' | 2.0 | b"'18 and more'" |
| 604 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 605 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 606 | b"'Sri Lanka'" | b'no' | 3.0 | b"'18 and more'" |
| 607 | b'India' | b'no' | 1.0 | b"'18 and more'" |
| 608 | b'Germany' | b'no' | 1.0 | b"'18 and more'" |
| 609 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 610 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 611 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 612 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 613 | b'India' | b'no' | 1.0 | b"'18 and more'" |
| 614 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 615 | b'India' | b'no' | 6.0 | b"'18 and more'" |
| 616 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 617 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 618 | b'India' | b'no' | 2.0 | b"'18 and more'" |
| 619 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 620 | b'India' | b'no' | 4.0 | b"'18 and more'" |
| 621 | b'India' | b'no' | 7.0 | b"'18 and more'" |
| 622 | b"'New Zealand'" | b'no' | 4.0 | b"'18 and more'" |
| 623 | b"'New Zealand'" | b'no' | 7.0 | b"'18 and more'" |
| 624 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 625 | b'India' | b'no' | 6.0 | b"'18 and more'" |
| 626 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 627 | b'India' | b'no' | 3.0 | b"'18 and more'" |
| 628 | b'India' | b'no' | 5.0 | b"'18 and more'" |
| 629 | b'India' | b'no' | 6.0 | b"'18 and more'" |
| 630 | b"'Sri Lanka'" | b'no' | 6.0 | b"'18 and more'" |
| 631 | b"'Sri Lanka'" | b'no' | 2.0 | b"'18 and more'" |
| 632 | b'India' | b'no' | 2.0 | b"'18 and more'" |
| 633 | b'India' | b'no' | 6.0 | b"'18 and more'" |
| 634 | b'Nepal' | b'no' | 7.0 | b"'18 and more'" |
| 635 | b"'United Kingdom'" | b'no' | 4.0 | b"'18 and more'" |
| 636 | b'Russia' | b'no' | 0.0 | b"'18 and more'" |
| 637 | b'Germany' | b'no' | 10.0 | b"'18 and more'" |
| 638 | b"'United States'" | b'no' | 5.0 | b"'18 and more'" |
| 639 | b'Mexico' | b'no' | 7.0 | b"'18 and more'" |
| 640 | b'Indonesia' | b'no' | 4.0 | b"'18 and more'" |

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|-----|---------------------------|--------|------|------------------|
| 641 | b''United States'' | b'no' | 7.0 | b''18 and more'' |
| 642 | b''New Zealand'' | b'no' | 2.0 | b''18 and more'' |
| 643 | b''New Zealand'' | b'no' | 1.0 | b''18 and more'' |
| 644 | b''New Zealand'' | b'no' | 6.0 | b''18 and more'' |
| 645 | b''New Zealand'' | b'no' | 7.0 | b''18 and more'' |
| 646 | b'Jordan' | b'no' | 4.0 | b''18 and more'' |
| 647 | b'Angola' | b'no' | 5.0 | b''18 and more'' |
| 648 | b''United Arab Emirates'' | b'no' | 4.0 | b''18 and more'' |
| 649 | b''United Arab Emirates'' | b'yes' | 3.0 | b''18 and more'' |
| 650 | b'Jordan' | b'no' | 2.0 | b''18 and more'' |
| 651 | b'Jordan' | b'no' | 3.0 | b''18 and more'' |
| 652 | b''United States'' | b'no' | 1.0 | b''18 and more'' |
| 653 | b'Canada' | b'no' | 10.0 | b''18 and more'' |
| 654 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 655 | b''United Kingdom'' | b'no' | 5.0 | b''18 and more'' |
| 656 | b'India' | b'no' | 5.0 | b''18 and more'' |
| 657 | b''United States'' | b'no' | 5.0 | b''18 and more'' |
| 658 | b'Azerbaijan' | b'no' | 3.0 | b''18 and more'' |
| 659 | b'Pakistan' | b'no' | 8.0 | b''18 and more'' |
| 660 | b'France' | b'no' | 8.0 | b''18 and more'' |
| 661 | b'Australia' | b'no' | 9.0 | b''18 and more'' |
| 662 | b'Italy' | b'no' | 5.0 | b''18 and more'' |
| 663 | b'Australia' | b'no' | 4.0 | b''18 and more'' |
| 664 | b'Canada' | b'no' | 3.0 | b''18 and more'' |
| 665 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 666 | b'Iraq' | b'no' | 1.0 | b''18 and more'' |
| 667 | b''New Zealand'' | b'no' | 3.0 | b''18 and more'' |
| 668 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 669 | b''United States'' | b'no' | 10.0 | b''18 and more'' |
| 670 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 671 | b''United States'' | b'no' | 7.0 | b''18 and more'' |
| 672 | b'Ireland' | b'no' | 8.0 | b''18 and more'' |
| 673 | b'Mexico' | b'no' | 8.0 | b''18 and more'' |
| 674 | b''Czech Republic'' | b'no' | 6.0 | b''18 and more'' |
| 675 | b''United States'' | b'no' | 5.0 | b''18 and more'' |
| 676 | b''United Kingdom'' | b'no' | 4.0 | b''18 and more'' |
| 677 | b'Ethiopia' | b'no' | 3.0 | b''18 and more'' |
| 678 | b''United States'' | b'no' | 8.0 | b''18 and more'' |
| 679 | b'Afghanistan' | b'no' | 10.0 | b''18 and more'' |
| 680 | b''United Kingdom'' | b'no' | 10.0 | b''18 and more'' |
| 681 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 682 | b''United States'' | b'no' | 3.0 | b''18 and more'' |
| 683 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 684 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 685 | b'Belgium' | b'no' | 7.0 | b''18 and more'' |
| 686 | b''United States'' | b'no' | 5.0 | b''18 and more'' |
| 687 | b''United States'' | b'no' | 9.0 | b''18 and more'' |
| 688 | b'Canada' | b'no' | 8.0 | b''18 and more'' |

| | | | | |
|-----|---------------------|--------|------|------------------|
| 689 | b'Canada' | b'no' | 7.0 | b''18 and more'' |
| 690 | b'India' | b'no' | 1.0 | b''18 and more'' |
| 691 | b''United States'' | b'no' | 4.0 | b''18 and more'' |
| 692 | b''United States'' | b'no' | 8.0 | b''18 and more'' |
| 693 | b''United Kingdom'' | b'no' | 4.0 | b''18 and more'' |
| 694 | b''United States'' | b'no' | 7.0 | b''18 and more'' |
| 695 | b'Brazil' | b'yes' | 5.0 | b''18 and more'' |
| 696 | b'Australia' | b'no' | 9.0 | b''18 and more'' |
| 697 | b'Philippines' | b'no' | 6.0 | b''18 and more'' |
| 698 | b'Australia' | b'no' | 10.0 | b''18 and more'' |
| 699 | b'Russia' | b'no' | 7.0 | b''18 and more'' |
| 700 | b'Mexico' | b'no' | 3.0 | b''18 and more'' |
| 701 | b'Russia' | b'no' | 7.0 | b''18 and more'' |
| 702 | b'Pakistan' | b'no' | 6.0 | b''18 and more'' |
| 703 | b'Cyprus' | b'no' | 8.0 | b''18 and more'' |

| | relation | Class/ASD |
|----|-------------------------------|-----------|
| 0 | b'Self' | b'NO' |
| 1 | b'Self' | b'NO' |
| 2 | b'Parent' | b'YES' |
| 3 | b'Self' | b'NO' |
| 4 | b'Self' | b'NO' |
| 5 | b'Self' | b'YES' |
| 6 | b'Self' | b'NO' |
| 7 | b'Parent' | b'NO' |
| 8 | b'Self' | b'NO' |
| 9 | b''Health care professional'' | b'YES' |
| 10 | b'Relative' | b'YES' |
| 11 | b'Parent' | b'NO' |
| 12 | b'Self' | b'NO' |
| 13 | b'Self' | b'NO' |
| 14 | b'Self' | b'NO' |
| 15 | b'Parent' | b'NO' |
| 16 | b'Self' | b'NO' |
| 17 | b'Self' | b'NO' |
| 18 | b'Self' | b'NO' |
| 19 | b'Self' | b'NO' |
| 20 | b'Self' | b'NO' |
| 21 | b'Self' | b'NO' |
| 22 | b'Self' | b'NO' |
| 23 | b'Relative' | b'NO' |
| 24 | b'Self' | b'NO' |
| 25 | b'Self' | b'NO' |
| 26 | b'Self' | b'NO' |
| 27 | b'Parent' | b'NO' |
| 28 | b'Self' | b'NO' |
| 29 | b'Self' | b'NO' |
| 30 | b'Self' | b'NO' |

| | | |
|----|-------------|--------|
| 31 | b'Self' | b'YES' |
| 32 | b'Self' | b'NO' |
| 33 | b'Self' | b'YES' |
| 34 | b'Self' | b'YES' |
| 35 | b'Self' | b'NO' |
| 36 | b'Self' | b'NO' |
| 37 | b'Self' | b'NO' |
| 38 | b'Self' | b'YES' |
| 39 | b'Self' | b'YES' |
| 40 | b'Self' | b'YES' |
| 41 | b'Self' | b'NO' |
| 42 | b'Self' | b'NO' |
| 43 | b'Self' | b'NO' |
| 44 | b'Self' | b'YES' |
| 45 | b'Relative' | b'YES' |
| 46 | b'Relative' | b'NO' |
| 47 | b'Relative' | b'NO' |
| 48 | b'Relative' | b'NO' |
| 49 | b'Self' | b'NO' |
| 50 | b'Self' | b'NO' |
| 51 | b'Parent' | b'YES' |
| 52 | b'Self' | b'NO' |
| 53 | b'Self' | b'YES' |
| 54 | b'Self' | b'YES' |
| 55 | b'Self' | b'YES' |
| 56 | b'Self' | b'YES' |
| 57 | b'Self' | b'YES' |
| 58 | b'Self' | b'NO' |
| 59 | b'Self' | b'NO' |
| 60 | b'Self' | b'YES' |
| 61 | b'Self' | b'YES' |
| 62 | b'Self' | b'NO' |
| 63 | b'Parent' | b'NO' |
| 64 | b'Self' | b'YES' |
| 65 | b'Self' | b'NO' |
| 66 | b'Parent' | b'NO' |
| 67 | b'Self' | b'NO' |
| 68 | b'Self' | b'NO' |
| 69 | b'Self' | b'NO' |
| 70 | b'Self' | b'NO' |
| 71 | b'Self' | b'NO' |
| 72 | b'Self' | b'NO' |
| 73 | b'Self' | b'NO' |
| 74 | b'Self' | b'NO' |
| 75 | b'Self' | b'YES' |
| 76 | b'Self' | b'NO' |
| 77 | b'Self' | b'YES' |
| 78 | b'Self' | b'NO' |

| | | |
|-----|-----------|--------|
| 79 | b'Self' | b'NO' |
| 80 | b'Self' | b'NO' |
| 81 | b'Self' | b'NO' |
| 82 | b'Self' | b'YES' |
| 83 | b'Self' | b'NO' |
| 84 | b'Self' | b'NO' |
| 85 | b'Self' | b'NO' |
| 86 | b'Parent' | b'YES' |
| 87 | b'Self' | b'NO' |
| 88 | b'Self' | b'NO' |
| 89 | b'Self' | b'YES' |
| 90 | b'Self' | b'NO' |
| 91 | b'Self' | b'NO' |
| 92 | b'Self' | b'NO' |
| 93 | b'Self' | b'YES' |
| 94 | b'Self' | b'YES' |
| 95 | b'Self' | b'NO' |
| 96 | b'Self' | b'NO' |
| 97 | b'Self' | b'NO' |
| 98 | b'Self' | b'NO' |
| 99 | b'Self' | b'NO' |
| 100 | b'Self' | b'NO' |
| 101 | b'Self' | b'NO' |
| 102 | b'Self' | b'NO' |
| 103 | b'Self' | b'NO' |
| 104 | b'Self' | b'NO' |
| 105 | b'Self' | b'NO' |
| 106 | b'Self' | b'NO' |
| 107 | b'Self' | b'YES' |
| 108 | b'Parent' | b'NO' |
| 109 | b'Parent' | b'NO' |
| 110 | b'Self' | b'YES' |
| 111 | b'Self' | b'NO' |
| 112 | b'Parent' | b'NO' |
| 113 | b'Self' | b'NO' |
| 114 | b'Self' | b'YES' |
| 115 | b'Parent' | b'YES' |
| 116 | b'Self' | b'YES' |
| 117 | b'Self' | b'NO' |
| 118 | b'Self' | b'YES' |
| 119 | b'Self' | b'YES' |
| 120 | b'Self' | b'YES' |
| 121 | b'Self' | b'YES' |
| 122 | b'Self' | b'NO' |
| 123 | b'Self' | b'YES' |
| 124 | b'Self' | b'YES' |
| 125 | b'Self' | b'YES' |
| 126 | b'Self' | b'NO' |

| | | |
|-----|-------------|--------|
| 127 | b'Self' | b'NO' |
| 128 | b'Self' | b'NO' |
| 129 | b'Relative' | b'NO' |
| 130 | b'Self' | b'NO' |
| 131 | b'Self' | b'NO' |
| 132 | b'Self' | b'NO' |
| 133 | b'Self' | b'NO' |
| 134 | b'Self' | b'NO' |
| 135 | b'Self' | b'NO' |
| 136 | b'Self' | b'NO' |
| 137 | b'Self' | b'NO' |
| 138 | b'Self' | b'NO' |
| 139 | b'Self' | b'NO' |
| 140 | b'Self' | b'NO' |
| 141 | b'Self' | b'NO' |
| 142 | b'Self' | b'NO' |
| 143 | b'Self' | b'NO' |
| 144 | b'Self' | b'NO' |
| 145 | b'Parent' | b'YES' |
| 146 | b'Self' | b'YES' |
| 147 | b'Self' | b'YES' |
| 148 | b'Self' | b'YES' |
| 149 | b'Self' | b'YES' |
| 150 | b'Self' | b'NO' |
| 151 | b'Self' | b'YES' |
| 152 | b'Self' | b'NO' |
| 153 | b'Self' | b'NO' |
| 154 | b'Self' | b'NO' |
| 155 | b'Self' | b'NO' |
| 156 | b'Self' | b'NO' |
| 157 | b'Self' | b'NO' |
| 158 | b'Self' | b'NO' |
| 159 | b'Self' | b'NO' |
| 160 | b'Parent' | b'NO' |
| 161 | b'Self' | b'NO' |
| 162 | b'Self' | b'NO' |
| 163 | b'Self' | b'NO' |
| 164 | b'Self' | b'NO' |
| 165 | b'Self' | b'NO' |
| 166 | b'Self' | b'NO' |
| 167 | b'Self' | b'NO' |
| 168 | b'Self' | b'NO' |
| 169 | b'Self' | b'YES' |
| 170 | b'Self' | b'NO' |
| 171 | b'Self' | b'NO' |
| 172 | b'Self' | b'NO' |
| 173 | b'Parent' | b'NO' |
| 174 | b'Self' | b'NO' |

| | | |
|-----|-------------|--------|
| 175 | b'Self' | b'NO' |
| 176 | b'Self' | b'YES' |
| 177 | b'Self' | b'NO' |
| 178 | b'Self' | b'NO' |
| 179 | b'Self' | b'NO' |
| 180 | b'Self' | b'NO' |
| 181 | b'Self' | b'NO' |
| 182 | b'Others' | b'NO' |
| 183 | b'Self' | b'NO' |
| 184 | b'Self' | b'NO' |
| 185 | b'Self' | b'YES' |
| 186 | b'Self' | b'NO' |
| 187 | b'Self' | b'NO' |
| 188 | b'Self' | b'YES' |
| 189 | b'Self' | b'NO' |
| 190 | b'Self' | b'YES' |
| 191 | b'Parent' | b'NO' |
| 192 | b'Self' | b'NO' |
| 193 | b'Self' | b'NO' |
| 194 | b'Self' | b'NO' |
| 195 | b'Self' | b'YES' |
| 196 | b'Self' | b'YES' |
| 197 | b'Self' | b'YES' |
| 198 | b'Self' | b'YES' |
| 199 | b'Self' | b'NO' |
| 200 | b'Self' | b'YES' |
| 201 | b'Self' | b'NO' |
| 202 | b'Self' | b'YES' |
| 203 | b'Relative' | b'YES' |
| 204 | b'Self' | b'NO' |
| 205 | b'Self' | b'YES' |
| 206 | b'Parent' | b'YES' |
| 207 | b'Self' | b'YES' |
| 208 | b'Self' | b'NO' |
| 209 | b'Self' | b'YES' |
| 210 | b'Self' | b'YES' |
| 211 | b'Self' | b'NO' |
| 212 | b'Self' | b'NO' |
| 213 | b'Self' | b'NO' |
| 214 | b'Self' | b'NO' |
| 215 | b'Self' | b'YES' |
| 216 | b'Self' | b'NO' |
| 217 | b'Parent' | b'NO' |
| 218 | b'Self' | b'YES' |
| 219 | b'Parent' | b'NO' |
| 220 | b'Self' | b'NO' |
| 221 | b'Self' | b'NO' |
| 222 | b'Self' | b'NO' |

| | | |
|-----|-------------|--------|
| 223 | b'Self' | b'YES' |
| 224 | b'Self' | b'YES' |
| 225 | b'Self' | b'NO' |
| 226 | b'Relative' | b'YES' |
| 227 | b'Self' | b'NO' |
| 228 | b'Self' | b'NO' |
| 229 | b'Self' | b'YES' |
| 230 | b'Self' | b'NO' |
| 231 | b'Self' | b'NO' |
| 232 | b'Self' | b'NO' |
| 233 | b'Self' | b'NO' |
| 234 | b'Self' | b'NO' |
| 235 | b'Self' | b'NO' |
| 236 | b'Self' | b'NO' |
| 237 | b'Self' | b'NO' |
| 238 | b'Self' | b'NO' |
| 239 | b'Self' | b'NO' |
| 240 | b'Self' | b'NO' |
| 241 | b'Self' | b'NO' |
| 242 | b'Self' | b'NO' |
| 243 | b'Self' | b'NO' |
| 244 | b'Self' | b'NO' |
| 245 | b'Self' | b'NO' |
| 246 | b'Self' | b'NO' |
| 247 | b'Self' | b'NO' |
| 248 | b'Self' | b'NO' |
| 249 | b'Self' | b'YES' |
| 250 | b'Self' | b'NO' |
| 251 | b'Self' | b'NO' |
| 252 | b'Self' | b'NO' |
| 253 | b'Self' | b'NO' |
| 254 | b'Self' | b'NO' |
| 255 | b'Self' | b'NO' |
| 256 | b'Self' | b'NO' |
| 257 | b'Self' | b'NO' |
| 258 | b'Self' | b'NO' |
| 259 | b'Self' | b'NO' |
| 260 | b'Self' | b'NO' |
| 261 | b'Self' | b'NO' |
| 262 | b'Self' | b'NO' |
| 263 | b'Self' | b'NO' |
| 264 | b'Self' | b'NO' |
| 265 | b'Self' | b'YES' |
| 266 | b'Self' | b'NO' |
| 267 | b'Self' | b'NO' |
| 268 | b'Self' | b'NO' |
| 269 | b'Self' | b'NO' |
| 270 | b'Self' | b'YES' |

| | | |
|-----|-----------|--------|
| 271 | b'Parent' | b'YES' |
| 272 | b'Self' | b'YES' |
| 273 | b'Others' | b'NO' |
| 274 | b'Self' | b'NO' |
| 275 | b'Others' | b'NO' |
| 276 | b'Self' | b'NO' |
| 277 | b'Self' | b'NO' |
| 278 | b'Self' | b'YES' |
| 279 | b'Self' | b'NO' |
| 280 | b'Self' | b'NO' |
| 281 | b'Self' | b'YES' |
| 282 | b'Parent' | b'YES' |
| 283 | b'Self' | b'YES' |
| 284 | b'Self' | b'NO' |
| 285 | b'Self' | b'NO' |
| 286 | b'Self' | b'NO' |
| 287 | b'Self' | b'NO' |
| 288 | b'Self' | b'NO' |
| 289 | b'Self' | b'YES' |
| 290 | b'Self' | b'YES' |
| 291 | b'Self' | b'YES' |
| 292 | b'Self' | b'NO' |
| 293 | b'Self' | b'NO' |
| 294 | b'Parent' | b'NO' |
| 295 | b'Self' | b'YES' |
| 296 | b'Parent' | b'YES' |
| 297 | b'Others' | b'YES' |
| 298 | b'Self' | b'NO' |
| 299 | b'Self' | b'YES' |
| 300 | b'Self' | b'NO' |
| 301 | b'Self' | b'YES' |
| 302 | b'Self' | b'NO' |
| 303 | b'Self' | b'NO' |
| 304 | b'Self' | b'NO' |
| 305 | b'Self' | b'NO' |
| 306 | b'Self' | b'YES' |
| 307 | b'Self' | b'YES' |
| 308 | b'Self' | b'YES' |
| 309 | b'Self' | b'YES' |
| 310 | b'Self' | b'NO' |
| 311 | b'Self' | b'NO' |
| 312 | b'Self' | b'YES' |
| 313 | b'Self' | b'YES' |
| 314 | b'Self' | b'NO' |
| 315 | b'Self' | b'NO' |
| 316 | b'Self' | b'NO' |
| 317 | b'Self' | b'NO' |
| 318 | b'Self' | b'NO' |

| | | |
|-----|-------------|--------|
| 319 | b'Self' | b'NO' |
| 320 | b'Self' | b'NO' |
| 321 | b'Self' | b'NO' |
| 322 | b'Self' | b'YES' |
| 323 | b'Self' | b'NO' |
| 324 | b'Self' | b'NO' |
| 325 | b'Relative' | b'NO' |
| 326 | b'Relative' | b'NO' |
| 327 | b'Relative' | b'NO' |
| 328 | b'Relative' | b'NO' |
| 329 | b'Relative' | b'NO' |
| 330 | b'Relative' | b'NO' |
| 331 | b'Self' | b'YES' |
| 332 | b'Self' | b'YES' |
| 333 | b'Parent' | b'NO' |
| 334 | b'Self' | b'NO' |
| 335 | b'Self' | b'NO' |
| 336 | b'Self' | b'NO' |
| 337 | b'Self' | b'NO' |
| 338 | b'Self' | b'NO' |
| 339 | b'Self' | b'NO' |
| 340 | b'Self' | b'NO' |
| 341 | b'Self' | b'NO' |
| 342 | b'Self' | b'NO' |
| 343 | b'Self' | b'NO' |
| 344 | b'Self' | b'NO' |
| 345 | b'Self' | b'NO' |
| 346 | b'Self' | b'NO' |
| 347 | b'Self' | b'NO' |
| 348 | b'Self' | b'YES' |
| 349 | b'Self' | b'NO' |
| 350 | b'Self' | b'YES' |
| .. | ... | ... |
| 353 | b'Self' | b'NO' |
| 354 | b'Self' | b'NO' |
| 355 | b'Self' | b'NO' |
| 356 | b'Parent' | b'NO' |
| 357 | b'Self' | b'NO' |
| 358 | b'Self' | b'NO' |
| 359 | b'Self' | b'NO' |
| 360 | b'Self' | b'NO' |
| 361 | b'Self' | b'NO' |
| 362 | b'Parent' | b'NO' |
| 363 | b'Self' | b'NO' |
| 364 | b'Self' | b'NO' |
| 365 | b'Self' | b'NO' |
| 366 | b'Self' | b'NO' |
| 367 | b'Self' | b'NO' |

| | | |
|-----|-------------|--------|
| 368 | b'Self' | b'NO' |
| 369 | b'Self' | b'NO' |
| 370 | b'Self' | b'NO' |
| 371 | b'Self' | b'NO' |
| 372 | b'Self' | b'NO' |
| 373 | b'Self' | b'NO' |
| 374 | b'Self' | b'NO' |
| 375 | b'Relative' | b'NO' |
| 376 | b'Self' | b'NO' |
| 377 | b'Self' | b'NO' |
| 378 | b'Self' | b'NO' |
| 379 | b'Self' | b'NO' |
| 380 | b'Self' | b'NO' |
| 381 | b'Self' | b'NO' |
| 382 | b'Self' | b'YES' |
| 383 | b'Self' | b'NO' |
| 384 | b'Self' | b'NO' |
| 385 | b'Self' | b'NO' |
| 386 | b'Self' | b'NO' |
| 387 | b'Self' | b'NO' |
| 388 | b'Self' | b'NO' |
| 389 | b'Self' | b'NO' |
| 390 | b'Self' | b'NO' |
| 391 | b'Self' | b'NO' |
| 392 | b'Self' | b'NO' |
| 393 | b'Self' | b'NO' |
| 394 | b'Self' | b'NO' |
| 395 | b'Self' | b'NO' |
| 396 | b'Self' | b'NO' |
| 397 | b'Self' | b'NO' |
| 398 | b'Self' | b'NO' |
| 399 | b'Self' | b'NO' |
| 400 | b'Self' | b'NO' |
| 401 | b'Self' | b'NO' |
| 402 | b'Self' | b'NO' |
| 403 | b'Self' | b'NO' |
| 404 | b'Self' | b'NO' |
| 405 | b'Self' | b'NO' |
| 406 | b'Self' | b'NO' |
| 407 | b'Self' | b'YES' |
| 408 | b'Self' | b'NO' |
| 409 | b'Self' | b'NO' |
| 410 | b'Self' | b'NO' |
| 411 | b'Self' | b'NO' |
| 412 | b'Self' | b'NO' |
| 413 | b'Self' | b'NO' |
| 414 | b'Self' | b'YES' |
| 415 | b'Self' | b'NO' |

| | | |
|-----|-------------------------------|--------|
| 416 | b'Self' | b'NO' |
| 417 | b'Self' | b'NO' |
| 418 | b'Self' | b'NO' |
| 419 | b'Self' | b'NO' |
| 420 | b'Self' | b'NO' |
| 421 | b'Self' | b'NO' |
| 422 | b'Self' | b'NO' |
| 423 | b'Self' | b'NO' |
| 424 | b'Self' | b'NO' |
| 425 | b'Others' | b'NO' |
| 426 | b'Self' | b'YES' |
| 427 | b'Self' | b'NO' |
| 428 | b'Self' | b'NO' |
| 429 | b'Self' | b'NO' |
| 430 | b'Parent' | b'YES' |
| 431 | b'Self' | b'YES' |
| 432 | b'Self' | b'NO' |
| 433 | b'Self' | b'YES' |
| 434 | b'Self' | b'NO' |
| 435 | b'Self' | b'NO' |
| 436 | b'Self' | b'NO' |
| 437 | b'Parent' | b'NO' |
| 438 | b'Self' | b'NO' |
| 439 | b'Self' | b'NO' |
| 440 | b'Relative' | b'NO' |
| 441 | b'Self' | b'NO' |
| 442 | b'Relative' | b'NO' |
| 443 | b'Self' | b'YES' |
| 444 | b'Self' | b'YES' |
| 445 | b'Self' | b'NO' |
| 446 | b'Self' | b'YES' |
| 447 | b"'Health care professional'" | b'NO' |
| 448 | b'Self' | b'YES' |
| 449 | b'Self' | b'NO' |
| 450 | b'Self' | b'NO' |
| 451 | b'Self' | b'NO' |
| 452 | b'Self' | b'YES' |
| 453 | b'Self' | b'NO' |
| 454 | b'Self' | b'NO' |
| 455 | b'Self' | b'NO' |
| 456 | b'Self' | b'NO' |
| 457 | b'Self' | b'NO' |
| 458 | b'Self' | b'YES' |
| 459 | b'Self' | b'NO' |
| 460 | b'Self' | b'NO' |
| 461 | b'Self' | b'NO' |
| 462 | b"'Health care professional'" | b'NO' |
| 463 | b'Self' | b'NO' |

| | | |
|-----|-------------|--------|
| 464 | b'Self' | b'YES' |
| 465 | b'Self' | b'NO' |
| 466 | b'Relative' | b'YES' |
| 467 | b'Relative' | b'NO' |
| 468 | b'Self' | b'YES' |
| 469 | b'Self' | b'NO' |
| 470 | b'Self' | b'NO' |
| 471 | b'Self' | b'YES' |
| 472 | b'Self' | b'NO' |
| 473 | b'Self' | b'NO' |
| 474 | b'Self' | b'NO' |
| 475 | b'Self' | b'NO' |
| 476 | b'Parent' | b'NO' |
| 477 | b'Self' | b'NO' |
| 478 | b'Self' | b'NO' |
| 479 | b'Self' | b'NO' |
| 480 | b'Self' | b'NO' |
| 481 | b'Parent' | b'NO' |
| 482 | b'Self' | b'NO' |
| 483 | b'Self' | b'NO' |
| 484 | b'Self' | b'NO' |
| 485 | b'Self' | b'NO' |
| 486 | b'Self' | b'YES' |
| 487 | b'Self' | b'YES' |
| 488 | b'Self' | b'NO' |
| 489 | b'Self' | b'NO' |
| 490 | b'Self' | b'YES' |
| 491 | b'Self' | b'NO' |
| 492 | b'Self' | b'NO' |
| 493 | b'Self' | b'YES' |
| 494 | b'Self' | b'NO' |
| 495 | b'Self' | b'NO' |
| 496 | b'Self' | b'NO' |
| 497 | b'Self' | b'YES' |
| 498 | b'Self' | b'YES' |
| 499 | b'Parent' | b'NO' |
| 500 | b'Parent' | b'NO' |
| 501 | b'Self' | b'YES' |
| 502 | b'Self' | b'NO' |
| 503 | b'Self' | b'NO' |
| 504 | b'Relative' | b'YES' |
| 505 | b'Self' | b'NO' |
| 506 | b'Self' | b'NO' |
| 507 | b'Self' | b'NO' |
| 508 | b'Self' | b'YES' |
| 509 | b'Self' | b'NO' |
| 510 | b'Self' | b'YES' |
| 511 | b'Self' | b'YES' |

| | | |
|-----|-------------|--------|
| 512 | b'Self' | b'NO' |
| 513 | b'Self' | b'NO' |
| 514 | b'Self' | b'YES' |
| 515 | b'Self' | b'YES' |
| 516 | b'Parent' | b'NO' |
| 517 | b'Self' | b'YES' |
| 518 | b'Self' | b'NO' |
| 519 | b'Self' | b'NO' |
| 520 | b'Self' | b'YES' |
| 521 | b'Self' | b'YES' |
| 522 | b'Self' | b'YES' |
| 523 | b'Parent' | b'NO' |
| 524 | b'Self' | b'YES' |
| 525 | b'Self' | b'NO' |
| 526 | b'Self' | b'NO' |
| 527 | b'Self' | b'NO' |
| 528 | b'Self' | b'YES' |
| 529 | b'Self' | b'NO' |
| 530 | b'Self' | b'NO' |
| 531 | b'Relative' | b'NO' |
| 532 | b'Self' | b'NO' |
| 533 | b'Self' | b'YES' |
| 534 | b'Self' | b'NO' |
| 535 | b'Self' | b'NO' |
| 536 | b'Self' | b'NO' |
| 537 | b'Self' | b'NO' |
| 538 | b'Self' | b'NO' |
| 539 | b'Relative' | b'NO' |
| 540 | b'Relative' | b'YES' |
| 541 | b'Parent' | b'NO' |
| 542 | b'Self' | b'YES' |
| 543 | b'Self' | b'YES' |
| 544 | b'Self' | b'YES' |
| 545 | b'Self' | b'YES' |
| 546 | b'Self' | b'NO' |
| 547 | b'Self' | b'NO' |
| 548 | b'Self' | b'NO' |
| 549 | b'Self' | b'YES' |
| 550 | b'Self' | b'NO' |
| 551 | b'Self' | b'NO' |
| 552 | b'Self' | b'NO' |
| 553 | b'Self' | b'YES' |
| 554 | b'Relative' | b'YES' |
| 555 | b'Self' | b'NO' |
| 556 | b'Self' | b'NO' |
| 557 | b'Self' | b'NO' |
| 558 | b'Self' | b'YES' |
| 559 | b'Self' | b'NO' |

| | | |
|-----|-------------|--------|
| 560 | b'Self' | b'YES' |
| 561 | b'Self' | b'YES' |
| 562 | b'Parent' | b'NO' |
| 563 | b'Parent' | b'NO' |
| 564 | b'Self' | b'NO' |
| 565 | b'Self' | b'NO' |
| 566 | b'Self' | b'NO' |
| 567 | b'Self' | b'NO' |
| 568 | b'Self' | b'YES' |
| 569 | b'Self' | b'NO' |
| 570 | b'Self' | b'NO' |
| 571 | b'Self' | b'NO' |
| 572 | b'Self' | b'NO' |
| 573 | b'Self' | b'YES' |
| 574 | b'Self' | b'NO' |
| 575 | b'Self' | b'NO' |
| 576 | b'Self' | b'YES' |
| 577 | b'Self' | b'YES' |
| 578 | b'Self' | b'YES' |
| 579 | b'Self' | b'NO' |
| 580 | b'Self' | b'NO' |
| 581 | b'Parent' | b'NO' |
| 582 | b'Relative' | b'NO' |
| 583 | b'Relative' | b'YES' |
| 584 | b'Self' | b'YES' |
| 585 | b'Self' | b'NO' |
| 586 | b'Self' | b'YES' |
| 587 | b'Self' | b'YES' |
| 588 | b'Self' | b'YES' |
| 589 | b'Self' | b'NO' |
| 590 | b'Self' | b'NO' |
| 591 | b'Self' | b'NO' |
| 592 | b'Self' | b'YES' |
| 593 | b'Self' | b'NO' |
| 594 | b'Self' | b'NO' |
| 595 | b'Self' | b'NO' |
| 596 | b'Self' | b'NO' |
| 597 | b'Self' | b'NO' |
| 598 | b'Self' | b'NO' |
| 599 | b'Parent' | b'NO' |
| 600 | b'Self' | b'NO' |
| 601 | b'Self' | b'NO' |
| 602 | b'Self' | b'NO' |
| 603 | b'Self' | b'NO' |
| 604 | b'Self' | b'NO' |
| 605 | b'Self' | b'NO' |
| 606 | b'Self' | b'NO' |
| 607 | b'Self' | b'NO' |

| | | |
|-----|-----------|--------|
| 608 | b'Self' | b'NO' |
| 609 | b'Self' | b'NO' |
| 610 | b'Self' | b'NO' |
| 611 | b'Self' | b'NO' |
| 612 | b'Self' | b'NO' |
| 613 | b'Self' | b'NO' |
| 614 | b'Self' | b'NO' |
| 615 | b'Self' | b'NO' |
| 616 | b'Self' | b'NO' |
| 617 | b'Self' | b'NO' |
| 618 | b'Self' | b'NO' |
| 619 | b'Self' | b'NO' |
| 620 | b'Self' | b'NO' |
| 621 | b'Self' | b'YES' |
| 622 | b'Self' | b'NO' |
| 623 | b'Self' | b'YES' |
| 624 | b'Self' | b'NO' |
| 625 | b'Self' | b'NO' |
| 626 | b'Self' | b'NO' |
| 627 | b'Self' | b'NO' |
| 628 | b'Self' | b'NO' |
| 629 | b'Self' | b'NO' |
| 630 | b'Self' | b'NO' |
| 631 | b'Self' | b'NO' |
| 632 | b'Parent' | b'NO' |
| 633 | b'Self' | b'NO' |
| 634 | b'Self' | b'YES' |
| 635 | b'Self' | b'NO' |
| 636 | b'Self' | b'NO' |
| 637 | b'Self' | b'YES' |
| 638 | b'Self' | b'NO' |
| 639 | b'Parent' | b'YES' |
| 640 | b'Self' | b'NO' |
| 641 | b'Self' | b'YES' |
| 642 | b'Self' | b'NO' |
| 643 | b'Parent' | b'NO' |
| 644 | b'Parent' | b'NO' |
| 645 | b'Self' | b'YES' |
| 646 | b'Self' | b'NO' |
| 647 | b'Parent' | b'NO' |
| 648 | b'Self' | b'NO' |
| 649 | b'Self' | b'NO' |
| 650 | b'Self' | b'NO' |
| 651 | b'Self' | b'NO' |
| 652 | b'Self' | b'NO' |
| 653 | b'Self' | b'YES' |
| 654 | b'Self' | b'YES' |
| 655 | b'Self' | b'NO' |

| | | |
|-----|-------------------------------|--------|
| 656 | b'Self' | b'NO' |
| 657 | b'Self' | b'NO' |
| 658 | b'Self' | b'NO' |
| 659 | b'Self' | b'YES' |
| 660 | b'Self' | b'YES' |
| 661 | b'Self' | b'YES' |
| 662 | b'Self' | b'NO' |
| 663 | b'Self' | b'NO' |
| 664 | b'Self' | b'NO' |
| 665 | b'Self' | b'YES' |
| 666 | b'Self' | b'NO' |
| 667 | b'Parent' | b'NO' |
| 668 | b'Self' | b'NO' |
| 669 | b'Self' | b'YES' |
| 670 | b'Self' | b'YES' |
| 671 | b'Self' | b'YES' |
| 672 | b'Self' | b'YES' |
| 673 | b'Self' | b'YES' |
| 674 | b'Self' | b'NO' |
| 675 | b'Self' | b'NO' |
| 676 | b'Parent' | b'NO' |
| 677 | b'"Health care professional'" | b'NO' |
| 678 | b'Self' | b'YES' |
| 679 | b'Self' | b'YES' |
| 680 | b'Parent' | b'YES' |
| 681 | b'Self' | b'YES' |
| 682 | b'Self' | b'NO' |
| 683 | b'Self' | b'NO' |
| 684 | b'Relative' | b'NO' |
| 685 | b'Self' | b'YES' |
| 686 | b'Self' | b'NO' |
| 687 | b'Self' | b'YES' |
| 688 | b'Self' | b'YES' |
| 689 | b'Self' | b'YES' |
| 690 | b'Self' | b'NO' |
| 691 | b'Self' | b'NO' |
| 692 | b'Self' | b'YES' |
| 693 | b'Self' | b'NO' |
| 694 | b'Self' | b'YES' |
| 695 | b'Parent' | b'NO' |
| 696 | b'Self' | b'YES' |
| 697 | b'Self' | b'NO' |
| 698 | b'Self' | b'YES' |
| 699 | b'Self' | b'YES' |
| 700 | b'Parent' | b'NO' |
| 701 | b'Self' | b'YES' |
| 702 | b'Self' | b'NO' |
| 703 | b'Self' | b'YES' |

```
[704 rows x 21 columns]
```

3.0.15 Pronto!!! Não temos mais dados incompletos. Só felicidade!

```
In [21]: dataset.isnull().values.any()
```

```
Out[21]: False
```

```
In [22]: dataset.describe()
```

```
Out[22]:
```

| | age | result |
|-------|------------|------------|
| count | 704.000000 | 704.000000 |
| mean | 29.184659 | 4.875000 |
| std | 9.691837 | 2.501493 |
| min | 17.000000 | 0.000000 |
| 25% | 21.000000 | 3.000000 |
| 50% | 27.000000 | 4.000000 |
| 75% | 35.000000 | 7.000000 |
| max | 64.000000 | 10.000000 |

3.0.16 Convertendo os scores de strings para valores numéricos...

```
In [23]: columns_score = [('A'+str(i)+"_Score") for i in range(1,11)]  
print(columns_score)
```

```
['A1_Score', 'A2_Score', 'A3_Score', 'A4_Score', 'A5_Score', 'A6_Score', 'A7_Score', 'A8_Score', 'A9_Score', 'A10_Score', 'A11_Score']
```

```
In [24]: dataset[columns_score] = dataset[columns_score].apply(pd.to_numeric)
```

3.0.17 Transformando os dados do atributo gênero...

```
In [25]: gender = LabelEncoder().fit_transform(gender)  
dataset['gender'] = gender
```

3.0.18 Transformando os dados do atributo jaundice...

```
In [26]: jaundice = LabelEncoder().fit_transform(jaundice)  
dataset['jaundice'] = jaundice
```

3.0.19 Transformando os dados do atributo austim...

```
In [27]: austim = LabelEncoder().fit_transform(austim)  
dataset['austim'] = austim
```

3.0.20 Transformando os dados do atributo ethnicity...

```
In [28]: ethnicity = LabelEncoder().fit_transform(ethnicity)  
dataset['ethnicity'] = ethnicity
```

3.0.21 Transformando a Class/ASD...

```
In [29]: classASD = LabelEncoder().fit_transform(classASD)
dataset['Class/ASD'] = classASD
```

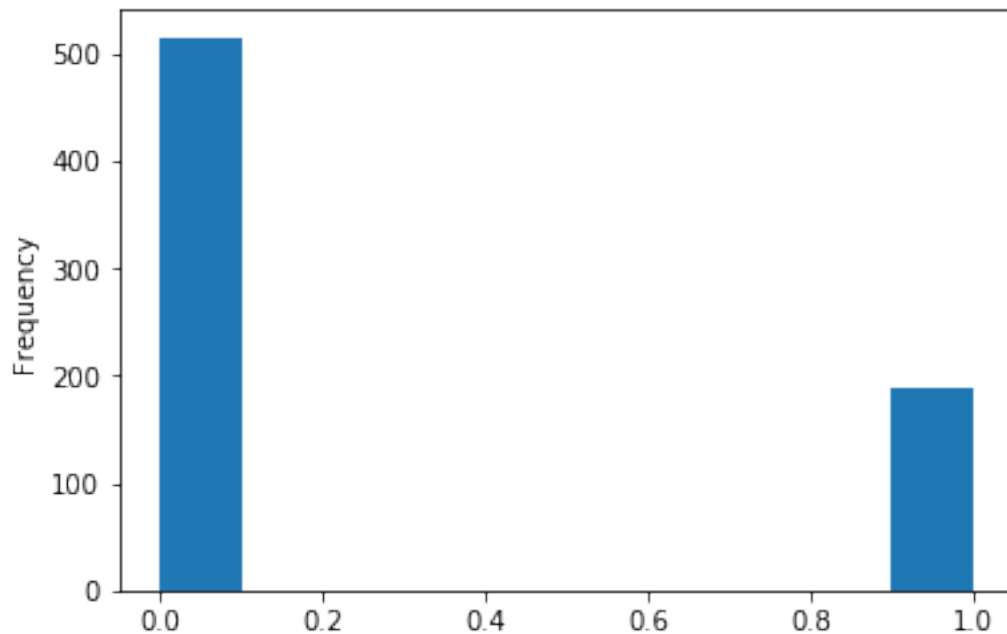
3.0.22 Balanceando as classes...

```
In [30]: dataset['Class/ASD'].value_counts()
```

```
Out[30]: 0    515
         1    189
         Name: Class/ASD, dtype: int64
```

```
In [31]: dataset['Class/ASD'].plot(kind='hist')
```

```
Out[31]: <matplotlib.axes._subplots.AxesSubplot at 0x7f8cff3a17b8>
```



```
In [32]: dataset_majority = dataset[dataset['Class/ASD'] == 0]
dataset_minority = dataset[dataset['Class/ASD'] == 1]
```

```
In [33]: from sklearn.utils import resample
dataset_majority_downsampled = resample(dataset_majority, replace = False, n_samples =
```

```
In [34]: dataset_downsampled = pd.concat([dataset_majority_downsampled, dataset_minority])
```

```
In [35]: dataset_downsampled['Class/ASD'].value_counts()
```

```
Out[35]: 1    189
         0    189
         Name: Class/ASD, dtype: int64
```

3.0.23 Salvando os dados transformados para usar ao separar os datasets em treinamento e em teste...

```
In [36]: # Entradas e saída transformadas e balanceadas do dataset
nX = dataset_downsampled.iloc[:, [10,11,12,13,14,17]].values
ny = dataset_downsampled.iloc[:, 20].values

# Dividindo o dataset para treinamento e para teste
X_train, X_test, y_train, y_test = train_test_split(nX, ny, test_size= 0.2, random_st

In [37]: dataset_downsampled.describe()
```

```
Out [37]:
```

| | A1_Score | A2_Score | A3_Score | A4_Score | A5_Score | A6_Score \ |
|-------|------------|------------|------------|------------|------------|------------|
| count | 378.000000 | 378.000000 | 378.000000 | 378.000000 | 378.000000 | 378.000000 |
| mean | 0.783069 | 0.542328 | 0.584656 | 0.616402 | 0.674603 | 0.436508 |
| std | 0.412702 | 0.498865 | 0.493434 | 0.486906 | 0.469144 | 0.496610 |
| min | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 25% | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 50% | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 0.000000 |
| 75% | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| max | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |

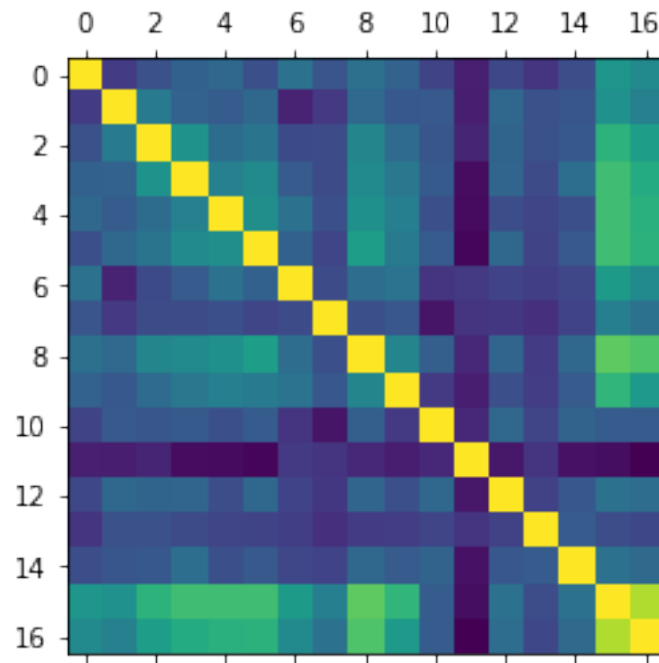
| | A7_Score | A8_Score | A9_Score | A10_Score | age | gender \ |
|-------|------------|------------|------------|------------|------------|------------|
| count | 378.000000 | 378.000000 | 378.000000 | 378.000000 | 378.000000 | 378.000000 |
| mean | 0.510582 | 0.714286 | 0.476190 | 0.671958 | 29.626984 | 0.542328 |
| std | 0.500551 | 0.452353 | 0.500095 | 0.470123 | 9.956990 | 0.498865 |
| min | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 17.000000 | 0.000000 |
| 25% | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 21.250000 | 0.000000 |
| 50% | 1.000000 | 1.000000 | 0.000000 | 1.000000 | 27.000000 | 1.000000 |
| 75% | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 36.000000 | 1.000000 |
| max | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 64.000000 | 1.000000 |

| | ethnicity | jundice | austim | result | Class/ASD |
|-------|------------|------------|------------|------------|------------|
| count | 378.000000 | 378.000000 | 378.000000 | 378.000000 | 378.000000 |
| mean | 5.968254 | 0.121693 | 0.145503 | 6.010582 | 0.500000 |
| std | 3.496728 | 0.327364 | 0.353074 | 2.626107 | 0.500663 |
| min | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 25% | 2.000000 | 0.000000 | 0.000000 | 4.000000 | 0.000000 |
| 50% | 9.000000 | 0.000000 | 0.000000 | 6.500000 | 0.500000 |
| 75% | 9.000000 | 0.000000 | 0.000000 | 8.000000 | 1.000000 |
| max | 10.000000 | 1.000000 | 1.000000 | 10.000000 | 1.000000 |

3.0.24 Plotando o gráfico de correlação dos atributos depois de transformados...

```
In [38]: plt.matshow(dataset_downsampled.corr())

Out [38]: <matplotlib.image.AxesImage at 0x7f8cff27bb38>
```

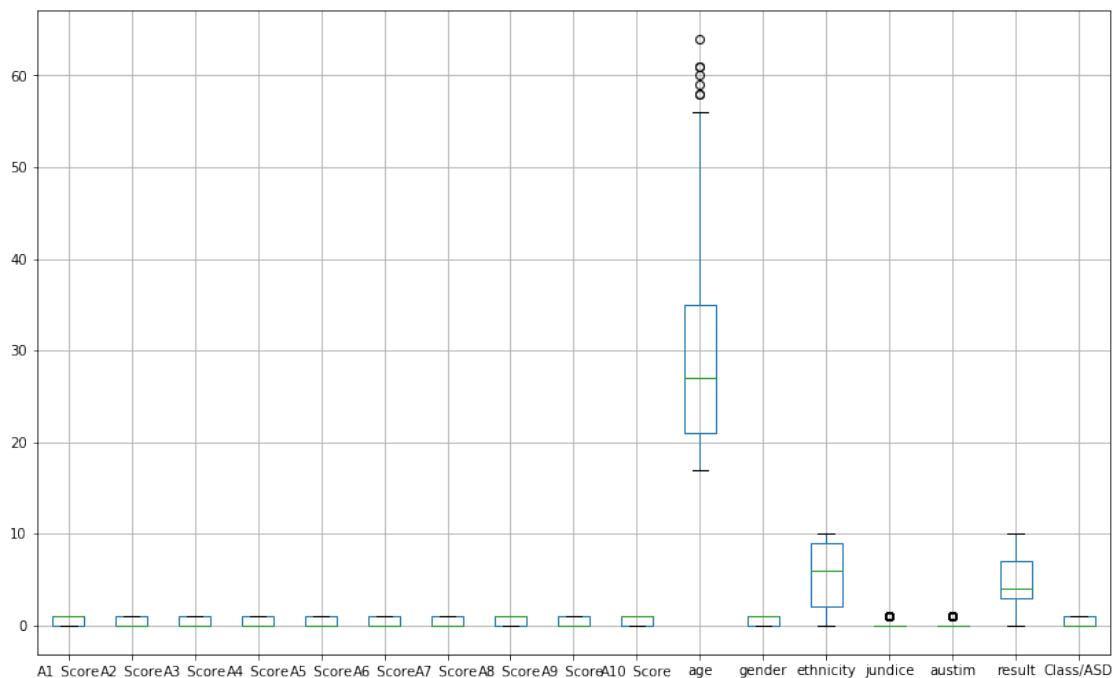


3.0.25 Box Plot

In [39]: *# Aumentar o tamanho do plot na proporção 8/13*

```
x_size = 14
y_size = x_size * (8/13)
plt.figure(figsize=(x_size, y_size))
dataset.boxplot()
```

Out[39]: <matplotlib.axes._subplots.AxesSubplot at 0x7f8cff2b46a0>



3.0.26 Calculando as correlações entre os principais atributos do dataset não balanceado...

```
In [40]: dataset['age'].corr(dataset['gender'])
```

```
Out[40]: -0.032815526183335914
```

```
In [41]: dataset['gender'].corr(dataset['ethnicity'])
```

```
Out[41]: -0.07866649940122147
```

```
In [42]: dataset['ethnicity'].corr(dataset['jundice'])
```

```
Out[42]: 0.0886701099213223
```

```
In [43]: dataset['jundice'].corr(dataset['austim'])
```

```
Out[43]: 0.1577930738661408
```

```
In [44]: dataset['austim'].corr(dataset['result'])
```

```
Out[44]: 0.19203293304513375
```

```
In [45]: dataset['result'].corr(dataset['Class/ASD'])
```

```
Out[45]: 0.8214454241251392
```

3.0.27 Calculando as correlações entre os principais atributos do dataset balanceado...

```
In [46]: dataset_downsampled['age'].corr(dataset_downsampled['gender'])
Out[46]: -0.03766446394379984

In [47]: dataset_downsampled['gender'].corr(dataset_downsampled['ethnicity'])
Out[47]: -0.09806627359942534

In [48]: dataset_downsampled['ethnicity'].corr(dataset_downsampled['jundice'])
Out[48]: 0.056679696193340325

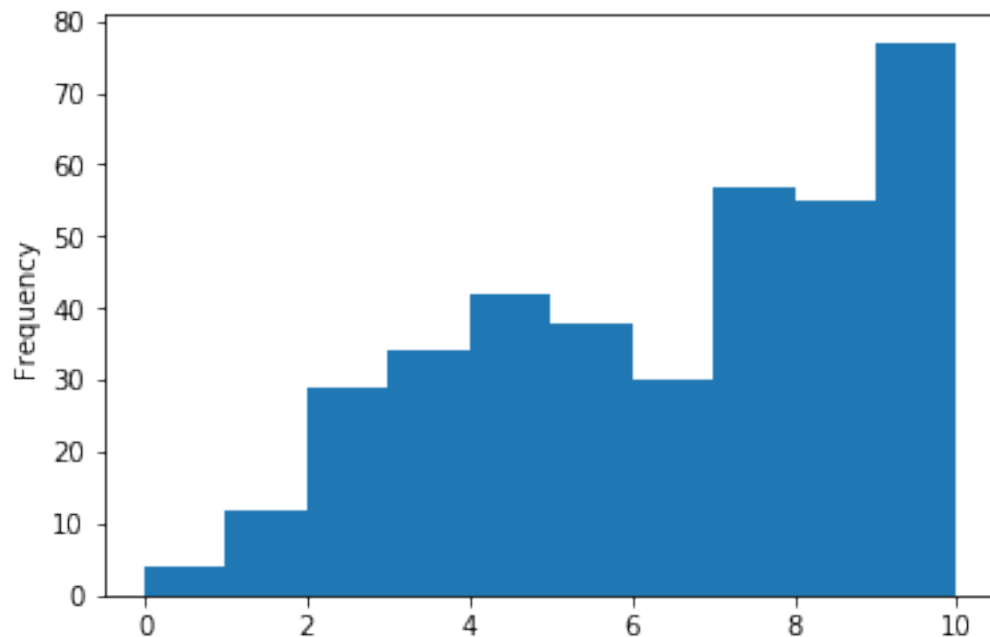
In [49]: dataset_downsampled['jundice'].corr(dataset_downsampled['austim'])
Out[49]: 0.1676845735156486

In [50]: dataset_downsampled['austim'].corr(dataset_downsampled['result'])
Out[50]: 0.2615241629286854

In [51]: dataset_downsampled['result'].corr(dataset_downsampled['Class/ASD'])
Out[51]: 0.8594300921861192
```

3.0.28 Plotando os histogramas dos atributos a serem usados futuramente...

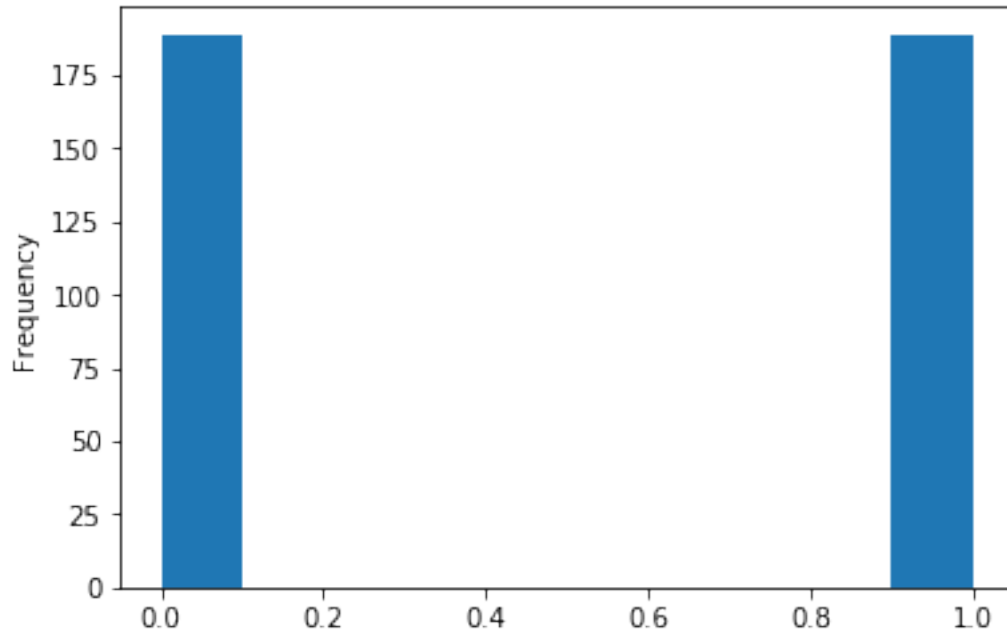
```
In [52]: dataset_downsampled['result'].plot(kind='hist')
Out[52]: <matplotlib.axes._subplots.AxesSubplot at 0x7f8cfd649ef0>
```



3.0.29 Observação importante: as classificações estão balanceadas.

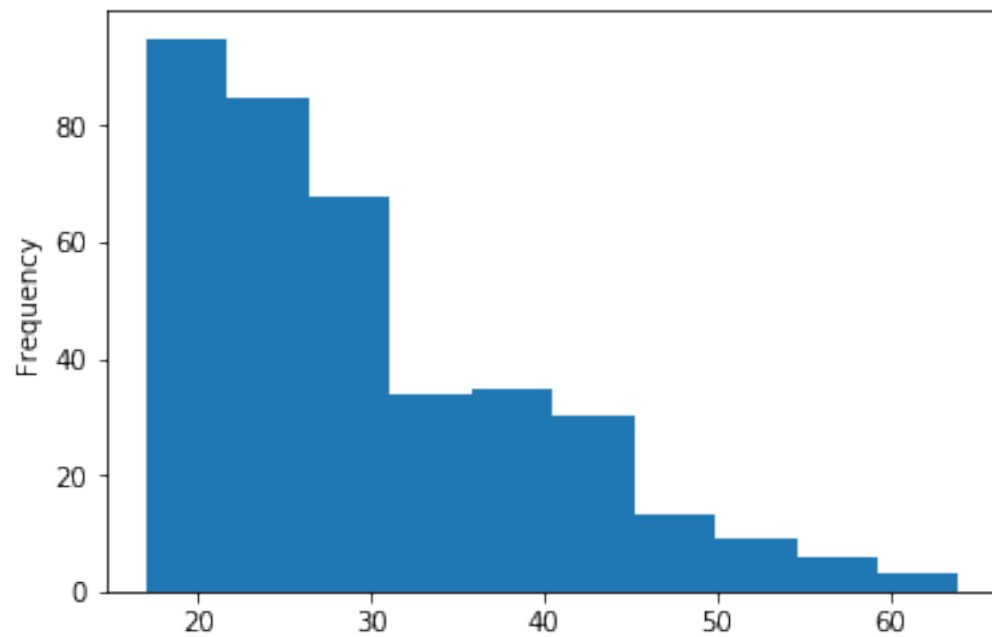
```
In [53]: dataset_downsampled['Class/ASD'].plot(kind='hist')
```

```
Out[53]: <matplotlib.axes._subplots.AxesSubplot at 0x7f8cff274748>
```



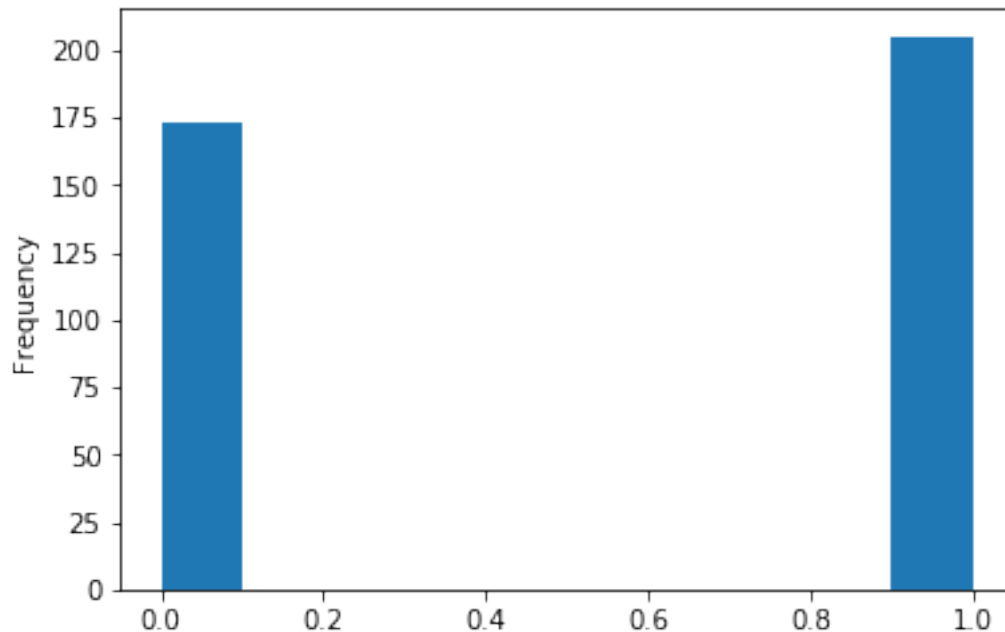
```
In [54]: dataset_downsampled['age'].plot(kind='hist')
```

```
Out[54]: <matplotlib.axes._subplots.AxesSubplot at 0x7f8cfd911f98>
```




```
In [55]: dataset_downsampled['gender'].plot(kind='hist')
```

```
Out[55]: <matplotlib.axes._subplots.AxesSubplot at 0x7f8cfd800d68>
```



3.0.30 Alterando a escala dos dados para que nenhum deles seja menos relevante do que o outro na fase de treinamento do aprendizado de máquina.

```
In [56]: from sklearn.preprocessing import StandardScaler  
         sc_X = StandardScaler()  
         X_train = sc_X.fit_transform(X_train)  
         X_test = sc_X.transform(X_test)
```

4 2. K-Nearest Neighbors (K-NN)

No reconhecimento de padrões, o algoritmo k-vizinhos mais próximos (K-NN) é um método não paramétrico utilizado para classificação e regressão. Em ambos os casos, a entrada consiste nos exemplos de treinamento dos k vizinhos no espaço. A saída depende se o K-NN é usado para classificação ou regressão:

Na classificação K-NN, a saída é a indicação de qual classe aquele determinado objeto pertence. Um objeto é classificado por um voto majoritário dos seus vizinhos, com o objeto sendo associado à classe mais comum entre aqueles k-vizinhos mais próximos (k é um inteiro positivo, tipicamente pequeno). Se $k = 1$, então o objeto é simplesmente designado à classe daquele vizinho mais próximo.

Referência: https://en.wikipedia.org/wiki/K-nearest_neighbors_algorithm

4.0.1 Realizando o fitting do K-NN para o set de treinamento

Por padrão da biblioteca, a quantidade de vizinhos é configurada para 5. A métrica padrão também é Minkowski. O `p` indica o parâmetro de qual distância deve ser computada. Escolhemos trabalhar com distância euclidiana nesse caso. Referência: <http://scikit-learn.org/stable/modules/generated/sklearn.neighbors.KNeighborsClassifier.html#sklearn-neighbors-kneighborsclassifier>

```
In [57]: from sklearn.neighbors import KNeighborsClassifier
         classifier = KNeighborsClassifier(n_neighbors = 5, metric = 'minkowski', p = 2)
         classifier.fit(X_train, y_train)
```

```
Out[57]: KNeighborsClassifier(algorithm='auto', leaf_size=30, metric='minkowski',
                             metric_params=None, n_jobs=1, n_neighbors=5, p=2,
                             weights='uniform')
```

4.0.2 Prevendo os resultados do set de testes

```
In [58]: y_pred = classifier.predict(X_test)
```

4.0.3 Matriz de Confusão

Com a matriz de confusão percebemos os Falsos Positivos (FP), Falsos Negativos (FN), Verdadeiros Positivos (VP), Verdadeiros Negativos (VN). Na linha 1 da matriz de confusão temos o VN e o FN. Na linha 2 temos o FP e o VP. Referência: <https://www.dataschool.io/simple-guide-to-confusion-matrix-terminology/>

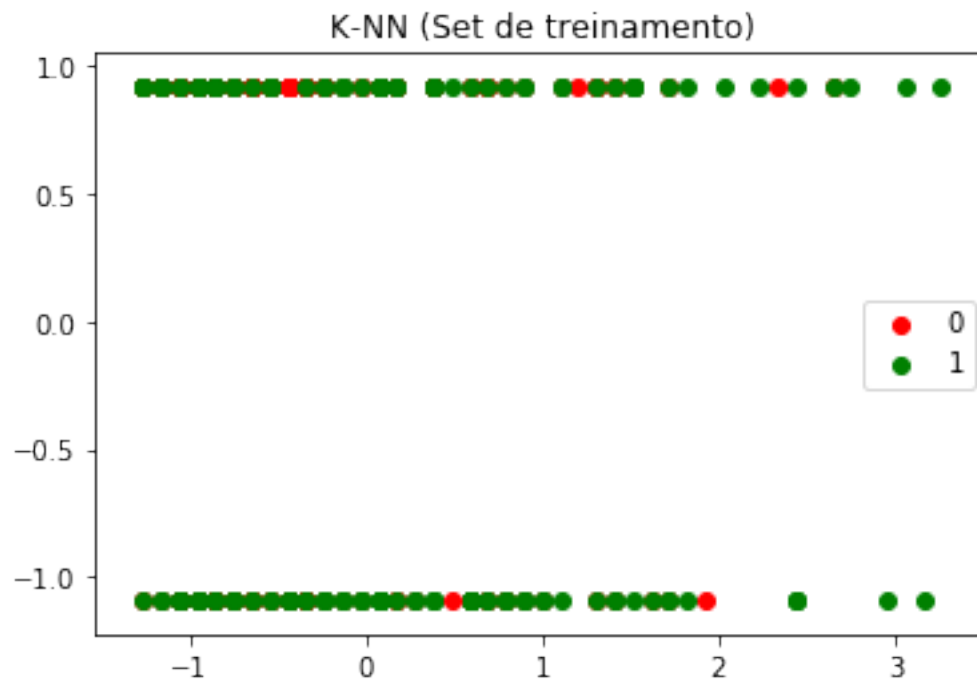
```
In [59]: from sklearn.metrics import confusion_matrix
         cm = confusion_matrix(y_test, y_pred)
         print(cm)
```

```
[[39  3]
 [ 0 34]]
```

4.0.4 Visualizando os resultados do set de treinamento

```
In [60]: from matplotlib.colors import ListedColormap
         X_set, y_set = X_train, y_train

         for i, j in enumerate(np.unique(y_set)):
             plt.scatter(X_set[y_set == j, 0], X_set[y_set == j, 1],
                         c = ListedColormap(('red', 'green'))(i), label = j)
         plt.title('K-NN (Set de treinamento)')
         plt.xlabel('')
         plt.ylabel('')
         plt.legend()
         plt.show()
```



```
In [61]: X_set, y_set = X_test, y_test
```

```
for i, j in enumerate(np.unique(y_set)):  
    plt.scatter(X_set[y_set == j, 0], X_set[y_set == j, 1],  
                c = ListedColormap(('red', 'green'))(i), label = j)  
plt.title('K-NN (Set de resultados)')  
plt.xlabel('')  
plt.ylabel('')  
plt.legend()  
plt.show()
```



4.0.5 Acurácia

Pontuação de classificação de acurácia.

Em uma classificação multirotulada, essa função computa a precisão do subconjunto: o conjunto de rótulos previsto para uma amostra deve corresponder exatamente ao conjunto de rótulos em `y_true`.

Referência: http://scikit-learn.org/stable/modules/generated/sklearn.metrics.accuracy_score.html#sklearn.metrics.accuracy_score

```
In [62]: from sklearn.metrics import accuracy_score
         ac_score = accuracy_score(y_test, y_pred)
         print(ac_score)
```

0.9605263157894737

4.0.6 Métrica F1

Computa a pontuação F1.

A pontuação F1 pode ser interpretada como uma média ponderada da precisão e recordação. A pontuação F1 atinge seu melhor valor em 1 e o pior em 0. A contribuição relativa da precisão e recordação são iguais à pontuação F1. A fórmula para a pontuação F1 é:

$$F1 = 2 * (\text{precisão} * \text{recordação}) / (\text{precisão} + \text{recordação})$$

Nos casos de multiclasse e multirótulos, essa é a média da pontuação F1 de cada classe com pesos dependendo do parâmetro médio.

Referência: http://scikit-learn.org/stable/modules/generated/sklearn.metrics.f1_score.html#sklearn.metrics.f1_score

```
In [63]: from sklearn.metrics import f1_score
         f1score = f1_score(y_test, y_pred)
         print(f1score)
```

0.9577464788732395

4.0.7 Bônus: realizando o fitting do K-NN para o set de treinamento

Utilizaremos o $k = 302$.

```
In [64]: from sklearn.neighbors import KNeighborsClassifier
         classifier = KNeighborsClassifier(n_neighbors = 302, metric = 'minkowski', p = 2)
         classifier.fit(X_train, y_train)
```

```
Out[64]: KNeighborsClassifier(algorithm='auto', leaf_size=30, metric='minkowski',
                             metric_params=None, n_jobs=1, n_neighbors=302, p=2,
                             weights='uniform')
```

4.0.8 Prevendo os resultados do set de testes

```
In [65]: y_pred = classifier.predict(X_test)
```

4.0.9 Matriz de Confusão

Com o resultado abaixo percebemos que foram classificados 0 como Verdadeiros Negativos (VN), porém 42 foram classificados como Falsos Negativos (FN). Por fim, 0 como FP e 34 como VP.

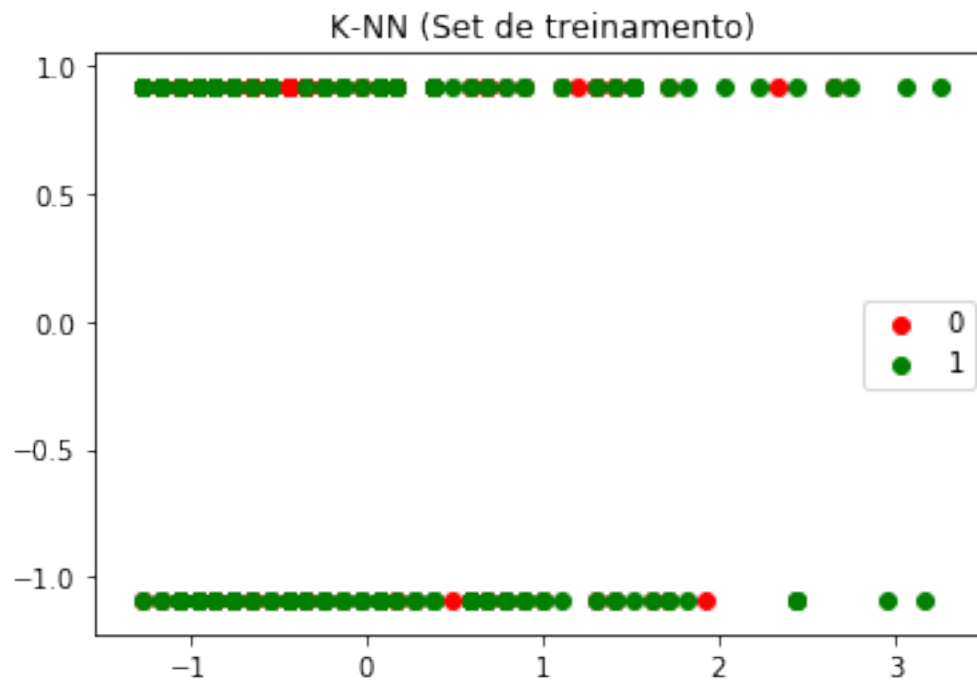
```
In [66]: from sklearn.metrics import confusion_matrix
         cm = confusion_matrix(y_test, y_pred)
         print(cm)
```

```
[[ 0 42]
 [ 0 34]]
```

4.0.10 Visualizando os resultados do set de treinamento

```
In [67]: from matplotlib.colors import ListedColormap
         X_set, y_set = X_train, y_train

         for i, j in enumerate(np.unique(y_set)):
             plt.scatter(X_set[y_set == j, 0], X_set[y_set == j, 1],
                         c = ListedColormap(('red', 'green'))(i), label = j)
         plt.title('K-NN (Set de treinamento)')
         plt.xlabel('')
         plt.ylabel('')
         plt.legend()
         plt.show()
```



```
In [68]: X_set, y_set = X_test, y_test
```

```
for i, j in enumerate(np.unique(y_set)):
    plt.scatter(X_set[y_set == j, 0], X_set[y_set == j, 1],
                c = ListedColormap(('red', 'green'))(i), label = j)
plt.title('K-NN (Set de resultados)')
plt.xlabel('')
plt.ylabel('')
plt.legend()
plt.show()
```



4.0.11 Acurácia

```
In [69]: from sklearn.metrics import accuracy_score
         ac_score = accuracy_score(y_test, y_pred)
         print(ac_score)
```

0.4473684210526316

4.0.12 Métrica F1

```
In [70]: from sklearn.metrics import f1_score
         f1score = f1_score(y_test, y_pred)
         print(f1score)
```

0.6181818181818182

5 3. SVM

Em aprendizado de máquina, support vector machines (SVM) são modelos de aprendizado supervisionados com algoritmos de aprendizado associados que analisam o dado usado para a classificação e regressão. Dado um conjunto de exemplos de treinamento, cada um marcado como pertencente a uma ou outra categoria, um algoritmo de treinamento SVM constrói um modelo

que atribui novos exemplos a uma categoria ou à outra, tornando ele um classificador binário linear não-probabilístico. Um modelo SVM é uma representação dos exemplos como pontos no espaço, mapeados a fim de que os exemplos das categorias separadas são divididos claramente por um espaço que é o maior possível.

Referência: https://en.wikipedia.org/wiki/Support_vector_machine

Referência: <http://scikit-learn.org/stable/modules/svm.html>

5.0.1 Realizando o fitting do SVM para o conjunto de treinamento

O SVC foi utilizado pois trata-se de um problema com multirótulos, ou seja, mais de uma classe, o que de fato acontece, pois temos duas classes: doente e saudável.

O tipo do kernel escolhido foi o linear, ou seja, os objetos a serem preditos devem ser separados de forma linear entre dois rótulos ou duas classes.

Referência: <http://scikit-learn.org/stable/modules/generated/sklearn.svm.SVC.html#sklearn.svm.SVC>

```
In [71]: from sklearn.svm import SVC
classifier = SVC(kernel = 'linear', random_state = 123)
classifier.fit(X_train, y_train)
```

```
Out[71]: SVC(C=1.0, cache_size=200, class_weight=None, coef0=0.0,
decision_function_shape='ovr', degree=3, gamma='auto', kernel='linear',
max_iter=-1, probability=False, random_state=123, shrinking=True,
tol=0.001, verbose=False)
```

5.0.2 Prevendo os resultados do conjunto de testes

```
In [72]: y_pred = classifier.predict(X_test)
```

5.0.3 Construindo a matriz de confusão

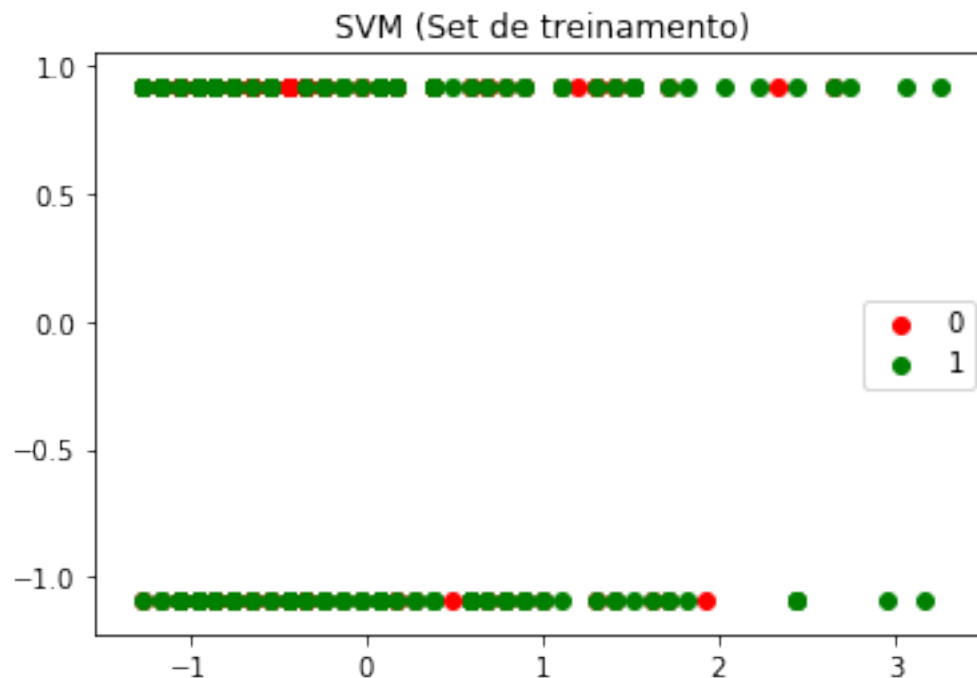
```
In [73]: cm = confusion_matrix(y_test, y_pred)
print(cm)
```

```
[[42  0]
 [ 0 34]]
```

5.0.4 Plotando os resultados do conjunto de treinamento

```
In [74]: X_set, y_set = X_train, y_train

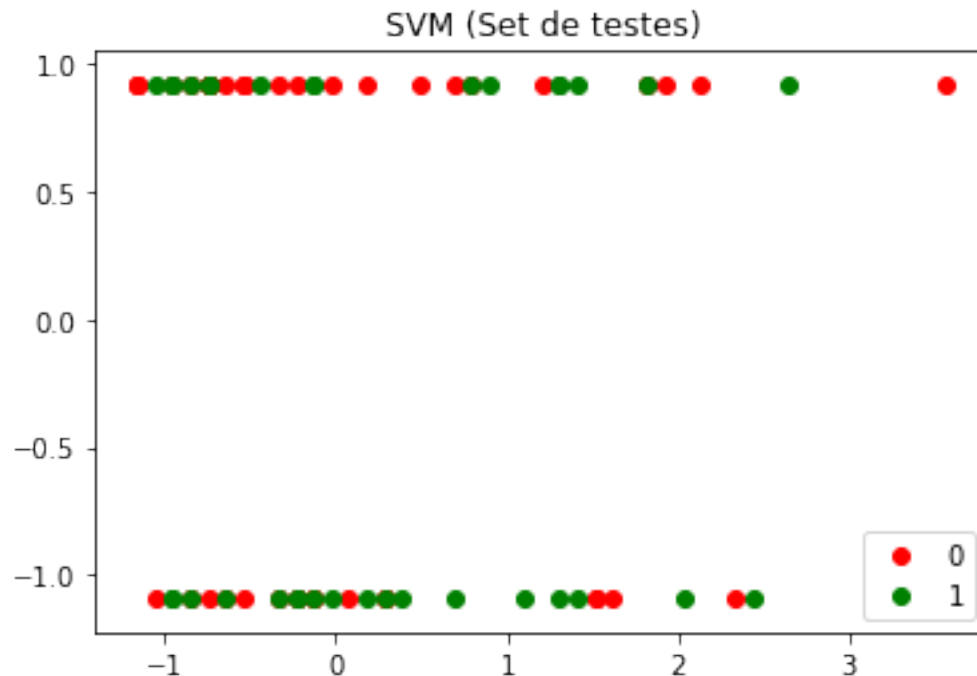
for i, j in enumerate(np.unique(y_set)):
    plt.scatter(X_set[y_set == j, 0], X_set[y_set == j, 1],
                c = ListedColormap(('red', 'green'))(i), label = j)
plt.title('SVM (Set de treinamento)')
plt.xlabel('')
plt.ylabel('')
plt.legend()
plt.show()
```

5.0.5 Plotando os resultados do conjunto de testes

In [75]: `X_set, y_set = X_test, y_test`

```
for i, j in enumerate(np.unique(y_set)):
    plt.scatter(X_set[y_set == j, 0], X_set[y_set == j, 1],
                c = ListedColormap(['red', 'green'])(i), label = j)
plt.title('SVM (Set de testes)')
plt.xlabel('')
plt.ylabel('')
plt.legend()
plt.show()
```



5.0.6 Acurácia

```
In [76]: ac_score = accuracy_score(y_test, y_pred)
         print(ac_score)
```

1.0

5.0.7 Métrica F1

```
In [77]: f1score = f1_score(y_test, y_pred)
         print(f1score)
```

1.0

5.0.8 Bônus: realizando o fitting do SVM para o conjunto de treinamento

Trocamos o kernel para sigmoid, ou seja, sigmoidal. A ideia é que o algoritmo de aprendizado de máquina consiga ser capaz de separar de forma sigmoidal as nossas duas classes. Percebemos que se o problema já foi resolvido satisfatoriamente de forma linear, todos os outros kernels possuirão um resultado satisfatório.

```
In [78]: from sklearn.svm import SVC
         classifier = SVC(kernel = 'sigmoid', random_state = 123)
         classifier.fit(X_train, y_train)
```

```
Out [78]: SVC(C=1.0, cache_size=200, class_weight=None, coef0=0.0,
            decision_function_shape='ovr', degree=3, gamma='auto', kernel='sigmoid',
            max_iter=-1, probability=False, random_state=123, shrinking=True,
            tol=0.001, verbose=False)
```

5.0.9 Prevendo os resultados do conjunto de testes

```
In [79]: y_pred = classifier.predict(X_test)
```

5.0.10 Construindo a matriz de confusão

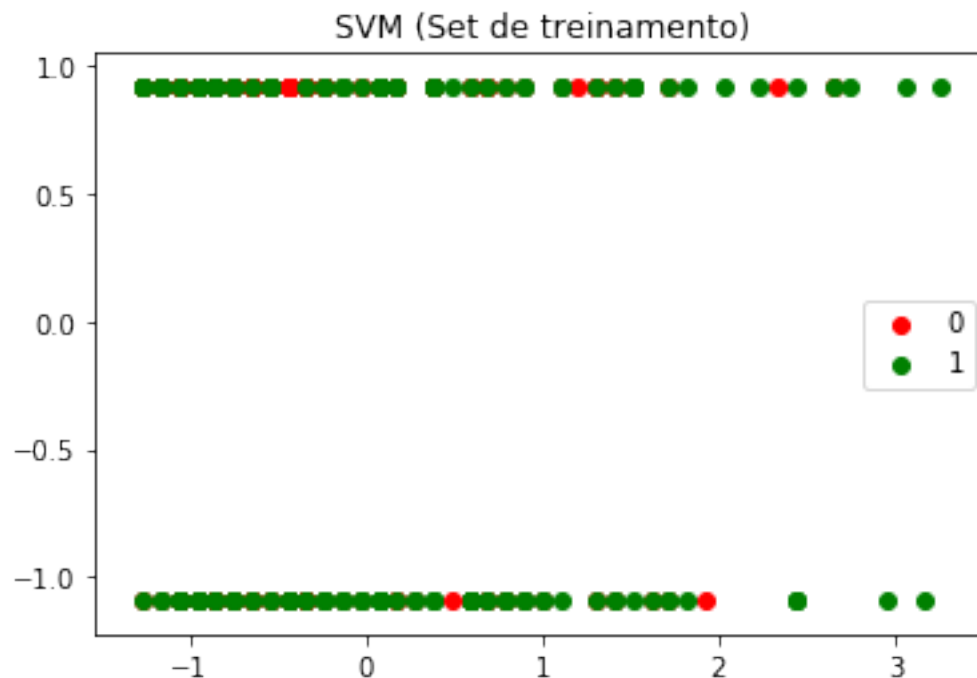
```
In [80]: cm = confusion_matrix(y_test, y_pred)
         print(cm)
```

```
[[39  3]
 [ 0 34]]
```

5.0.11 Plotando os resultados do conjunto de treinamento

```
In [81]: X_set, y_set = X_train, y_train

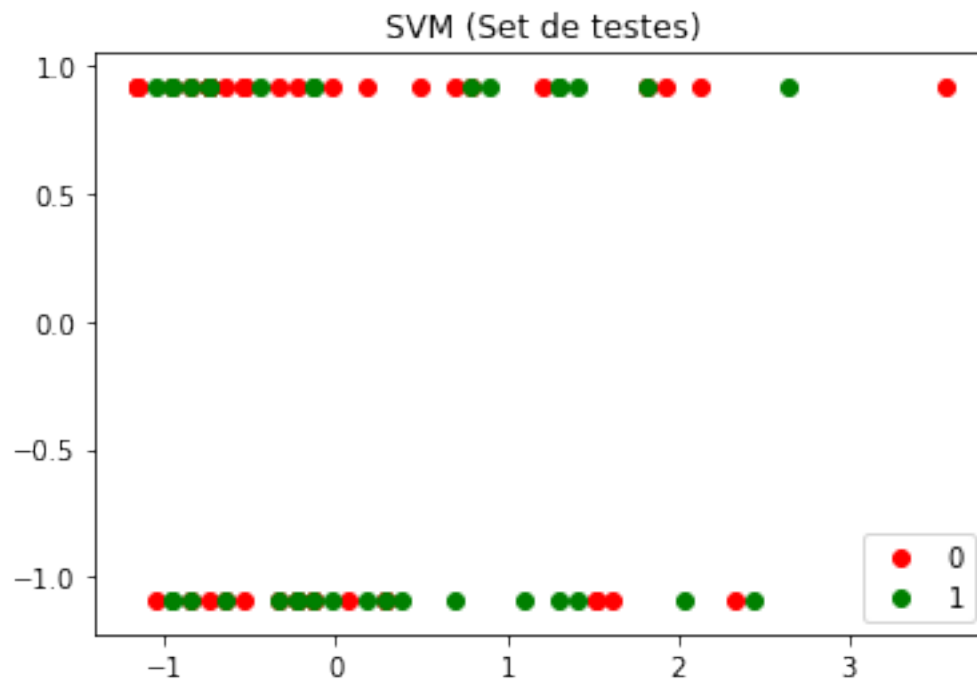
         for i, j in enumerate(np.unique(y_set)):
             plt.scatter(X_set[y_set == j, 0], X_set[y_set == j, 1],
                         c = ListedColormap(('red', 'green'))(i), label = j)
         plt.title('SVM (Set de treinamento)')
         plt.xlabel('')
         plt.ylabel('')
         plt.legend()
         plt.show()
```



5.0.12 Plotando os resultados do conjunto de testes

In [85]: `X_set, y_set = X_test, y_test`

```
for i, j in enumerate(np.unique(y_set)):
    plt.scatter(X_set[y_set == j, 0], X_set[y_set == j, 1],
                c = ListedColormap(('red', 'green'))(i), label = j)
plt.title('SVM (Set de testes)')
plt.xlabel('')
plt.ylabel('')
plt.legend()
plt.show()
```



5.0.13 Acurácia

```
In [86]: ac_score = accuracy_score(y_test, y_pred)
         print(ac_score)
```

0.9605263157894737

5.0.14 Métrica F1

```
In [84]: f1score = f1_score(y_test, y_pred)
         print(f1score)
```

0.9577464788732395