# Assignment 3

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| **Student Name** | **THAVASUMOORTHI S** |
| **Student Roll Number** | **921319104211** |
| **Maximum Marks** | **2 marks** |

Building a Regression Model

1. Download the dataset: Dataset
2. Load the dataset into the tool.
3. Perform Below Visualizations. • Univariate Analysis • Bi-Variate Analysis • Multi-Variate Analysis
4. Perform descriptive statistics on the dataset.
5. Check for Missing values and deal with them.
6. Find the outliers and replace them outliers
7. Check for Categorical columns and perform encoding.
8. Split the data into dependent and independent variables.
9. Scale the independent variables
10. Split the data into training and testing
11. Build the Model
12. Train the Model
13. Test the Model

● Download the dataset

In [108…

```
#import libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from matplotlib import rcParams
```

In [109…

```
from google.colab import files
files.upload()
```

Choose files No file chosen Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.

```
Saving abalone.csv to abalone (2).csv
```

Out[109…


```
{'abalone.csv': b'Sex,Length,Diameter,Height,Whole weight,Shucked weight,Visce
ra weight,Shell weight,Rings\nM,0.455,0.365,0.095,0.514,0.2245,0.101,0.15,15\n
M,0.35,0.265,0.09,0.2255,0.0995,0.0485,0.07,7\nF,0.53,0.42,0.135,0.677,0.2565,
0.1415,0.21,9\nM,0.44,0.365,0.125,0.516,0.2155,0.114,0.155,10\nI,0.33,0.255,0.
08,0.205,0.0895,0.0395,0.055,7\nI,0.425,0.3,0.095,0.3515,0.141,0.0775,0.12,8\n
F,0.53,0.415,0.15,0.7775,0.237,0.1415,0.33,20\nF,0.545,0.425,0.125,0.768,0.29
4,0.1495,0.26,16\nM,0.475,0.37,0.125,0.5095,0.2165,0.1125,0.165,9\nF,0.55,0.4
4,0.15,0.8945,0.3145,0.151,0.32,19\nF,0.525,0.38,0.14,0.6065,0.194,0.1475,0.2
1,14\nM,0.43,0.35,0.11,0.406,0.1675,0.081,0.135,10\nM,0.49,0.38,0.135,0.5415,
0.2175,0.095,0.19,11\nF,0.535,0.405,0.145,0.6845,0.2725,0.171,0.205,10\nF,0.4
7,0.355,0.1,0.4755,0.1675,0.0805,0.185,10\nM,0.5,0.4,0.13,0.6645,0.258,0.133,
0.24,12\nI,0.355,0.28,0.085,0.2905,0.095,0.0395,0.115,7\nF,0.44,0.34,0.1,0.45
1,0.188,0.087,0.13,10\nM,0.365,0.295,0.08,0.2555,0.097,0.043,0.1,7\nM,0.45,0.3
2,0.1,0.381,0.1705,0.075,0.115,9\nM,0.355,0.28,0.095,0.2455,0.0955,0.062,0.07
5,11\nI,0.38,0.275,0.1,0.2255,0.08,0.049,0.085,10\nF,0.565,0.44,0.155,0.9395,
0.4275,0.214,0.27,12\nF,0.55,0.415,0.135,0.7635,0.318,0.21,0.2,9\nF,0.615,0.4
8,0.165,1.1615,0.513,0.301,0.305,10\nF,0.56,0.44,0.14,0.9285,0.3825,0.188,0.3,
11\nF,0.58,0.45,0.185,0.9955,0.3945,0.272,0.285,11\nM,0.59,0.445,0.14,0.931,0.
356,0.234,0.28,12\nM,0.605,0.475,0.18,0.9365,0.394,0.219,0.295,15\nM,0.575,0.4
25,0.14,0.8635,0.393,0.227,0.2,11\nM,0.58,0.47,0.165,0.9975,0.3935,0.242,0.33,
10\nF,0.68,0.56,0.165,1.639,0.6055,0.2805,0.46,15\nM,0.665,0.525,0.165,1.338,
0.5515,0.3575,0.35,18\nF,0.68,0.55,0.175,1.798,0.815,0.3925,0.455,19\nF,0.705,
0.55,0.2,1.7095,0.633,0.4115,0.49,13\nM,0.465,0.355,0.105,0.4795,0.227,0.124,
0.125,8\nF,0.54,0.475,0.155,1.217,0.5305,0.3075,0.34,16\nF,0.45,0.355,0.105,0.
5225,0.237,0.1165,0.145,8\nF,0.575,0.445,0.135,0.883,0.381,0.2035,0.26,11\nM,
```

0.355,0.29,0.09,0.3275,0.134,0.086,0.09,9\nF,0.45,0.335,0.105,0.425,0.1865,0.0
91,0.115,9\nF,0.55,0.425,0.135,0.8515,0.362,0.196,0.27,14\nI,0.24,0.175,0.045,
0.07,0.0315,0.0235,0.02,5\nI,0.205,0.15,0.055,0.042,0.0255,0.015,0.012,5\nI,0.
21,0.15,0.05,0.042,0.0175,0.0125,0.015,4\nI,0.39,0.295,0.095,0.203,0.0875,0.04
5,0.075,7\nM,0.47,0.37,0.12,0.5795,0.293,0.227,0.14,9\nF,0.46,0.375,0.12,0.460
5,0.1775,0.11,0.15,7\nI,0.325,0.245,0.07,0.161,0.0755,0.0255,0.045,6\nF,0.525,
0.425,0.16,0.8355,0.3545,0.2135,0.245,9\nI,0.52,0.41,0.12,0.595,0.2385,0.111,
0.19,8\nM,0.4,0.32,0.095,0.303,0.1335,0.06,0.1,7\nM,0.485,0.36,0.13,0.5415,0.2
595,0.096,0.16,10\nF,0.47,0.36,0.12,0.4775,0.2105,0.1055,0.15,10\nM,0.405,0.3
1,0.1,0.385,0.173,0.0915,0.11,7\nF,0.5,0.4,0.14,0.6615,0.2565,0.1755,0.22,8\n
M,0.445,0.35,0.12,0.4425,0.192,0.0955,0.135,8\nM,0.47,0.385,0.135,0.5895,0.276
5,0.12,0.17,8\nI,0.245,0.19,0.06,0.086,0.042,0.014,0.025,4\nF,0.505,0.4,0.125,
0.583,0.246,0.13,0.175,7\nM,0.45,0.345,0.105,0.4115,0.18,0.1125,0.135,7\nM,0.5
05,0.405,0.11,0.625,0.305,0.16,0.175,9\nF,0.53,0.41,0.13,0.6965,0.302,0.1935,
0.2,10\nM,0.425,0.325,0.095,0.3785,0.1705,0.08,0.1,7\nM,0.52,0.4,0.12,0.58,0.2
34,0.1315,0.185,8\nM,0.475,0.355,0.12,0.48,0.234,0.1015,0.135,8\nF,0.565,0.44,
0.16,0.915,0.354,0.1935,0.32,12\nF,0.595,0.495,0.185,1.285,0.416,0.224,0.485,1
3\nF,0.475,0.39,0.12,0.5305,0.2135,0.1155,0.17,10\nI,0.31,0.235,0.07,0.151,0.0
63,0.0405,0.045,6\nM,0.555,0.425,0.13,0.7665,0.264,0.168,0.275,13\nF,0.4,0.32,
0.11,0.353,0.1405,0.0985,0.1,8\nF,0.595,0.475,0.17,1.247,0.48,0.225,0.425,20\n
M,0.57,0.48,0.175,1.185,0.474,0.261,0.38,11\nF,0.605,0.45,0.195,1.098,0.481,0.
2895,0.315,13\nF,0.6,0.475,0.15,1.0075,0.4425,0.221,0.28,15\nM,0.595,0.475,0.1
4,0.944,0.3625,0.189,0.315,9\nF,0.6,0.47,0.15,0.922,0.363,0.194,0.305,10\nF,0.
555,0.425,0.14,0.788,0.282,0.1595,0.285,11\nF,0.615,0.475,0.17,1.1025,0.4695,
0.2355,0.345,14\nF,0.575,0.445,0.14,0.941,0.3845,0.252,0.285,9\nM,0.62,0.51,0.
175,1.615,0.5105,0.192,0.675,12\nF,0.52,0.425,0.165,0.9885,0.396,0.225,0.32,16
\nM,0.595,0.475,0.16,1.3175,0.408,0.234,0.58,21\nM,0.58,0.45,0.14,1.013,0.38,
0.216,0.36,14\nF,0.57,0.465,0.18,1.295,0.339,0.2225,0.44,12\nM,0.625,0.465,0.1
4,1.195,0.4825,0.205,0.4,13\nM,0.56,0.44,0.16,0.8645,0.3305,0.2075,0.26,10\nF,
0.46,0.355,0.13,0.517,0.2205,0.114,0.165,9\nF,0.575,0.45,0.16,0.9775,0.3135,0.
231,0.33,12\nM,0.565,0.425,0.135,0.8115,0.341,0.1675,0.255,15\nM,0.555,0.44,0.
15,0.755,0.307,0.1525,0.26,12\nM,0.595,0.465,0.175,1.115,0.4015,0.254,0.39,13
\nF,0.625,0.495,0.165,1.262,0.507,0.318,0.39,10\nM,0.695,0.56,0.19,1.494,0.58
8,0.3425,0.485,15\nM,0.665,0.535,0.195,1.606,0.5755,0.388,0.48,14\nM,0.535,0.4
35,0.15,0.725,0.269,0.1385,0.25,9\nM,0.47,0.375,0.13,0.523,0.214,0.132,0.145,8
\nM,0.47,0.37,0.13,0.5225,0.201,0.133,0.165,7\nF,0.475,0.375,0.125,0.5785,0.27
75,0.085,0.155,10\nI,0.36,0.265,0.095,0.2315,0.105,0.046,0.075,7\nM,0.55,0.43
5,0.145,0.843,0.328,0.1915,0.255,15\nM,0.53,0.435,0.16,0.883,0.316,0.164,0.33
5,15\nM,0.53,0.415,0.14,0.724,0.3105,0.1675,0.205,10\nM,0.605,0.47,0.16,1.173
5,0.4975,0.2405,0.345,12\nF,0.52,0.41,0.155,0.727,0.291,0.1835,0.235,12\nF,0.5
45,0.43,0.165,0.802,0.2935,0.183,0.28,11\nF,0.5,0.4,0.125,0.6675,0.261,0.1315,
0.22,10\nF,0.51,0.39,0.135,0.6335,0.231,0.179,0.2,9\nF,0.435,0.395,0.105,0.363
5,0.136,0.098,0.13,9\nM,0.495,0.395,0.125,0.5415,0.2375,0.1345,0.155,9\nM,0.46
5,0.36,0.105,0.431,0.172,0.107,0.175,9\nI,0.435,0.32,0.08,0.3325,0.1485,0.063
5,0.105,9\nM,0.425,0.35,0.105,0.393,0.13,0.063,0.165,9\nF,0.545,0.41,0.125,0.6
935,0.2975,0.146,0.21,11\nF,0.53,0.415,0.115,0.5915,0.233,0.1585,0.18,11\nF,0.
49,0.375,0.135,0.6125,0.2555,0.102,0.22,11\nM,0.44,0.34,0.105,0.402,0.1305,0.0
955,0.165,10\nF,0.56,0.43,0.15,0.8825,0.3465,0.172,0.31,9\nM,0.405,0.305,0.08
5,0.2605,0.1145,0.0595,0.085,8\nF,0.47,0.365,0.105,0.4205,0.163,0.1035,0.14,9
\nI,0.385,0.295,0.085,0.2535,0.103,0.0575,0.085,7\nF,0.515,0.425,0.14,0.766,0.
304,0.1725,0.255,14\nM,0.37,0.265,0.075,0.214,0.09,0.051,0.07,6\nI,0.36,0.28,
0.08,0.1755,0.081,0.0505,0.07,6\nI,0.27,0.195,0.06,0.073,0.0285,0.0235,0.03,5
\nI,0.375,0.275,0.09,0.238,0.1075,0.0545,0.07,6\nI,0.385,0.29,0.085,0.2505,0.1
12,0.061,0.08,8\nM,0.7,0.535,0.16,1.7255,0.63,0.2635,0.54,19\nM,0.71,0.54,0.16
5,1.959,0.7665,0.261,0.78,18\nM,0.595,0.48,0.165,1.262,0.4835,0.283,0.41,17\n
F,0.44,0.35,0.125,0.4035,0.175,0.063,0.129,9\nF,0.325,0.26,0.09,0.1915,0.085,
0.036,0.062,7\nI,0.35,0.26,0.095,0.211,0.086,0.056,0.068,7\nI,0.265,0.2,0.065,
0.0975,0.04,0.0205,0.028,7\nF,0.425,0.33,0.115,0.406,0.1635,0.081,0.1355,8\nF,
0.305,0.23,0.08,0.156,0.0675,0.0345,0.048,7\nM,0.345,0.255,0.09,0.2005,0.094,
0.0295,0.063,9\nF,0.405,0.325,0.11,0.3555,0.151,0.063,0.117,9\nM,0.375,0.285,
0.095,0.253,0.096,0.0575,0.0925,9\nF,0.565,0.445,0.155,0.826,0.341,0.2055,0.24
75,10\nF,0.55,0.45,0.145,0.741,0.295,0.1435,0.2665,10\nM,0.65,0.52,0.19,1.344
5,0.519,0.306,0.4465,16\nM,0.56,0.455,0.155,0.797,0.34,0.19,0.2425,11\nM,0.47
5,0.375,0.13,0.5175,0.2075,0.1165,0.17,10\nF,0.49,0.38,0.125,0.549,0.245,0.107
5,0.174,10\nM,0.46,0.35,0.12,0.515,0.224,0.108,0.1565,10\nI,0.28,0.205,0.08,0.
127,0.052,0.039,0.042,9\nI,0.175,0.13,0.055,0.0315,0.0105,0.0065,0.0125,5\nI,
0.17,0.13,0.095,0.03,0.013,0.008,0.01,4\nM,0.59,0.475,0.145,1.053,0.4415,0.26
2,0.325,15\nF,0.605,0.5,0.185,1.1185,0.469,0.2585,0.335,9\nF,0.635,0.515,0.19,
1.3715,0.5065,0.305,0.45,10\nF,0.605,0.485,0.16,1.0565,0.37,0.2355,0.355,10\n

F,0.565,0.45,0.135,0.9885,0.387,0.1495,0.31,12\nM,0.515,0.405,0.13,0.722,0.32,
0.131,0.21,10\nF,0.575,0.46,0.19,0.994,0.392,0.2425,0.34,13\nM,0.645,0.485,0.2
15,1.514,0.546,0.2615,0.635,16\nF,0.58,0.455,0.17,0.9075,0.374,0.2135,0.285,13
\nF,0.575,0.46,0.165,1.124,0.2985,0.1785,0.44,13\nM,0.605,0.465,0.165,1.056,0.
4215,0.2475,0.34,13\nF,0.605,0.485,0.16,1.222,0.53,0.2575,0.28,13\nM,0.61,0.48
5,0.175,1.2445,0.544,0.297,0.345,12\nF,0.725,0.56,0.21,2.141,0.65,0.398,1.005,
18\nF,0.65,0.545,0.23,1.752,0.5605,0.2895,0.815,16\nM,0.725,0.57,0.19,2.55,1.0
705,0.483,0.725,14\nF,0.725,0.575,0.175,2.124,0.765,0.4515,0.85,20\nF,0.68,0.5
7,0.205,1.842,0.625,0.408,0.65,20\nM,0.705,0.56,0.22,1.981,0.8175,0.3085,0.76,
14\nF,0.68,0.515,0.175,1.6185,0.5125,0.409,0.62,12\nM,0.695,0.55,0.215,1.9565,
0.7125,0.541,0.59,14\nF,0.53,0.395,0.145,0.775,0.308,0.169,0.255,7\nM,0.525,0.
435,0.155,1.065,0.486,0.233,0.285,8\nF,0.52,0.405,0.115,0.776,0.32,0.1845,0.2
2,8\nI,0.235,0.16,0.04,0.048,0.0185,0.018,0.015,5\nI,0.36,0.26,0.09,0.1785,0.0
645,0.037,0.075,7\nI,0.315,0.21,0.06,0.125,0.06,0.0375,0.035,5\nI,0.315,0.245,
0.085,0.1435,0.053,0.0475,0.05,8\nI,0.225,0.16,0.045,0.0465,0.025,0.015,0.015,
4\nM,0.58,0.475,0.15,0.97,0.385,0.2165,0.35,11\nM,0.57,0.48,0.18,0.9395,0.399,
0.2,0.295,14\nM,0.64,0.51,0.175,1.368,0.515,0.266,0.57,21\nF,0.56,0.45,0.16,1.
0235,0.429,0.268,0.3,10\nF,0.62,0.475,0.175,1.0165,0.4355,0.214,0.325,10\nF,0.
645,0.51,0.2,1.5675,0.621,0.367,0.46,12\nM,0.62,0.49,0.19,1.218,0.5455,0.2965,
0.355,13\nF,0.63,0.48,0.15,1.0525,0.392,0.336,0.285,12\nF,0.63,0.5,0.185,1.38
3,0.54,0.3315,0.38,10\nF,0.63,0.48,0.16,1.199,0.5265,0.335,0.315,11\nF,0.585,
0.46,0.17,0.9325,0.365,0.271,0.29,9\nM,0.615,0.48,0.18,1.1595,0.4845,0.2165,0.
325,13\nM,0.61,0.485,0.17,1.0225,0.419,0.2405,0.36,12\nM,0.58,0.45,0.15,0.927,
0.276,0.1815,0.36,14\nI,0.355,0.275,0.085,0.22,0.092,0.06,0.15,8\nF,0.51,0.4,
0.14,0.8145,0.459,0.1965,0.195,10\nM,0.5,0.405,0.155,0.772,0.346,0.1535,0.245,
12\nF,0.505,0.41,0.15,0.644,0.285,0.145,0.21,11\nM,0.64,0.5,0.185,1.3035,0.444
5,0.2635,0.465,16\nM,0.56,0.45,0.16,0.922,0.432,0.178,0.26,15\nM,0.585,0.46,0.
185,0.922,0.3635,0.213,0.285,10\nF,0.45,0.345,0.12,0.4165,0.1655,0.095,0.135,9
\nM,0.5,0.4,0.165,0.825,0.254,0.205,0.285,13\nF,0.5,0.4,0.145,0.63,0.234,0.146
5,0.23,12\nF,0.53,0.435,0.17,0.8155,0.2985,0.155,0.275,13\nM,0.42,0.335,0.115,
0.369,0.171,0.071,0.12,8\nF,0.44,0.34,0.14,0.482,0.186,0.1085,0.16,9\nI,0.4,0.
3,0.11,0.315,0.109,0.067,0.12,9\nI,0.435,0.34,0.11,0.3795,0.1495,0.085,0.12,8
\nF,0.525,0.415,0.17,0.8325,0.2755,0.1685,0.31,13\nI,0.37,0.28,0.095,0.2655,0.
122,0.052,0.08,7\nF,0.49,0.365,0.145,0.6345,0.1995,0.1625,0.22,10\nM,0.335,0.2
5,0.09,0.181,0.0755,0.0415,0.06,7\nF,0.415,0.325,0.105,0.38,0.1595,0.0785,0.1
2,12\nM,0.5,0.405,0.14,0.6155,0.241,0.1355,0.205,9\nF,0.485,0.395,0.16,0.66,0.
2475,0.128,0.235,14\nM,0.55,0.405,0.14,0.8025,0.244,0.1635,0.255,10\nM,0.45,0.
35,0.13,0.46,0.174,0.111,0.135,8\nI,0.405,0.3,0.12,0.324,0.1265,0.07,0.11,7\n
M,0.47,0.36,0.135,0.501,0.1665,0.115,0.165,10\nF,0.415,0.305,0.13,0.32,0.1305,
0.0755,0.105,8\nF,0.445,0.325,0.125,0.455,0.1785,0.1125,0.14,9\nF,0.47,0.35,0.
145,0.5175,0.187,0.1235,0.18,11\nF,0.49,0.375,0.15,0.5755,0.22,0.144,0.19,9\n
F,0.445,0.355,0.15,0.485,0.181,0.125,0.155,11\nI,0.425,0.38,0.105,0.3265,0.128
5,0.0785,0.1,10\nF,0.5,0.37,0.135,0.45,0.1715,0.1055,0.155,9\nF,0.39,0.29,0.12
5,0.3055,0.121,0.082,0.09,7\nI,0.365,0.27,0.085,0.205,0.078,0.0485,0.07,7\nF,
0.58,0.465,0.165,1.1015,0.404,0.2095,0.35,11\nF,0.53,0.415,0.16,0.783,0.2935,
0.158,0.245,15\nM,0.555,0.445,0.135,0.836,0.336,0.1625,0.275,13\nM,0.565,0.44,
0.175,0.9025,0.31,0.193,0.325,14\nM,0.625,0.505,0.215,1.4455,0.496,0.287,0.43
5,22\nI,0.275,0.215,0.075,0.1155,0.0485,0.029,0.035,7\nI,0.44,0.35,0.135,0.43
5,0.1815,0.083,0.125,12\nI,0.295,0.225,0.08,0.124,0.0485,0.032,0.04,9\nI,0.07
5,0.055,0.01,0.002,0.001,0.0005,0.0015,1\nI,0.13,0.1,0.03,0.013,0.0045,0.003,
0.004,3\nI,0.11,0.09,0.03,0.008,0.0025,0.002,0.003,3\nI,0.16,0.12,0.035,0.021,
0.0075,0.0045,0.005,5\nM,0.565,0.425,0.16,0.9425,0.3495,0.2185,0.275,17\nI,0.2
7,0.2,0.07,0.1,0.034,0.0245,0.035,5\nI,0.23,0.175,0.065,0.0645,0.026,0.0105,0.
02,5\nI,0.3,0.23,0.08,0.1275,0.0435,0.0265,0.04,8\nI,0.33,0.255,0.085,0.1655,
0.063,0.039,0.06,8\nI,0.35,0.26,0.085,0.174,0.0705,0.0345,0.06,10\nI,0.32,0.24
5,0.08,0.1585,0.0635,0.0325,0.05,13\nI,0.36,0.275,0.085,0.1975,0.0745,0.0415,
0.07,9\nI,0.305,0.245,0.075,0.156,0.0675,0.038,0.045,7\nI,0.345,0.27,0.11,0.21
35,0.082,0.0545,0.07,7\nI,0.33,0.25,0.105,0.1715,0.0655,0.035,0.06,7\nM,0.59,
0.47,0.18,1.1235,0.4205,0.2805,0.36,13\nF,0.595,0.455,0.155,1.0605,0.5135,0.21
65,0.3,12\nF,0.575,0.46,0.185,1.094,0.4485,0.217,0.345,15\nM,0.6,0.495,0.165,
1.2415,0.485,0.2775,0.34,15\nM,0.56,0.45,0.175,1.011,0.3835,0.2065,0.37,15\nM,
0.56,0.45,0.185,1.07,0.3805,0.175,0.41,19\nM,0.545,0.46,0.16,0.8975,0.341,0.16
55,0.345,10\nF,0.635,0.505,0.17,1.415,0.605,0.297,0.365,15\nF,0.59,0.475,0.16,
1.1015,0.4775,0.2555,0.295,13\nF,0.54,0.475,0.155,0.928,0.394,0.194,0.26,11\n
F,0.57,0.44,0.125,0.865,0.3675,0.1725,0.27,12\nM,0.53,0.42,0.165,0.8945,0.319,
0.239,0.245,11\nI,0.245,0.195,0.06,0.095,0.0445,0.0245,0.026,4\nM,0.27,0.2,0.0
8,0.1205,0.0465,0.028,0.04,6\nF,0.46,0.38,0.13,0.639,0.3,0.1525,0.16,11\nM,0.5
2,0.45,0.15,0.895,0.3615,0.186,0.235,14\nM,0.35,0.275,0.11,0.2925,0.1225,0.063
5,0.0905,8\nM,0.47,0.39,0.15,0.6355,0.2185,0.0885,0.255,9\nF,0.45,0.36,0.125,

0.4995,0.2035,0.1,0.17,13\nF,0.64,0.525,0.215,1.779,0.4535,0.2855,0.55,22\nM,
0.59,0.5,0.2,1.187,0.412,0.2705,0.37,16\nM,0.62,0.485,0.205,1.219,0.3875,0.250
5,0.385,14\nM,0.63,0.505,0.225,1.525,0.56,0.3335,0.45,15\nM,0.63,0.515,0.155,
1.259,0.4105,0.197,0.41,13\nM,0.655,0.54,0.215,1.844,0.7425,0.327,0.585,22\nF,
0.66,0.53,0.185,1.3485,0.493,0.245,0.49,12\nM,0.61,0.5,0.24,1.642,0.532,0.334
5,0.69,18\nM,0.635,0.525,0.205,1.484,0.55,0.3115,0.43,20\nF,0.515,0.425,0.135,
0.712,0.2665,0.1605,0.25,11\nF,0.535,0.415,0.185,0.8415,0.314,0.1585,0.3,15\n
I,0.36,0.285,0.105,0.2415,0.0915,0.057,0.075,7\nF,0.455,0.355,0.12,0.4495,0.17
7,0.104,0.15,9\nM,0.485,0.395,0.14,0.6295,0.2285,0.127,0.225,14\nM,0.515,0.38,
0.175,0.9565,0.325,0.158,0.31,14\nF,0.535,0.415,0.17,0.879,0.295,0.1965,0.285,
10\nM,0.53,0.435,0.155,0.699,0.288,0.1595,0.205,10\nF,0.495,0.4,0.155,0.6445,
0.242,0.1325,0.205,17\nM,0.44,0.355,0.125,0.4775,0.132,0.0815,0.19,9\nF,0.535,
0.435,0.16,0.8105,0.3155,0.1795,0.24,10\nM,0.54,0.435,0.18,0.996,0.3835,0.226,
0.325,17\nF,0.565,0.505,0.21,1.2765,0.501,0.279,0.355,12\nM,0.61,0.475,0.165,
1.116,0.428,0.2205,0.315,15\nF,0.565,0.455,0.175,1.013,0.342,0.207,0.35,19\nM,
0.6,0.495,0.195,1.0575,0.384,0.19,0.375,26\nI,0.295,0.215,0.085,0.128,0.049,0.
034,0.04,6\nI,0.275,0.205,0.075,0.1105,0.045,0.0285,0.035,6\nI,0.28,0.21,0.08
5,0.1065,0.039,0.0295,0.03,4\nM,0.49,0.395,0.14,0.549,0.2215,0.1275,0.15,11\n
M,0.37,0.28,0.105,0.234,0.0905,0.0585,0.075,9\nF,0.405,0.305,0.095,0.3485,0.14
55,0.0895,0.1,9\nF,0.54,0.435,0.175,0.892,0.322,0.174,0.335,13\nM,0.37,0.28,0.
1,0.252,0.1065,0.0595,0.074,8\nM,0.36,0.27,0.1,0.217,0.0885,0.0495,0.0715,6\n
F,0.47,0.36,0.13,0.472,0.182,0.114,0.15,10\nI,0.2,0.145,0.06,0.037,0.0125,0.00
95,0.011,4\nI,0.165,0.12,0.03,0.0215,0.007,0.005,0.005,3\nM,0.645,0.515,0.24,
1.5415,0.471,0.369,0.535,13\nM,0.55,0.41,0.125,0.7605,0.2505,0.1635,0.195,14\n
M,0.57,0.435,0.145,0.9055,0.3925,0.2355,0.275,10\nF,0.63,0.485,0.19,1.2435,0.4
635,0.3055,0.39,21\nM,0.56,0.44,0.14,0.971,0.443,0.2045,0.265,14\nM,0.595,0.45
5,0.195,1.3305,0.4595,0.3235,0.345,19\nF,0.62,0.47,0.2,1.2255,0.381,0.27,0.43
5,23\nM,0.63,0.485,0.175,1.3,0.4335,0.2945,0.46,23\nI,0.45,0.355,0.11,0.4585,
0.194,0.067,0.14,8\nF,0.635,0.535,0.19,1.242,0.576,0.2475,0.39,14\nM,0.45,0.3
5,0.1,0.3675,0.1465,0.1015,0.12,10\nF,0.58,0.455,0.155,0.8365,0.315,0.1385,0.3
2,18\nI,0.33,0.255,0.095,0.172,0.066,0.0255,0.06,6\nI,0.265,0.21,0.06,0.0965,
0.0425,0.022,0.03,5\nI,0.19,0.145,0.04,0.038,0.0165,0.0065,0.015,4\nM,0.385,0.
31,0.1,0.2845,0.1065,0.075,0.1,11\nI,0.265,0.205,0.07,0.1055,0.039,0.041,0.03
5,5\nM,0.335,0.265,0.105,0.222,0.0935,0.056,0.075,7\nI,0.355,0.275,0.09,0.251,
0.097,0.053,0.08,7\nI,0.32,0.255,0.1,0.1755,0.073,0.0415,0.065,7\nM,0.51,0.4,
0.13,0.6435,0.27,0.1665,0.205,12\nM,0.36,0.295,0.105,0.241,0.0865,0.053,0.095,
8\nI,0.36,0.28,0.09,0.2255,0.0885,0.04,0.09,8\nM,0.5,0.38,0.155,0.5955,0.2135,
0.161,0.2,12\nF,0.4,0.325,0.12,0.3185,0.134,0.0565,0.095,8\nI,0.3,0.22,0.08,0.
121,0.0475,0.042,0.035,5\nI,0.235,0.175,0.04,0.0705,0.0335,0.015,0.02,5\nF,0.7
4,0.6,0.195,1.974,0.598,0.4085,0.71,16\nM,0.62,0.465,0.19,1.3415,0.5705,0.317
5,0.355,11\nM,0.6,0.475,0.19,1.0875,0.403,0.2655,0.325,14\nM,0.59,0.45,0.185,
1.283,0.473,0.276,0.425,16\nM,0.62,0.475,0.185,1.325,0.6045,0.325,0.33,13\nF,
0.565,0.45,0.195,1.0035,0.406,0.2505,0.285,15\nM,0.575,0.455,0.145,1.165,0.58
1,0.2275,0.3,14\nF,0.62,0.51,0.205,1.3475,0.4775,0.2565,0.48,14\nM,0.62,0.465,
0.185,1.274,0.579,0.3065,0.32,12\nF,0.505,0.375,0.18,0.568,0.2325,0.1495,0.17,
12\nF,0.46,0.425,0.155,0.746,0.3005,0.152,0.24,8\nM,0.49,0.39,0.14,0.707,0.279
5,0.2185,0.18,13\nF,0.525,0.42,0.16,0.756,0.2745,0.173,0.275,9\nI,0.34,0.26,0.
08,0.2,0.08,0.0555,0.055,6\nI,0.375,0.305,0.115,0.2715,0.092,0.074,0.09,8\nM,
0.61,0.48,0.15,1.2,0.56,0.2455,0.28,14\nF,0.61,0.495,0.185,1.153,0.536,0.2905,
0.245,8\nF,0.585,0.45,0.17,0.8685,0.3325,0.1635,0.27,22\nM,0.57,0.46,0.14,0.95
35,0.4465,0.2065,0.245,12\nM,0.58,0.455,0.17,0.93,0.408,0.259,0.22,9\nM,0.635,
0.515,0.17,1.275,0.509,0.286,0.34,16\nM,0.7,0.58,0.205,2.13,0.7415,0.49,0.58,2
0\nM,0.675,0.525,0.185,1.587,0.6935,0.336,0.395,13\nF,0.645,0.525,0.19,1.8085,
0.7035,0.3885,0.395,18\nM,0.745,0.585,0.215,2.499,0.9265,0.472,0.7,17\nF,0.68
5,0.545,0.18,1.768,0.7495,0.392,0.485,16\nM,0.605,0.49,0.18,1.227,0.48,0.287,
0.35,18\nF,0.59,0.465,0.15,0.997,0.392,0.246,0.34,12\nF,0.65,0.525,0.175,1.422
5,0.61,0.2995,0.445,20\nF,0.6,0.48,0.15,1.029,0.4085,0.2705,0.295,16\nF,0.62,
0.5,0.175,1.186,0.4985,0.3015,0.35,12\nM,0.63,0.515,0.16,1.016,0.4215,0.244,0.
355,19\nM,0.58,0.465,0.145,0.887,0.4405,0.1655,0.265,11\nF,0.58,0.455,0.12,1.0
735,0.479,0.2735,0.265,10\nM,0.63,0.49,0.18,1.13,0.458,0.2765,0.315,12\nF,0.6
9,0.56,0.215,1.719,0.68,0.299,0.47,17\nF,0.65,0.545,0.165,1.566,0.6645,0.3455,
0.415,16\nF,0.66,0.565,0.195,1.7605,0.692,0.3265,0.5,16\nF,0.68,0.58,0.2,1.78
7,0.585,0.453,0.6,19\nF,0.7,0.575,0.17,1.31,0.5095,0.314,0.42,14\nM,0.685,0.5
2,0.15,1.343,0.4635,0.292,0.4,13\nF,0.675,0.545,0.195,1.7345,0.6845,0.3695,0.6
05,20\nM,0.63,0.49,0.19,1.1775,0.4935,0.3365,0.285,11\nF,0.585,0.45,0.16,1.07
7,0.4995,0.2875,0.25,10\nM,0.565,0.465,0.175,0.995,0.3895,0.183,0.37,15\nF,0.6
1,0.495,0.185,1.1085,0.3705,0.3135,0.33,12\nM,0.605,0.47,0.18,1.1405,0.3755,0.
2805,0.385,15\nM,0.535,0.42,0.145,0.791,0.33,0.189,0.25,10\nM,0.485,0.4,0.135,
0.663,0.313,0.137,0.2,10\nM,0.47,0.375,0.12,0.5565,0.226,0.122,0.195,12\nM,0.5

45,0.425,0.135,0.8445,0.373,0.21,0.235,10\nF,0.455,0.37,0.105,0.4925,0.216,0.1
245,0.135,9\nM,0.54,0.42,0.155,0.7385,0.3515,0.152,0.215,12\nM,0.46,0.38,0.13
5,0.482,0.207,0.1225,0.145,10\nM,0.49,0.42,0.125,0.609,0.239,0.1435,0.22,14\n
I,0.465,0.375,0.12,0.471,0.222,0.119,0.14,9\nI,0.415,0.325,0.1,0.3215,0.1535,
0.0595,0.105,10\nM,0.475,0.375,0.125,0.593,0.277,0.115,0.18,10\nF,0.47,0.375,
0.125,0.5615,0.252,0.137,0.18,10\nI,0.365,0.295,0.095,0.25,0.1075,0.0545,0.08,
9\nI,0.345,0.275,0.095,0.1995,0.0755,0.0535,0.07,6\nI,0.39,0.31,0.1,0.302,0.11
6,0.064,0.115,11\nF,0.5,0.395,0.14,0.7155,0.3165,0.176,0.24,10\nM,0.47,0.38,0.
145,0.5865,0.2385,0.144,0.185,8\nM,0.535,0.44,0.15,0.6765,0.256,0.139,0.26,12
\nM,0.585,0.455,0.15,0.987,0.4355,0.2075,0.31,11\nF,0.485,0.365,0.12,0.5885,0.
27,0.131,0.175,9\nM,0.515,0.455,0.135,0.7225,0.295,0.1625,0.235,9\nF,0.435,0.3
25,0.11,0.4335,0.178,0.0985,0.155,7\nF,0.515,0.415,0.14,0.6935,0.3115,0.152,0.
2,10\nI,0.44,0.345,0.12,0.365,0.1655,0.083,0.11,7\nF,0.525,0.44,0.15,0.8425,0.
3685,0.1985,0.24,12\nM,0.45,0.355,0.115,0.479,0.2125,0.1045,0.15,8\nM,0.59,0.4
85,0.12,0.911,0.39,0.182,0.29,16\nM,0.555,0.45,0.145,0.915,0.4,0.246,0.285,11
\nM,0.57,0.44,0.095,0.827,0.3395,0.2215,0.235,8\nM,0.59,0.5,0.165,1.1045,0.456
5,0.2425,0.34,15\nM,0.585,0.475,0.12,0.945,0.41,0.2115,0.28,14\nF,0.58,0.46,0.
12,0.9935,0.4625,0.2385,0.28,11\nM,0.545,0.44,0.12,0.8565,0.3475,0.1715,0.24,1
2\nF,0.605,0.495,0.17,1.2385,0.528,0.2465,0.39,14\nF,0.62,0.47,0.14,1.0325,0.3
605,0.224,0.36,15\nF,0.63,0.5,0.17,1.3135,0.5595,0.267,0.4,20\nM,0.63,0.515,0.
165,1.352,0.488,0.349,0.45,20\nF,0.63,0.5,0.155,1.005,0.367,0.199,0.36,16\nM,
0.545,0.41,0.14,0.625,0.223,0.16,0.235,13\nF,0.67,0.54,0.165,1.5015,0.518,0.35
8,0.505,14\nI,0.49,0.38,0.12,0.529,0.2165,0.139,0.155,11\nF,0.49,0.39,0.135,0.
5785,0.2465,0.123,0.2,13\nI,0.29,0.225,0.07,0.101,0.036,0.0235,0.035,8\nI,0.2
6,0.2,0.07,0.092,0.037,0.02,0.03,6\nM,0.58,0.45,0.175,1.068,0.425,0.203,0.32,1
3\nF,0.61,0.485,0.165,1.0915,0.3935,0.2435,0.33,18\nM,0.6,0.5,0.16,1.015,0.399
5,0.1735,0.33,19\nF,0.56,0.455,0.125,0.943,0.344,0.129,0.375,21\nF,0.575,0.45,
0.17,1.0475,0.3775,0.1705,0.385,18\nF,0.57,0.45,0.175,0.9555,0.38,0.1665,0.29
5,18\nM,0.6,0.47,0.155,1.036,0.4375,0.196,0.325,20\nM,0.565,0.455,0.17,0.9065,
0.342,0.156,0.32,18\nM,0.545,0.42,0.14,0.7505,0.2475,0.13,0.255,22\nI,0.44,0.3
45,0.1,0.366,0.122,0.0905,0.12,13\nM,0.5,0.41,0.15,0.662,0.2815,0.137,0.22,11
\nI,0.36,0.275,0.095,0.217,0.084,0.0435,0.09,7\nI,0.385,0.305,0.095,0.252,0.09
15,0.055,0.09,14\nM,0.39,0.3,0.09,0.3055,0.143,0.0645,0.085,9\nM,0.5,0.415,0.1
65,0.6885,0.249,0.138,0.25,13\nI,0.36,0.275,0.11,0.2335,0.095,0.0525,0.085,10
\nI,0.335,0.26,0.1,0.192,0.0785,0.0585,0.07,8\nF,0.505,0.425,0.14,0.85,0.275,
0.1625,0.285,19\nI,0.395,0.295,0.1,0.2715,0.134,0.0325,0.085,10\nF,0.41,0.325,
0.105,0.3635,0.159,0.077,0.12,10\nF,0.56,0.455,0.19,0.714,0.283,0.129,0.275,9
\nM,0.565,0.435,0.185,0.9815,0.329,0.136,0.39,13\nM,0.565,0.455,0.185,0.9265,
0.354,0.1575,0.375,16\nM,0.605,0.5,0.175,1.098,0.4765,0.232,0.375,12\nF,0.565,
0.455,0.15,0.8205,0.365,0.159,0.26,18\nM,0.725,0.565,0.215,1.891,0.6975,0.472
5,0.58,16\nF,0.675,0.535,0.16,1.41,0.592,0.3175,0.42,16\nF,0.665,0.555,0.195,
1.4385,0.581,0.354,0.36,17\nF,0.565,0.49,0.155,0.9245,0.405,0.2195,0.255,11\n
F,0.645,0.55,0.175,1.2915,0.57,0.3045,0.33,14\nM,0.575,0.47,0.14,0.8375,0.348
5,0.1735,0.24,11\nF,0.64,0.54,0.175,1.221,0.51,0.259,0.39,15\nI,0.36,0.28,0.10
5,0.199,0.0695,0.045,0.08,9\nI,0.415,0.31,0.11,0.2965,0.123,0.057,0.0995,10\n
F,0.525,0.41,0.135,0.7085,0.293,0.1525,0.235,11\nM,0.38,0.285,0.1,0.2665,0.11
5,0.061,0.075,11\nF,0.585,0.465,0.17,0.9915,0.3865,0.224,0.265,12\nI,0.24,0.18
5,0.07,0.0715,0.026,0.018,0.025,6\nI,0.22,0.165,0.055,0.0545,0.0215,0.012,0.0
2,5\nI,0.255,0.195,0.07,0.0735,0.0255,0.02,0.025,6\nI,0.175,0.125,0.05,0.0235,
0.008,0.0035,0.008,5\nF,0.67,0.55,0.19,1.3905,0.5425,0.3035,0.4,12\nM,0.655,0.
53,0.195,1.388,0.567,0.2735,0.41,13\nF,0.68,0.55,0.21,1.7445,0.5975,0.305,0.62
5,17\nM,0.675,0.555,0.2,1.4385,0.545,0.2665,0.465,21\nF,0.53,0.44,0.135,0.783
5,0.313,0.1715,0.2185,9\nF,0.515,0.405,0.12,0.646,0.2895,0.1405,0.177,10\nI,0.
43,0.34,0.12,0.3575,0.151,0.0645,0.1045,9\nF,0.52,0.405,0.12,0.627,0.2645,0.14
15,0.181,11\nF,0.545,0.415,0.16,0.7715,0.272,0.1455,0.2765,10\nM,0.53,0.415,0.
175,0.7395,0.261,0.1395,0.2645,17\nF,0.465,0.35,0.115,0.421,0.1565,0.091,0.134
5,9\nM,0.665,0.54,0.175,1.347,0.4955,0.254,0.415,17\nM,0.735,0.59,0.225,1.756,
0.637,0.3405,0.58,21\nM,0.66,0.545,0.185,1.32,0.5305,0.2635,0.455,16\nF,0.7,0.
585,0.185,1.8075,0.7055,0.3215,0.475,29\nM,0.575,0.4,0.155,0.9325,0.3605,0.244
5,0.3,17\nM,0.57,0.465,0.125,0.849,0.3785,0.1765,0.24,15\nF,0.58,0.46,0.15,0.9
955,0.429,0.212,0.26,19\nM,0.63,0.48,0.145,1.0115,0.4235,0.237,0.305,12\nF,0.5
85,0.465,0.14,0.908,0.381,0.1615,0.315,13\nM,0.55,0.45,0.13,0.92,0.378,0.2385,
0.29,11\nF,0.625,0.515,0.15,1.2415,0.5235,0.3065,0.36,15\nM,0.54,0.42,0.135,0.
8075,0.3485,0.1795,0.235,11\nF,0.57,0.455,0.165,1.0595,0.44,0.2195,0.285,14\n
M,0.59,0.455,0.145,1.073,0.475,0.19,0.285,14\nM,0.58,0.46,0.13,0.921,0.357,0.1
81,0.29,13\nF,0.655,0.51,0.155,1.2895,0.5345,0.2855,0.41,11\nM,0.655,0.53,0.17
5,1.2635,0.486,0.2635,0.415,15\nM,0.625,0.5,0.195,1.369,0.5875,0.2185,0.37,17
\nF,0.625,0.5,0.15,0.953,0.3445,0.2235,0.305,15\nF,0.64,0.52,0.175,1.248,0.424
5,0.2595,0.48,12\nF,0.605,0.485,0.165,1.0105,0.435,0.209,0.3,19\nF,0.615,0.52

5,0.155,1.0385,0.427,0.2315,0.345,11\nM,0.555,0.45,0.175,0.874,0.3275,0.202,0.
305,10\nF,0.58,0.44,0.18,0.854,0.3665,0.1635,0.245,12\nF,0.62,0.52,0.225,1.183
5,0.378,0.27,0.395,23\nF,0.62,0.47,0.225,1.115,0.378,0.2145,0.36,15\nF,0.6,0.5
05,0.19,1.129,0.4385,0.256,0.36,13\nF,0.625,0.485,0.19,1.1745,0.4385,0.2305,0.
42,17\nM,0.6,0.47,0.175,1.105,0.4865,0.247,0.315,15\nM,0.56,0.46,0.235,0.8395,
0.3325,0.157,0.305,12\nM,0.585,0.455,0.225,1.055,0.3815,0.221,0.365,15\nM,0.5
6,0.435,0.18,0.889,0.36,0.204,0.25,11\nI,0.56,0.445,0.155,0.8735,0.3005,0.209,
0.275,16\nI,0.68,0.53,0.185,1.1095,0.439,0.245,0.34,10\nF,0.455,0.35,0.14,0.51
85,0.221,0.1265,0.135,10\nF,0.49,0.38,0.145,0.6725,0.249,0.181,0.21,10\nM,0.3
1,0.22,0.085,0.146,0.061,0.0365,0.045,6\nF,0.275,0.195,0.07,0.08,0.031,0.0215,
0.025,5\nM,0.27,0.195,0.08,0.1,0.0385,0.0195,0.03,6\nM,0.4,0.29,0.115,0.2795,
0.1115,0.0575,0.075,9\nM,0.28,0.2,0.08,0.0915,0.033,0.0215,0.03,5\nM,0.325,0.2
3,0.09,0.147,0.06,0.034,0.045,4\nF,0.345,0.25,0.09,0.203,0.078,0.059,0.055,6\n
M,0.21,0.15,0.05,0.0385,0.0155,0.0085,0.01,3\nF,0.36,0.27,0.09,0.1885,0.0845,
0.0385,0.055,5\nI,0.365,0.26,0.115,0.218,0.0935,0.0445,0.07,9\nM,0.2,0.14,0.05
5,0.035,0.0145,0.008,0.01,5\nM,0.235,0.16,0.06,0.0545,0.0265,0.0095,0.015,4\n
M,0.175,0.125,0.04,0.024,0.0095,0.006,0.005,4\nM,0.155,0.11,0.04,0.0155,0.006
5,0.003,0.005,3\nF,0.57,0.445,0.155,0.733,0.282,0.159,0.235,14\nF,0.57,0.45,0.
16,0.9715,0.3965,0.255,0.26,12\nM,0.385,0.3,0.095,0.24,0.0885,0.059,0.085,9\n
I,0.53,0.42,0.185,0.752,0.299,0.156,0.205,20\nF,0.46,0.355,0.13,0.458,0.192,0.
1055,0.13,13\nI,0.47,0.37,0.12,0.4705,0.1845,0.1055,0.155,12\nF,0.435,0.335,0.
11,0.38,0.1695,0.086,0.11,9\nI,0.47,0.37,0.14,0.4985,0.2095,0.1225,0.145,10\n
I,0.465,0.38,0.13,0.454,0.1895,0.08,0.155,11\nI,0.52,0.405,0.14,0.5775,0.2,0.1
45,0.179,11\nM,0.29,0.23,0.075,0.1165,0.043,0.0255,0.04,7\nM,0.275,0.205,0.07,
0.094,0.0335,0.02,0.0325,5\nF,0.375,0.29,0.115,0.2705,0.093,0.066,0.0885,10\n
F,0.5,0.375,0.14,0.604,0.242,0.1415,0.179,15\nF,0.44,0.355,0.115,0.415,0.1585,
0.0925,0.131,11\nM,0.42,0.325,0.115,0.2885,0.1,0.057,0.1135,15\nM,0.445,0.35,
0.115,0.3615,0.1565,0.0695,0.117,8\nF,0.38,0.29,0.105,0.257,0.099,0.051,0.085,
10\nM,0.32,0.245,0.075,0.1555,0.0585,0.038,0.049,11\nM,0.255,0.195,0.065,0.08,
0.0315,0.018,0.027,8\nM,0.205,0.155,0.045,0.0425,0.017,0.0055,0.0155,7\nF,0.56
5,0.45,0.16,0.795,0.3605,0.1555,0.23,12\nI,0.555,0.425,0.18,0.875,0.3695,0.200
5,0.255,11\nI,0.65,0.515,0.16,1.1625,0.495,0.203,0.33,17\nI,0.615,0.49,0.155,
0.9885,0.4145,0.195,0.345,13\nI,0.56,0.44,0.165,0.8,0.335,0.1735,0.25,12\nI,0.
48,0.37,0.12,0.514,0.2075,0.131,0.155,13\nI,0.485,0.39,0.125,0.591,0.287,0.14
1,0.12,9\nI,0.5,0.385,0.15,0.6265,0.2605,0.1665,0.16,10\nI,0.525,0.405,0.15,0.
795,0.3075,0.205,0.255,14\nF,0.66,0.5,0.165,1.1905,0.4585,0.298,0.37,12\nF,0.6
6,0.53,0.17,1.326,0.519,0.2625,0.44,13\nI,0.52,0.4,0.145,0.66,0.267,0.1055,0.2
2,13\nF,0.44,0.34,0.105,0.364,0.148,0.0805,0.1175,8\nI,0.515,0.4,0.12,0.659,0.
2705,0.179,0.17,13\nF,0.475,0.35,0.115,0.452,0.1715,0.092,0.155,11\nF,0.545,0.
415,0.15,0.7335,0.2795,0.163,0.2185,11\nF,0.47,0.355,0.13,0.5465,0.2005,0.126,
0.185,14\nM,0.35,0.255,0.065,0.179,0.0705,0.0385,0.06,10\nI,0.485,0.355,0.13,
0.581,0.245,0.132,0.168,12\nI,0.435,0.33,0.125,0.406,0.1685,0.1055,0.096,12\n
M,0.28,0.21,0.08,0.1085,0.041,0.0265,0.0345,7\nF,0.41,0.32,0.115,0.387,0.165,
0.1005,0.0985,11\nI,0.45,0.35,0.14,0.474,0.21,0.109,0.1275,16\nI,0.45,0.345,0.
135,0.443,0.1975,0.0875,0.1175,14\nF,0.59,0.455,0.155,1.066,0.382,0.2275,0.41
5,20\nF,0.57,0.44,0.14,0.9535,0.3785,0.201,0.305,17\nI,0.61,0.475,0.15,0.9665,
0.4145,0.2,0.345,10\nF,0.61,0.475,0.14,1.133,0.5275,0.2355,0.35,11\nI,0.56,0.4
25,0.14,0.9175,0.4005,0.1975,0.26,10\nF,0.585,0.435,0.175,0.982,0.4055,0.2495,
0.27,10\nI,0.58,0.445,0.15,0.8865,0.383,0.209,0.255,11\nF,0.63,0.48,0.175,1.36
75,0.5015,0.3035,0.515,17\nF,0.625,0.49,0.175,1.233,0.5565,0.247,0.365,11\nI,
0.55,0.425,0.15,0.806,0.376,0.171,0.245,14\nF,0.645,0.525,0.19,1.4635,0.6615,
0.3435,0.435,19\nI,0.46,0.355,0.14,0.4935,0.216,0.133,0.115,13\nF,0.41,0.305,
0.1,0.363,0.1735,0.065,0.11,11\nI,0.495,0.39,0.125,0.6655,0.284,0.162,0.2,11\n
I,0.52,0.425,0.17,0.6805,0.28,0.174,0.195,10\nF,0.55,0.41,0.145,0.8285,0.3095,
0.1905,0.25,13\nM,0.45,0.335,0.14,0.4625,0.164,0.076,0.15,14\nF,0.405,0.31,0.1
2,0.3095,0.138,0.058,0.095,13\nI,0.51,0.4,0.15,0.745,0.2865,0.1675,0.235,13\n
F,0.37,0.29,0.115,0.25,0.111,0.057,0.075,9\nI,0.525,0.41,0.175,0.874,0.3585,0.
207,0.205,18\nF,0.66,0.52,0.18,1.514,0.526,0.2975,0.42,19\nM,0.535,0.42,0.15,
0.6995,0.2575,0.153,0.24,12\nI,0.575,0.455,0.18,0.8525,0.3015,0.1825,0.3,13\n
F,0.55,0.43,0.14,0.7135,0.2565,0.186,0.225,9\nI,0.605,0.47,0.14,0.939,0.3385,
0.201,0.32,13\nI,0.605,0.495,0.145,1.054,0.369,0.2255,0.36,12\nF,0.56,0.445,0.
195,0.981,0.305,0.2245,0.335,16\nI,0.535,0.42,0.145,0.926,0.398,0.1965,0.25,17
\nF,0.385,0.315,0.11,0.286,0.1225,0.0635,0.0835,10\nF,0.39,0.3,0.1,0.265,0.107
5,0.06,0.0865,13\nI,0.47,0.345,0.115,0.4885,0.2005,0.108,0.166,11\nI,0.515,0.3
9,0.14,0.5555,0.2,0.1135,0.2235,12\nI,0.425,0.345,0.125,0.425,0.16,0.0795,0.15
4,13\nM,0.345,0.27,0.09,0.195,0.078,0.0455,0.059,9\nI,0.485,0.37,0.13,0.458,0.
181,0.113,0.136,10\nM,0.37,0.285,0.1,0.228,0.0675,0.0675,0.081,10\nM,0.35,0.26
5,0.09,0.1775,0.0575,0.042,0.068,12\nF,0.44,0.345,0.17,0.4085,0.15,0.0825,0.15
15,12\nM,0.195,0.145,0.05,0.032,0.01,0.008,0.012,4\nM,0.325,0.24,0.075,0.155,

0.0475,0.0355,0.06,9\nI,0.495,0.37,0.125,0.4775,0.185,0.0705,0.169,18\nI,0.45,
0.35,0.145,0.525,0.2085,0.1,0.1655,15\nM,0.415,0.345,0.135,0.3865,0.128,0.07,
0.148,13\nF,0.47,0.355,0.14,0.433,0.1525,0.095,0.152,12\nM,0.32,0.24,0.085,0.1
7,0.0655,0.047,0.049,7\nM,0.31,0.225,0.075,0.1295,0.0455,0.0335,0.044,9\nM,0.2
35,0.17,0.055,0.0515,0.018,0.0105,0.0195,7\nM,0.345,0.255,0.08,0.169,0.06,0.04
25,0.054,10\nI,0.485,0.38,0.14,0.673,0.2175,0.13,0.195,18\nF,0.5,0.385,0.115,
0.6785,0.2945,0.138,0.195,12\nF,0.5,0.385,0.105,0.498,0.1795,0.1095,0.17,17\n
I,0.465,0.36,0.105,0.498,0.214,0.116,0.14,15\nF,0.525,0.405,0.16,0.658,0.2655,
0.1125,0.225,12\nF,0.425,0.335,0.095,0.322,0.1205,0.061,0.125,10\nF,0.38,0.30
5,0.095,0.2815,0.1255,0.0525,0.09,8\nI,0.53,0.415,0.145,0.944,0.3845,0.185,0.2
65,21\nM,0.34,0.265,0.085,0.1835,0.077,0.046,0.065,10\nI,0.475,0.365,0.115,0.4
9,0.223,0.1235,0.1335,9\nF,0.43,0.34,0.12,0.391,0.1555,0.095,0.1405,7\nM,0.46,
0.365,0.125,0.467,0.1895,0.0945,0.158,10\nI,0.47,0.36,0.13,0.5225,0.198,0.106
5,0.165,9\nM,0.36,0.295,0.1,0.2105,0.066,0.0525,0.075,9\nM,0.355,0.265,0.09,0.
168,0.05,0.041,0.063,8\nM,0.38,0.235,0.1,0.258,0.1055,0.054,0.08,7\nM,0.355,0.
26,0.085,0.1905,0.081,0.0485,0.055,6\nI,0.44,0.345,0.12,0.487,0.1965,0.108,0.1
6,14\nF,0.51,0.4,0.13,0.5735,0.219,0.1365,0.195,13\nM,0.325,0.24,0.085,0.173,
0.0795,0.038,0.05,7\nI,0.62,0.485,0.18,1.1785,0.4675,0.2655,0.39,13\nF,0.59,0.
45,0.16,0.9,0.358,0.156,0.315,19\nM,0.33,0.255,0.095,0.1875,0.0735,0.045,0.06,
7\nM,0.45,0.34,0.13,0.3715,0.1605,0.0795,0.105,9\nI,0.445,0.33,0.12,0.347,0.1
2,0.084,0.105,11\nM,0.33,0.215,0.075,0.1145,0.045,0.0265,0.035,6\nM,0.48,0.37
5,0.145,0.777,0.216,0.13,0.17,9\nI,0.46,0.35,0.12,0.4885,0.193,0.105,0.155,11
\nF,0.475,0.36,0.125,0.447,0.1695,0.081,0.14,9\nM,0.255,0.18,0.065,0.079,0.03
4,0.014,0.025,5\nI,0.335,0.245,0.09,0.1665,0.0595,0.04,0.06,6\nI,0.47,0.35,0.1
3,0.466,0.1845,0.099,0.145,11\nM,0.31,0.225,0.08,0.1345,0.054,0.024,0.05,7\nF,
0.37,0.28,0.11,0.2305,0.0945,0.0465,0.075,10\nM,0.295,0.215,0.075,0.129,0.05,
0.0295,0.04,7\nF,0.555,0.435,0.165,0.97,0.336,0.2315,0.295,17\nF,0.615,0.515,
0.17,1.14,0.4305,0.2245,0.42,16\nI,0.58,0.49,0.195,1.3165,0.5305,0.254,0.41,18
\nF,0.585,0.475,0.185,0.9585,0.4145,0.1615,0.33,11\nI,0.65,0.525,0.18,1.626,0.
597,0.3445,0.53,18\nI,0.535,0.45,0.17,0.781,0.3055,0.1555,0.295,11\nF,0.415,0.
34,0.13,0.3675,0.146,0.0885,0.12,10\nF,0.38,0.305,0.105,0.281,0.1045,0.0615,0.
09,12\nI,0.45,0.355,0.12,0.412,0.1145,0.0665,0.16,19\nF,0.395,0.295,0.095,0.22
45,0.078,0.054,0.08,10\nM,0.455,0.35,0.12,0.4835,0.1815,0.144,0.16,11\nF,0.48
5,0.38,0.15,0.605,0.2155,0.14,0.18,15\nM,0.55,0.425,0.155,0.9175,0.2775,0.243,
0.335,13\nF,0.45,0.35,0.145,0.5425,0.1765,0.123,0.175,13\nM,0.475,0.385,0.145,
0.6175,0.235,0.108,0.215,14\nF,0.5,0.38,0.155,0.655,0.2405,0.143,0.205,17\nF,
0.53,0.41,0.165,0.8115,0.24,0.169,0.24,19\nM,0.49,0.39,0.15,0.573,0.225,0.124,
0.17,21\nF,0.49,0.385,0.15,0.7865,0.241,0.14,0.24,23\nF,0.52,0.395,0.18,0.64,
0.158,0.11,0.245,22\nM,0.54,0.415,0.145,0.74,0.2635,0.168,0.245,12\nF,0.5,0.37
5,0.115,0.5945,0.185,0.148,0.19,11\nF,0.45,0.38,0.165,0.8165,0.25,0.1915,0.26
5,23\nF,0.37,0.275,0.1,0.2225,0.093,0.026,0.08,8\nI,0.37,0.275,0.1,0.2295,0.08
85,0.0465,0.07,7\nM,0.485,0.37,0.14,0.5725,0.204,0.1415,0.175,10\nF,0.435,0.32
5,0.115,0.3915,0.154,0.094,0.12,7\nM,0.535,0.405,0.185,0.8345,0.3175,0.1725,0.
29,16\nM,0.51,0.4,0.14,0.6515,0.2455,0.1665,0.185,10\nM,0.565,0.44,0.185,0.90
9,0.344,0.2325,0.255,15\nF,0.535,0.4,0.15,0.8045,0.3345,0.2125,0.21,13\nF,0.53
5,0.405,0.125,0.927,0.26,0.1425,0.345,16\nM,0.525,0.4,0.17,0.7305,0.279,0.205
5,0.195,11\nM,0.59,0.44,0.15,0.9555,0.366,0.2425,0.295,11\nM,0.5,0.375,0.15,0.
636,0.2535,0.145,0.19,10\nI,0.255,0.19,0.075,0.0865,0.0345,0.0205,0.025,5\nF,
0.43,0.325,0.115,0.3865,0.1475,0.1065,0.11,11\nM,0.38,0.29,0.12,0.283,0.1175,
0.0655,0.085,9\nI,0.165,0.11,0.02,0.019,0.0065,0.0025,0.005,4\nI,0.315,0.23,0.
09,0.1285,0.043,0.04,0.04,7\nI,0.155,0.105,0.05,0.0175,0.005,0.0035,0.005,4\n
M,0.28,0.205,0.1,0.1165,0.0545,0.0285,0.03,5\nF,0.43,0.335,0.12,0.444,0.155,0.
1145,0.14,13\nF,0.395,0.315,0.105,0.3515,0.1185,0.091,0.1195,16\nM,0.385,0.28
5,0.105,0.2905,0.1215,0.0685,0.0875,12\nF,0.48,0.385,0.135,0.536,0.1895,0.142,
0.173,14\nF,0.445,0.33,0.105,0.4525,0.18,0.103,0.123,9\nM,0.395,0.295,0.115,0.
316,0.1205,0.0595,0.1105,12\nM,0.4,0.3,0.125,0.417,0.191,0.09,0.1175,9\nM,0.41
5,0.325,0.14,0.417,0.1535,0.1015,0.144,10\nM,0.315,0.25,0.09,0.203,0.0615,0.03
7,0.0795,11\nF,0.345,0.26,0.09,0.207,0.0775,0.0435,0.0765,10\nM,0.36,0.295,0.1
3,0.2765,0.0895,0.057,0.1005,10\nI,0.295,0.225,0.09,0.1105,0.0405,0.0245,0.03
2,7\nI,0.325,0.25,0.08,0.176,0.0595,0.0355,0.063,7\nM,0.375,0.3,0.1,0.2465,0.1
04,0.0475,0.083,11\nI,0.28,0.205,0.055,0.1135,0.045,0.0275,0.0335,7\nM,0.355,
0.265,0.085,0.201,0.069,0.053,0.0695,8\nM,0.35,0.255,0.08,0.1915,0.08,0.0385,
0.063,9\nI,0.275,0.2,0.065,0.1035,0.0475,0.0205,0.03,7\nI,0.29,0.205,0.07,0.09
75,0.036,0.019,0.035,8\nI,0.25,0.19,0.06,0.0765,0.036,0.0115,0.0245,6\nI,0.18,
0.125,0.035,0.0265,0.0095,0.0055,0.0085,4\nI,0.15,0.1,0.025,0.015,0.0045,0.00
4,0.005,2\nI,0.16,0.11,0.025,0.018,0.0065,0.0055,0.005,3\nM,0.555,0.455,0.16,
1.0575,0.3925,0.228,0.293,13\nM,0.555,0.44,0.15,1.092,0.416,0.212,0.4405,15\n
M,0.525,0.41,0.13,0.99,0.3865,0.243,0.295,15\nM,0.465,0.36,0.08,0.488,0.191,0.
125,0.155,11\nF,0.49,0.36,0.11,0.5005,0.161,0.107,0.195,17\nM,0.4,0.305,0.085,

0.297,0.108,0.0705,0.1,10\nF,0.48,0.375,0.105,0.525,0.2185,0.1195,0.155,12\nM,
0.505,0.4,0.125,0.77,0.2735,0.159,0.255,13\nF,0.52,0.4,0.12,0.6515,0.261,0.201
5,0.165,15\nM,0.525,0.4,0.13,0.8295,0.2405,0.1825,0.275,11\nM,0.545,0.42,0.13,
0.879,0.374,0.1695,0.23,13\nM,0.52,0.4,0.12,0.823,0.298,0.1805,0.265,15\nM,0.5
05,0.38,0.13,0.656,0.227,0.1785,0.22,13\nM,0.525,0.425,0.12,0.8665,0.2825,0.17
6,0.29,18\nM,0.51,0.39,0.125,0.6565,0.262,0.1835,0.175,10\nM,0.52,0.385,0.115,
0.669,0.2385,0.172,0.205,12\nF,0.52,0.405,0.125,0.6435,0.2415,0.1735,0.21,12\n
M,0.535,0.41,0.135,0.862,0.2855,0.1525,0.32,14\nM,0.445,0.345,0.09,0.3795,0.14
3,0.074,0.125,10\nM,0.53,0.44,0.205,0.835,0.32,0.2175,0.245,14\nF,0.36,0.265,
0.09,0.2065,0.078,0.057,0.06,8\nF,0.535,0.42,0.15,0.7365,0.2785,0.186,0.215,14
\nF,0.52,0.405,0.14,0.8175,0.2795,0.183,0.26,17\nM,0.53,0.415,0.13,0.8425,0.27
5,0.1945,0.265,20\nF,0.53,0.42,0.13,1.001,0.34,0.226,0.265,17\nF,0.66,0.52,0.
2,1.676,0.673,0.4805,0.45,17\nM,0.52,0.385,0.14,0.6595,0.2485,0.2035,0.16,9\n
M,0.535,0.42,0.13,0.8055,0.301,0.181,0.28,14\nM,0.695,0.515,0.175,1.5165,0.57
8,0.4105,0.39,15\nF,0.51,0.39,0.105,0.612,0.187,0.15,0.195,13\nM,0.485,0.355,
0.12,0.547,0.215,0.1615,0.14,10\nF,0.605,0.46,0.17,1.122,0.347,0.3045,0.315,13
\nF,0.58,0.455,0.165,1.1365,0.369,0.3005,0.275,13\nM,0.65,0.515,0.175,1.4805,
0.5295,0.272,0.525,20\nM,0.62,0.505,0.185,1.5275,0.69,0.368,0.35,13\nM,0.615,
0.525,0.155,1.1375,0.367,0.236,0.37,20\nF,0.605,0.495,0.19,1.437,0.469,0.2655,
0.41,15\nM,0.57,0.44,0.155,1.116,0.4775,0.2315,0.27,13\nM,0.57,0.43,0.12,1.061
5,0.348,0.167,0.31,15\nM,0.585,0.405,0.15,1.2565,0.435,0.202,0.325,15\nF,0.55,
0.44,0.155,0.946,0.313,0.1825,0.335,16\nF,0.54,0.44,0.135,0.959,0.2385,0.221,
0.3,17\nM,0.64,0.51,0.19,1.613,0.6215,0.361,0.47,14\nF,0.61,0.47,0.145,1.153,
0.403,0.296,0.32,14\nM,0.545,0.45,0.15,0.978,0.3365,0.1905,0.3,11\nF,0.59,0.44
5,0.13,1.1325,0.3825,0.234,0.32,13\nM,0.345,0.27,0.095,0.197,0.0665,0.05,0.07,
9\nF,0.55,0.43,0.155,0.785,0.289,0.227,0.233,11\nF,0.53,0.425,0.17,0.949,0.348
5,0.2395,0.278,17\nF,0.53,0.455,0.165,0.9805,0.3155,0.2815,0.2965,11\nI,0.485,
0.375,0.14,0.521,0.2,0.123,0.17,8\nM,0.385,0.275,0.115,0.2685,0.0975,0.0825,0.
085,8\nM,0.455,0.34,0.135,0.462,0.1675,0.158,0.12,9\nM,0.49,0.38,0.14,0.7605,
0.245,0.167,0.185,10\nM,0.53,0.41,0.165,0.732,0.189,0.17,0.31,11\nM,0.505,0.38
5,0.145,0.6775,0.236,0.179,0.2,15\nM,0.49,0.38,0.14,0.6385,0.2305,0.142,0.195,
13\nM,0.465,0.35,0.14,0.5755,0.2015,0.1505,0.19,15\nF,0.47,0.36,0.145,0.537,0.
1725,0.1375,0.195,15\nM,0.56,0.41,0.165,0.93,0.3505,0.237,0.3,13\nM,0.505,0.38
5,0.15,0.6415,0.246,0.152,0.215,12\nM,0.515,0.435,0.145,0.8815,0.292,0.206,0.2
55,10\nI,0.385,0.28,0.125,0.244,0.102,0.038,0.085,6\nI,0.215,0.155,0.06,0.052
5,0.021,0.0165,0.015,5\nM,0.55,0.415,0.175,1.042,0.3295,0.2325,0.2905,15\nF,0.
515,0.39,0.13,0.5755,0.1975,0.13,0.1845,9\nM,0.495,0.385,0.135,0.709,0.211,0.1
375,0.262,12\nF,0.505,0.39,0.16,0.644,0.2475,0.2025,0.1635,9\nF,0.6,0.465,0.16
5,0.8875,0.309,0.246,0.262,12\nF,0.57,0.465,0.16,0.8935,0.3145,0.2575,0.263,10
\nF,0.485,0.375,0.135,0.556,0.1925,0.1315,0.1685,10\nM,0.47,0.37,0.18,0.51,0.1
915,0.1285,0.1625,9\nM,0.575,0.45,0.165,0.9215,0.3275,0.225,0.256,12\nM,0.58,
0.465,0.16,1.0345,0.315,0.26,0.3635,12\nM,0.515,0.405,0.145,0.695,0.215,0.163
5,0.234,15\nM,0.53,0.41,0.155,0.7155,0.2805,0.1685,0.214,11\nM,0.44,0.335,0.1
1,0.394,0.157,0.096,0.122,9\nM,0.52,0.42,0.16,0.745,0.255,0.157,0.2885,11\nF,
0.425,0.345,0.11,0.3665,0.125,0.081,0.117,11\nM,0.46,0.34,0.135,0.495,0.1655,
0.117,0.185,10\nM,0.45,0.335,0.125,0.349,0.119,0.1055,0.115,10\nM,0.425,0.33,
0.13,0.4405,0.152,0.0935,0.155,9\nI,0.37,0.275,0.1,0.22,0.094,0.045,0.065,7\n
M,0.515,0.38,0.135,0.6615,0.2875,0.2095,0.155,10\nM,0.405,0.305,0.12,0.3185,0.
1235,0.0905,0.095,7\nI,0.28,0.205,0.07,0.1015,0.041,0.03,0.03,6\nF,0.48,0.4,0.
125,0.759,0.2125,0.179,0.24,15\nF,0.44,0.34,0.13,0.4195,0.153,0.1155,0.13,10\n
F,0.52,0.41,0.115,0.807,0.2855,0.179,0.235,12\nM,0.505,0.405,0.14,0.875,0.266
5,0.174,0.285,12\nF,0.49,0.365,0.13,0.6835,0.165,0.1315,0.205,21\nI,0.235,0.17
5,0.055,0.067,0.027,0.0125,0.018,6\nI,0.255,0.185,0.06,0.088,0.0365,0.021,0.02
3,5\nI,0.315,0.24,0.085,0.1715,0.071,0.0345,0.0535,7\nI,0.325,0.25,0.08,0.173
5,0.0765,0.0345,0.049,7\nI,0.335,0.25,0.08,0.183,0.0735,0.04,0.0575,6\nI,0.35,
0.27,0.09,0.2055,0.075,0.0575,0.062,6\nI,0.35,0.25,0.07,0.18,0.0655,0.048,0.05
4,6\nI,0.36,0.3,0.085,0.27,0.1185,0.064,0.0745,7\nI,0.365,0.275,0.135,0.24,0.1
08,0.0445,0.0735,7\nI,0.37,0.275,0.14,0.2215,0.097,0.0455,0.0615,6\nI,0.38,0.2
75,0.095,0.1375,0.086,0.0585,0.0605,7\nI,0.385,0.29,0.095,0.312,0.143,0.0635,
0.086,6\nI,0.385,0.3,0.1,0.2895,0.1215,0.063,0.09,7\nI,0.395,0.29,0.095,0.319,
0.138,0.08,0.082,7\nI,0.395,0.29,0.095,0.304,0.127,0.084,0.077,6\nI,0.4,0.31,
0.1,0.306,0.13,0.06,0.094,6\nI,0.41,0.325,0.1,0.394,0.208,0.0655,0.106,6\nI,0.
415,0.32,0.11,0.3735,0.175,0.0755,0.109,7\nM,0.415,0.305,0.1,0.325,0.156,0.050
5,0.091,6\nI,0.425,0.325,0.1,0.398,0.1185,0.0645,0.0945,6\nI,0.44,0.365,0.115,
0.501,0.2435,0.084,0.1465,9\nI,0.445,0.335,0.1,0.4895,0.2745,0.086,0.1105,7\n
I,0.445,0.325,0.1,0.378,0.1795,0.1,0.089,7\nI,0.45,0.35,0.13,0.547,0.245,0.140
5,0.1405,8\nM,0.47,0.375,0.12,0.5805,0.266,0.0935,0.169,8\nI,0.475,0.365,0.12
5,0.5465,0.229,0.1185,0.172,9\nF,0.48,0.365,0.135,0.6395,0.2945,0.113,0.175,8
\nI,0.485,0.355,0.105,0.498,0.2175,0.096,0.1525,9\nM,0.49,0.385,0.125,0.609,0.

3065,0.096,0.1775,8\nF,0.495,0.41,0.125,0.7555,0.3355,0.129,0.214,9\nM,0.5,0.
4,0.125,0.5975,0.27,0.1275,0.166,9\nM,0.505,0.44,0.14,0.8275,0.3415,0.1855,0.2
39,8\nM,0.525,0.395,0.13,0.7635,0.3375,0.1425,0.225,8\nM,0.54,0.405,0.125,0.89
1,0.4815,0.1915,0.202,9\nF,0.54,0.42,0.14,0.805,0.369,0.1725,0.21,11\nF,0.545,
0.44,0.135,0.9185,0.429,0.2015,0.2375,10\nF,0.55,0.43,0.125,0.923,0.4035,0.17
5,0.283,8\nM,0.55,0.45,0.15,1.0145,0.407,0.2015,0.2875,10\nF,0.55,0.45,0.15,0.
875,0.362,0.1755,0.2765,10\nM,0.555,0.435,0.145,0.9685,0.4985,0.168,0.2385,9\n
M,0.565,0.45,0.155,1.0595,0.4735,0.24,0.265,10\nM,0.57,0.455,0.15,0.952,0.389
5,0.2155,0.2745,9\nM,0.57,0.435,0.13,0.7535,0.349,0.1755,0.194,10\nF,0.575,0.4
65,0.14,0.958,0.442,0.1815,0.2705,9\nM,0.59,0.475,0.165,1.077,0.4545,0.244,0.3
095,9\nM,0.59,0.46,0.13,1.102,0.455,0.2055,0.33,12\nF,0.595,0.48,0.15,1.11,0.4
98,0.228,0.33,10\nF,0.595,0.48,0.16,1.2095,0.5225,0.296,0.32,8\nF,0.595,0.475,
0.16,1.1405,0.547,0.231,0.271,6\nF,0.595,0.465,0.14,1.113,0.5175,0.244,0.305,1
2\nM,0.6,0.475,0.175,1.3445,0.549,0.2875,0.36,11\nF,0.6,0.475,0.155,1.21,0.65
3,0.1695,0.3205,10\nM,0.6,0.495,0.175,1.29,0.606,0.276,0.3445,11\nF,0.605,0.47
5,0.175,1.382,0.609,0.2325,0.3985,10\nM,0.605,0.455,0.16,1.1035,0.421,0.3015,
0.325,9\nF,0.615,0.5,0.175,1.377,0.5585,0.33,0.292,12\nF,0.615,0.52,0.15,1.343
5,0.629,0.2605,0.345,10\nM,0.615,0.51,0.15,1.296,0.545,0.3315,0.32,9\nM,0.615,
0.505,0.165,1.34,0.5315,0.2815,0.41,12\nF,0.62,0.505,0.16,1.3725,0.6285,0.275,
0.3685,11\nM,0.62,0.5,0.165,1.307,0.6355,0.2545,0.315,9\nF,0.625,0.49,0.155,1.
2085,0.465,0.162,0.411,11\nF,0.625,0.49,0.2,1.3825,0.5895,0.285,0.381,11\nM,0.
63,0.505,0.165,1.26,0.4525,0.2755,0.406,14\nM,0.635,0.51,0.17,1.3555,0.619,0.3
05,0.39,9\nF,0.635,0.5,0.15,1.376,0.6495,0.361,0.31,10\nF,0.635,0.485,0.165,1.
2945,0.668,0.2605,0.2715,9\nF,0.64,0.51,0.165,1.486,0.7595,0.332,0.321,8\nM,0.
65,0.525,0.175,1.4715,0.675,0.315,0.399,11\nM,0.655,0.52,0.165,1.4095,0.586,0.
291,0.405,9\nM,0.655,0.58,0.205,2.0805,0.959,0.3415,0.601,17\nM,0.66,0.53,0.1
7,1.3905,0.5905,0.212,0.453,15\nM,0.66,0.52,0.19,1.558,0.755,0.298,0.4,10\nF,
0.67,0.585,0.16,1.309,0.5445,0.2945,0.413,10\nF,0.675,0.525,0.17,1.8095,0.784,
0.391,0.455,12\nF,0.675,0.525,0.155,1.4785,0.628,0.3405,0.42,9\nF,0.68,0.56,0.
195,1.7775,0.861,0.322,0.415,11\nF,0.685,0.54,0.16,1.6675,0.833,0.3775,0.475,1
1\nF,0.695,0.56,0.22,1.834,0.8455,0.422,0.455,11\nM,0.73,0.595,0.23,2.8255,1.1
465,0.419,0.897,17\nI,0.205,0.14,0.05,0.046,0.0165,0.012,0.0135,6\nI,0.24,0.17
5,0.055,0.0705,0.025,0.014,0.021,5\nI,0.24,0.175,0.065,0.0665,0.031,0.0135,0.0
17,3\nI,0.255,0.19,0.05,0.083,0.0295,0.0215,0.027,6\nI,0.255,0.18,0.055,0.083,
0.031,0.0215,0.02,4\nI,0.265,0.195,0.06,0.092,0.0345,0.025,0.0245,6\nI,0.28,0.
12,0.075,0.117,0.0455,0.029,0.0345,4\nI,0.295,0.23,0.08,0.1625,0.065,0.05,0.03
85,5\nI,0.3,0.235,0.08,0.131,0.05,0.0265,0.043,4\nI,0.3,0.23,0.095,0.1385,0.05
6,0.0365,0.037,6\nI,0.305,0.22,0.07,0.141,0.062,0.031,0.037,5\nI,0.315,0.235,
0.075,0.1485,0.0585,0.0375,0.0425,6\nI,0.315,0.23,0.07,0.144,0.053,0.0305,0.0
4,8\nI,0.32,0.24,0.09,0.1575,0.07,0.0265,0.0425,5\nI,0.325,0.24,0.075,0.187,0.
0825,0.0445,0.05,6\nI,0.33,0.265,0.085,0.196,0.0775,0.0305,0.0445,6\nI,0.335,
0.25,0.075,0.1825,0.0705,0.044,0.055,7\nI,0.335,0.25,0.075,0.186,0.0945,0.038,
0.0445,7\nI,0.34,0.25,0.075,0.1785,0.0665,0.0455,0.045,5\nI,0.34,0.25,0.07,0.2
225,0.104,0.0425,0.055,7\nI,0.345,0.265,0.1,0.2455,0.111,0.0535,0.065,7\nI,0.3
7,0.29,0.095,0.249,0.1045,0.058,0.067,6\nI,0.37,0.28,0.095,0.2865,0.1505,0.06
9,0.0795,7\nI,0.375,0.28,0.09,0.215,0.084,0.06,0.055,6\nI,0.385,0.265,0.08,0.2
51,0.124,0.037,0.07,6\nI,0.41,0.31,0.09,0.339,0.155,0.0695,0.09,7\nI,0.41,0.30
5,0.09,0.3535,0.157,0.0745,0.1,7\nI,0.41,0.31,0.09,0.3335,0.1635,0.061,0.091,6
\nI,0.415,0.33,0.09,0.3595,0.17,0.081,0.09,6\nI,0.42,0.32,0.115,0.376,0.169,0.
092,0.1,5\nI,0.42,0.315,0.1,0.3435,0.157,0.0795,0.09,6\nI,0.425,0.34,0.1,0.38
2,0.164,0.096,0.1,6\nI,0.425,0.315,0.1,0.377,0.1645,0.072,0.105,6\nI,0.43,0.32
5,0.1,0.3645,0.1575,0.0825,0.105,7\nI,0.43,0.325,0.09,0.425,0.217,0.087,0.095,
7\nI,0.435,0.325,0.12,0.3995,0.1815,0.061,0.1125,8\nI,0.435,0.34,0.115,0.3925,
0.1825,0.078,0.1145,6\nI,0.44,0.345,0.13,0.4495,0.209,0.0835,0.134,6\nI,0.44,
0.325,0.09,0.35,0.148,0.067,0.105,7\nF,0.445,0.335,0.11,0.4355,0.2025,0.1095,
0.1195,6\nI,0.445,0.35,0.13,0.4195,0.1695,0.0945,0.1195,7\nI,0.45,0.36,0.13,0.
478,0.191,0.127,0.137,7\nI,0.45,0.355,0.105,0.4445,0.197,0.093,0.1335,8\nI,0.4
5,0.345,0.11,0.47,0.2355,0.0855,0.1135,7\nI,0.45,0.335,0.105,0.447,0.2335,0.15
3,0.119,7\nI,0.455,0.355,0.125,0.5325,0.225,0.126,0.1465,7\nI,0.455,0.375,0.1
2,0.497,0.2355,0.1055,0.1295,6\nI,0.46,0.36,0.1,0.4635,0.2325,0.093,0.115,7\n
I,0.46,0.345,0.105,0.449,0.196,0.0945,0.1265,7\nI,0.465,0.365,0.115,0.467,0.23
15,0.0925,0.113,7\nI,0.465,0.37,0.115,0.534,0.261,0.098,0.143,7\nI,0.465,0.34
5,0.11,0.4415,0.1755,0.0905,0.12,7\nF,0.465,0.35,0.125,0.482,0.23,0.106,0.109
5,6\nM,0.47,0.365,0.12,0.612,0.327,0.15,0.14,8\nF,0.47,0.365,0.12,0.582,0.29,
0.092,0.146,8\nM,0.475,0.37,0.125,0.537,0.222,0.1215,0.15,9\nF,0.475,0.36,0.1
2,0.5915,0.3245,0.11,0.127,6\nM,0.48,0.375,0.115,0.6765,0.3205,0.1065,0.17,6\n
M,0.48,0.385,0.145,0.64,0.2925,0.1405,0.1575,6\nM,0.48,0.36,0.1,0.439,0.194,0.
099,0.115,8\nM,0.48,0.365,0.12,0.6015,0.312,0.117,0.14,7\nF,0.485,0.37,0.115,
0.4785,0.1995,0.0955,0.129,7\nM,0.49,0.385,0.125,0.649,0.32,0.124,0.1695,8\nM,

0.495,0.395,0.135,0.6335,0.3035,0.1295,0.1495,8\nM,0.495,0.4,0.135,0.61,0.272,
0.1435,0.144,7\nM,0.5,0.39,0.135,0.6595,0.3145,0.1535,0.1565,6\nI,0.5,0.385,0.
12,0.56,0.2835,0.103,0.135,8\nM,0.5,0.385,0.135,0.6425,0.3195,0.129,0.1535,7\n
M,0.5,0.4,0.125,0.6725,0.336,0.12,0.1825,7\nF,0.505,0.39,0.13,0.674,0.3165,0.1
41,0.1785,9\nI,0.505,0.39,0.15,0.685,0.362,0.131,0.156,8\nM,0.505,0.41,0.125,
0.642,0.289,0.133,0.155,9\nI,0.505,0.355,0.125,0.601,0.25,0.1205,0.185,8\nM,0.
51,0.39,0.135,0.769,0.3935,0.1455,0.19,8\nI,0.51,0.375,0.1,0.5785,0.238,0.122
5,0.175,7\nI,0.51,0.405,0.135,0.769,0.3655,0.1585,0.18,7\nM,0.51,0.405,0.15,0.
7035,0.347,0.134,0.1885,8\nM,0.51,0.41,0.145,0.796,0.3865,0.1815,0.1955,8\nF,
0.515,0.43,0.14,0.834,0.367,0.2,0.23,8\nM,0.515,0.39,0.155,0.7125,0.3695,0.13
7,0.155,7\nF,0.525,0.415,0.14,0.724,0.3475,0.173,0.175,8\nM,0.525,0.4,0.14,0.7
325,0.334,0.1575,0.17,11\nF,0.53,0.425,0.13,0.7585,0.325,0.197,0.205,8\nF,0.5
3,0.425,0.15,0.8495,0.328,0.232,0.202,8\nM,0.53,0.405,0.125,0.6515,0.2715,0.16
05,0.186,7\nF,0.535,0.4,0.135,0.8215,0.3935,0.196,0.205,8\nM,0.535,0.43,0.14,
0.7165,0.2855,0.1595,0.2155,8\nM,0.535,0.435,0.14,0.874,0.3735,0.229,0.2195,8
\nF,0.55,0.445,0.155,0.9905,0.544,0.178,0.218,9\nF,0.55,0.43,0.14,0.8105,0.36
8,0.161,0.275,9\nF,0.56,0.455,0.16,0.967,0.4525,0.207,0.274,9\nF,0.565,0.4,0.1
3,0.6975,0.3075,0.1665,0.18,8\nM,0.57,0.45,0.155,1.195,0.5625,0.2565,0.295,10
\nM,0.57,0.45,0.155,1.1935,0.513,0.21,0.343,10\nF,0.57,0.455,0.15,1.107,0.54,
0.255,0.27,8\nM,0.57,0.445,0.14,1.0635,0.5265,0.2195,0.24,8\nM,0.57,0.46,0.17,
0.9035,0.4075,0.1935,0.214,7\nM,0.575,0.475,0.16,1.114,0.4955,0.2745,0.29,9\n
F,0.575,0.46,0.16,1.103,0.538,0.221,0.249,9\nF,0.58,0.46,0.15,1.1155,0.5575,0.
2255,0.29,7\nF,0.58,0.46,0.18,1.0515,0.4095,0.2595,0.276,8\nM,0.58,0.455,0.15,
1.012,0.4985,0.2115,0.2835,10\nF,0.58,0.45,0.145,1.137,0.5585,0.22,0.29,8\nM,
0.58,0.49,0.13,1.1335,0.586,0.2565,0.237,9\nM,0.59,0.465,0.155,1.136,0.5245,0.
2615,0.275,11\nM,0.59,0.47,0.16,1.206,0.479,0.2425,0.309,8\nF,0.59,0.455,0.14
5,1.063,0.5155,0.2445,0.25,8\nF,0.595,0.47,0.155,1.121,0.4515,0.178,0.155,11\n
F,0.595,0.45,0.15,1.114,0.5865,0.2205,0.25,11\nM,0.595,0.475,0.165,1.213,0.62
1,0.2435,0.274,9\nF,0.595,0.46,0.14,1.0045,0.4655,0.2095,0.2515,9\nM,0.595,0.4
55,0.15,1.044,0.518,0.2205,0.27,9\nF,0.605,0.49,0.15,1.1345,0.5265,0.2645,0.29
5,9\nM,0.605,0.475,0.155,1.161,0.572,0.2455,0.275,9\nM,0.605,0.47,0.165,1.231
5,0.6025,0.262,0.2925,11\nM,0.61,0.47,0.15,1.1625,0.565,0.258,0.3085,11\nM,0.6
1,0.475,0.155,1.168,0.554,0.239,0.3295,10\nF,0.615,0.48,0.16,1.2525,0.585,0.25
95,0.33,8\nF,0.62,0.51,0.18,1.3315,0.594,0.276,0.388,11\nF,0.625,0.48,0.17,1.3
525,0.6235,0.278,0.365,10\nM,0.625,0.49,0.175,1.3325,0.5705,0.271,0.405,10\nF,
0.625,0.475,0.175,1.1435,0.4755,0.2475,0.349,10\nF,0.625,0.5,0.165,1.288,0.57
3,0.3035,0.315,9\nF,0.625,0.485,0.2,1.38,0.5845,0.302,0.401,9\nM,0.63,0.485,0.
155,1.278,0.637,0.275,0.31,8\nF,0.63,0.495,0.165,1.3075,0.599,0.284,0.315,11\n
M,0.63,0.48,0.15,1.1785,0.5185,0.248,0.3235,8\nM,0.635,0.49,0.175,1.375,0.623,
0.2705,0.395,11\nM,0.635,0.525,0.185,1.4065,0.684,0.3,0.3745,10\nM,0.64,0.505,
0.155,1.4025,0.705,0.2655,0.335,10\nF,0.64,0.5,0.17,1.5175,0.693,0.326,0.409,1
1\nF,0.64,0.5,0.175,1.394,0.4935,0.291,0.4,10\nF,0.645,0.5,0.155,1.2205,0.614
5,0.236,0.3185,10\nM,0.645,0.52,0.175,1.636,0.779,0.342,0.432,11\nM,0.645,0.5
2,0.175,1.561,0.709,0.3555,0.4,8\nF,0.645,0.505,0.165,1.4325,0.684,0.308,0.33
6,8\nM,0.645,0.5,0.175,1.3385,0.633,0.299,0.349,11\nF,0.645,0.5,0.16,1.2465,0.
5475,0.327,0.3,10\nF,0.645,0.515,0.15,1.212,0.515,0.2055,0.385,10\nM,0.65,0.49
5,0.16,1.304,0.57,0.312,0.3725,9\nM,0.65,0.52,0.21,1.6785,0.6665,0.308,0.46,11
\nM,0.65,0.525,0.185,1.622,0.6645,0.3225,0.477,10\nF,0.655,0.46,0.16,1.494,0.6
895,0.331,0.1825,9\nF,0.655,0.51,0.175,1.6525,0.8515,0.3365,0.403,10\nF,0.66,
0.505,0.185,1.528,0.69,0.3025,0.441,11\nM,0.66,0.535,0.19,1.5905,0.6425,0.297,
0.5175,9\nM,0.66,0.495,0.195,1.6275,0.594,0.3595,0.485,10\nF,0.66,0.475,0.18,
1.3695,0.641,0.294,0.335,6\nM,0.67,0.525,0.165,1.6085,0.682,0.3145,0.4005,11\n
F,0.675,0.57,0.225,1.587,0.739,0.2995,0.435,10\nF,0.675,0.565,0.195,1.8375,0.7
645,0.3615,0.553,12\nM,0.68,0.535,0.185,1.607,0.7245,0.3215,0.498,12\nM,0.69,
0.525,0.175,1.7005,0.8255,0.362,0.405,8\nM,0.69,0.505,0.2,1.872,0.893,0.4015,
0.48,10\nF,0.695,0.535,0.175,1.8385,0.8035,0.396,0.503,10\nF,0.705,0.535,0.18,
1.685,0.693,0.42,0.4045,12\nM,0.71,0.565,0.205,2.198,1.012,0.5225,0.5475,11\n
M,0.715,0.565,0.175,1.9525,0.7645,0.4185,0.4135,10\nF,0.715,0.525,0.185,1.56,
0.6655,0.383,0.405,11\nF,0.735,0.6,0.22,2.555,1.1335,0.44,0.6,11\nM,0.765,0.6,
0.22,2.302,1.007,0.509,0.6205,12\nI,0.185,0.13,0.045,0.029,0.012,0.0075,0.009
5,4\nI,0.195,0.15,0.045,0.0375,0.018,0.006,0.011,3\nI,0.195,0.135,0.04,0.0325,
0.0135,0.005,0.0095,4\nI,0.2,0.155,0.04,0.0435,0.0155,0.009,0.007,4\nI,0.225,
0.165,0.055,0.059,0.027,0.0125,0.015,4\nI,0.245,0.18,0.065,0.071,0.03,0.013,0.
0215,4\nI,0.25,0.18,0.065,0.0685,0.0245,0.0155,0.0225,5\nI,0.265,0.195,0.055,
0.084,0.0365,0.0175,0.025,7\nI,0.275,0.195,0.065,0.106,0.054,0.02,0.028,6\nI,
0.28,0.21,0.085,0.1075,0.0415,0.024,0.034,5\nI,0.285,0.22,0.065,0.096,0.0405,
0.0205,0.03,5\nI,0.3,0.22,0.08,0.1255,0.055,0.0265,0.039,6\nI,0.315,0.235,0.05
5,0.151,0.065,0.027,0.039,6\nI,0.32,0.225,0.085,0.1415,0.0675,0.0295,0.0405,6
\nI,0.34,0.265,0.08,0.2015,0.09,0.0475,0.055,5\nI,0.37,0.28,0.1,0.221,0.1165,

0.0265,0.0635,6\nI,0.375,0.28,0.08,0.2345,0.1125,0.0455,0.067,6\nI,0.375,0.27
5,0.1,0.2325,0.1165,0.042,0.065,6\nI,0.385,0.29,0.08,0.2485,0.122,0.0495,0.06
5,7\nI,0.4,0.32,0.095,0.348,0.194,0.053,0.087,6\nI,0.405,0.3,0.11,0.32,0.172,
0.044,0.093,7\nI,0.41,0.3,0.1,0.282,0.1255,0.057,0.0875,7\nI,0.41,0.325,0.1,0.
3245,0.132,0.072,0.106,6\nI,0.42,0.3,0.105,0.316,0.1255,0.07,0.1035,7\nI,0.42,
0.32,0.11,0.3625,0.174,0.0635,0.105,7\nI,0.42,0.31,0.095,0.279,0.1255,0.051,0.
088,6\nI,0.425,0.325,0.115,0.3685,0.162,0.0865,0.1045,7\nM,0.43,0.335,0.12,0.3
97,0.1985,0.0865,0.1035,7\nI,0.435,0.33,0.11,0.413,0.2055,0.096,0.096,6\nI,0.4
35,0.345,0.115,0.418,0.222,0.0735,0.106,7\nI,0.44,0.33,0.11,0.3705,0.1545,0.08
4,0.12,7\nI,0.445,0.345,0.105,0.409,0.1675,0.1015,0.117,7\nI,0.445,0.34,0.145,
0.434,0.1945,0.0905,0.13,7\nI,0.445,0.335,0.11,0.411,0.1985,0.0935,0.109,8\nI,
0.45,0.365,0.125,0.462,0.2135,0.0985,0.1315,8\nI,0.45,0.34,0.12,0.4925,0.241,
0.1075,0.12,6\nI,0.45,0.33,0.105,0.3715,0.1865,0.0785,0.0975,7\nI,0.45,0.33,0.
1,0.411,0.1945,0.1,0.098,6\nI,0.45,0.33,0.11,0.3685,0.16,0.0885,0.102,6\nI,0.4
6,0.35,0.115,0.4155,0.18,0.098,0.1175,7\nM,0.47,0.36,0.105,0.544,0.27,0.1395,
0.129,7\nI,0.47,0.38,0.125,0.4845,0.211,0.1075,0.142,6\nI,0.475,0.35,0.11,0.45
65,0.206,0.099,0.13,6\nI,0.475,0.35,0.1,0.4545,0.2165,0.111,0.115,7\nI,0.48,0.
38,0.125,0.6245,0.3395,0.1085,0.1665,8\nM,0.49,0.465,0.125,0.5225,0.235,0.13,
0.141,7\nI,0.5,0.375,0.14,0.5495,0.248,0.112,0.1585,7\nI,0.5,0.375,0.12,0.542,
0.215,0.116,0.17,9\nI,0.5,0.38,0.125,0.519,0.2485,0.1135,0.134,8\nM,0.5,0.39,
0.125,0.5215,0.2485,0.117,0.131,6\nF,0.505,0.39,0.125,0.5445,0.246,0.15,0.140
5,7\nI,0.51,0.405,0.125,0.6795,0.3465,0.1395,0.182,8\nF,0.51,0.4,0.125,0.545,
0.261,0.115,0.1385,6\nI,0.51,0.4,0.125,0.5575,0.2615,0.1195,0.1525,9\nI,0.51,
0.38,0.115,0.5155,0.215,0.1135,0.166,8\nI,0.515,0.385,0.125,0.6115,0.3175,0.12
65,0.15,8\nM,0.52,0.4,0.145,0.7765,0.3525,0.1845,0.185,9\nI,0.52,0.38,0.135,0.
5395,0.2295,0.133,0.157,8\nI,0.52,0.38,0.125,0.5545,0.288,0.1295,0.167,8\nF,0.
52,0.46,0.15,1.019,0.523,0.1985,0.254,7\nI,0.525,0.4,0.13,0.6455,0.325,0.1245,
0.17,8\nI,0.525,0.4,0.14,0.601,0.2625,0.1285,0.1835,9\nM,0.525,0.405,0.12,0.75
55,0.3755,0.1555,0.201,9\nI,0.525,0.395,0.12,0.608,0.297,0.1395,0.1405,8\nI,0.
53,0.4,0.125,0.617,0.279,0.127,0.19,8\nI,0.535,0.39,0.125,0.599,0.2595,0.149,
0.169,9\nI,0.54,0.42,0.14,0.6665,0.3125,0.138,0.1895,10\nM,0.545,0.39,0.135,0.
7835,0.4225,0.1815,0.156,7\nM,0.545,0.41,0.12,0.793,0.434,0.1405,0.19,9\nM,0.5
45,0.415,0.14,0.82,0.4615,0.127,0.218,9\nF,0.55,0.415,0.135,0.8145,0.427,0.185
5,0.175,8\nF,0.55,0.43,0.15,0.84,0.395,0.195,0.223,8\nM,0.55,0.425,0.15,0.831
5,0.411,0.1765,0.2165,10\nM,0.56,0.43,0.145,0.8995,0.464,0.1775,0.234,9\nM,0.5
6,0.445,0.16,0.8965,0.42,0.2175,0.2215,8\nF,0.56,0.44,0.155,0.6405,0.336,0.176
5,0.245,8\nM,0.56,0.415,0.145,0.852,0.43,0.1885,0.205,8\nM,0.565,0.455,0.15,0.
9595,0.4565,0.2395,0.23,9\nM,0.565,0.435,0.15,0.99,0.5795,0.1825,0.206,8\nF,0.
565,0.45,0.175,1.0095,0.447,0.2375,0.2645,9\nM,0.57,0.46,0.15,1.0375,0.5415,0.
2035,0.25,9\nF,0.57,0.445,0.145,0.8775,0.412,0.217,0.22,8\nI,0.57,0.44,0.15,0.
755,0.3425,0.16,0.224,8\nF,0.575,0.46,0.145,0.9945,0.466,0.229,0.265,7\nF,0.57
5,0.45,0.16,1.068,0.556,0.214,0.2575,10\nM,0.575,0.435,0.14,0.8455,0.401,0.19
1,0.222,9\nF,0.575,0.47,0.165,0.869,0.435,0.197,0.238,9\nM,0.575,0.455,0.135,
0.907,0.4245,0.197,0.26,9\nI,0.575,0.435,0.13,0.805,0.3155,0.2155,0.245,10\nM,
0.575,0.445,0.17,1.0225,0.549,0.2175,0.228,9\nM,0.575,0.445,0.145,0.847,0.415,
0.1945,0.22,9\nM,0.58,0.455,0.15,1.114,0.4765,0.2155,0.265,8\nM,0.58,0.455,0.1
95,1.859,0.945,0.426,0.441,9\nM,0.58,0.445,0.135,0.814,0.3775,0.1915,0.22,9\n
M,0.58,0.45,0.14,0.9615,0.486,0.1815,0.253,9\nM,0.58,0.45,0.145,1.0025,0.547,
0.1975,0.2295,8\nF,0.58,0.45,0.155,0.93,0.385,0.246,0.265,9\nM,0.585,0.46,0.14
5,0.9335,0.478,0.1825,0.235,9\nM,0.585,0.465,0.16,0.9555,0.4595,0.236,0.265,7
\nM,0.59,0.47,0.15,0.9955,0.481,0.232,0.24,8\nF,0.6,0.475,0.16,1.0265,0.485,0.
2495,0.2565,9\nM,0.6,0.455,0.17,1.1915,0.696,0.2395,0.24,8\nF,0.6,0.465,0.15,
1.1025,0.5455,0.262,0.25,8\nM,0.6,0.465,0.155,1.0165,0.512,0.2465,0.225,10\nF,
0.605,0.47,0.165,1.1775,0.611,0.2275,0.292,9\nM,0.605,0.475,0.14,1.1175,0.555,
0.257,0.274,9\nM,0.605,0.48,0.17,1.1835,0.582,0.2365,0.317,10\nF,0.605,0.475,
0.165,1.056,0.433,0.2195,0.357,9\nM,0.61,0.485,0.16,1.0145,0.5315,0.212,0.241
5,8\nM,0.61,0.485,0.145,1.3305,0.783,0.2255,0.2865,9\nM,0.61,0.47,0.165,1.052,
0.498,0.242,0.267,9\nM,0.615,0.46,0.17,1.0565,0.4815,0.272,0.27,10\nF,0.615,0.
465,0.15,0.923,0.4615,0.1825,0.2415,9\nF,0.615,0.475,0.155,1.027,0.447,0.25,0.
285,9\nM,0.62,0.47,0.135,1.0195,0.5315,0.2005,0.2475,8\nM,0.62,0.45,0.2,0.858,
0.4285,0.1525,0.2405,8\nF,0.62,0.48,0.16,1.1125,0.5635,0.2445,0.281,8\nF,0.62
5,0.485,0.175,1.3745,0.7335,0.2715,0.332,9\nM,0.625,0.48,0.185,1.2065,0.587,0.
29,0.286,8\nM,0.63,0.47,0.155,1.1325,0.589,0.211,0.287,8\nM,0.63,0.5,0.175,1.2
645,0.5635,0.3065,0.3425,10\nF,0.635,0.495,0.015,1.1565,0.5115,0.308,0.2885,9
\nM,0.64,0.515,0.165,1.369,0.632,0.3415,0.358,10\nM,0.645,0.53,0.195,1.39,0.64
65,0.2945,0.3735,10\nF,0.645,0.48,0.17,1.1345,0.528,0.254,0.305,10\nF,0.65,0.
5,0.19,1.464,0.6415,0.339,0.4245,9\nM,0.65,0.5,0.155,1.202,0.565,0.3135,0.294,
11\nM,0.655,0.515,0.16,1.31,0.553,0.369,0.345,11\nF,0.655,0.51,0.175,1.415,0.5
885,0.3725,0.364,10\nF,0.66,0.53,0.185,1.346,0.546,0.2705,0.476,11\nM,0.665,0.

525,0.16,1.363,0.629,0.279,0.34,8\nI,0.665,0.5,0.17,1.2975,0.6035,0.291,0.359
5,9\nF,0.67,0.505,0.205,1.3645,0.6075,0.3025,0.353,9\nF,0.685,0.54,0.215,1.702
5,0.664,0.3655,0.4735,14\nM,0.685,0.52,0.165,1.519,0.699,0.3685,0.4,10\nF,0.6
9,0.54,0.155,1.454,0.624,0.3105,0.39,9\nM,0.69,0.53,0.21,1.583,0.7355,0.405,0.
3865,12\nF,0.69,0.53,0.17,1.5535,0.7945,0.3485,0.3695,9\nM,0.695,0.56,0.185,1.
74,0.885,0.3715,0.4375,10\nM,0.7,0.565,0.18,1.751,0.895,0.3355,0.446,9\nM,0.7,
0.575,0.19,2.273,1.095,0.418,0.638,12\nF,0.7,0.525,0.19,1.6465,0.8545,0.307,0.
3995,9\nF,0.705,0.55,0.17,1.219,0.6395,0.236,0.301,9\nF,0.71,0.56,0.18,1.652,
0.735,0.381,0.4525,11\nM,0.715,0.55,0.19,2.0045,1.0465,0.407,0.5075,12\nM,0.71
5,0.535,0.19,1.6755,0.889,0.313,0.42,10\nF,0.72,0.58,0.195,2.103,1.0265,0.48,
0.5375,10\nF,0.72,0.55,0.2,1.9965,0.9035,0.469,0.5215,10\nM,0.72,0.565,0.145,
1.187,0.691,0.1945,0.2685,8\nM,0.725,0.505,0.185,1.978,1.026,0.4255,0.4505,12
\nF,0.73,0.575,0.185,1.8795,0.931,0.38,0.4825,12\nM,0.735,0.585,0.185,2.124,0.
952,0.55,0.5,11\nM,0.745,0.565,0.215,1.931,0.896,0.4585,0.5,11\nF,0.75,0.57,0.
21,2.236,1.109,0.5195,0.545,11\nF,0.755,0.625,0.21,2.505,1.1965,0.513,0.6785,1
1\nM,0.755,0.58,0.205,2.0065,0.8295,0.4015,0.595,10\nF,0.78,0.63,0.215,2.657,
1.488,0.4985,0.586,11\nI,0.185,0.375,0.12,0.4645,0.196,0.1045,0.15,6\nI,0.245,
0.205,0.06,0.0765,0.034,0.014,0.0215,4\nI,0.25,0.185,0.065,0.0685,0.0295,0.01
4,0.0225,5\nI,0.25,0.19,0.065,0.0835,0.039,0.015,0.025,5\nI,0.275,0.195,0.09,
0.1125,0.0545,0.0295,0.0355,6\nI,0.305,0.215,0.065,0.1075,0.044,0.0205,0.038,5
\nI,0.31,0.225,0.07,0.1055,0.435,0.015,0.04,5\nI,0.315,0.23,0.08,0.1375,0.054
5,0.031,0.0445,5\nI,0.315,0.23,0.07,0.1145,0.046,0.0235,0.0385,5\nI,0.325,0.22
5,0.075,0.139,0.0565,0.032,0.09,6\nI,0.33,0.25,0.095,0.2085,0.102,0.0395,0.05
2,7\nI,0.33,0.205,0.095,0.1595,0.077,0.032,0.0435,5\nI,0.335,0.245,0.09,0.201
5,0.096,0.0405,0.048,7\nI,0.34,0.25,0.09,0.179,0.0775,0.033,0.055,6\nI,0.345,
0.255,0.095,0.1945,0.0925,0.037,0.055,6\nI,0.345,0.255,0.085,0.2005,0.105,0.03
7,0.05,5\nI,0.35,0.27,0.075,0.215,0.1,0.036,0.065,6\nI,0.35,0.255,0.09,0.1785,
0.0855,0.0305,0.0525,8\nI,0.36,0.27,0.085,0.196,0.0875,0.035,0.064,4\nI,0.365,
0.27,0.085,0.1875,0.081,0.042,0.058,6\nI,0.365,0.27,0.085,0.196,0.0825,0.0375,
0.06,7\nI,0.365,0.265,0.085,0.213,0.0945,0.049,0.06,7\nI,0.37,0.29,0.09,0.244
5,0.089,0.0655,0.075,7\nI,0.37,0.28,0.085,0.217,0.1095,0.035,0.062,6\nI,0.375,
0.29,0.095,0.213,0.096,0.041,0.061,5\nI,0.375,0.29,0.085,0.2385,0.118,0.045,0.
0695,7\nI,0.375,0.275,0.09,0.218,0.093,0.0405,0.0755,6\nI,0.375,0.275,0.095,0.
2465,0.11,0.0415,0.0775,6\nI,0.375,0.28,0.08,0.2025,0.0825,0.048,0.065,8\nI,0.
375,0.27,0.085,0.218,0.0945,0.039,0.07,7\nI,0.38,0.275,0.11,0.256,0.11,0.0535,
0.0755,6\nI,0.38,0.27,0.08,0.2105,0.0865,0.042,0.07,8\nI,0.385,0.29,0.09,0.261
5,0.111,0.0595,0.0745,9\nI,0.385,0.28,0.085,0.2175,0.097,0.038,0.067,8\nI,0.38
5,0.3,0.095,0.302,0.152,0.0615,0.0735,7\nI,0.385,0.28,0.09,0.228,0.1025,0.042,
0.0655,5\nI,0.39,0.3,0.095,0.3265,0.1665,0.0575,0.089,7\nI,0.395,0.305,0.105,
0.284,0.1135,0.0595,0.0945,8\nI,0.395,0.295,0.095,0.2725,0.115,0.0625,0.085,8
\nI,0.395,0.27,0.1,0.2985,0.1445,0.061,0.082,5\nI,0.4,0.29,0.1,0.2675,0.1205,
0.0605,0.0765,5\nI,0.405,0.285,0.09,0.2645,0.1265,0.0505,0.075,6\nI,0.41,0.33
5,0.11,0.33,0.157,0.0705,0.17,7\nI,0.42,0.305,0.09,0.328,0.168,0.0615,0.082,6
\nI,0.425,0.325,0.11,0.3335,0.173,0.045,0.1,7\nI,0.425,0.32,0.1,0.3055,0.126,
0.06,0.106,7\nI,0.425,0.31,0.09,0.301,0.1385,0.065,0.08,7\nI,0.43,0.34,0,0.42
8,0.2065,0.086,0.115,8\nI,0.43,0.315,0.095,0.378,0.175,0.08,0.1045,8\nI,0.435,
0.315,0.11,0.3685,0.1615,0.0715,0.12,7\nI,0.44,0.34,0.12,0.438,0.2115,0.083,0.
12,9\nI,0.45,0.33,0.105,0.448,0.208,0.089,0.12,9\nI,0.455,0.345,0.105,0.4005,
0.164,0.0755,0.126,8\nF,0.455,0.365,0.115,0.4305,0.184,0.108,0.1245,8\nI,0.45
5,0.33,0.1,0.372,0.358,0.0775,0.11,8\nI,0.46,0.36,0.105,0.466,0.2225,0.099,0.1
1,7\nI,0.46,0.35,0.105,0.3705,0.1575,0.077,0.114,9\nF,0.46,0.365,0.125,0.4785,
0.206,0.1045,0.141,8\nI,0.465,0.34,0.11,0.346,0.1425,0.073,0.113,11\nI,0.47,0.
365,0.1,0.411,0.175,0.0855,0.135,8\nI,0.47,0.355,0.18,0.48,0.2055,0.105,0.150
5,8\nI,0.47,0.355,0.12,0.393,0.167,0.0885,0.115,8\nI,0.475,0.355,0.1,0.5035,0.
2535,0.091,0.14,8\nI,0.475,0.38,0.12,0.441,0.1785,0.0885,0.1505,8\nI,0.475,0.3
6,0.11,0.492,0.211,0.11,0.15,8\nI,0.48,0.37,0.125,0.5435,0.244,0.101,0.165,9\n
I,0.48,0.355,0.115,0.4725,0.2065,0.112,0.132,8\nI,0.48,0.365,0.1,0.461,0.2205,
0.0835,0.135,8\nI,0.495,0.355,0.12,0.4965,0.214,0.1045,0.1495,8\nI,0.495,0.38,
0.13,0.5125,0.2185,0.116,0.16,7\nM,0.495,0.395,0.12,0.553,0.224,0.1375,0.167,8
\nI,0.5,0.38,0.135,0.594,0.2945,0.104,0.1565,9\nM,0.5,0.42,0.135,0.6765,0.302,
0.1415,0.2065,9\nI,0.5,0.375,0.145,0.5795,0.239,0.1375,0.185,9\nI,0.5,0.41,0.1
4,0.6615,0.2585,0.1625,0.196,9\nI,0.5,0.375,0.125,0.5695,0.259,0.124,0.157,7\n
I,0.5,0.395,0.14,0.6215,0.2925,0.1205,0.195,9\nI,0.505,0.405,0.13,0.6015,0.301
5,0.11,0.18,8\nI,0.505,0.38,0.12,0.594,0.2595,0.1435,0.18,7\nI,0.505,0.395,0.1
05,0.551,0.248,0.103,0.171,8\nI,0.515,0.38,0.12,0.625,0.3265,0.1295,0.16,7\nI,
0.515,0.42,0.135,0.711,0.337,0.144,0.205,13\nI,0.515,0.4,0.135,0.6965,0.32,0.1
255,0.175,9\nI,0.52,0.4,0.13,0.5825,0.233,0.1365,0.18,10\nI,0.52,0.395,0.125,
0.663,0.3005,0.131,0.1905,9\nI,0.525,0.4,0.125,0.6965,0.369,0.1385,0.164,9\nM,
0.525,0.42,0.155,0.842,0.428,0.1415,0.2045,9\nI,0.53,0.415,0.13,0.694,0.3905,

0.111,0.167,9\nI,0.53,0.42,0.155,0.81,0.4725,0.111,0.192,10\nI,0.53,0.415,0.1
1,0.5745,0.2525,0.1235,0.189,9\nI,0.53,0.425,0.13,0.7675,0.419,0.1205,0.21,9\n
I,0.535,0.4,0.135,0.6025,0.2895,0.121,0.154,9\nI,0.535,0.415,0.15,0.5765,0.359
5,0.135,0.225,8\nF,0.535,0.41,0.13,0.7145,0.335,0.144,0.2075,9\nM,0.535,0.435,
0.15,0.717,0.3475,0.1445,0.194,9\nF,0.54,0.42,0.145,0.8655,0.4315,0.163,0.217
5,10\nI,0.54,0.42,0.14,0.7265,0.3205,0.1445,0.229,9\nI,0.545,0.435,0.135,0.771
5,0.372,0.148,0.227,8\nF,0.545,0.445,0.15,0.8,0.3535,0.163,0.207,9\nI,0.545,0.
43,0.15,0.7285,0.302,0.1315,0.2545,10\nI,0.545,0.405,0.135,0.5945,0.27,0.1185,
0.185,8\nI,0.55,0.43,0.145,0.7895,0.3745,0.171,0.223,11\nF,0.55,0.405,0.125,0.
651,0.2965,0.137,0.2,9\nM,0.55,0.43,0.15,0.8745,0.413,0.1905,0.248,9\nI,0.55,
0.435,0.14,0.7535,0.3285,0.1555,0.2325,10\nI,0.55,0.425,0.135,0.7305,0.3325,0.
1545,0.215,9\nM,0.555,0.44,0.14,0.8705,0.407,0.156,0.255,9\nI,0.555,0.43,0.15
5,0.7395,0.3135,0.1435,0.28,10\nI,0.555,0.43,0.14,0.7665,0.341,0.165,0.23,9\n
I,0.555,0.425,0.145,0.7905,0.3485,0.1765,0.225,9\nI,0.56,0.425,0.135,0.8205,0.
3715,0.185,0.236,9\nI,0.56,0.425,0.145,0.688,0.3095,0.1305,0.2165,9\nF,0.56,0.
445,0.155,1.224,0.5565,0.3225,0.2695,10\nI,0.56,0.455,0.145,0.974,0.547,0.161
5,0.235,9\nI,0.565,0.44,0.175,0.8735,0.414,0.21,0.21,11\nF,0.565,0.45,0.145,0.
8495,0.4215,0.1685,0.225,8\nM,0.565,0.445,0.15,0.796,0.3635,0.184,0.219,8\nM,
0.565,0.39,0.125,0.744,0.352,0.13,0.1685,11\nI,0.57,0.45,0.145,0.751,0.2825,0.
2195,0.2215,10\nI,0.57,0.45,0.135,0.794,0.3815,0.1415,0.245,8\nF,0.57,0.46,0.1
35,0.9795,0.397,0.2525,0.2655,9\nM,0.57,0.435,0.17,0.873,0.382,0.183,0.2705,10
\nI,0.57,0.44,0.13,0.7665,0.347,0.1785,0.202,10\nM,0.57,0.435,0.125,0.8965,0.3
83,0.1835,0.275,9\nF,0.575,0.42,0.135,0.857,0.461,0.147,0.2125,10\nF,0.575,0.4
8,0.165,1.078,0.511,0.2095,0.306,9\nM,0.575,0.46,0.155,0.892,0.4415,0.176,0.2
2,10\nM,0.58,0.46,0.155,1.4395,0.6715,0.273,0.2955,10\nM,0.58,0.455,0.135,0.79
55,0.405,0.167,0.204,10\nF,0.58,0.445,0.15,0.858,0.4,0.156,0.253,8\nM,0.585,0.
465,0.155,0.9145,0.4555,0.1965,0.235,9\nM,0.585,0.49,0.185,1.171,0.522,0.2535,
0.335,10\nI,0.585,0.475,0.16,1.0505,0.48,0.234,0.285,10\nM,0.585,0.46,0.165,1.
1135,0.5825,0.2345,0.274,10\nM,0.585,0.47,0.165,1.409,0.8,0.229,0.295,10\nM,0.
585,0.475,0.15,1.065,0.5315,0.199,0.2885,10\nM,0.585,0.45,0.18,0.7995,0.336,0.
1855,0.237,8\nI,0.59,0.445,0.135,0.7715,0.328,0.1745,0.23,9\nM,0.59,0.47,0.18,
1.187,0.5985,0.227,0.31,9\nM,0.59,0.455,0.155,0.8855,0.388,0.188,0.275,10\nF,
0.595,0.465,0.15,0.98,0.4115,0.196,0.2255,10\nF,0.595,0.465,0.155,1.026,0.464
5,0.112,0.305,12\nM,0.6,0.475,0.17,1.1315,0.508,0.272,0.309,10\nM,0.6,0.48,0.1
55,1.014,0.451,0.1885,0.325,11\nI,0.6,0.475,0.15,1.12,0.565,0.2465,0.27,10\nF,
0.6,0.465,0.155,1.04,0.4755,0.25,0.28,11\nF,0.6,0.455,0.145,0.8895,0.419,0.171
5,0.269,10\nM,0.6,0.46,0.155,0.9595,0.4455,0.189,0.295,11\nI,0.605,0.485,0.15,
1.238,0.6315,0.226,0.33,11\nM,0.605,0.49,0.14,0.9755,0.419,0.206,0.315,10\nI,
0.605,0.435,0.13,0.9025,0.432,0.174,0.26,11\nF,0.605,0.475,0.175,1.076,0.463,
0.2195,0.335,9\nF,0.605,0.47,0.16,1.0835,0.5405,0.2215,0.275,12\nM,0.61,0.45,
0.15,0.871,0.407,0.1835,0.25,10\nM,0.61,0.48,0.165,1.244,0.6345,0.257,0.305,12
\nM,0.61,0.475,0.17,1.0265,0.435,0.2335,0.3035,10\nI,0.61,0.465,0.15,0.9605,0.
4495,0.1725,0.286,9\nM,0.61,0.48,0.17,1.137,0.4565,0.29,0.347,10\nM,0.61,0.46,
0.16,1,0.494,0.197,0.275,10\nF,0.615,0.475,0.155,1.004,0.4475,0.193,0.2895,10
\nM,0.615,0.47,0.165,1.128,0.4465,0.2195,0.34,10\nM,0.615,0.5,0.17,1.054,0.484
5,0.228,0.295,10\nF,0.615,0.475,0.165,1.023,0.4905,0.1955,0.3035,12\nM,0.615,
0.475,0.17,1.129,0.4795,0.302,0.3,10\nM,0.615,0.48,0.175,1.118,0.446,0.3195,0.
3,9\nF,0.615,0.475,0.155,1.115,0.484,0.2115,0.355,10\nM,0.62,0.51,0.175,1.281
5,0.5715,0.2385,0.39,10\nM,0.62,0.495,0.18,1.2555,0.5765,0.254,0.355,12\nF,0.6
2,0.5,0.15,1.293,0.596,0.3135,0.354,10\nF,0.62,0.475,0.16,1.1295,0.463,0.2685,
0.33,10\nM,0.625,0.455,0.17,1.082,0.4955,0.2345,0.315,9\nF,0.625,0.505,0.175,
1.15,0.5475,0.256,0.3045,11\nF,0.625,0.515,0.16,1.264,0.5715,0.326,0.321,9\nF,
0.625,0.48,0.155,1.2035,0.5865,0.239,0.3185,12\nF,0.63,0.485,0.17,1.3205,0.594
5,0.345,0.345,9\nI,0.63,0.505,0.18,1.272,0.6025,0.295,0.315,11\nM,0.63,0.485,
0.145,1.062,0.5065,0.1785,0.3365,12\nI,0.63,0.475,0.145,1.0605,0.5165,0.2195,
0.28,10\nM,0.63,0.495,0.16,1.093,0.497,0.221,0.315,12\nM,0.635,0.49,0.16,1.10
1,0.534,0.1865,0.3455,10\nF,0.635,0.5,0.165,1.4595,0.705,0.2645,0.39,9\nF,0.63
5,0.495,0.175,1.211,0.707,0.2725,0.323,9\nM,0.635,0.475,0.17,1.1935,0.5205,0.2
695,0.3665,10\nM,0.635,0.51,0.155,0.986,0.405,0.2255,0.31,10\nM,0.64,0.565,0.2
3,1.521,0.644,0.372,0.406,15\nM,0.64,0.525,0.18,1.3135,0.4865,0.2995,0.4075,10
\nM,0.645,0.51,0.16,1.1835,0.556,0.2385,0.345,11\nM,0.645,0.5,0.195,1.401,0.61
65,0.3515,0.3725,10\nM,0.645,0.525,0.16,1.5075,0.7455,0.245,0.4325,11\nF,0.65,
0.505,0.165,1.16,0.4785,0.274,0.349,11\nF,0.65,0.59,0.22,1.662,0.77,0.378,0.43
5,11\nM,0.65,0.525,0.175,1.5365,0.6865,0.3585,0.405,11\nM,0.65,0.51,0.19,1.54
2,0.7155,0.3735,0.375,9\nF,0.65,0.51,0.17,1.567,0.7245,0.349,0.391,10\nF,0.65
5,0.525,0.19,1.3595,0.564,0.3215,0.3985,10\nM,0.655,0.535,0.205,1.6445,0.7305,
0.3595,0.46,13\nF,0.655,0.52,0.19,1.4545,0.6,0.3865,0.383,10\nM,0.655,0.49,0.1
75,1.3585,0.6395,0.294,0.365,10\nF,0.66,0.495,0.21,1.548,0.724,0.3525,0.3925,1
0\nF,0.66,0.515,0.17,1.337,0.615,0.3125,0.3575,10\nF,0.665,0.53,0.18,1.491,0.6

345,0.342,0.435,10\nF,0.67,0.53,0.225,1.5615,0.63,0.487,0.3725,11\nF,0.67,0.50
5,0.175,1.0145,0.4375,0.271,0.3745,10\nM,0.675,0.545,0.185,1.7375,0.876,0.313
5,0.469,13\nM,0.685,0.545,0.205,1.7925,0.8145,0.416,0.461,9\nF,0.695,0.565,0.1
9,1.7635,0.7465,0.399,0.4975,11\nF,0.7,0.545,0.13,1.556,0.6725,0.374,0.195,12
\nM,0.705,0.565,0.515,2.21,1.1075,0.4865,0.512,10\nM,0.705,0.555,0.215,2.141,
1.0465,0.383,0.528,11\nF,0.705,0.57,0.18,1.5345,0.96,0.4195,0.43,12\nF,0.71,0.
55,0.17,1.614,0.743,0.345,0.45,11\nF,0.72,0.575,0.17,1.9335,0.913,0.389,0.51,1
3\nM,0.72,0.575,0.215,2.173,0.9515,0.564,0.5365,12\nF,0.725,0.6,0.2,1.737,0.69
7,0.3585,0.595,11\nF,0.73,0.58,0.19,1.7375,0.6785,0.4345,0.52,11\nF,0.735,0.56
5,0.205,2.1275,0.949,0.46,0.565,12\nF,0.745,0.57,0.215,2.25,1.1565,0.446,0.55
8,9\nF,0.75,0.61,0.235,2.5085,1.232,0.519,0.612,14\nF,0.815,0.65,0.25,2.255,0.
8905,0.42,0.7975,14\nI,0.14,0.105,0.035,0.014,0.0055,0.0025,0.004,3\nI,0.23,0.
165,0.06,0.0515,0.019,0.0145,0.036,4\nI,0.365,0.265,0.135,0.2215,0.105,0.047,
0.0605,7\nI,0.365,0.255,0.08,0.1985,0.0785,0.0345,0.053,5\nI,0.37,0.27,0.095,
0.232,0.1325,0.041,0.0615,6\nI,0.375,0.28,0.085,0.3155,0.187,0.046,0.067,7\nI,
0.385,0.3,0.09,0.247,0.1225,0.044,0.0675,5\nI,0.395,0.295,0.09,0.3025,0.143,0.
0665,0.0765,5\nI,0.4,0.29,0.11,0.329,0.188,0.0455,0.0825,6\nI,0.4,0.3,0.09,0.2
815,0.1185,0.061,0.08,7\nI,0.405,0.31,0.095,0.3425,0.1785,0.064,0.0855,8\nI,0.
405,0.29,0.09,0.2825,0.112,0.075,0.0815,7\nI,0.405,0.3,0.105,0.304,0.1455,0.06
1,0.0805,6\nI,0.41,0.32,0.095,0.2905,0.141,0.063,0.073,5\nM,0.415,0.315,0.115,
0.3895,0.2015,0.065,0.103,9\nI,0.425,0.34,0.105,0.389,0.2015,0.0905,0.088,6\n
I,0.43,0.34,0.105,0.4405,0.2385,0.0745,0.1075,6\nI,0.44,0.34,0.105,0.369,0.16
4,0.08,0.1015,5\nM,0.44,0.32,0.12,0.4565,0.2435,0.092,0.1025,8\nI,0.44,0.365,
0.11,0.4465,0.213,0.089,0.1135,9\nM,0.45,0.335,0.125,0.4475,0.2165,0.126,0.11,
6\nI,0.455,0.335,0.135,0.501,0.274,0.0995,0.1065,7\nI,0.46,0.355,0.11,0.436,0.
1975,0.096,0.125,8\nI,0.47,0.345,0.14,0.4615,0.229,0.1105,0.116,9\nI,0.47,0.3
5,0.125,0.4315,0.19,0.1165,0.1175,6\nI,0.47,0.355,0.12,0.3685,0.126,0.0835,0.1
365,6\nM,0.475,0.37,0.125,0.649,0.347,0.136,0.142,8\nI,0.475,0.365,0.115,0.45
9,0.2175,0.093,0.1165,7\nF,0.475,0.365,0.115,0.566,0.281,0.117,0.1335,7\nI,0.4
8,0.36,0.125,0.542,0.2795,0.1025,0.147,7\nI,0.485,0.38,0.12,0.4725,0.2075,0.10
75,0.147,6\nM,0.485,0.39,0.085,0.6435,0.2945,0.103,0.198,8\nM,0.485,0.37,0.13,
0.526,0.2485,0.105,0.1555,6\nF,0.495,0.38,0.12,0.573,0.2655,0.1285,0.144,7\nM,
0.505,0.385,0.105,0.5525,0.239,0.1245,0.1555,9\nF,0.505,0.38,0.135,0.6855,0.36
1,0.1565,0.161,9\nI,0.515,0.395,0.125,0.556,0.2695,0.096,0.17,8\nM,0.515,0.42
5,0.145,0.9365,0.497,0.181,0.2185,8\nI,0.515,0.4,0.125,0.5625,0.25,0.1245,0.1
7,7\nM,0.52,0.4,0.125,0.559,0.254,0.139,0.149,8\nM,0.525,0.4,0.14,0.7205,0.368
5,0.145,0.1735,8\nI,0.53,0.43,0.13,0.7045,0.346,0.1415,0.189,9\nM,0.53,0.4,0.1
25,0.7575,0.398,0.151,0.175,8\nF,0.545,0.41,0.14,0.7405,0.3565,0.1775,0.203,9
\nF,0.55,0.43,0.14,0.84,0.375,0.218,0.1945,8\nM,0.55,0.425,0.16,0.793,0.343,0.
2035,0.215,9\nF,0.56,0.43,0.15,0.8745,0.453,0.161,0.22,8\nF,0.56,0.435,0.15,0.
8715,0.4755,0.1835,0.1835,9\nM,0.57,0.445,0.15,0.9875,0.504,0.207,0.249,8\nM,
0.575,0.465,0.15,1.08,0.595,0.2065,0.238,9\nM,0.575,0.46,0.165,0.9155,0.4005,
0.2465,0.2385,8\nF,0.58,0.46,0.175,1.165,0.65,0.2205,0.3055,9\nF,0.58,0.435,0.
14,0.953,0.475,0.2165,0.2095,9\nM,0.585,0.455,0.15,0.906,0.4095,0.23,0.2335,8
\nM,0.59,0.44,0.15,0.8725,0.387,0.215,0.245,8\nF,0.59,0.465,0.15,1.151,0.613,
0.239,0.2515,9\nF,0.59,0.46,0.145,0.9905,0.453,0.2205,0.275,8\nF,0.595,0.455,
0.16,1.04,0.452,0.2655,0.288,9\nM,0.6,0.455,0.155,0.945,0.4365,0.2085,0.25,8\n
M,0.6,0.465,0.2,1.259,0.6405,0.1985,0.357,9\nF,0.605,0.485,0.165,0.9515,0.453
5,0.193,0.2765,11\nF,0.605,0.485,0.16,1.201,0.417,0.2875,0.38,9\nF,0.605,0.51
5,0.17,1.289,0.6,0.2945,0.3315,9\nF,0.61,0.485,0.17,1.1005,0.5125,0.229,0.305,
11\nI,0.615,0.475,0.13,0.8425,0.353,0.1915,0.251,8\nM,0.62,0.485,0.155,1.049,
0.462,0.231,0.25,10\nF,0.62,0.435,0.155,1.012,0.477,0.236,0.275,8\nM,0.62,0.4
8,0.165,1.0725,0.4815,0.235,0.312,9\nM,0.625,0.52,0.175,1.4105,0.691,0.322,0.3
465,10\nM,0.625,0.47,0.18,1.136,0.451,0.3245,0.305,11\nM,0.63,0.47,0.145,1.100
5,0.52,0.26,0.276,9\nF,0.63,0.5,0.175,1.1105,0.467,0.268,0.329,10\nM,0.63,0.45
5,0.15,1.1315,0.481,0.2745,0.305,9\nM,0.63,0.48,0.15,1.271,0.6605,0.2425,0.31,
11\nF,0.63,0.49,0.225,1.336,0.6805,0.259,0.3245,10\nF,0.635,0.505,0.145,1.134
5,0.505,0.2655,0.315,10\nM,0.635,0.51,0.185,1.308,0.544,0.318,0.377,8\nF,0.64,
0.515,0.205,1.5335,0.6635,0.3345,0.4025,9\nF,0.645,0.515,0.175,1.546,0.7035,0.
365,0.415,10\nM,0.645,0.51,0.155,1.539,0.6405,0.3585,0.43,11\nF,0.645,0.505,0.
165,1.318,0.55,0.3015,0.335,11\nF,0.65,0.545,0.175,1.5245,0.59,0.326,0.495,10
\nM,0.65,0.515,0.175,1.466,0.677,0.3045,0.4,10\nF,0.65,0.5,0.16,1.3825,0.702,
0.304,0.3195,9\nM,0.65,0.485,0.14,1.175,0.475,0.2435,0.215,8\nF,0.655,0.54,0.2
15,1.5555,0.695,0.296,0.444,11\nM,0.655,0.51,0.215,1.7835,0.8885,0.4095,0.419
5,11\nM,0.66,0.505,0.165,1.374,0.589,0.351,0.345,10\nF,0.665,0.515,0.18,1.389,
0.5945,0.324,0.395,10\nM,0.67,0.545,0.2,1.7025,0.833,0.374,0.41,11\nM,0.67,0.5
1,0.175,1.5265,0.651,0.4475,0.345,10\nM,0.67,0.5,0.19,1.519,0.616,0.388,0.415,
10\nF,0.68,0.5,0.185,1.741,0.7665,0.3255,0.4685,12\nM,0.68,0.515,0.17,1.6115,
0.8415,0.306,0.395,11\nM,0.69,0.525,0.2,1.7825,0.9165,0.3325,0.461,12\nF,0.7,

0.55,0.17,1.684,0.7535,0.3265,0.32,11\nM,0.7,0.555,0.2,1.858,0.73,0.3665,0.59
5,11\nM,0.705,0.56,0.165,1.675,0.797,0.4095,0.388,10\nM,0.72,0.565,0.2,2.1055,
1.017,0.363,0.494,12\nM,0.725,0.575,0.24,2.21,1.351,0.413,0.5015,13\nM,0.74,0.
57,0.18,1.8725,0.9115,0.427,0.446,10\nM,0.75,0.55,0.18,1.893,0.942,0.397,0.44
5,11\nI,0.21,0.17,0.045,0.0475,0.019,0.011,0.013,5\nI,0.285,0.21,0.055,0.101,
0.0415,0.017,0.0335,5\nI,0.295,0.215,0.07,0.121,0.047,0.0155,0.0405,6\nI,0.3,
0.23,0.085,0.117,0.05,0.0175,0.0415,6\nI,0.305,0.225,0.09,0.1465,0.063,0.034,
0.0415,6\nI,0.335,0.255,0.08,0.168,0.079,0.0355,0.05,5\nI,0.35,0.26,0.075,0.1
8,0.09,0.0245,0.055,5\nI,0.355,0.27,0.075,0.1775,0.079,0.0315,0.054,6\nI,0.35
5,0.26,0.09,0.1985,0.0715,0.0495,0.058,7\nI,0.36,0.27,0.095,0.2,0.073,0.056,0.
061,8\nI,0.36,0.275,0.075,0.2205,0.0985,0.044,0.066,7\nI,0.36,0.265,0.075,0.18
45,0.083,0.0365,0.055,7\nI,0.365,0.27,0.085,0.2225,0.0935,0.0525,0.066,7\nI,0.
37,0.27,0.095,0.2175,0.097,0.046,0.065,6\nI,0.375,0.28,0.08,0.2165,0.0935,0.09
25,0.07,7\nI,0.38,0.285,0.095,0.243,0.0895,0.0665,0.075,7\nI,0.38,0.29,0.1,0.2
37,0.108,0.0395,0.082,6\nI,0.385,0.29,0.09,0.2365,0.1,0.0505,0.076,8\nI,0.385,
0.28,0.095,0.257,0.119,0.059,0.07,7\nI,0.385,0.3,0.09,0.308,0.1525,0.056,0.083
5,8\nI,0.39,0.3,0.09,0.252,0.1065,0.053,0.08,7\nI,0.39,0.285,0.1,0.281,0.1275,
0.062,0.077,7\nI,0.39,0.29,0.1,0.2225,0.095,0.0465,0.073,7\nI,0.41,0.3,0.09,0.
304,0.129,0.071,0.0955,8\nI,0.41,0.3,0.09,0.28,0.141,0.0575,0.075,8\nI,0.415,
0.325,0.1,0.313,0.139,0.0625,0.0965,7\nI,0.425,0.325,0.11,0.317,0.135,0.048,0.
09,8\nI,0.425,0.315,0.08,0.303,0.131,0.0585,0.095,7\nI,0.435,0.335,0.1,0.3295,
0.129,0.07,0.11,7\nI,0.435,0.325,0.11,0.367,0.1595,0.08,0.105,6\nI,0.45,0.34,
0.095,0.3245,0.1385,0.064,0.105,8\nI,0.45,0.335,0.11,0.4195,0.181,0.085,0.134
5,7\nI,0.455,0.36,0.115,0.457,0.2085,0.0855,0.147,10\nI,0.46,0.35,0.11,0.4,0.1
76,0.083,0.1205,7\nI,0.46,0.355,0.11,0.4255,0.2015,0.081,0.13,7\nI,0.465,0.37,
0.12,0.4365,0.188,0.0815,0.147,9\nI,0.465,0.345,0.11,0.393,0.1825,0.0735,0.12,
8\nI,0.47,0.355,0.125,0.499,0.21,0.0985,0.155,8\nI,0.475,0.36,0.145,0.6325,0.2
825,0.137,0.19,8\nM,0.475,0.36,0.1,0.4285,0.1965,0.099,0.112,7\nI,0.475,0.36,
0.125,0.4905,0.205,0.1305,0.125,8\nI,0.48,0.37,0.125,0.474,0.179,0.1035,0.175,
9\nI,0.48,0.37,0.12,0.536,0.251,0.114,0.15,8\nM,0.48,0.355,0.16,0.464,0.221,0.
106,0.239,8\nI,0.485,0.375,0.13,0.6025,0.2935,0.1285,0.16,7\nI,0.49,0.375,0.11
5,0.4615,0.204,0.0945,0.143,8\nI,0.49,0.4,0.135,0.624,0.3035,0.1285,0.169,8\n
I,0.495,0.37,0.125,0.4715,0.2075,0.091,0.15,8\nI,0.495,0.4,0.105,0.602,0.2505,
0.1265,0.19,8\nI,0.5,0.4,0.12,0.616,0.261,0.143,0.1935,8\nI,0.5,0.39,0.12,0.59
55,0.2455,0.147,0.173,8\nI,0.5,0.375,0.14,0.559,0.2375,0.135,0.169,9\nI,0.51,
0.395,0.13,0.6025,0.281,0.143,0.162,7\nF,0.515,0.375,0.11,0.6065,0.3005,0.131,
0.15,6\nI,0.515,0.36,0.125,0.4725,0.1815,0.125,0.138,9\nI,0.515,0.35,0.105,0.4
745,0.213,0.123,0.1275,10\nI,0.515,0.395,0.125,0.6635,0.32,0.14,0.17,8\nI,0.51
5,0.39,0.125,0.5705,0.238,0.1265,0.185,8\nI,0.52,0.41,0.145,0.646,0.2965,0.159
5,0.165,9\nI,0.52,0.39,0.13,0.5545,0.2355,0.1095,0.1895,7\nM,0.525,0.415,0.14
5,0.845,0.3525,0.1635,0.2875,8\nI,0.525,0.39,0.12,0.664,0.3115,0.147,0.178,9\n
I,0.525,0.38,0.135,0.615,0.261,0.159,0.175,8\nI,0.525,0.4,0.14,0.654,0.305,0.1
6,0.169,7\nM,0.525,0.4,0.155,0.707,0.282,0.1605,0.225,9\nI,0.53,0.42,0.12,0.59
65,0.2555,0.141,0.177,7\nI,0.53,0.43,0.135,0.6255,0.245,0.1455,0.2135,10\nI,0.
53,0.4,0.145,0.555,0.1935,0.1305,0.195,9\nI,0.53,0.42,0.13,0.8365,0.3745,0.16
7,0.249,11\nI,0.535,0.4,0.13,0.657,0.2835,0.162,0.175,7\nI,0.54,0.43,0.17,0.83
6,0.3725,0.1815,0.24,9\nI,0.54,0.425,0.14,0.742,0.32,0.1395,0.25,9\nI,0.54,0.4
3,0.14,0.8195,0.3935,0.1725,0.2295,9\nM,0.54,0.455,0.14,0.972,0.419,0.255,0.26
9,10\nI,0.54,0.42,0.14,0.6275,0.2505,0.1175,0.235,9\nI,0.54,0.425,0.13,0.7205,
0.2955,0.169,0.225,10\nI,0.54,0.425,0.135,0.686,0.3475,0.1545,0.213,8\nI,0.54
5,0.4,0.13,0.686,0.3285,0.1455,0.18,9\nI,0.545,0.375,0.12,0.543,0.2375,0.1155,
0.1725,8\nI,0.545,0.42,0.125,0.717,0.358,0.112,0.22,8\nM,0.55,0.435,0.14,0.762
5,0.327,0.1685,0.259,10\nI,0.55,0.425,0.15,0.639,0.269,0.1345,0.217,9\nI,0.55,
0.42,0.135,0.816,0.3995,0.1485,0.23,12\nI,0.55,0.415,0.145,0.7815,0.373,0.16,
0.2215,8\nI,0.55,0.425,0.15,0.7665,0.339,0.176,0.21,8\nI,0.555,0.395,0.13,0.55
85,0.222,0.1245,0.17,9\nI,0.555,0.435,0.14,0.765,0.3945,0.15,0.206,8\nI,0.555,
0.46,0.145,0.9005,0.3845,0.158,0.2765,11\nI,0.56,0.445,0.15,0.8225,0.3685,0.18
7,0.236,10\nI,0.56,0.44,0.13,0.7235,0.349,0.149,0.2,8\nM,0.56,0.425,0.135,0.84
9,0.3265,0.221,0.2645,10\nI,0.565,0.42,0.155,0.743,0.31,0.186,0.231,9\nF,0.56
5,0.44,0.15,0.863,0.435,0.149,0.27,9\nM,0.565,0.44,0.125,0.802,0.3595,0.1825,
0.215,9\nM,0.565,0.43,0.15,0.831,0.4245,0.1735,0.219,10\nF,0.57,0.45,0.135,0.7
805,0.3345,0.185,0.21,8\nM,0.57,0.45,0.14,0.795,0.3385,0.148,0.245,9\nI,0.57,
0.435,0.17,0.848,0.4,0.166,0.25,9\nI,0.57,0.43,0.145,0.833,0.354,0.144,0.2815,
10\nI,0.57,0.445,0.155,0.867,0.3705,0.1705,0.28,9\nI,0.57,0.445,0.145,0.7405,
0.306,0.172,0.1825,12\nM,0.575,0.455,0.165,0.867,0.3765,0.1805,0.268,8\nI,0.57
5,0.425,0.135,0.7965,0.364,0.196,0.239,10\nF,0.575,0.47,0.155,1.116,0.509,0.23
8,0.34,10\nI,0.575,0.45,0.125,0.78,0.3275,0.188,0.235,9\nM,0.575,0.47,0.185,0.
985,0.3745,0.2175,0.355,10\nF,0.575,0.465,0.195,0.9965,0.417,0.247,0.47,8\nI,
0.575,0.445,0.17,0.8015,0.3475,0.1465,0.25,9\nI,0.575,0.45,0.135,0.807,0.3615,

0.176,0.254,10\nF,0.575,0.435,0.15,1.0305,0.4605,0.218,0.36,8\nM,0.575,0.445,
0.16,0.839,0.4005,0.198,0.239,9\nM,0.575,0.44,0.16,0.9615,0.483,0.166,0.275,13
\nF,0.58,0.435,0.15,0.834,0.428,0.1515,0.23,8\nM,0.58,0.46,0.155,1.0335,0.469,
0.2225,0.295,10\nM,0.58,0.43,0.13,0.798,0.365,0.173,0.2285,10\nI,0.58,0.445,0.
125,0.7095,0.303,0.1405,0.235,9\nF,0.585,0.445,0.14,0.913,0.4305,0.2205,0.253,
10\nM,0.59,0.49,0.165,1.207,0.559,0.235,0.309,10\nI,0.59,0.45,0.145,1.022,0.42
8,0.268,0.265,10\nI,0.59,0.46,0.145,0.9015,0.419,0.1785,0.26,11\nF,0.595,0.43
5,0.15,0.9,0.4175,0.17,0.265,8\nM,0.595,0.45,0.14,0.838,0.3965,0.194,0.217,10
\nM,0.595,0.45,0.145,0.959,0.463,0.2065,0.2535,10\nI,0.595,0.46,0.15,0.8335,0.
377,0.1925,0.235,8\nF,0.6,0.46,0.155,0.9735,0.427,0.2045,0.3,8\nF,0.6,0.475,0.
15,1.13,0.575,0.196,0.305,9\nM,0.6,0.48,0.165,0.9165,0.4135,0.1965,0.2725,9\n
I,0.6,0.48,0.17,0.9175,0.38,0.2225,0.29,8\nF,0.6,0.48,0.18,1.0645,0.4495,0.245
5,0.325,10\nM,0.6,0.47,0.165,1.059,0.504,0.241,0.275,9\nM,0.6,0.47,0.16,1.194,
0.5625,0.3045,0.2635,10\nF,0.605,0.455,0.145,0.9775,0.468,0.1775,0.275,9\nM,0.
605,0.475,0.145,0.884,0.3835,0.1905,0.27,8\nI,0.605,0.47,0.145,0.8025,0.379,0.
2265,0.22,9\nF,0.605,0.48,0.14,0.991,0.4735,0.2345,0.24,8\nF,0.605,0.47,0.155,
0.974,0.393,0.224,0.3345,9\nF,0.605,0.505,0.18,1.434,0.7285,0.264,0.431,11\nM,
0.61,0.475,0.155,0.983,0.4565,0.228,0.266,10\nF,0.61,0.465,0.16,1.0725,0.4835,
0.2515,0.28,10\nF,0.61,0.485,0.15,1.2405,0.6025,0.2915,0.3085,12\nM,0.61,0.47,
0.16,1.022,0.449,0.2345,0.2945,9\nF,0.61,0.475,0.16,1.1155,0.3835,0.223,0.379,
10\nI,0.61,0.465,0.125,0.9225,0.436,0.19,0.26,9\nM,0.61,0.47,0.17,1.1185,0.522
5,0.2405,0.31,9\nF,0.61,0.485,0.18,1.2795,0.5735,0.2855,0.355,7\nM,0.615,0.47,
0.16,1.0175,0.473,0.2395,0.28,10\nM,0.615,0.475,0.175,1.224,0.6035,0.261,0.31
1,9\nI,0.62,0.485,0.18,1.154,0.4935,0.256,0.315,12\nF,0.62,0.515,0.155,1.3255,
0.6685,0.2605,0.335,12\nM,0.62,0.515,0.175,1.221,0.535,0.241,0.395,13\nF,0.62,
0.54,0.165,1.139,0.4995,0.2435,0.357,11\nI,0.62,0.49,0.16,1.066,0.446,0.246,0.
305,11\nF,0.62,0.48,0.18,1.2215,0.582,0.2695,0.313,12\nI,0.62,0.47,0.14,0.856
5,0.3595,0.16,0.295,9\nI,0.62,0.45,0.135,0.924,0.358,0.2265,0.2965,10\nM,0.62,
0.48,0.15,1.266,0.6285,0.2575,0.309,12\nF,0.62,0.48,0.175,1.0405,0.464,0.2225,
0.3,9\nM,0.625,0.49,0.165,1.1165,0.4895,0.2615,0.3325,11\nM,0.625,0.475,0.16,
1.0845,0.5005,0.2355,0.3105,10\nM,0.625,0.5,0.17,1.0985,0.4645,0.22,0.354,9\n
I,0.625,0.47,0.155,1.1955,0.643,0.2055,0.3145,12\nF,0.625,0.485,0.175,1.362,0.
6765,0.2615,0.3705,10\nI,0.625,0.485,0.15,1.044,0.438,0.2865,0.278,9\nM,0.63,
0.505,0.17,1.0915,0.4615,0.266,0.3,9\nF,0.63,0.5,0.18,1.1965,0.514,0.2325,0.39
95,8\nM,0.63,0.49,0.17,1.1745,0.5255,0.273,0.339,11\nM,0.63,0.485,0.165,1.233,
0.6565,0.2315,0.3035,10\nM,0.63,0.495,0.175,1.2695,0.605,0.271,0.328,11\nI,0.6
35,0.5,0.165,1.489,0.715,0.3445,0.3615,13\nM,0.635,0.5,0.17,1.4345,0.611,0.30
9,0.418,12\nF,0.635,0.49,0.175,1.2435,0.5805,0.313,0.305,10\nF,0.635,0.49,0.1
7,1.2615,0.5385,0.2665,0.38,9\nF,0.64,0.505,0.165,1.2235,0.5215,0.2695,0.36,10
\nM,0.64,0.515,0.18,1.247,0.5475,0.2925,0.3685,10\nM,0.64,0.525,0.185,1.707,0.
763,0.4205,0.4435,11\nM,0.645,0.505,0.15,1.1605,0.519,0.2615,0.335,10\nM,0.64
5,0.5,0.175,1.286,0.5645,0.288,0.386,12\nM,0.645,0.5,0.19,1.5595,0.741,0.3715,
0.3845,14\nM,0.645,0.51,0.19,1.4745,0.605,0.345,0.48,9\nM,0.645,0.51,0.195,1.2
26,0.5885,0.2215,0.3745,10\nM,0.645,0.51,0.16,1.33,0.6665,0.309,0.317,9\nF,0.6
45,0.51,0.16,1.2415,0.5815,0.276,0.315,9\nM,0.645,0.5,0.175,1.3375,0.554,0.30
8,0.415,10\nF,0.645,0.51,0.19,1.363,0.573,0.362,0.36,10\nM,0.645,0.485,0.15,1.
2215,0.5695,0.2735,0.33,9\nF,0.645,0.48,0.19,1.371,0.6925,0.2905,0.35,12\nF,0.
65,0.495,0.155,1.337,0.615,0.3195,0.335,9\nM,0.65,0.505,0.19,1.274,0.59,0.23,
0.391,11\nM,0.65,0.525,0.185,1.488,0.665,0.337,0.378,11\nM,0.65,0.51,0.16,1.38
35,0.6385,0.2905,0.3665,9\nM,0.655,0.55,0.18,1.274,0.586,0.281,0.365,10\nF,0.6
55,0.51,0.15,1.043,0.4795,0.223,0.305,9\nF,0.655,0.505,0.19,1.3485,0.5935,0.27
45,0.425,12\nF,0.655,0.505,0.195,1.4405,0.688,0.3805,0.363,11\nM,0.66,0.5,0.16
5,1.3195,0.667,0.269,0.341,9\nF,0.66,0.535,0.175,1.5175,0.711,0.3125,0.415,12
\nM,0.66,0.53,0.195,1.5505,0.6505,0.3295,0.495,10\nM,0.66,0.51,0.165,1.6375,0.
7685,0.3545,0.3925,14\nM,0.665,0.525,0.175,1.443,0.6635,0.3845,0.353,11\nM,0.6
65,0.505,0.16,1.289,0.6145,0.253,0.3665,11\nF,0.665,0.505,0.16,1.2915,0.631,0.
2925,0.32,11\nM,0.665,0.52,0.175,1.3725,0.606,0.32,0.395,12\nM,0.665,0.5,0.17
5,1.2975,0.6075,0.314,0.315,9\nM,0.67,0.505,0.16,1.2585,0.6255,0.311,0.308,12
\nM,0.67,0.52,0.165,1.39,0.711,0.2865,0.3,11\nF,0.67,0.52,0.19,1.32,0.5235,0.3
095,0.4275,13\nF,0.67,0.55,0.155,1.566,0.858,0.339,0.354,10\nF,0.67,0.54,0.19
5,1.619,0.74,0.3305,0.465,11\nM,0.675,0.525,0.16,1.2835,0.572,0.2755,0.3545,13
\nF,0.675,0.51,0.195,1.382,0.6045,0.3175,0.3965,10\nM,0.68,0.52,0.195,1.4535,
0.592,0.391,0.4125,10\nF,0.68,0.51,0.2,1.6075,0.714,0.339,0.4705,11\nM,0.685,
0.52,0.15,1.3735,0.7185,0.293,0.32,11\nF,0.685,0.565,0.175,1.638,0.7775,0.375,
0.438,11\nF,0.69,0.55,0.2,1.569,0.687,0.3675,0.46,12\nM,0.7,0.565,0.175,1.856
5,0.8445,0.3935,0.54,10\nF,0.7,0.535,0.175,1.773,0.6805,0.48,0.512,15\nF,0.70
5,0.545,0.17,1.58,0.6435,0.4565,0.265,11\nM,0.71,0.575,0.215,2.009,0.9895,0.44
75,0.502,11\nF,0.71,0.57,0.195,1.9805,0.9925,0.4925,0.48,12\nF,0.71,0.54,0.20
5,1.5805,0.802,0.287,0.435,10\nM,0.71,0.56,0.22,2.015,0.9215,0.454,0.566,11\n

M,0.72,0.57,0.2,1.8275,0.919,0.366,0.485,10\nM,0.72,0.55,0.205,2.125,1.1455,0.
4425,0.511,13\nF,0.72,0.525,0.18,1.445,0.631,0.3215,0.435,7\nF,0.725,0.565,0.2
1,2.1425,1.03,0.487,0.503,14\nF,0.73,0.56,0.19,1.9425,0.799,0.5195,0.5655,11\n
M,0.735,0.59,0.215,1.747,0.7275,0.403,0.557,11\nF,0.74,0.565,0.205,2.119,0.965
5,0.5185,0.482,12\nF,0.75,0.565,0.215,1.938,0.7735,0.4825,0.575,11\nM,0.75,0.5
95,0.205,2.2205,1.083,0.421,0.63,12\nM,0.77,0.62,0.195,2.5155,1.1155,0.6415,0.
642,12\nM,0.775,0.63,0.25,2.7795,1.3485,0.76,0.578,12\nI,0.275,0.175,0.09,0.23
15,0.096,0.057,0.0705,5\nI,0.375,0.245,0.1,0.394,0.166,0.091,0.1125,6\nF,0.37
5,0.27,0.135,0.597,0.272,0.131,0.1675,7\nM,0.39,0.28,0.125,0.564,0.3035,0.095
5,0.143,7\nI,0.435,0.3,0.12,0.5965,0.259,0.139,0.1645,8\nM,0.445,0.32,0.12,0.4
14,0.199,0.09,0.117,7\nI,0.455,0.335,0.105,0.422,0.229,0.0865,0.1,6\nI,0.455,
0.325,0.135,0.82,0.4005,0.1715,0.211,8\nI,0.455,0.345,0.11,0.434,0.207,0.0855,
0.1215,8\nI,0.465,0.325,0.14,0.7615,0.362,0.1535,0.209,10\nM,0.465,0.36,0.115,
0.5795,0.295,0.1395,0.12,7\nI,0.485,0.365,0.105,0.5205,0.195,0.123,0.182,8\nM,
0.485,0.37,0.155,0.968,0.419,0.2455,0.2365,9\nI,0.485,0.345,0.16,0.869,0.3085,
0.185,0.319,9\nF,0.49,0.355,0.16,0.8795,0.3485,0.215,0.2825,8\nM,0.5,0.37,0.1
5,1.0615,0.494,0.223,0.296,9\nM,0.515,0.35,0.155,0.9225,0.4185,0.198,0.273,9\n
M,0.515,0.395,0.135,1.007,0.472,0.2495,0.252,8\nM,0.525,0.365,0.17,0.9605,0.43
8,0.2225,0.276,10\nM,0.525,0.38,0.125,0.65,0.303,0.155,0.159,7\nM,0.53,0.41,0.
14,0.7545,0.3495,0.1715,0.2105,8\nF,0.535,0.425,0.135,0.771,0.3765,0.1815,0.17
95,8\nI,0.535,0.385,0.18,1.0835,0.4955,0.2295,0.304,8\nI,0.545,0.42,0.165,0.89
35,0.4235,0.2195,0.228,8\nF,0.545,0.415,0.2,1.358,0.567,0.318,0.403,10\nF,0.54
5,0.385,0.15,1.1185,0.5425,0.2445,0.2845,9\nF,0.55,0.38,0.165,1.205,0.543,0.29
4,0.3345,10\nM,0.55,0.42,0.16,1.3405,0.6325,0.311,0.344,10\nM,0.57,0.455,0.17
5,1.02,0.4805,0.2145,0.29,9\nM,0.575,0.44,0.185,1.025,0.5075,0.2245,0.2485,10
\nI,0.575,0.45,0.13,0.8145,0.403,0.1715,0.213,10\nF,0.58,0.43,0.17,1.48,0.653
5,0.324,0.4155,10\nM,0.585,0.455,0.145,0.953,0.3945,0.2685,0.258,10\nI,0.585,
0.45,0.15,0.8915,0.3975,0.2035,0.253,8\nM,0.6,0.495,0.175,1.3005,0.6195,0.284,
0.3285,11\nM,0.6,0.465,0.165,1.038,0.4975,0.2205,0.251,9\nM,0.605,0.475,0.175,
1.2525,0.5575,0.3055,0.343,9\nM,0.605,0.475,0.15,1.15,0.575,0.232,0.297,10\nF,
0.61,0.475,0.15,1.1135,0.5195,0.2575,0.3005,11\nF,0.615,0.455,0.145,1.1155,0.5
045,0.238,0.315,10\nM,0.62,0.47,0.145,1.0865,0.511,0.2715,0.2565,10\nM,0.625,
0.495,0.175,1.254,0.5815,0.286,0.3185,9\nM,0.625,0.49,0.185,1.169,0.5275,0.253
5,0.344,11\nM,0.635,0.495,0.195,1.172,0.445,0.3115,0.3475,11\nF,0.635,0.475,0.
15,1.1845,0.533,0.307,0.291,10\nF,0.64,0.475,0.14,1.0725,0.4895,0.2295,0.31,8
\nM,0.645,0.5,0.16,1.3815,0.672,0.326,0.315,9\nM,0.65,0.525,0.19,1.6125,0.777,
0.3685,0.3965,11\nM,0.65,0.485,0.16,1.7395,0.5715,0.2785,0.3075,10\nF,0.655,0.
52,0.2,1.5475,0.713,0.314,0.466,9\nM,0.655,0.545,0.19,1.4245,0.6325,0.333,0.37
8,10\nF,0.665,0.515,0.185,1.3405,0.5595,0.293,0.4375,11\nF,0.675,0.53,0.175,1.
4465,0.6775,0.33,0.389,10\nF,0.685,0.535,0.175,1.5845,0.7175,0.3775,0.4215,9\n
F,0.695,0.55,0.185,1.679,0.805,0.4015,0.3965,10\nM,0.695,0.53,0.19,1.726,0.762
5,0.436,0.455,11\nF,0.705,0.545,0.18,1.5395,0.6075,0.3675,0.4645,13\nF,0.72,0.
55,0.195,2.073,1.0715,0.4265,0.5015,9\nM,0.72,0.56,0.18,1.5865,0.691,0.375,0.4
425,11\nM,0.73,0.575,0.21,2.069,0.9285,0.409,0.643,11\nI,0.185,0.135,0.04,0.02
7,0.0105,0.0055,0.009,5\nI,0.24,0.18,0.055,0.0555,0.0235,0.013,0.018,4\nI,0.3
1,0.215,0.075,0.1275,0.0565,0.0275,0.036,7\nI,0.34,0.26,0.085,0.1885,0.0815,0.
0335,0.06,6\nI,0.35,0.265,0.08,0.2,0.09,0.042,0.06,7\nI,0.365,0.27,0.085,0.19
7,0.0815,0.0325,0.065,6\nI,0.365,0.275,0.085,0.223,0.098,0.0375,0.075,7\nI,0.3
65,0.27,0.075,0.2215,0.095,0.0445,0.07,6\nI,0.39,0.31,0.105,0.2665,0.1185,0.05
25,0.081,8\nI,0.405,0.3,0.09,0.269,0.103,0.067,0.11,6\nI,0.41,0.315,0.095,0.28
05,0.114,0.0345,0.11,7\nI,0.41,0.335,0.105,0.3305,0.1405,0.064,0.105,7\nI,0.41
5,0.31,0.09,0.2815,0.1245,0.0615,0.085,6\nI,0.415,0.31,0.1,0.2805,0.114,0.056
5,0.0975,6\nI,0.415,0.31,0.095,0.311,0.1125,0.0625,0.115,8\nI,0.42,0.325,0.1,
0.368,0.1675,0.0625,0.1135,11\nI,0.43,0.34,0.1,0.3405,0.1395,0.0665,0.12,8\nI,
0.435,0.335,0.1,0.3245,0.135,0.0785,0.098,7\nI,0.435,0.33,0.11,0.38,0.1515,0.0
945,0.11,7\nI,0.435,0.33,0.105,0.335,0.156,0.0555,0.105,8\nI,0.435,0.345,0.12,
0.3215,0.13,0.056,0.1185,7\nI,0.445,0.33,0.11,0.358,0.1525,0.067,0.1185,8\nI,
0.465,0.37,0.11,0.445,0.1635,0.096,0.166,7\nI,0.47,0.375,0.12,0.487,0.196,0.09
9,0.135,8\nI,0.475,0.34,0.105,0.4535,0.203,0.08,0.1465,9\nI,0.485,0.385,0.13,
0.568,0.2505,0.178,0.154,7\nI,0.485,0.36,0.12,0.5155,0.2465,0.1025,0.147,8\nI,
0.485,0.37,0.115,0.457,0.1885,0.0965,0.15,9\nI,0.495,0.38,0.135,0.5095,0.2065,
0.1165,0.165,8\nI,0.495,0.38,0.145,0.5,0.205,0.148,0.1505,8\nI,0.495,0.375,0.1
4,0.494,0.181,0.0975,0.191,8\nI,0.5,0.38,0.11,0.5605,0.28,0.106,0.15,9\nI,0.50
5,0.405,0.13,0.599,0.2245,0.1175,0.225,11\nI,0.505,0.4,0.145,0.7045,0.334,0.14
25,0.207,8\nF,0.51,0.4,0.12,0.7005,0.347,0.1105,0.195,10\nI,0.515,0.415,0.135,
0.7125,0.285,0.152,0.245,10\nI,0.515,0.42,0.15,0.6725,0.2555,0.1335,0.235,10\n
M,0.515,0.385,0.11,0.5785,0.253,0.16,0.14,8\nI,0.52,0.41,0.11,0.5185,0.2165,0.
0915,0.184,8\nI,0.52,0.415,0.14,0.6375,0.308,0.1335,0.168,9\nI,0.52,0.395,0.12
5,0.5805,0.2445,0.146,0.165,9\nI,0.52,0.38,0.115,0.6645,0.3285,0.17,0.1425,7\n

I,0.52,0.385,0.115,0.581,0.2555,0.156,0.143,10\nI,0.525,0.415,0.12,0.596,0.280
5,0.12,0.1695,9\nI,0.525,0.405,0.145,0.6965,0.3045,0.1535,0.21,8\nI,0.525,0.4,
0.145,0.6095,0.248,0.159,0.175,9\nI,0.53,0.43,0.14,0.677,0.298,0.0965,0.23,8\n
I,0.53,0.43,0.16,0.7245,0.321,0.1275,0.24,9\nI,0.53,0.395,0.13,0.575,0.247,0.1
15,0.183,9\nI,0.53,0.405,0.12,0.632,0.2715,0.148,0.1875,9\nI,0.535,0.455,0.14,
1.0015,0.53,0.1765,0.244,9\nF,0.54,0.425,0.16,0.9455,0.3675,0.2005,0.295,9\nI,
0.54,0.395,0.135,0.6555,0.2705,0.155,0.192,9\nI,0.54,0.39,0.125,0.6255,0.2525,
0.158,0.19,8\nI,0.545,0.425,0.14,0.8145,0.305,0.231,0.244,10\nI,0.545,0.43,0.1
4,0.687,0.2615,0.1405,0.25,9\nI,0.55,0.435,0.14,0.7995,0.295,0.1905,0.238,10\n
I,0.55,0.45,0.13,0.804,0.3375,0.1405,0.23,6\nM,0.555,0.435,0.14,0.7495,0.341,
0.1645,0.214,8\nM,0.555,0.41,0.125,0.599,0.2345,0.1465,0.194,8\nM,0.555,0.4,0.
13,0.7075,0.332,0.1585,0.18,7\nI,0.555,0.45,0.175,0.738,0.304,0.1755,0.22,9\n
M,0.555,0.455,0.135,0.837,0.382,0.171,0.235,9\nI,0.56,0.445,0.165,0.832,0.345
5,0.179,0.279,9\nF,0.565,0.445,0.125,0.8305,0.3135,0.1785,0.23,11\nM,0.565,0.4
15,0.125,0.667,0.302,0.1545,0.185,7\nM,0.565,0.455,0.155,0.9355,0.421,0.183,0.
26,11\nI,0.565,0.435,0.145,0.8445,0.3975,0.158,0.255,9\nM,0.565,0.45,0.16,0.89
5,0.415,0.195,0.246,9\nI,0.565,0.46,0.155,0.8715,0.3755,0.215,0.25,10\nM,0.57,
0.46,0.155,1.0005,0.454,0.205,0.265,11\nM,0.57,0.455,0.155,0.832,0.3585,0.174,
0.277,11\nM,0.57,0.44,0.175,0.9415,0.3805,0.2285,0.283,9\nM,0.57,0.415,0.13,0.
88,0.4275,0.1955,0.238,13\nF,0.57,0.44,0.12,0.803,0.382,0.1525,0.234,9\nM,0.57
5,0.45,0.13,0.785,0.318,0.193,0.2265,9\nM,0.575,0.45,0.155,0.9765,0.495,0.214
5,0.235,9\nM,0.575,0.435,0.135,0.992,0.432,0.2225,0.239,10\nM,0.575,0.455,0.15
5,1.013,0.4685,0.2085,0.295,11\nM,0.575,0.445,0.145,0.876,0.3795,0.1615,0.27,1
0\nF,0.575,0.465,0.175,1.099,0.4735,0.202,0.35,9\nI,0.575,0.45,0.135,0.8715,0.
45,0.162,0.225,10\nI,0.575,0.45,0.135,0.8245,0.3375,0.2115,0.239,11\nF,0.575,
0.43,0.155,0.7955,0.3485,0.1925,0.22,9\nM,0.575,0.475,0.145,0.857,0.3665,0.17
3,0.269,9\nF,0.58,0.45,0.195,0.8265,0.4035,0.173,0.225,9\nF,0.58,0.5,0.165,0.9
25,0.37,0.185,0.3005,10\nM,0.58,0.44,0.15,1.0465,0.518,0.2185,0.2795,10\nI,0.5
8,0.44,0.145,0.7905,0.3525,0.1645,0.242,10\nM,0.58,0.44,0.16,0.8295,0.3365,0.2
005,0.2485,9\nM,0.595,0.455,0.15,0.886,0.4315,0.201,0.223,10\nF,0.6,0.47,0.13
5,0.97,0.4655,0.1955,0.264,11\nM,0.6,0.46,0.17,1.1805,0.456,0.337,0.329,11\nM,
0.6,0.475,0.15,0.99,0.386,0.2195,0.3105,10\nF,0.6,0.465,0.16,1.133,0.466,0.288
5,0.298,11\nI,0.605,0.49,0.165,1.071,0.482,0.1935,0.352,10\nF,0.605,0.455,0.14
5,0.862,0.334,0.1985,0.3,9\nM,0.605,0.47,0.18,1.1155,0.479,0.2565,0.321,10\nM,
0.61,0.48,0.14,1.031,0.4375,0.2615,0.27,8\nF,0.61,0.46,0.145,1.1185,0.478,0.29
45,0.2985,10\nF,0.61,0.46,0.155,0.957,0.4255,0.1975,0.265,8\nF,0.61,0.47,0.16
5,1.1785,0.566,0.2785,0.294,11\nM,0.615,0.47,0.145,1.0285,0.4435,0.2825,0.285,
11\nM,0.615,0.47,0.15,1.0875,0.4975,0.283,0.2685,9\nF,0.615,0.495,0.16,1.255,
0.5815,0.3195,0.3225,12\nM,0.615,0.495,0.2,1.219,0.564,0.227,0.3885,10\nM,0.6
2,0.49,0.16,1.035,0.44,0.2525,0.285,11\nM,0.62,0.49,0.15,1.195,0.4605,0.302,0.
355,9\nF,0.62,0.495,0.17,1.062,0.372,0.213,0.34,11\nM,0.62,0.495,0.195,1.5145,
0.579,0.346,0.5195,15\nM,0.62,0.47,0.15,1.309,0.587,0.4405,0.325,9\nM,0.62,0.4
85,0.155,1.0295,0.425,0.2315,0.335,12\nM,0.625,0.495,0.155,1.0485,0.487,0.212,
0.3215,11\nM,0.625,0.515,0.17,1.331,0.5725,0.3005,0.361,9\nM,0.625,0.505,0.18
5,1.1565,0.52,0.2405,0.3535,10\nF,0.625,0.445,0.16,1.09,0.46,0.2965,0.304,11\n
F,0.625,0.52,0.18,1.354,0.4845,0.351,0.375,11\nF,0.625,0.47,0.145,0.984,0.475,
0.2,0.265,11\nM,0.63,0.49,0.155,1.2525,0.63,0.246,0.289,9\nF,0.635,0.485,0.16
5,1.2695,0.5635,0.3065,0.3395,11\nF,0.635,0.52,0.165,1.3405,0.5065,0.296,0.41
2,11\nF,0.635,0.505,0.155,1.2895,0.594,0.314,0.345,11\nM,0.635,0.525,0.16,1.19
5,0.5435,0.246,0.335,12\nM,0.635,0.5,0.165,1.273,0.6535,0.213,0.365,12\nM,0.63
5,0.515,0.165,1.229,0.5055,0.2975,0.3535,10\nM,0.64,0.53,0.165,1.1895,0.4765,
0.3,0.35,11\nF,0.64,0.48,0.145,1.1145,0.508,0.24,0.34,10\nF,0.64,0.515,0.165,
1.3115,0.4945,0.2555,0.41,10\nI,0.64,0.49,0.135,1.1,0.488,0.2505,0.2925,10\nM,
0.64,0.49,0.155,1.1285,0.477,0.269,0.34,9\nF,0.64,0.485,0.185,1.4195,0.6735,0.
3465,0.3255,11\nF,0.645,0.51,0.18,1.6195,0.7815,0.322,0.4675,12\nM,0.645,0.49,
0.175,1.32,0.6525,0.2375,0.3385,11\nF,0.645,0.52,0.21,1.5535,0.616,0.3655,0.47
4,16\nI,0.65,0.52,0.15,1.238,0.5495,0.296,0.3305,10\nF,0.65,0.51,0.155,1.189,
0.483,0.278,0.3645,13\nF,0.65,0.51,0.185,1.375,0.531,0.384,0.3985,10\nF,0.655,
0.515,0.18,1.412,0.6195,0.2485,0.497,11\nF,0.655,0.525,0.175,1.348,0.5855,0.26
05,0.394,10\nM,0.655,0.52,0.17,1.1445,0.53,0.223,0.348,9\nF,0.66,0.535,0.205,
1.4415,0.5925,0.2775,0.49,10\nM,0.66,0.51,0.175,1.218,0.5055,0.303,0.37,11\nF,
0.665,0.5,0.15,1.2475,0.4625,0.2955,0.3595,10\nM,0.665,0.515,0.2,1.2695,0.511
5,0.2675,0.436,12\nM,0.665,0.525,0.18,1.429,0.6715,0.29,0.4,12\nF,0.67,0.53,0.
205,1.4015,0.643,0.2465,0.416,12\nM,0.675,0.515,0.15,1.312,0.556,0.2845,0.411
5,11\nF,0.675,0.51,0.185,1.473,0.6295,0.3025,0.4245,11\nM,0.68,0.54,0.19,1.62
3,0.7165,0.354,0.4715,12\nM,0.68,0.54,0.155,1.534,0.671,0.379,0.384,10\nM,0.68
5,0.535,0.155,1.3845,0.6615,0.2145,0.4075,10\nM,0.69,0.55,0.18,1.6915,0.6655,
0.402,0.5,11\nM,0.695,0.545,0.185,1.5715,0.6645,0.3835,0.4505,13\nF,0.7,0.575,
0.205,1.773,0.605,0.447,0.538,13\nM,0.7,0.55,0.175,1.4405,0.6565,0.2985,0.375,

12\nM,0.7,0.55,0.195,1.6245,0.675,0.347,0.535,13\nF,0.705,0.535,0.22,1.866,0.9
29,0.3835,0.4395,10\nF,0.72,0.575,0.18,1.6705,0.732,0.3605,0.501,12\nM,0.72,0.
565,0.19,2.081,1.0815,0.4305,0.503,11\nF,0.725,0.57,0.205,1.6195,0.744,0.315,
0.488,11\nF,0.75,0.55,0.195,1.8325,0.83,0.366,0.44,11\nM,0.76,0.605,0.215,2.17
3,0.801,0.4915,0.646,13\nI,0.135,0.13,0.04,0.029,0.0125,0.0065,0.008,4\nI,0.1
6,0.11,0.025,0.0195,0.0075,0.005,0.006,4\nI,0.21,0.15,0.055,0.0465,0.017,0.01
2,0.015,5\nI,0.28,0.21,0.075,0.1195,0.053,0.0265,0.03,6\nI,0.28,0.2,0.065,0.08
95,0.036,0.0185,0.03,7\nI,0.285,0.215,0.06,0.0935,0.031,0.023,0.03,6\nI,0.29,
0.21,0.07,0.1115,0.048,0.0205,0.03,5\nI,0.29,0.21,0.06,0.1195,0.056,0.0235,0.0
3,6\nI,0.29,0.21,0.065,0.097,0.0375,0.022,0.03,6\nI,0.32,0.24,0.07,0.133,0.058
5,0.0255,0.041,6\nI,0.325,0.25,0.07,0.1745,0.0875,0.0355,0.04,7\nI,0.335,0.25,
0.08,0.1695,0.0695,0.044,0.0495,6\nI,0.35,0.235,0.08,0.17,0.0725,0.0465,0.049
5,7\nI,0.35,0.25,0.07,0.1605,0.0715,0.0335,0.046,6\nI,0.355,0.27,0.105,0.271,
0.1425,0.0525,0.0735,9\nI,0.36,0.27,0.085,0.2185,0.1065,0.038,0.062,6\nI,0.36,
0.27,0.085,0.196,0.0905,0.034,0.053,7\nI,0.375,0.28,0.08,0.226,0.105,0.047,0.0
65,6\nI,0.375,0.275,0.085,0.22,0.109,0.05,0.0605,7\nI,0.395,0.29,0.095,0.3,0.1
58,0.068,0.078,7\nI,0.405,0.25,0.09,0.2875,0.128,0.063,0.0805,7\nI,0.415,0.32
5,0.11,0.316,0.1385,0.0795,0.0925,8\nI,0.425,0.315,0.095,0.3675,0.1865,0.0675,
0.0985,7\nI,0.43,0.32,0.11,0.3675,0.1675,0.102,0.105,8\nI,0.435,0.325,0.12,0.3
46,0.159,0.084,0.095,7\nM,0.45,0.33,0.105,0.4955,0.2575,0.082,0.129,8\nI,0.46,
0.35,0.11,0.4675,0.2125,0.099,0.1375,7\nM,0.47,0.365,0.135,0.522,0.2395,0.152
5,0.145,10\nI,0.47,0.375,0.105,0.441,0.167,0.0865,0.145,10\nI,0.475,0.365,0.1
2,0.5185,0.268,0.1095,0.1365,8\nM,0.505,0.39,0.12,0.653,0.3315,0.1385,0.167,9
\nM,0.505,0.395,0.135,0.5915,0.288,0.1315,0.185,12\nM,0.505,0.385,0.115,0.482
5,0.21,0.1035,0.1535,10\nI,0.51,0.455,0.135,0.6855,0.2875,0.154,0.2035,9\nM,0.
515,0.4,0.14,0.6335,0.288,0.145,0.168,9\nM,0.525,0.41,0.13,0.6875,0.3435,0.149
5,0.1765,9\nF,0.53,0.43,0.15,0.741,0.325,0.1855,0.196,9\nF,0.53,0.405,0.13,0.6
355,0.2635,0.1565,0.185,9\nM,0.545,0.44,0.14,0.8395,0.356,0.1905,0.2385,11\nF,
0.55,0.47,0.15,0.9205,0.381,0.2435,0.2675,10\nF,0.56,0.41,0.16,0.8215,0.342,0.
184,0.253,9\nM,0.565,0.445,0.145,0.9255,0.4345,0.212,0.2475,9\nF,0.57,0.435,0.
15,0.8295,0.3875,0.156,0.245,10\nM,0.58,0.46,0.16,1.063,0.513,0.2705,0.2625,9
\nM,0.59,0.465,0.165,1.115,0.5165,0.273,0.275,10\nF,0.6,0.45,0.14,0.837,0.37,
0.177,0.2425,10\nM,0.605,0.445,0.14,0.982,0.4295,0.2085,0.295,12\nM,0.61,0.49,
0.16,1.112,0.465,0.228,0.341,10\nF,0.625,0.515,0.18,1.3485,0.5255,0.252,0.392
5,14\nM,0.66,0.515,0.195,1.5655,0.7345,0.353,0.386,9\nI,0.255,0.19,0.06,0.086,
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5,0.295,0.1,0.293,0.14,0.062,0.082,7\nF,0.4,0.305,0.16,0.368,0.173,0.0705,0.10
5,7\nI,0.405,0.31,0.09,0.312,0.138,0.06,0.087,8\nI,0.415,0.305,0.12,0.336,0.16
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0.115,0.379,0.162,0.091,0.11,9\nI,0.445,0.32,0.12,0.378,0.152,0.0825,0.12,8\n
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39,8\nM,0.5,0.39,0.135,0.7815,0.361,0.1575,0.2385,9\nF,0.5,0.38,0.14,0.6355,0.
277,0.143,0.1785,8\nM,0.505,0.385,0.13,0.6435,0.3135,0.149,0.1515,7\nM,0.525,
0.385,0.1,0.5115,0.246,0.1005,0.1455,8\nM,0.535,0.42,0.125,0.738,0.355,0.1895,
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9,0.115,0.66,0.3045,0.1555,0.175,8\nM,0.53,0.425,0.13,0.7455,0.2995,0.1355,0.2

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I,0.475,0.36,0.11,0.4555,0.177,0.0965,0.145,9\nF,0.435,0.35,0.12,0.4585,0.192,
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\nM,0.475,0.395,0.135,0.592,0.2465,0.1645,0.2,13\nF,0.525,0.425,0.145,0.7995,
0.3345,0.209,0.24,15\nI,0.48,0.39,0.145,0.5825,0.2315,0.121,0.255,15\nI,0.42,
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0.275,18\nM,0.56,0.455,0.165,0.86,0.4015,0.1695,0.245,11\nM,0.655,0.485,0.195,
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6,0.12,0.4765,0.192,0.1125,0.16,10\nM,0.35,0.255,0.085,0.2145,0.1,0.0465,0.06,
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\nM,0.515,0.4,0.16,0.8175,0.2515,0.156,0.3,23\nI,0.335,0.24,0.095,0.17,0.062,
0.039,0.055,9\nF,0.515,0.4,0.17,0.796,0.258,0.1755,0.28,16\nF,0.345,0.255,0.1,
0.197,0.071,0.051,0.06,9\nM,0.465,0.355,0.125,0.5255,0.2025,0.135,0.145,13\nM,
0.54,0.415,0.17,0.879,0.339,0.208,0.255,10\nM,0.475,0.355,0.125,0.4625,0.186,
0.107,0.145,9\nF,0.445,0.335,0.14,0.4565,0.1785,0.114,0.14,11\nM,0.5,0.355,0.1
4,0.528,0.2125,0.149,0.14,9\nM,0.5,0.38,0.135,0.5835,0.2295,0.1265,0.18,12\nF,
0.55,0.435,0.17,0.884,0.2875,0.1645,0.28,14\nI,0.275,0.205,0.08,0.096,0.036,0.
0185,0.03,6\nF,0.35,0.265,0.09,0.1855,0.0745,0.0415,0.06,7\nF,0.37,0.285,0.10
5,0.27,0.1125,0.0585,0.0835,9\nF,0.42,0.33,0.125,0.463,0.186,0.11,0.145,10\nM,
0.35,0.26,0.09,0.198,0.0725,0.056,0.06,10\nM,0.395,0.305,0.105,0.282,0.0975,0.
065,0.096,9\nI,0.325,0.2,0.08,0.0995,0.0395,0.0225,0.032,8\nI,0.275,0.2,0.065,
0.092,0.0385,0.0235,0.027,5\nI,0.235,0.17,0.065,0.0625,0.023,0.014,0.022,6\nI,
0.25,0.18,0.06,0.073,0.028,0.017,0.0225,5\nI,0.25,0.185,0.065,0.071,0.027,0.01
85,0.0225,5\nI,0.2,0.145,0.05,0.036,0.0125,0.008,0.011,4\nF,0.585,0.47,0.17,1.
099,0.3975,0.2325,0.358,20\nM,0.445,0.35,0.14,0.5905,0.2025,0.158,0.19,14\nF,
0.5,0.385,0.13,0.768,0.2625,0.095,0.27,13\nM,0.44,0.325,0.08,0.413,0.144,0.101
5,0.13,8\nM,0.515,0.405,0.14,0.8505,0.312,0.146,0.315,17\nF,0.52,0.405,0.14,0.
6915,0.276,0.137,0.215,11\nM,0.5,0.39,0.13,0.709,0.275,0.168,0.18,11\nM,0.425,
0.325,0.12,0.3755,0.142,0.1065,0.105,9\nM,0.51,0.415,0.14,0.8185,0.3025,0.215
5,0.235,16\nF,0.37,0.275,0.08,0.227,0.093,0.0625,0.07,8\nM,0.54,0.415,0.13,0.8
245,0.272,0.226,0.24,13\nM,0.615,0.475,0.17,1.1825,0.474,0.2895,0.24,11\nM,0.5
65,0.44,0.175,1.122,0.393,0.2,0.375,20\nM,0.645,0.515,0.175,1.6115,0.6745,0.38
4,0.385,14\nF,0.615,0.47,0.175,1.2985,0.5135,0.343,0.32,14\nM,0.605,0.49,0.14
5,1.3,0.517,0.3285,0.31,14\nF,0.59,0.455,0.165,1.161,0.38,0.2455,0.28,12\nM,0.
645,0.485,0.155,1.489,0.5915,0.312,0.38,18\nM,0.57,0.42,0.155,1.008,0.377,0.19
3,0.34,13\nF,0.47,0.355,0.18,0.441,0.1525,0.1165,0.135,8\nF,0.5,0.44,0.155,0.7
42,0.2025,0.2005,0.2115,14\nF,0.52,0.425,0.145,0.7,0.207,0.1905,0.24,13\nM,0.3
9,0.285,0.095,0.271,0.11,0.06,0.08,8\nM,0.52,0.4,0.165,0.8565,0.2745,0.201,0.2
1,12\nF,0.54,0.415,0.175,0.8975,0.275,0.241,0.275,14\nM,0.46,0.36,0.135,0.610
5,0.1955,0.107,0.235,14\nI,0.355,0.26,0.09,0.1925,0.077,0.038,0.065,8\nF,0.49,
0.4,0.145,0.6635,0.21,0.1295,0.2515,13\nF,0.63,0.51,0.185,1.235,0.5115,0.349,
0.3065,11\nM,0.5,0.385,0.145,0.7615,0.246,0.195,0.204,14\nM,0.49,0.39,0.135,0.
592,0.242,0.096,0.1835,15\nM,0.44,0.325,0.115,0.39,0.163,0.087,0.113,7\nF,0.51
5,0.395,0.165,0.7565,0.1905,0.17,0.3205,10\nF,0.475,0.38,0.145,0.57,0.167,0.11
8,0.187,11\nI,0.42,0.31,0.1,0.2865,0.115,0.0735,0.085,8\nM,0.4,0.305,0.13,0.29
35,0.096,0.0675,0.105,9\nM,0.45,0.36,0.16,0.567,0.174,0.1245,0.225,12\nF,0.52,
0.4,0.13,0.6245,0.215,0.2065,0.17,15\nM,0.505,0.4,0.155,0.8415,0.2715,0.1775,
0.285,12\nM,0.495,0.4,0.14,0.7775,0.2015,0.18,0.25,15\nM,0.54,0.41,0.145,0.98
9,0.2815,0.213,0.355,19\nF,0.48,0.39,0.125,0.6905,0.219,0.155,0.2,12\nF,0.33,
0.26,0.08,0.2,0.0625,0.05,0.07,9\nI,0.285,0.21,0.07,0.109,0.044,0.0265,0.033,5
\nI,0.3,0.23,0.075,0.127,0.052,0.03,0.0345,6\nI,0.31,0.24,0.105,0.2885,0.118,
0.065,0.083,6\nI,0.34,0.255,0.075,0.18,0.0745,0.04,0.0525,6\nI,0.375,0.3,0.07
5,0.144,0.059,0.03,0.044,7\nI,0.415,0.325,0.1,0.4665,0.2285,0.1065,0.114,7\nI,
0.415,0.315,0.105,0.33,0.1405,0.0705,0.095,6\nI,0.415,0.315,0.09,0.3625,0.175,
0.0835,0.093,6\nI,0.42,0.32,0.1,0.34,0.1745,0.05,0.0945,8\nI,0.425,0.31,0.105,
0.365,0.159,0.0825,0.105,6\nM,0.465,0.375,0.11,0.5,0.21,0.113,0.1505,8\nF,0.46
5,0.35,0.135,0.6265,0.259,0.1445,0.175,8\nI,0.47,0.37,0.11,0.5555,0.25,0.115,
0.163,8\nF,0.47,0.375,0.12,0.6015,0.2765,0.1455,0.135,8\nI,0.475,0.365,0.12,0.
53,0.2505,0.0975,0.1625,10\nM,0.48,0.37,0.135,0.6315,0.3445,0.1015,0.161,7\nM,
0.5,0.4,0.13,0.7715,0.37,0.16,0.211,8\nI,0.505,0.39,0.185,0.6125,0.267,0.142,
0.172,7\nM,0.525,0.425,0.19,0.872,0.4625,0.1725,0.199,9\nM,0.54,0.42,0.12,0.81
15,0.392,0.1455,0.2235,9\nM,0.545,0.45,0.15,0.8795,0.387,0.15,0.2625,11\nF,0.5
65,0.44,0.15,0.983,0.4475,0.2355,0.2485,9\nM,0.58,0.46,0.18,1.145,0.48,0.277,
0.325,11\nM,0.59,0.455,0.16,1.09,0.5,0.2215,0.292,9\nM,0.59,0.48,0.16,1.262,0.
5685,0.2725,0.335,9\nM,0.595,0.49,0.185,1.185,0.482,0.2015,0.361,10\nF,0.6,0.4
75,0.135,1.4405,0.5885,0.191,0.3175,9\nF,0.6,0.5,0.155,1.332,0.6235,0.2835,0.3
5,8\nF,0.6,0.485,0.165,1.1405,0.587,0.2175,0.288,9\nM,0.605,0.475,0.175,1.201,
0.5395,0.275,0.309,10\nF,0.625,0.49,0.155,1.33,0.6675,0.259,0.33,10\nM,0.63,0.
5,0.185,1.362,0.5785,0.3125,0.384,10\nM,0.64,0.585,0.195,1.647,0.7225,0.331,0.
471,12\nF,0.64,0.5,0.18,1.4995,0.593,0.314,0.431,11\nF,0.655,0.545,0.165,1.622
5,0.6555,0.299,0.513,12\nI,0.66,0.525,0.215,1.786,0.6725,0.3615,0.4065,11\nM,
0.66,0.535,0.2,1.791,0.733,0.318,0.54,15\nF,0.675,0.555,0.205,1.925,0.713,0.35
8,0.4535,13\nF,0.675,0.55,0.175,1.689,0.694,0.371,0.474,13\nF,0.69,0.55,0.18,
1.659,0.8715,0.2655,0.4395,9\nF,0.695,0.53,0.2,2.0475,0.75,0.4195,0.6095,14\n
F,0.7,0.525,0.19,1.6015,0.707,0.365,0.43,10\nF,0.73,0.57,0.165,2.0165,1.0685,
0.418,0.435,10\nI,0.205,0.15,0.065,0.04,0.02,0.011,0.013,4\nI,0.225,0.17,0.07,
0.0565,0.024,0.013,0.016,4\nI,0.23,0.18,0.05,0.064,0.0215,0.0135,0.02,5\nI,0.2
75,0.195,0.07,0.0875,0.0345,0.022,0.0255,4\nI,0.28,0.21,0.055,0.106,0.0415,0.0
265,0.031,5\nI,0.28,0.22,0.08,0.1315,0.066,0.024,0.03,5\nI,0.295,0.22,0.07,0.1

26,0.0515,0.0275,0.035,6\nI,0.31,0.225,0.075,0.155,0.065,0.037,0.0365,6\nI,0.3
15,0.235,0.07,0.149,0.058,0.0325,0.047,7\nI,0.34,0.265,0.07,0.185,0.0625,0.039
5,0.07,7\nI,0.37,0.29,0.08,0.2545,0.108,0.0565,0.07,6\nI,0.38,0.285,0.085,0.23
7,0.115,0.0405,0.07,6\nI,0.39,0.295,0.1,0.279,0.1155,0.059,0.08,7\nI,0.405,0.3
1,0.065,0.3205,0.1575,0.066,0.088,6\nI,0.415,0.325,0.1,0.3335,0.1445,0.0715,0.
095,7\nI,0.44,0.335,0.11,0.3885,0.175,0.0835,0.111,7\nI,0.44,0.345,0.115,0.54
5,0.269,0.111,0.1305,6\nI,0.44,0.325,0.1,0.4165,0.185,0.0865,0.11,6\nI,0.44,0.
355,0.12,0.495,0.231,0.11,0.125,7\nI,0.45,0.35,0.125,0.4775,0.2235,0.089,0.11
8,6\nI,0.45,0.35,0.12,0.468,0.2005,0.1065,0.1325,8\nF,0.455,0.35,0.12,0.4555,
0.1945,0.1045,0.1375,7\nF,0.46,0.35,0.115,0.46,0.2025,0.1115,0.1165,6\nI,0.46,
0.345,0.12,0.4155,0.198,0.0885,0.107,7\nI,0.46,0.345,0.115,0.4215,0.1895,0.10
2,0.111,6\nI,0.465,0.355,0.11,0.474,0.23,0.1005,0.12,7\nM,0.465,0.34,0.105,0.4
86,0.231,0.1035,0.1225,9\nI,0.475,0.385,0.11,0.5735,0.311,0.1025,0.136,7\nI,0.
475,0.355,0.105,0.468,0.201,0.1115,0.12,8\nM,0.48,0.37,0.1,0.5135,0.243,0.101
5,0.135,8\nM,0.5,0.375,0.145,0.6215,0.274,0.166,0.1485,7\nI,0.5,0.38,0.11,0.49
4,0.218,0.09,0.1325,7\nI,0.505,0.385,0.12,0.6005,0.239,0.142,0.185,7\nM,0.515,
0.395,0.12,0.646,0.285,0.1365,0.172,9\nM,0.525,0.415,0.135,0.7945,0.394,0.189,
0.202,7\nM,0.525,0.425,0.125,0.812,0.4035,0.1705,0.195,8\nF,0.53,0.42,0.17,0.8
28,0.41,0.208,0.1505,6\nM,0.53,0.41,0.14,0.681,0.3095,0.1415,0.1835,6\nF,0.53,
0.405,0.15,0.889,0.4055,0.2275,0.215,8\nM,0.54,0.435,0.14,0.7345,0.33,0.1595,
0.213,9\nF,0.55,0.425,0.125,0.964,0.5475,0.159,0.215,8\nF,0.555,0.425,0.14,0.9
63,0.44,0.224,0.24,7\nF,0.57,0.445,0.15,0.995,0.504,0.185,0.2505,9\nF,0.57,0.4
35,0.14,0.8585,0.3905,0.196,0.2295,8\nM,0.575,0.45,0.155,0.948,0.429,0.206,0.2
59,7\nF,0.58,0.445,0.145,0.888,0.41,0.1815,0.2425,8\nF,0.585,0.45,0.16,0.9045,
0.405,0.2215,0.2335,8\nM,0.59,0.465,0.14,1.046,0.4695,0.263,0.263,7\nF,0.595,
0.47,0.155,1.1775,0.542,0.269,0.31,9\nF,0.595,0.465,0.15,1.0765,0.491,0.22,0.2
87,9\nF,0.595,0.465,0.15,1.0255,0.412,0.2745,0.289,11\nF,0.6,0.46,0.145,0.932
5,0.3985,0.2245,0.248,8\nF,0.6,0.46,0.15,1.235,0.6025,0.274,0.29,8\nM,0.6,0.4
6,0.15,1.247,0.5335,0.2735,0.29,9\nM,0.61,0.48,0.15,1.1495,0.564,0.274,0.264,8
\nF,0.615,0.485,0.16,1.1575,0.5005,0.2495,0.315,10\nF,0.615,0.5,0.165,1.327,0.
6,0.3015,0.355,10\nM,0.615,0.47,0.155,1.2,0.5085,0.32,0.292,8\nF,0.62,0.51,0.1
75,1.2705,0.5415,0.323,0.3225,9\nF,0.62,0.485,0.175,1.2155,0.545,0.253,0.345,1
0\nF,0.62,0.475,0.16,1.3245,0.6865,0.233,0.3275,9\nM,0.625,0.48,0.17,1.3555,0.
671,0.268,0.3385,10\nF,0.625,0.49,0.165,1.127,0.477,0.2365,0.3185,9\nF,0.625,
0.49,0.175,1.1075,0.4485,0.2165,0.3595,8\nF,0.63,0.495,0.2,1.4255,0.659,0.336,
0.38,11\nF,0.63,0.495,0.145,1.147,0.5455,0.266,0.2885,9\nM,0.63,0.48,0.165,1.2
86,0.604,0.271,0.35,8\nF,0.635,0.495,0.18,1.596,0.617,0.317,0.37,11\nF,0.635,
0.495,0.195,1.297,0.556,0.2985,0.37,11\nM,0.645,0.49,0.16,1.251,0.5355,0.3345,
0.3165,9\nM,0.645,0.5,0.175,1.5105,0.6735,0.3755,0.3775,12\nF,0.65,0.5,0.185,
1.4415,0.741,0.2955,0.341,9\nM,0.67,0.52,0.19,1.6385,0.8115,0.369,0.391,9\nF,
0.69,0.545,0.205,1.933,0.7855,0.429,0.498,13\nM,0.69,0.54,0.185,1.71,0.7725,0.
3855,0.4325,8\nF,0.695,0.55,0.155,1.8495,0.767,0.442,0.4175,10\nM,0.695,0.525,
0.175,1.742,0.696,0.389,0.505,12\nF,0.7,0.575,0.205,1.7975,0.7295,0.3935,0.516
5,13\nF,0.705,0.56,0.205,2.381,0.9915,0.5005,0.624,10\nM,0.765,0.585,0.18,2.39
8,1.128,0.512,0.5335,12\nM,0.77,0.6,0.215,2.1945,1.0515,0.482,0.584,10\nI,0.2
2,0.16,0.05,0.049,0.0215,0.01,0.015,4\nI,0.275,0.205,0.07,0.1055,0.495,0.019,
0.0315,5\nI,0.29,0.21,0.06,0.1045,0.0415,0.022,0.035,5\nI,0.33,0.24,0.075,0.16
3,0.0745,0.033,0.048,6\nI,0.355,0.285,0.095,0.2275,0.0955,0.0475,0.0715,6\nI,
0.375,0.29,0.1,0.219,0.0925,0.038,0.075,6\nI,0.415,0.315,0.1,0.3645,0.1765,0.0
795,0.095,8\nI,0.425,0.33,0.115,0.3265,0.1315,0.077,0.103,6\nI,0.425,0.34,0.1,
0.3515,0.1625,0.082,0.094,7\nI,0.43,0.32,0.1,0.3465,0.1635,0.08,0.09,7\nI,0.4
4,0.34,0.1,0.407,0.209,0.0735,0.103,7\nI,0.44,0.335,0.115,0.4215,0.173,0.0765,
0.113,7\nI,0.46,0.345,0.11,0.3755,0.1525,0.058,0.125,7\nI,0.46,0.37,0.12,0.533
5,0.2645,0.108,0.1345,6\nI,0.465,0.355,0.105,0.442,0.2085,0.0975,0.1185,7\nI,
0.475,0.365,0.1,0.1315,0.2025,0.0875,0.123,7\nI,0.475,0.375,0.115,0.5205,0.23
3,0.119,0.1455,7\nI,0.485,0.375,0.13,0.5535,0.266,0.112,0.157,8\nI,0.49,0.375,
0.125,0.5445,0.279,0.115,0.13,8\nM,0.49,0.38,0.11,0.554,0.2935,0.1005,0.15,8\n
I,0.495,0.38,0.12,0.512,0.233,0.1205,0.136,7\nI,0.5,0.39,0.125,0.583,0.294,0.1
32,0.1605,8\nM,0.5,0.38,0.12,0.5765,0.273,0.135,0.145,9\nM,0.505,0.4,0.135,0.7
23,0.377,0.149,0.178,7\nI,0.51,0.395,0.155,0.5395,0.2465,0.1085,0.167,8\nI,0.5
1,0.385,0.15,0.625,0.3095,0.119,0.1725,8\nI,0.515,0.4,0.125,0.5925,0.265,0.117
5,0.168,9\nI,0.52,0.395,0.135,0.633,0.2985,0.1295,0.175,9\nF,0.545,0.43,0.14,
0.832,0.4355,0.17,0.201,9\nM,0.545,0.42,0.145,0.778,0.3745,0.1545,0.205,7\nM,
0.545,0.42,0.12,0.7865,0.403,0.185,0.17,7\nF,0.545,0.4,0.14,0.778,0.368,0.215,
0.18,9\nI,0.55,0.42,0.13,0.636,0.294,0.144,0.1755,8\nF,0.55,0.44,0.135,0.8435,
0.434,0.1995,0.185,8\nI,0.555,0.425,0.13,0.648,0.2835,0.133,0.2105,8\nM,0.565,
0.43,0.13,0.784,0.3495,0.1885,0.213,9\nF,0.57,0.45,0.18,0.908,0.4015,0.217,0.2
55,9\nM,0.57,0.45,0.135,1.02,0.546,0.204,0.25,9\nF,0.57,0.43,0.16,0.811,0.387
5,0.159,0.2285,9\nF,0.575,0.48,0.15,0.897,0.4235,0.1905,0.248,8\nM,0.58,0.455,

0.13,0.852,0.41,0.1725,0.225,8\nF,0.585,0.45,0.15,0.938,0.467,0.203,0.225,7\n
F,0.585,0.435,0.14,0.6955,0.3085,0.129,0.2245,8\nM,0.59,0.47,0.15,0.861,0.413,
0.164,0.249,8\nM,0.59,0.46,0.14,1.004,0.496,0.2165,0.26,9\nF,0.59,0.46,0.16,1.
0115,0.445,0.2615,0.2565,8\nF,0.595,0.465,0.15,1.1005,0.5415,0.166,0.265,8\nM,
0.595,0.47,0.165,1.108,0.4915,0.2325,0.3345,9\nM,0.595,0.46,0.14,0.852,0.4215,
0.2255,0.227,9\nM,0.6,0.49,0.21,1.9875,1.005,0.419,0.491,10\nF,0.605,0.48,0.1
5,1.079,0.4505,0.2835,0.293,10\nF,0.615,0.475,0.17,1.055,0.543,0.246,0.2345,9
\nM,0.615,0.45,0.15,1.198,0.707,0.2095,0.2505,7\nF,0.615,0.47,0.155,1.084,0.58
85,0.209,0.246,9\nM,0.615,0.475,0.175,1.103,0.4635,0.3095,0.2725,10\nM,0.62,0.
49,0.155,1.1,0.505,0.2475,0.31,9\nM,0.62,0.48,0.15,1.1015,0.4965,0.243,0.305,1
0\nM,0.625,0.495,0.185,1.3835,0.7105,0.3005,0.345,11\nF,0.625,0.49,0.155,1.11
5,0.484,0.277,0.3095,9\nM,0.625,0.48,0.145,1.085,0.4645,0.2445,0.327,10\nM,0.6
3,0.505,0.15,1.3165,0.6325,0.2465,0.37,11\nM,0.63,0.51,0.175,1.3415,0.6575,0.2
62,0.375,10\nM,0.63,0.465,0.15,1.027,0.537,0.188,0.176,8\nM,0.645,0.515,0.16,
1.1845,0.506,0.311,0.335,9\nM,0.645,0.48,0.15,1.192,0.6055,0.2595,0.285,9\nF,
0.645,0.52,0.18,1.285,0.5775,0.352,0.317,9\nM,0.65,0.515,0.125,1.1805,0.5235,
0.283,0.3275,9\nM,0.65,0.52,0.175,1.2655,0.615,0.2775,0.336,9\nF,0.65,0.535,0.
175,1.2895,0.6095,0.2765,0.344,10\nM,0.65,0.51,0.155,1.407,0.7215,0.298,0.335,
9\nF,0.65,0.49,0.155,1.122,0.545,0.228,0.3055,9\nM,0.66,0.515,0.165,1.4465,0.6
94,0.298,0.3755,10\nF,0.665,0.505,0.165,1.349,0.5985,0.3175,0.36,9\nM,0.67,0.
5,0.2,1.269,0.576,0.2985,0.351,11\nM,0.67,0.51,0.18,1.68,0.926,0.2975,0.3935,1
3\nF,0.675,0.55,0.19,1.551,0.7105,0.3685,0.412,13\nM,0.68,0.52,0.165,1.4775,0.
724,0.279,0.406,11\nM,0.68,0.53,0.18,1.529,0.7635,0.3115,0.4025,11\nM,0.7,0.52
5,0.175,1.7585,0.8745,0.3615,0.47,10\nM,0.7,0.55,0.2,1.523,0.693,0.306,0.4405,
13\nF,0.725,0.53,0.19,1.7315,0.83,0.398,0.405,11\nM,0.725,0.55,0.2,1.51,0.873
5,0.4265,0.5085,9\nM,0.735,0.57,0.175,1.88,0.9095,0.387,0.488,11\nF,0.74,0.57
5,0.22,2.012,0.8915,0.5265,0.471,12\nM,0.75,0.555,0.215,2.201,1.0615,0.5235,0.
5285,11\nI,0.19,0.14,0.03,0.0315,0.0125,0.005,0.0105,3\nI,0.21,0.15,0.045,0.0
4,0.0135,0.008,0.0105,4\nI,0.25,0.175,0.06,0.0635,0.0275,0.008,0.02,4\nI,0.29,
0.215,0.065,0.0985,0.0425,0.021,0.031,5\nI,0.335,0.25,0.08,0.167,0.0675,0.032
5,0.0575,6\nI,0.34,0.245,0.085,0.2015,0.1005,0.038,0.053,6\nI,0.345,0.255,0.09
5,0.183,0.075,0.0385,0.06,6\nI,0.355,0.255,0.08,0.187,0.078,0.0505,0.058,7\nI,
0.36,0.26,0.08,0.1795,0.074,0.0315,0.06,5\nI,0.37,0.275,0.09,0.2065,0.096,0.03
95,0.058,7\nI,0.375,0.29,0.14,0.3,0.14,0.0625,0.0825,8\nI,0.375,0.275,0.095,0.
2295,0.095,0.0545,0.066,7\nI,0.385,0.3,0.125,0.343,0.1705,0.0735,0.081,7\nI,0.
385,0.285,0.085,0.244,0.1215,0.0445,0.068,8\nI,0.395,0.32,0.1,0.3075,0.149,0.0
535,0.09,8\nI,0.4,0.305,0.1,0.3415,0.176,0.0625,0.0865,7\nI,0.405,0.305,0.1,0.
271,0.0965,0.061,0.091,7\nI,0.405,0.31,0.11,0.91,0.416,0.2075,0.0995,8\nI,0.40
5,0.305,0.1,0.268,0.1145,0.053,0.085,7\nI,0.405,0.3,0.09,0.2885,0.138,0.0635,
0.0765,6\nI,0.41,0.315,0.1,0.3,0.124,0.0575,0.1,8\nI,0.41,0.325,0.11,0.326,0.1
325,0.075,0.101,8\nI,0.415,0.335,0.1,0.358,0.169,0.067,0.105,7\nI,0.42,0.325,
0.115,0.314,0.1295,0.0635,0.1,8\nI,0.42,0.315,0.11,0.4025,0.1855,0.083,0.1015,
8\nI,0.43,0.34,0.11,0.3645,0.159,0.0855,0.105,7\nI,0.445,0.36,0.11,0.4235,0.18
2,0.0765,0.14,9\nM,0.45,0.325,0.115,0.4305,0.2235,0.0785,0.1155,8\nI,0.45,0.33
5,0.095,0.3505,0.1615,0.0625,0.1185,7\nI,0.455,0.34,0.115,0.486,0.261,0.0655,
0.1315,8\nI,0.46,0.35,0.1,0.471,0.252,0.077,0.123,8\nI,0.46,0.345,0.105,0.415,
0.187,0.087,0.11,8\nI,0.475,0.355,0.115,0.5195,0.279,0.088,0.1325,7\nM,0.48,0.
375,0.12,0.5895,0.2535,0.128,0.172,11\nI,0.485,0.38,0.125,0.5215,0.2215,0.118,
0.16,8\nI,0.485,0.365,0.14,0.4475,0.1895,0.0925,0.2305,8\nI,0.49,0.365,0.125,
0.5585,0.252,0.126,0.1615,10\nI,0.505,0.385,0.125,0.596,0.245,0.097,0.21,9\nI,
0.505,0.38,0.135,0.5385,0.2645,0.095,0.165,9\nI,0.51,0.385,0.145,0.7665,0.398
5,0.14,0.1805,8\nF,0.515,0.395,0.135,0.516,0.2015,0.132,0.162,9\nM,0.515,0.41,
0.14,0.7355,0.3065,0.137,0.2,7\nI,0.515,0.39,0.11,0.531,0.2415,0.098,0.1615,8
\nI,0.525,0.385,0.13,0.607,0.2355,0.125,0.195,8\nF,0.525,0.415,0.15,0.7055,0.3
29,0.147,0.199,10\nI,0.525,0.4,0.13,0.6445,0.345,0.1285,0.2,8\nI,0.525,0.375,
0.12,0.6315,0.3045,0.114,0.19,9\nM,0.535,0.43,0.155,0.7845,0.3285,0.169,0.245,
10\nF,0.545,0.44,0.15,0.9475,0.366,0.239,0.275,8\nI,0.55,0.43,0.145,0.712,0.30
25,0.152,0.225,10\nI,0.55,0.425,0.145,0.89,0.4325,0.171,0.236,10\nI,0.55,0.42,
0.155,0.912,0.495,0.1805,0.205,9\nI,0.55,0.425,0.135,0.656,0.257,0.17,0.203,10
\nI,0.55,0.465,0.15,0.936,0.481,0.174,0.2435,9\nI,0.555,0.435,0.145,0.6975,0.2
62,0.1575,0.24,11\nF,0.555,0.445,0.175,1.1465,0.551,0.244,0.2785,8\nI,0.56,0.4
4,0.14,0.825,0.402,0.139,0.245,10\nI,0.56,0.435,0.135,0.72,0.329,0.103,0.251,1
1\nI,0.565,0.43,0.15,0.8215,0.332,0.1685,0.29,11\nF,0.57,0.445,0.155,1.017,0.5
265,0.2025,0.265,10\nF,0.575,0.435,0.155,0.8975,0.4115,0.2325,0.23,9\nM,0.58,
0.44,0.175,1.2255,0.5405,0.2705,0.3265,10\nF,0.58,0.465,0.145,0.9865,0.47,0.21
55,0.25,11\nF,0.58,0.425,0.15,0.844,0.3645,0.185,0.2705,9\nI,0.585,0.46,0.145,
0.8465,0.339,0.167,0.295,10\nM,0.585,0.465,0.165,0.885,0.4025,0.1625,0.274,10
\nI,0.585,0.42,0.145,0.6735,0.2895,0.1345,0.22,9\nF,0.585,0.455,0.13,0.8755,0.
411,0.2065,0.225,8\nM,0.59,0.47,0.145,0.9235,0.4545,0.173,0.254,9\nM,0.59,0.47

5,0.14,0.977,0.4625,0.2025,0.275,10\nM,0.595,0.475,0.14,1.0305,0.4925,0.217,0.
278,10\nM,0.6,0.48,0.09,1.05,0.457,0.2685,0.28,8\nM,0.6,0.495,0.185,1.1145,0.5
055,0.2635,0.367,11\nM,0.6,0.45,0.145,0.877,0.4325,0.155,0.24,9\nM,0.6,0.51,0.
185,1.285,0.6095,0.2745,0.315,9\nM,0.61,0.48,0.185,1.3065,0.6895,0.2915,0.29,1
0\nF,0.61,0.45,0.13,0.8725,0.389,0.1715,0.272,11\nF,0.615,0.46,0.15,1.0265,0.4
935,0.201,0.2745,10\nF,0.62,0.465,0.14,1.1605,0.6005,0.2195,0.307,9\nF,0.62,0.
48,0.165,1.0125,0.5325,0.4365,0.324,10\nM,0.625,0.5,0.14,1.096,0.5445,0.2165,
0.295,10\nM,0.625,0.49,0.165,1.205,0.5175,0.3105,0.3465,10\nM,0.63,0.505,0.17
5,1.221,0.555,0.252,0.34,12\nF,0.63,0.475,0.155,1.0005,0.452,0.252,0.265,10\n
M,0.63,0.47,0.15,1.1355,0.539,0.2325,0.3115,12\nM,0.63,0.525,0.195,1.3135,0.49
35,0.2565,0.465,10\nM,0.64,0.505,0.155,1.1955,0.5565,0.211,0.346,11\nM,0.64,0.
485,0.15,1.098,0.5195,0.222,0.3175,10\nM,0.64,0.495,0.17,1.139,0.5395,0.282,0.
285,10\nF,0.64,0.495,0.17,1.2265,0.49,0.377,0.2875,11\nM,0.64,0.515,0.08,1.04
2,0.515,0.1755,0.175,10\nM,0.65,0.52,0.155,1.368,0.6185,0.288,0.365,9\nM,0.65,
0.51,0.175,1.446,0.6485,0.2705,0.45,12\nF,0.66,0.505,0.19,1.4045,0.6255,0.337
5,0.3745,9\nF,0.66,0.525,0.2,1.463,0.6525,0.2995,0.422,11\nF,0.675,0.525,0.17,
1.711,0.8365,0.352,0.475,9\nM,0.7,0.54,0.205,1.74,0.7885,0.373,0.4865,13\nF,0.
705,0.54,0.205,1.757,0.8265,0.417,0.461,9\nM,0.71,0.565,0.2,1.601,0.706,0.321,
0.45,11\nM,0.72,0.55,0.205,2.165,1.1055,0.525,0.404,10\nM,0.725,0.57,0.19,2.33
05,1.253,0.541,0.52,9\nI,0.24,0.17,0.05,0.0545,0.0205,0.016,0.0155,5\nI,0.255,
0.195,0.055,0.0725,0.0285,0.017,0.021,4\nI,0.275,0.2,0.055,0.0925,0.038,0.021,
0.026,4\nI,0.32,0.235,0.09,0.183,0.098,0.0335,0.042,7\nI,0.325,0.24,0.075,0.15
25,0.072,0.0645,0.043,6\nI,0.33,0.225,0.075,0.187,0.0945,0.0395,0.0425,7\nI,0.
36,0.27,0.09,0.232,0.12,0.0435,0.056,8\nI,0.375,0.265,0.095,0.196,0.085,0.042,
0.0585,5\nI,0.375,0.285,0.09,0.2545,0.119,0.0595,0.0675,6\nI,0.39,0.29,0.09,0.
2625,0.117,0.054,0.077,7\nI,0.45,0.335,0.105,0.362,0.1575,0.0795,0.1095,7\nI,
0.455,0.35,0.105,0.4445,0.213,0.107,0.1115,7\nI,0.46,0.365,0.115,0.511,0.2365,
0.118,0.123,7\nI,0.495,0.375,0.12,0.589,0.3075,0.1215,0.1405,8\nM,0.5,0.365,0.
13,0.5945,0.309,0.1085,0.1535,9\nI,0.5,0.375,0.12,0.529,0.2235,0.123,0.16,8\n
M,0.52,0.4,0.105,0.872,0.4515,0.1615,0.1985,9\nI,0.52,0.395,0.145,0.77,0.424,
0.142,0.1895,7\nF,0.525,0.43,0.135,0.8435,0.4325,0.18,0.1815,9\nM,0.535,0.405,
0.14,0.818,0.402,0.1715,0.189,7\nF,0.54,0.42,0.14,0.8035,0.38,0.1805,0.21,9\n
F,0.54,0.415,0.15,0.8115,0.3875,0.1875,0.2035,9\nF,0.57,0.425,0.13,0.782,0.369
5,0.1745,0.1965,8\nM,0.57,0.42,0.14,0.8745,0.416,0.165,0.25,8\nM,0.58,0.445,0.
16,0.984,0.49,0.201,0.27,9\nF,0.58,0.445,0.135,0.95,0.484,0.182,0.2325,8\nM,0.
59,0.47,0.155,1.1735,0.6245,0.233,0.2595,9\nF,0.59,0.455,0.15,0.976,0.465,0.20
55,0.2765,10\nM,0.59,0.485,0.155,1.0785,0.4535,0.2435,0.31,9\nM,0.595,0.435,0.
16,1.057,0.4255,0.224,0.31,9\nM,0.6,0.475,0.175,1.11,0.5105,0.256,0.285,9\nM,
0.6,0.45,0.16,1.142,0.539,0.225,0.307,10\nM,0.605,0.475,0.19,1.1255,0.59,0.24
7,0.26,10\nF,0.62,0.48,0.17,1.1045,0.535,0.25,0.287,10\nM,0.625,0.475,0.175,1.
3405,0.656,0.283,0.337,10\nM,0.625,0.5,0.13,1.082,0.5785,0.2045,0.25,8\nF,0.62
5,0.485,0.16,1.254,0.591,0.259,0.3485,9\nM,0.63,0.49,0.165,1.2005,0.575,0.273,
0.294,10\nM,0.63,0.485,0.16,1.243,0.623,0.275,0.3,10\nF,0.635,0.51,0.185,1.28
6,0.526,0.295,0.4105,12\nF,0.645,0.49,0.16,1.1665,0.4935,0.3155,0.299,9\nF,0.6
45,0.49,0.16,1.144,0.5015,0.289,0.319,8\nF,0.65,0.525,0.19,1.385,0.8875,0.309
5,0.405,11\nF,0.655,0.515,0.155,1.309,0.524,0.346,0.385,11\nF,0.655,0.515,0.1
7,1.527,0.8485,0.2635,0.331,11\nM,0.665,0.515,0.19,1.6385,0.831,0.3575,0.371,1
1\nM,0.695,0.54,0.195,1.691,0.768,0.363,0.4755,11\nF,0.72,0.565,0.18,1.719,0.8
465,0.407,0.3875,11\nF,0.72,0.55,0.18,1.52,0.637,0.325,0.435,10\nF,0.72,0.565,
0.17,1.613,0.723,0.3255,0.4945,12\nM,0.735,0.57,0.21,2.2355,1.1705,0.463,0.531
5,10\nM,0.74,0.595,0.19,2.3235,1.1495,0.5115,0.505,11\nI,0.31,0.23,0.07,0.124
5,0.0505,0.0265,0.038,6\nI,0.315,0.235,0.075,0.1285,0.051,0.028,0.0405,4\nI,0.
32,0.205,0.08,0.181,0.088,0.034,0.0495,5\nI,0.325,0.25,0.075,0.1585,0.075,0.03
05,0.0455,6\nI,0.335,0.26,0.09,0.1965,0.0875,0.041,0.056,7\nI,0.37,0.28,0.085,
0.198,0.0805,0.0455,0.058,5\nI,0.37,0.27,0.09,0.1855,0.07,0.0425,0.065,7\nI,0.
375,0.28,0.085,0.2145,0.0855,0.0485,0.072,7\nI,0.4,0.315,0.09,0.3245,0.151,0.0
73,0.088,8\nI,0.41,0.305,0.095,0.2625,0.1,0.0515,0.09,6\nI,0.425,0.34,0.1,0.37
1,0.15,0.0865,0.115,8\nI,0.435,0.335,0.095,0.298,0.109,0.058,0.115,7\nI,0.445,
0.31,0.09,0.336,0.1555,0.09,0.0855,7\nI,0.46,0.36,0.14,0.447,0.161,0.087,0.16,
9\nF,0.465,0.35,0.11,0.4085,0.165,0.102,0.131,8\nI,0.47,0.385,0.13,0.587,0.26
4,0.117,0.174,8\nI,0.475,0.375,0.11,0.494,0.211,0.109,0.1545,8\nI,0.495,0.375,
0.12,0.614,0.2855,0.1365,0.161,8\nI,0.5,0.39,0.13,0.5075,0.2115,0.104,0.1755,9
\nI,0.5,0.37,0.12,0.5445,0.249,0.1065,0.152,8\nI,0.505,0.425,0.125,0.6115,0.24
5,0.1375,0.2,9\nI,0.505,0.4,0.125,0.5605,0.2255,0.1435,0.17,8\nM,0.505,0.365,
0.115,0.521,0.25,0.096,0.15,8\nI,0.51,0.4,0.145,0.5775,0.231,0.143,0.177,9\nI,
0.51,0.4,0.125,0.5935,0.239,0.13,0.204,8\nI,0.52,0.4,0.11,0.597,0.2935,0.1155,
0.16,8\nM,0.52,0.465,0.15,0.9505,0.456,0.199,0.255,8\nI,0.53,0.38,0.125,0.616,
0.292,0.113,0.185,8\nM,0.53,0.405,0.15,0.8315,0.352,0.187,0.2525,10\nF,0.535,
0.445,0.125,0.8725,0.417,0.199,0.24,8\nI,0.54,0.425,0.13,0.8155,0.3675,0.1365,

0.246,11\nI,0.54,0.415,0.11,0.619,0.2755,0.15,0.1765,10\nI,0.545,0.43,0.13,0.7
595,0.358,0.153,0.2055,8\nI,0.545,0.43,0.15,0.742,0.3525,0.158,0.208,10\nI,0.5
5,0.435,0.165,0.804,0.34,0.194,0.244,8\nI,0.55,0.425,0.13,0.664,0.2695,0.163,
0.21,8\nF,0.55,0.435,0.14,0.745,0.347,0.174,0.2265,9\nI,0.56,0.43,0.13,0.728,
0.3355,0.1435,0.2175,8\nI,0.56,0.435,0.13,0.777,0.354,0.173,0.222,9\nF,0.575,
0.425,0.15,0.8765,0.455,0.18,0.228,8\nI,0.575,0.455,0.16,0.9895,0.495,0.195,0.
246,9\nM,0.575,0.45,0.165,0.9655,0.498,0.19,0.23,8\nM,0.58,0.465,0.15,0.9065,
0.371,0.1965,0.29,8\nM,0.58,0.46,0.15,1.049,0.5205,0.1935,0.305,10\nF,0.58,0.4
5,0.17,0.9705,0.4615,0.232,0.248,9\nF,0.58,0.45,0.15,0.92,0.393,0.212,0.2895,9
\nM,0.58,0.445,0.15,0.9525,0.4315,0.1945,0.287,11\nF,0.58,0.44,0.125,0.7855,0.
363,0.1955,0.195,11\nI,0.585,0.45,0.135,0.855,0.3795,0.187,0.26,9\nM,0.59,0.5,
0.15,1.142,0.485,0.265,0.345,9\nI,0.59,0.46,0.125,0.755,0.334,0.15,0.238,9\nI,
0.59,0.475,0.145,0.9745,0.4675,0.207,0.259,10\nM,0.595,0.47,0.155,1.2015,0.49
2,0.3865,0.265,10\nM,0.595,0.46,0.17,1.1295,0.57,0.2555,0.265,10\nI,0.6,0.445,
0.135,0.9205,0.445,0.2035,0.253,9\nF,0.6,0.48,0.17,1.056,0.4575,0.2435,0.3135,
10\nM,0.6,0.45,0.195,1.34,0.617,0.3255,0.3605,10\nF,0.6,0.45,0.15,0.9625,0.437
5,0.2225,0.2775,9\nM,0.6,0.465,0.165,1.0475,0.465,0.2345,0.315,11\nF,0.605,0.4
95,0.17,1.0915,0.4365,0.2715,0.335,13\nM,0.605,0.49,0.18,1.167,0.457,0.29,0.37
45,9\nI,0.605,0.48,0.155,0.9995,0.425,0.1985,0.3,10\nI,0.61,0.425,0.155,1.048
5,0.507,0.1955,0.274,11\nF,0.61,0.47,0.195,1.2735,0.469,0.3315,0.398,12\nM,0.6
1,0.48,0.14,1.0625,0.516,0.225,0.2915,11\nI,0.61,0.49,0.16,1.1545,0.5865,0.238
5,0.2915,11\nF,0.615,0.475,0.175,1.194,0.559,0.259,0.3165,11\nF,0.615,0.515,0.
135,1.1215,0.545,0.2305,0.29,9\nM,0.615,0.455,0.15,0.9335,0.382,0.247,0.2615,1
0\nF,0.615,0.495,0.165,1.198,0.5415,0.2865,0.3185,10\nF,0.62,0.475,0.15,0.954
5,0.455,0.1865,0.277,9\nM,0.62,0.475,0.195,1.3585,0.5935,0.3365,0.3745,10\nM,
0.625,0.495,0.175,1.2075,0.531,0.281,0.3525,11\nM,0.625,0.515,0.165,1.217,0.66
7,0.2065,0.3115,10\nF,0.625,0.5,0.16,1.217,0.5725,0.207,0.355,11\nF,0.625,0.4
9,0.145,0.92,0.437,0.1735,0.28,10\nM,0.625,0.49,0.12,0.8765,0.456,0.18,0.233,1
0\nF,0.63,0.48,0.165,1.2615,0.5505,0.277,0.3885,10\nM,0.63,0.53,0.18,1.2795,0.
618,0.256,0.315,9\nF,0.63,0.485,0.185,1.167,0.548,0.2485,0.34,10\nM,0.63,0.51,
0.17,1.1885,0.4915,0.3065,0.348,7\nF,0.635,0.485,0.19,1.3765,0.634,0.2885,0.40
6,11\nM,0.635,0.52,0.175,1.292,0.6,0.269,0.367,11\nM,0.635,0.485,0.18,1.1795,
0.4785,0.2775,0.355,10\nF,0.635,0.5,0.19,1.29,0.593,0.3045,0.352,8\nM,0.635,0.
515,0.16,1.2075,0.5385,0.282,0.345,11\nM,0.64,0.505,0.18,1.297,0.59,0.3125,0.3
63,11\nM,0.64,0.575,0.175,1.4585,0.625,0.266,0.4395,11\nF,0.645,0.485,0.15,1.1
51,0.5935,0.2315,0.293,12\nF,0.645,0.52,0.17,1.197,0.526,0.2925,0.317,11\nM,0.
645,0.495,0.19,1.539,0.6115,0.408,0.445,12\nM,0.65,0.52,0.195,1.676,0.693,0.4
4,0.47,15\nF,0.65,0.565,0.2,1.6645,0.753,0.367,0.43,12\nF,0.655,0.5,0.205,1.52
8,0.6215,0.3725,0.4535,11\nF,0.655,0.515,0.2,1.494,0.7255,0.309,0.405,12\nF,0.
66,0.525,0.16,1.277,0.4975,0.319,0.394,13\nF,0.66,0.525,0.18,1.5965,0.7765,0.3
97,0.3605,10\nF,0.665,0.51,0.175,1.3805,0.675,0.2985,0.325,10\nI,0.67,0.485,0.
175,1.2565,0.5355,0.322,0.386,9\nF,0.67,0.525,0.19,1.527,0.5755,0.353,0.44,12
\nM,0.67,0.525,0.17,1.4005,0.715,0.3025,0.387,9\nM,0.67,0.525,0.195,1.4405,0.6
595,0.2675,0.425,9\nM,0.67,0.54,0.175,1.482,0.739,0.2925,0.365,10\nM,0.68,0.51
5,0.16,1.2345,0.618,0.2625,0.325,11\nF,0.68,0.505,0.17,1.3435,0.657,0.297,0.35
5,12\nM,0.685,0.505,0.19,1.533,0.667,0.4055,0.41,10\nM,0.69,0.515,0.18,1.8445,
0.9815,0.4655,0.341,13\nM,0.715,0.55,0.175,1.825,0.938,0.3805,0.44,11\nM,0.72,
0.58,0.19,2.0885,0.9955,0.478,0.5305,13\nM,0.735,0.59,0.205,2.087,0.909,0.474,
0.625,12\nM,0.745,0.575,0.2,1.884,0.954,0.336,0.495,12\nI,0.32,0.215,0.095,0.3
05,0.14,0.067,0.0885,6\nI,0.43,0.345,0.115,0.4295,0.212,0.108,0.109,8\nI,0.43,
0.33,0.1,0.449,0.254,0.0825,0.097,6\nM,0.485,0.365,0.155,1.029,0.4235,0.2285,
0.313,8\nM,0.49,0.355,0.155,0.981,0.465,0.2015,0.2505,8\nI,0.5,0.37,0.115,0.57
45,0.306,0.112,0.141,7\nF,0.505,0.38,0.13,0.693,0.391,0.1195,0.1515,8\nF,0.51,
0.37,0.21,1.183,0.508,0.292,0.343,9\nF,0.525,0.41,0.135,0.7905,0.4065,0.198,0.
177,8\nF,0.535,0.4,0.15,1.224,0.618,0.275,0.2875,10\nI,0.535,0.4,0.135,0.775,
0.368,0.208,0.2055,8\nM,0.535,0.405,0.175,1.2705,0.548,0.3265,0.337,13\nM,0.55
5,0.405,0.19,1.406,0.6115,0.342,0.389,10\nM,0.555,0.425,0.15,0.873,0.4625,0.18
45,0.1965,9\nM,0.56,0.425,0.135,0.9415,0.509,0.2015,0.1975,9\nF,0.59,0.44,0.1
4,1.007,0.4775,0.2105,0.2925,9\nM,0.595,0.485,0.15,1.0835,0.5305,0.231,0.276,8
\nI,0.595,0.43,0.165,0.9845,0.4525,0.207,0.2725,8\nF,0.595,0.43,0.21,1.5245,0.
653,0.396,0.41,11\nM,0.61,0.475,0.175,1.024,0.409,0.261,0.322,9\nM,0.61,0.485,
0.17,1.281,0.597,0.3035,0.33,9\nF,0.62,0.5,0.17,1.148,0.5475,0.22,0.3315,10\n
F,0.625,0.49,0.11,1.136,0.5265,0.1915,0.2925,9\nF,0.635,0.51,0.17,1.2235,0.53
2,0.271,0.354,9\nF,0.635,0.525,0.18,1.3695,0.634,0.318,0.363,11\nM,0.64,0.485,
0.16,1.006,0.456,0.2245,0.2835,9\nM,0.64,0.495,0.165,1.307,0.678,0.292,0.266,1
1\nM,0.645,0.505,0.185,1.463,0.592,0.3905,0.416,10\nF,0.655,0.505,0.175,1.290
5,0.6205,0.2965,0.326,10\nF,0.67,0.515,0.17,1.4265,0.6605,0.3395,0.37,11\nM,0.
68,0.54,0.21,1.7885,0.8345,0.408,0.437,13\nM,0.7,0.545,0.185,1.6135,0.75,0.403
5,0.3685,11\nM,0.73,0.585,0.225,2.2305,1.2395,0.422,0.563,14\nF,0.75,0.615,0.2

05,2.2635,0.821,0.423,0.726,12\nI,0.255,0.185,0.065,0.074,0.0305,0.0165,0.02,4
\nI,0.375,0.26,0.08,0.2075,0.09,0.0415,0.07,6\nI,0.375,0.285,0.09,0.237,0.106,
0.0395,0.08,8\nI,0.39,0.3,0.1,0.2665,0.1105,0.059,0.084,7\nI,0.39,0.28,0.09,0.
215,0.0845,0.034,0.079,8\nI,0.395,0.3,0.09,0.253,0.1155,0.05,0.075,6\nI,0.42,
0.32,0.11,0.309,0.115,0.0645,0.0945,6\nI,0.435,0.335,0.105,0.3535,0.156,0.05,
0.1135,7\nI,0.435,0.325,0.105,0.335,0.136,0.065,0.115,8\nI,0.44,0.32,0.105,0.3
875,0.1755,0.074,0.12,9\nI,0.45,0.33,0.115,0.365,0.14,0.0825,0.1245,8\nI,0.45,
0.34,0.125,0.4045,0.171,0.07,0.1345,8\nI,0.455,0.355,0.105,0.372,0.138,0.0765,
0.135,9\nI,0.46,0.37,0.11,0.3965,0.1485,0.0855,0.1455,8\nI,0.47,0.375,0.125,0.
5225,0.2265,0.104,0.162,8\nI,0.475,0.375,0.11,0.456,0.182,0.099,0.16,9\nI,0.49
5,0.33,0.1,0.44,0.177,0.095,0.15,7\nI,0.495,0.375,0.115,0.507,0.241,0.103,0.1
5,8\nI,0.5,0.38,0.135,0.5285,0.226,0.123,0.209,8\nI,0.515,0.385,0.125,0.572,0.
237,0.1435,0.165,7\nI,0.52,0.41,0.14,0.6625,0.2775,0.1555,0.196,11\nI,0.52,0.3
95,0.115,0.6445,0.3155,0.1245,0.186,11\nI,0.525,0.4,0.11,0.6275,0.3015,0.126,
0.18,8\nI,0.535,0.42,0.145,0.6885,0.273,0.1515,0.237,9\nM,0.535,0.41,0.12,0.68
35,0.3125,0.1655,0.159,8\nM,0.54,0.42,0.19,0.6855,0.293,0.163,0.38,10\nI,0.55,
0.405,0.15,0.6755,0.3015,0.1465,0.21,10\nI,0.55,0.445,0.145,0.783,0.3045,0.15
7,0.265,11\nM,0.56,0.45,0.145,0.894,0.3885,0.2095,0.264,9\nI,0.565,0.44,0.135,
0.768,0.3305,0.1385,0.2475,9\nM,0.57,0.45,0.145,0.95,0.4005,0.2235,0.2845,10\n
F,0.57,0.47,0.14,0.871,0.385,0.211,0.2315,10\nM,0.575,0.47,0.15,0.9785,0.4505,
0.196,0.276,9\nI,0.575,0.43,0.13,0.7425,0.2895,0.2005,0.22,8\nM,0.575,0.445,0.
14,0.737,0.325,0.1405,0.237,10\nI,0.575,0.445,0.16,0.9175,0.45,0.1935,0.24,9\n
F,0.58,0.435,0.155,0.8785,0.425,0.1685,0.2425,10\nM,0.585,0.45,0.175,1.1275,0.
4925,0.262,0.335,11\nM,0.59,0.435,0.165,0.9765,0.4525,0.2395,0.235,9\nI,0.59,
0.47,0.145,0.974,0.453,0.236,0.289,8\nM,0.59,0.405,0.15,0.853,0.326,0.2615,0.2
45,9\nM,0.595,0.47,0.175,0.991,0.382,0.2395,0.5,12\nM,0.595,0.48,0.14,0.9125,
0.4095,0.1825,0.289,9\nF,0.595,0.46,0.16,0.921,0.4005,0.2025,0.2875,9\nF,0.6,
0.45,0.14,0.869,0.3425,0.195,0.291,11\nM,0.6,0.45,0.15,0.8665,0.3695,0.1955,0.
255,12\nF,0.61,0.495,0.16,1.089,0.469,0.198,0.384,11\nM,0.615,0.485,0.215,0.96
15,0.422,0.176,0.29,11\nM,0.615,0.49,0.17,1.145,0.4915,0.208,0.343,13\nI,0.62,
0.475,0.16,0.907,0.371,0.167,0.3075,11\nF,0.625,0.515,0.155,1.1635,0.4875,0.25
9,0.355,11\nM,0.63,0.515,0.175,1.1955,0.492,0.247,0.37,11\nM,0.63,0.495,0.18,
1.31,0.495,0.295,0.4695,10\nF,0.635,0.505,0.165,1.251,0.577,0.227,0.3825,11\n
F,0.635,0.49,0.155,1.145,0.4775,0.3035,0.3155,9\nM,0.635,0.5,0.18,1.154,0.440
5,0.2315,0.387,9\nF,0.64,0.485,0.145,1.1335,0.5525,0.2505,0.3015,11\nF,0.64,0.
5,0.15,1.2015,0.559,0.231,0.3355,9\nM,0.65,0.505,0.17,1.5595,0.695,0.3515,0.39
5,11\nM,0.65,0.51,0.175,1.3165,0.6345,0.2605,0.364,12\nM,0.655,0.54,0.165,1.40
3,0.6955,0.2385,0.42,11\nF,0.655,0.49,0.16,1.204,0.5455,0.2615,0.3225,9\nF,0.6
55,0.455,0.17,1.2895,0.587,0.3165,0.3415,11\nF,0.66,0.53,0.18,1.5175,0.7765,0.
302,0.401,10\nM,0.665,0.525,0.155,1.3575,0.5325,0.3045,0.4485,10\nM,0.675,0.5
2,0.145,1.3645,0.557,0.3405,0.385,11\nF,0.68,0.52,0.185,1.494,0.615,0.3935,0.4
06,11\nF,0.68,0.56,0.195,1.664,0.58,0.3855,0.545,11\nM,0.685,0.51,0.165,1.545,
0.686,0.3775,0.4055,10\nF,0.695,0.535,0.2,1.5855,0.667,0.334,0.471,11\nF,0.7,
0.555,0.22,1.666,0.647,0.4285,0.455,11\nM,0.71,0.56,0.175,1.724,0.566,0.4575,
0.4625,13\nF,0.73,0.55,0.205,1.908,0.5415,0.3565,0.5965,14\nF,0.755,0.575,0.2,
2.073,1.0135,0.4655,0.48,11\nI,0.225,0.17,0.05,0.0515,0.019,0.012,0.017,4\nI,
0.23,0.17,0.05,0.057,0.026,0.013,0.016,5\nI,0.255,0.185,0.06,0.0925,0.039,0.02
1,0.025,6\nI,0.355,0.27,0.075,0.204,0.3045,0.046,0.0595,7\nI,0.425,0.31,0.095,
0.3075,0.139,0.0745,0.093,7\nI,0.425,0.32,0.085,0.262,0.1235,0.067,0.0725,8\n
M,0.455,0.35,0.11,0.458,0.2,0.111,0.1305,8\nM,0.46,0.355,0.14,0.491,0.207,0.11
5,0.174,10\nM,0.495,0.38,0.12,0.474,0.197,0.1065,0.1545,10\nM,0.51,0.395,0.12
5,0.5805,0.244,0.1335,0.188,11\nF,0.52,0.43,0.15,0.728,0.302,0.1575,0.235,11\n
M,0.525,0.4,0.13,0.622,0.2655,0.147,0.184,9\nM,0.53,0.415,0.12,0.706,0.3355,0.
1635,0.1345,9\nF,0.53,0.395,0.115,0.5685,0.249,0.1375,0.161,9\nM,0.545,0.435,
0.145,0.9385,0.3685,0.1245,0.345,11\nF,0.55,0.43,0.15,0.655,0.2635,0.122,0.22
1,8\nM,0.575,0.48,0.15,0.9465,0.4355,0.2605,0.2505,9\nM,0.58,0.43,0.125,0.911
5,0.446,0.2075,0.121,10\nM,0.595,0.455,0.145,0.942,0.43,0.182,0.277,11\nM,0.6,
0.465,0.18,1.193,0.5145,0.315,0.3055,8\nM,0.645,0.5,0.18,1.461,0.5985,0.2425,
0.439,11\nM,0.66,0.525,0.2,1.489,0.6065,0.3795,0.421,10\nI,0.29,0.215,0.06,0.1
115,0.053,0.0185,0.032,5\nI,0.3,0.22,0.065,0.1235,0.059,0.026,0.0315,5\nI,0.3
7,0.275,0.1,0.2815,0.1505,0.0505,0.068,5\nI,0.375,0.285,0.08,0.226,0.0975,0.0
4,0.0725,7\nI,0.38,0.29,0.085,0.2285,0.088,0.0465,0.075,7\nI,0.395,0.3,0.12,0.
2995,0.1265,0.068,0.0895,8\nI,0.41,0.325,0.105,0.361,0.1605,0.0665,0.103,8\nI,
0.415,0.32,0.115,0.3045,0.1215,0.0735,0.094,7\nI,0.425,0.325,0.105,0.3975,0.18
15,0.081,0.1175,7\nI,0.44,0.34,0.1,0.379,0.1725,0.0815,0.101,7\nI,0.44,0.34,0.
12,0.4995,0.2965,0.0945,0.1185,6\nM,0.465,0.405,0.135,0.7775,0.436,0.1715,0.14
55,10\nF,0.47,0.36,0.1,0.4705,0.1635,0.089,0.1385,8\nM,0.51,0.415,0.145,0.751,
0.3295,0.1835,0.203,8\nF,0.525,0.4,0.135,0.714,0.318,0.138,0.208,10\nF,0.525,
0.4,0.13,0.6995,0.3115,0.131,0.223,9\nF,0.55,0.425,0.14,0.952,0.4895,0.1945,0.

2185,7\nM,0.56,0.42,0.15,0.8755,0.44,0.1965,0.2315,8\nM,0.575,0.45,0.135,0.921
5,0.354,0.209,0.2365,9\nF,0.575,0.45,0.135,0.8285,0.362,0.1655,0.236,10\nM,0.5
85,0.46,0.15,1.206,0.581,0.216,0.323,10\nM,0.615,0.495,0.155,1.2865,0.435,0.29
3,0.3245,11\nF,0.62,0.485,0.155,1.1945,0.5105,0.271,0.352,9\nF,0.63,0.495,0.1
9,1.1655,0.536,0.2115,0.1625,10\nF,0.63,0.49,0.17,1.2155,0.4625,0.2045,0.3105,
10\nM,0.67,0.515,0.165,1.1735,0.526,0.285,0.316,11\nM,0.675,0.505,0.16,1.532,
0.74,0.357,0.3815,11\nF,0.685,0.53,0.17,1.5105,0.7385,0.3525,0.3725,10\nF,0.48
5,0.39,0.1,0.5565,0.2215,0.1155,0.185,9\nM,0.46,0.36,0.125,0.547,0.2165,0.110
5,0.19,8\nM,0.46,0.35,0.125,0.5165,0.1885,0.1145,0.185,9\nM,0.535,0.42,0.125,
0.764,0.312,0.1505,0.265,11\nM,0.465,0.36,0.105,0.488,0.188,0.0845,0.19,10\nM,
0.51,0.4,0.14,0.6905,0.259,0.151,0.23,10\nI,0.335,0.26,0.09,0.1835,0.078,0.02
4,0.065,11\nM,0.55,0.425,0.16,0.97,0.2885,0.139,0.48,20\nI,0.18,0.135,0.08,0.0
33,0.0145,0.007,0.01,5\nI,0.215,0.165,0.055,0.059,0.0265,0.0125,0.0185,5\nI,0.
2,0.15,0.04,0.046,0.021,0.007,0.0065,4\nF,0.625,0.48,0.2,1.3235,0.6075,0.3055,
0.355,9\nM,0.55,0.42,0.17,0.8465,0.336,0.2405,0.245,13\nM,0.585,0.45,0.15,1.04
7,0.4315,0.276,0.315,14\nF,0.645,0.5,0.18,1.2785,0.5345,0.2995,0.345,13\nF,0.7
1,0.53,0.195,1.8745,0.6755,0.4065,0.6855,12\nF,0.7,0.54,0.215,1.978,0.6675,0.3
125,0.71,24\nF,0.655,0.505,0.165,1.367,0.5835,0.3515,0.396,10\nF,0.665,0.5,0.1
75,1.742,0.595,0.3025,0.725,21\nF,0.47,0.375,0.105,0.513,0.232,0.142,0.13,11\n
M,0.425,0.335,0.1,0.4085,0.1755,0.092,0.135,9\nM,0.54,0.41,0.13,0.56,0.2375,0.
1065,0.175,7\nM,0.505,0.395,0.125,0.635,0.29,0.1555,0.175,9\nM,0.535,0.44,0.16
5,0.875,0.279,0.18,0.3,10\nF,0.43,0.35,0.09,0.397,0.1575,0.089,0.12,9\nM,0.55,
0.435,0.11,0.806,0.3415,0.203,0.215,9\nF,0.34,0.255,0.085,0.204,0.097,0.021,0.
05,6\nI,0.275,0.2,0.065,0.1165,0.0565,0.013,0.035,7\nF,0.335,0.22,0.07,0.17,0.
076,0.0365,0.05,6\nM,0.64,0.49,0.14,1.194,0.4445,0.238,0.375,15\nF,0.55,0.44,
0.125,0.765,0.33,0.2125,0.245,9\nF,0.64,0.475,0.19,1.151,0.4365,0.281,0.3805,1
3\nF,0.545,0.41,0.115,0.6765,0.29,0.158,0.22,9\nF,0.64,0.54,0.175,1.571,0.627,
0.271,0.475,18\nM,0.605,0.49,0.155,1.153,0.503,0.2505,0.295,15\nM,0.605,0.47,
0.115,1.114,0.3925,0.291,0.31,15\nM,0.56,0.45,0.155,0.9125,0.3595,0.271,0.35,1
0\nF,0.57,0.465,0.155,0.872,0.3245,0.239,0.285,14\nM,0.525,0.405,0.16,0.792,0.
316,0.1455,0.28,13\nF,0.505,0.405,0.18,0.606,0.239,0.1235,0.18,11\nM,0.35,0.26
5,0.09,0.2265,0.0995,0.0575,0.065,6\nM,0.45,0.355,0.12,0.3955,0.147,0.0765,0.1
45,9\nI,0.51,0.405,0.12,0.61,0.229,0.131,0.235,11\nF,0.49,0.38,0.13,0.539,0.22
9,0.1355,0.165,12\nF,0.505,0.41,0.135,0.657,0.291,0.133,0.195,15\nM,0.38,0.3,
0.1,0.2505,0.106,0.0535,0.0775,8\nI,0.27,0.195,0.07,0.102,0.045,0.0135,0.034,8
\nF,0.37,0.295,0.1,0.2685,0.1165,0.056,0.0835,7\nM,0.5,0.385,0.135,0.551,0.224
5,0.0715,0.206,11\nM,0.645,0.505,0.165,1.307,0.4335,0.262,0.52,10\nM,0.565,0.4
4,0.115,0.9185,0.404,0.1785,0.29,11\nF,0.67,0.545,0.175,1.707,0.6995,0.387,0.5
75,13\nF,0.59,0.415,0.15,0.8805,0.3645,0.234,0.235,11\nF,0.47,0.36,0.11,0.496
5,0.237,0.127,0.13,6\nF,0.51,0.385,0.135,0.632,0.282,0.145,0.17,8\nM,0.72,0.57
5,0.23,2.2695,0.8835,0.3985,0.665,16\nM,0.55,0.405,0.15,0.9235,0.412,0.2135,0.
24,7\nI,0.2,0.145,0.025,0.0345,0.011,0.0075,0.01,5\nM,0.65,0.515,0.18,1.3315,
0.5665,0.347,0.405,13\nF,0.525,0.405,0.115,0.72,0.3105,0.1915,0.2,14\nM,0.565,
0.435,0.185,1.032,0.354,0.2045,0.31,20\nF,0.61,0.47,0.16,1.017,0.426,0.2255,0.
32,12\nF,0.545,0.405,0.175,0.98,0.2585,0.207,0.38,18\nI,0.325,0.245,0.075,0.14
95,0.0605,0.033,0.045,5\nI,0.31,0.235,0.075,0.1515,0.056,0.0315,0.05,7\nM,0.4
5,0.335,0.14,0.478,0.1865,0.115,0.16,11\nF,0.49,0.38,0.155,0.578,0.2395,0.125
5,0.18,9\nF,0.505,0.405,0.16,0.6835,0.271,0.145,0.215,10\nF,0.385,0.3,0.1,0.27
25,0.1115,0.057,0.08,6\nF,0.62,0.485,0.22,1.511,0.5095,0.284,0.51,17\nF,0.635,
0.505,0.185,1.3035,0.501,0.295,0.41,17\nF,0.665,0.53,0.185,1.3955,0.456,0.320
5,0.49,15\nM,0.335,0.265,0.095,0.1975,0.0795,0.0375,0.07,9\nI,0.295,0.215,0.07
5,0.116,0.037,0.0295,0.04,8\nI,0.48,0.38,0.125,0.523,0.2105,0.1045,0.175,15\n
I,0.32,0.25,0.08,0.1565,0.057,0.034,0.06,9\nI,0.43,0.34,0.125,0.384,0.1375,0.0
61,0.146,14\nM,0.565,0.45,0.14,1.0055,0.3785,0.244,0.265,12\nF,0.6,0.48,0.165,
1.1345,0.4535,0.27,0.335,10\nF,0.585,0.46,0.17,1.0835,0.3745,0.326,0.325,14\n
F,0.555,0.42,0.14,0.868,0.33,0.243,0.21,13\nF,0.57,0.495,0.16,1.0915,0.452,0.2
75,0.315,14\nF,0.62,0.485,0.175,1.271,0.531,0.3075,0.37,11\nM,0.63,0.51,0.19,
1.4985,0.4125,0.3075,0.545,16\nM,0.425,0.34,0.12,0.388,0.149,0.087,0.125,10\n
F,0.64,0.505,0.19,1.2355,0.4435,0.3105,0.365,14\nM,0.675,0.525,0.175,1.402,0.4
83,0.3205,0.465,16\nM,0.5,0.4,0.145,0.6025,0.216,0.138,0.21,11\nM,0.385,0.305,
0.09,0.2775,0.109,0.0515,0.1,9\nM,0.52,0.435,0.195,0.973,0.2985,0.2135,0.355,1
8\nM,0.52,0.415,0.175,0.753,0.258,0.171,0.255,8\nM,0.64,0.525,0.2,1.3765,0.44,
0.3075,0.47,16\nI,0.44,0.35,0.12,0.375,0.1425,0.0965,0.115,9\nF,0.42,0.32,0.1
3,0.4135,0.1645,0.106,0.119,10\nF,0.45,0.35,0.135,0.56,0.231,0.137,0.145,13\n
I,0.42,0.325,0.125,0.3915,0.1575,0.1025,0.115,9\nF,0.64,0.505,0.19,1.2765,0.48
35,0.328,0.4,12\nM,0.57,0.455,0.15,0.96,0.387,0.2385,0.275,11\nM,0.41,0.325,0.
12,0.3745,0.158,0.081,0.125,12\nM,0.485,0.41,0.15,0.696,0.2405,0.1625,0.265,13
\nF,0.61,0.48,0.19,1.2955,0.5215,0.3225,0.365,12\nF,0.59,0.485,0.205,1.2315,0.
4525,0.238,0.42,13\nM,0.665,0.535,0.155,1.383,0.596,0.2565,0.485,14\nI,0.345,

0.285,0.1,0.2225,0.0865,0.058,0.075,8\nM,0.635,0.51,0.155,1.156,0.428,0.289,0.
315,18\nM,0.695,0.53,0.15,1.477,0.6375,0.3025,0.43,14\nF,0.69,0.54,0.185,1.571
5,0.6935,0.318,0.47,15\nM,0.555,0.435,0.135,0.858,0.377,0.1585,0.29,15\nM,0.6
5,0.525,0.19,1.4995,0.6265,0.4005,0.395,14\nM,0.635,0.48,0.19,1.467,0.5825,0.3
03,0.42,15\nF,0.655,0.51,0.16,1.092,0.396,0.2825,0.37,14\nF,0.69,0.555,0.205,
1.8165,0.7785,0.4395,0.515,19\nF,0.695,0.55,0.16,1.6365,0.694,0.3005,0.44,13\n
M,0.55,0.435,0.16,0.906,0.342,0.219,0.295,13\nF,0.61,0.495,0.19,1.213,0.464,0.
306,0.365,15\nM,0.595,0.5,0.165,1.06,0.402,0.28,0.275,11\nM,0.3,0.24,0.09,0.16
1,0.0725,0.039,0.05,6\nF,0.435,0.35,0.125,0.459,0.197,0.1145,0.145,9\nI,0.455,
0.375,0.125,0.533,0.233,0.106,0.185,8\nM,0.48,0.38,0.13,0.6175,0.3,0.142,0.17
5,12\nI,0.43,0.35,0.105,0.366,0.1705,0.0855,0.11,6\nF,0.435,0.35,0.105,0.4195,
0.194,0.1005,0.13,7\nI,0.3,0.23,0.075,0.15,0.0605,0.042,0.045,5\nF,0.575,0.48,
0.15,0.8745,0.375,0.193,0.29,12\nM,0.505,0.385,0.11,0.655,0.3185,0.15,0.185,9
\nM,0.455,0.375,0.125,0.484,0.2155,0.102,0.165,7\nM,0.64,0.505,0.165,1.4435,0.
6145,0.3035,0.39,18\nF,0.56,0.435,0.125,0.8775,0.3345,0.2145,0.29,13\nF,0.645,
0.52,0.19,1.3105,0.58,0.288,0.37,12\nF,0.595,0.485,0.145,1.2515,0.5035,0.2925,
0.33,14\nM,0.565,0.45,0.115,0.9085,0.398,0.197,0.29,17\nF,0.655,0.5,0.14,1.170
5,0.5405,0.3175,0.285,12\nM,0.48,0.38,0.135,0.528,0.2,0.1395,0.16,14\nF,0.495,
0.385,0.135,0.6625,0.3005,0.1635,0.185,11\nF,0.4,0.335,0.115,0.4335,0.2105,0.1
205,0.12,10\nM,0.41,0.31,0.125,0.3595,0.1415,0.0885,0.115,11\nF,0.595,0.465,0.
145,1.107,0.402,0.2415,0.31,12\nF,0.625,0.475,0.13,0.8595,0.3195,0.1775,0.24,1
3\nM,0.52,0.425,0.155,0.7735,0.297,0.123,0.255,17\nM,0.465,0.36,0.125,0.4365,
0.169,0.1075,0.145,11\nF,0.475,0.375,0.14,0.501,0.192,0.1175,0.175,13\nF,0.5,
0.405,0.14,0.6735,0.265,0.124,0.25,18\nM,0.46,0.355,0.11,0.415,0.215,0.082,0.1
3,12\nM,0.485,0.385,0.125,0.4775,0.2,0.0785,0.17,12\nF,0.465,0.39,0.14,0.5555,
0.213,0.1075,0.215,15\nM,0.525,0.415,0.16,0.6445,0.26,0.1575,0.22,12\nF,0.655,
0.53,0.19,1.428,0.493,0.318,0.565,18\nM,0.69,0.54,0.185,1.6195,0.533,0.353,0.5
55,24\nM,0.55,0.45,0.17,0.81,0.317,0.157,0.22,11\nF,0.58,0.475,0.165,1.0385,0.
414,0.26,0.305,13\nF,0.59,0.475,0.155,0.9715,0.371,0.235,0.28,11\nM,0.565,0.4
4,0.155,0.868,0.348,0.217,0.26,11\nF,0.665,0.57,0.185,1.522,0.6965,0.3025,0.40
5,13\nF,0.62,0.51,0.175,1.1255,0.4985,0.227,0.315,14\nM,0.55,0.46,0.13,0.7085,
0.305,0.1455,0.205,12\nF,0.605,0.475,0.145,1.0185,0.4695,0.225,0.27,15\nM,0.53
5,0.42,0.16,0.72,0.275,0.164,0.225,15\nF,0.51,0.395,0.12,0.6175,0.262,0.122,0.
193,12\nM,0.53,0.405,0.13,0.738,0.2845,0.17,0.193,9\nF,0.495,0.375,0.15,0.597,
0.2615,0.135,0.178,11\nM,0.575,0.455,0.185,1.156,0.5525,0.243,0.295,13\nF,0.6
3,0.5,0.16,1.22,0.4905,0.3,0.345,14\nM,0.59,0.45,0.12,0.7485,0.3345,0.1315,0.2
2,14\nF,0.605,0.485,0.165,1.0735,0.437,0.205,0.33,14\nM,0.645,0.5,0.19,1.229,
0.524,0.278,0.395,17\nF,0.62,0.5,0.175,1.146,0.477,0.23,0.39,13\nM,0.605,0.48
5,0.175,1.145,0.4325,0.27,0.405,16\nF,0.615,0.5,0.205,1.1055,0.4445,0.227,0.3
9,16\nF,0.66,0.525,0.19,1.67,0.6525,0.4875,0.49,11\nF,0.71,0.575,0.175,1.555,
0.6465,0.3705,0.52,15\nF,0.565,0.45,0.185,0.9285,0.302,0.1805,0.265,12\nF,0.5
7,0.435,0.14,0.8085,0.3235,0.183,0.22,16\nI,0.6,0.445,0.175,1.057,0.383,0.216,
0.355,16\nI,0.41,0.3,0.115,0.2595,0.097,0.0515,0.08,10\nF,0.45,0.325,0.135,0.4
38,0.1805,0.1165,0.11,9\nM,0.275,0.2,0.08,0.099,0.037,0.024,0.03,5\nI,0.485,0.
355,0.12,0.5085,0.21,0.122,0.135,9\nF,0.62,0.485,0.165,1.166,0.483,0.238,0.35
5,13\nF,0.48,0.38,0.135,0.507,0.1915,0.1365,0.155,12\nF,0.505,0.41,0.15,0.634
5,0.243,0.1335,0.215,17\nM,0.4,0.31,0.11,0.314,0.138,0.057,0.1,11\nI,0.45,0.35
5,0.115,0.4385,0.184,0.108,0.1125,11\nM,0.35,0.26,0.09,0.195,0.0745,0.041,0.06
55,9\nM,0.44,0.35,0.14,0.451,0.171,0.0705,0.184,16\nM,0.265,0.2,0.065,0.084,0.
034,0.0105,0.03,7\nM,0.165,0.125,0.04,0.0245,0.0095,0.0045,0.008,4\nF,0.705,0.
555,0.2,1.4685,0.4715,0.3235,0.52,19\nF,0.535,0.425,0.155,0.7765,0.302,0.1565,
0.25,16\nI,0.49,0.385,0.14,0.5425,0.198,0.127,0.175,11\nF,0.48,0.37,0.13,0.588
5,0.2475,0.1505,0.1595,15\nF,0.395,0.3,0.105,0.3375,0.1435,0.0755,0.098,12\nI,
0.375,0.28,0.1,0.2565,0.1165,0.0585,0.0725,12\nM,0.345,0.265,0.09,0.163,0.061
5,0.037,0.0485,10\nI,0.55,0.415,0.135,0.8095,0.2985,0.2015,0.28,12\nI,0.635,0.
48,0.2,1.3655,0.6255,0.2595,0.425,16\nI,0.575,0.475,0.17,0.967,0.3775,0.284,0.
275,13\nF,0.545,0.435,0.15,0.6855,0.2905,0.145,0.225,10\nF,0.385,0.305,0.125,
0.314,0.146,0.0555,0.08,10\nF,0.51,0.34,0.18,0.7005,0.312,0.165,0.2,11\nI,0.4
4,0.34,0.125,0.4895,0.1735,0.0875,0.2,13\nI,0.45,0.36,0.125,0.45,0.191,0.0865,
0.145,12\nI,0.39,0.3,0.105,0.259,0.0955,0.038,0.085,8\nF,0.425,0.325,0.135,0.3
82,0.1465,0.079,0.14,12\nF,0.45,0.35,0.125,0.4435,0.185,0.09,0.145,11\nI,0.66,
0.525,0.18,1.6935,0.6025,0.4005,0.42,15\nF,0.685,0.525,0.175,1.71,0.5415,0.30
9,0.58,16\nF,0.585,0.475,0.185,0.8575,0.3465,0.1785,0.275,12\nI,0.54,0.435,0.1
45,0.97,0.4285,0.22,0.264,17\nF,0.49,0.39,0.135,0.59,0.215,0.125,0.1845,12\nM,
0.43,0.33,0.095,0.34,0.1315,0.085,0.112,14\nF,0.455,0.365,0.11,0.385,0.166,0.0
46,0.1345,13\nI,0.495,0.38,0.145,0.515,0.175,0.098,0.212,13\nF,0.48,0.38,0.14
5,0.59,0.232,0.141,0.23,12\nI,0.47,0.4,0.16,0.51,0.1615,0.073,0.198,14\nM,0.41
5,0.32,0.1,0.3005,0.1215,0.0575,0.104,11\nI,0.49,0.385,0.115,0.683,0.3265,0.16
15,0.165,13\nI,0.47,0.375,0.105,0.468,0.1665,0.108,0.17,10\nI,0.445,0.345,0.1

3,0.4075,0.1365,0.0645,0.18,11\nF,0.51,0.38,0.13,0.584,0.224,0.1355,0.185,13\n
F,0.52,0.405,0.145,0.829,0.3535,0.1685,0.205,15\nI,0.475,0.365,0.14,0.4545,0.1
71,0.118,0.158,8\nF,0.455,0.36,0.11,0.4385,0.206,0.098,0.125,10\nI,0.435,0.34,
0.11,0.407,0.1685,0.073,0.13,10\nI,0.39,0.3,0.1,0.3085,0.1385,0.0735,0.085,6\n
I,0.375,0.285,0.1,0.239,0.105,0.0555,0.07,8\nM,0.285,0.215,0.075,0.106,0.0415,
0.023,0.035,5\nI,0.58,0.445,0.17,1.178,0.3935,0.2165,0.315,20\nF,0.58,0.44,0.1
75,1.073,0.4005,0.2345,0.335,19\nM,0.41,0.315,0.095,0.306,0.121,0.0735,0.09,9
\nM,0.41,0.3,0.1,0.301,0.124,0.069,0.09,9\nI,0.54,0.405,0.15,0.7585,0.307,0.20
75,0.19,10\nM,0.33,0.245,0.085,0.171,0.0655,0.0365,0.055,11\nI,0.44,0.31,0.11
5,0.3625,0.134,0.082,0.12,11\nM,0.28,0.21,0.065,0.0905,0.035,0.02,0.03,5\nI,0.
59,0.465,0.195,1.0885,0.3685,0.187,0.375,17\nI,0.61,0.48,0.165,1.097,0.4215,0.
264,0.335,13\nI,0.61,0.46,0.17,1.278,0.41,0.257,0.37,17\nM,0.455,0.345,0.125,
0.44,0.169,0.1065,0.135,12\nM,0.33,0.235,0.09,0.163,0.0615,0.034,0.055,10\nI,
0.44,0.33,0.135,0.522,0.17,0.0905,0.195,16\nM,0.54,0.405,0.155,0.9715,0.3225,
0.194,0.29,19\nF,0.475,0.375,0.125,0.588,0.237,0.1715,0.155,10\nF,0.46,0.33,0.
15,0.5325,0.2085,0.1805,0.125,10\nI,0.31,0.235,0.09,0.127,0.048,0.031,0.04,6\n
I,0.255,0.19,0.07,0.0815,0.028,0.016,0.031,5\nM,0.335,0.255,0.075,0.1635,0.061
5,0.0345,0.057,8\nI,0.295,0.21,0.08,0.1,0.038,0.026,0.031,8\nI,0.19,0.13,0.04
5,0.0265,0.009,0.005,0.009,5\nM,0.545,0.435,0.165,0.9955,0.3245,0.2665,0.325,1
9\nM,0.495,0.4,0.12,0.6605,0.2605,0.161,0.19,15\nM,0.5,0.375,0.13,0.721,0.305
5,0.1725,0.22,14\nF,0.305,0.225,0.07,0.1485,0.0585,0.0335,0.045,7\nF,0.475,0.3
5,0.115,0.487,0.194,0.1455,0.125,13\nM,0.515,0.4,0.125,0.955,0.341,0.2535,0.2
6,13\nM,0.545,0.41,0.145,0.873,0.3035,0.196,0.31,18\nM,0.74,0.535,0.185,1.65,
0.734,0.4505,0.335,13\nM,0.565,0.465,0.15,1.1285,0.377,0.3525,0.33,16\nM,0.56,
0.44,0.16,1.1115,0.5035,0.2785,0.26,10\nM,0.545,0.42,0.125,0.9745,0.353,0.174,
0.305,13\nM,0.645,0.515,0.185,1.4605,0.5835,0.3155,0.41,19\nM,0.575,0.435,0.1
3,1.0105,0.368,0.222,0.32,10\nM,0.62,0.48,0.16,1.0765,0.412,0.253,0.3,13\nF,0.
605,0.45,0.165,1.2225,0.357,0.202,0.385,13\nM,0.605,0.475,0.16,1.616,0.5495,0.
332,0.34,18\nF,0.475,0.375,0.15,0.559,0.1955,0.1215,0.1945,12\nM,0.365,0.285,
0.085,0.2205,0.0855,0.0515,0.07,9\nF,0.46,0.35,0.115,0.44,0.19,0.1025,0.13,8\n
M,0.53,0.43,0.135,0.879,0.28,0.2165,0.25,10\nM,0.48,0.395,0.15,0.6815,0.2145,
0.1405,0.2495,18\nM,0.455,0.345,0.15,0.5795,0.1685,0.125,0.215,13\nI,0.35,0.26
5,0.11,0.209,0.066,0.059,0.075,9\nM,0.37,0.28,0.105,0.224,0.0815,0.0575,0.075,
8\nI,0.34,0.25,0.075,0.1765,0.0785,0.0405,0.05,7\nI,0.35,0.28,0.075,0.196,0.08
2,0.04,0.064,8\nI,0.35,0.265,0.08,0.192,0.081,0.0465,0.053,6\nI,0.39,0.315,0.0
9,0.3095,0.147,0.05,0.09,7\nI,0.395,0.31,0.095,0.313,0.131,0.072,0.093,7\nI,0.
415,0.31,0.105,0.3595,0.167,0.083,0.0915,6\nI,0.43,0.32,0.1,0.3855,0.192,0.074
5,0.1,7\nI,0.48,0.355,0.115,0.5785,0.25,0.106,0.184,8\nM,0.49,0.395,0.12,0.67
4,0.3325,0.1235,0.185,9\nF,0.49,0.37,0.105,0.5265,0.249,0.1005,0.148,7\nF,0.5
6,0.465,0.16,1.0315,0.432,0.2025,0.337,9\nM,0.56,0.45,0.14,0.9,0.472,0.182,0.2
18,7\nM,0.58,0.46,0.15,1.0165,0.491,0.221,0.265,9\nF,0.58,0.48,0.18,1.2495,0.4
945,0.27,0.371,8\nM,0.59,0.47,0.135,1.1685,0.539,0.279,0.28,8\nF,0.595,0.475,
0.165,1.148,0.444,0.214,0.37,10\nM,0.6,0.475,0.15,1.089,0.5195,0.223,0.292,11
\nM,0.61,0.47,0.155,1.0325,0.497,0.2175,0.2785,9\nF,0.63,0.475,0.15,1.172,0.53
6,0.254,0.316,11\nM,0.64,0.51,0.17,1.3715,0.567,0.307,0.409,10\nF,0.65,0.545,
0.185,1.5055,0.6565,0.341,0.43,10\nM,0.71,0.55,0.2,1.9045,0.882,0.44,0.5,13\n
M,0.74,0.605,0.2,2.4925,1.1455,0.575,0.5235,13\nI,0.25,0.18,0.065,0.0805,0.034
5,0.0185,0.0215,4\nI,0.28,0.21,0.065,0.111,0.0425,0.0285,0.03,6\nI,0.325,0.24,
0.075,0.152,0.065,0.0305,0.045,6\nI,0.35,0.265,0.095,0.199,0.073,0.049,0.06,5
\nI,0.36,0.27,0.09,0.219,0.097,0.0405,0.065,6\nI,0.365,0.27,0.105,0.2155,0.091
5,0.0475,0.063,6\nI,0.37,0.28,0.09,0.2565,0.1255,0.0645,0.0645,6\nI,0.375,0.28
5,0.09,0.257,0.1045,0.062,0.075,7\nI,0.38,0.275,0.095,0.2505,0.0945,0.0655,0.0
75,6\nI,0.395,0.3,0.09,0.279,0.134,0.049,0.075,8\nI,0.43,0.335,0.105,0.378,0.1
88,0.0785,0.09,6\nI,0.44,0.35,0.125,0.456,0.21,0.0955,0.131,8\nI,0.465,0.37,0.
1,0.5055,0.234,0.11,0.14,7\nF,0.465,0.355,0.115,0.4705,0.1955,0.118,0.126,7\n
M,0.48,0.37,0.13,0.643,0.349,0.1155,0.135,8\nI,0.485,0.37,0.1,0.513,0.219,0.10
75,0.13,7\nF,0.49,0.4,0.115,0.569,0.256,0.1325,0.145,9\nI,0.495,0.4,0.145,0.57
8,0.2545,0.1305,0.1645,8\nI,0.5,0.385,0.11,0.596,0.3015,0.104,0.151,8\nF,0.50
5,0.39,0.12,0.5725,0.2555,0.1325,0.146,8\nM,0.52,0.39,0.12,0.6435,0.2885,0.15
7,0.161,7\nM,0.52,0.395,0.125,0.8115,0.4035,0.166,0.2,7\nF,0.525,0.44,0.125,0.
7115,0.3205,0.159,0.1915,7\nM,0.55,0.44,0.155,0.9155,0.3645,0.195,0.25,8\nF,0.
555,0.44,0.145,0.8815,0.43,0.1975,0.2155,8\nF,0.555,0.42,0.11,0.931,0.4445,0.1
71,0.225,8\nF,0.575,0.46,0.165,1.065,0.4985,0.2145,0.2815,8\nM,0.6,0.475,0.15
5,1.1385,0.502,0.2295,0.31,9\nF,0.61,0.48,0.16,1.234,0.598,0.238,0.315,12\nF,
0.61,0.495,0.175,1.2635,0.53,0.315,0.3455,10\nF,0.61,0.47,0.16,1.0745,0.4925,
0.236,0.29,8\nM,0.615,0.505,0.19,1.403,0.6715,0.2925,0.365,8\nM,0.62,0.485,0.1
65,1.1325,0.5235,0.2505,0.2825,9\nF,0.625,0.495,0.16,1.1115,0.4495,0.2825,0.34
5,11\nF,0.625,0.47,0.17,1.255,0.525,0.2415,0.405,10\nM,0.625,0.485,0.17,1.437,
0.5855,0.293,0.475,11\nM,0.635,0.495,0.155,1.3635,0.583,0.2985,0.295,10\nF,0.6

4,0.48,0.195,1.1435,0.4915,0.2345,0.353,9\nM,0.64,0.5,0.17,1.4545,0.642,0.357
5,0.354,9\nM,0.66,0.525,0.18,1.478,0.5815,0.381,0.372,10\nF,0.665,0.52,0.165,
1.6885,0.7295,0.407,0.4265,11\nF,0.715,0.585,0.23,2.0725,0.8655,0.4095,0.565,1
0\nM,0.72,0.565,0.2,1.787,0.718,0.385,0.529,11\nF,0.725,0.58,0.185,1.523,0.804
5,0.3595,0.4375,9\nI,0.165,0.12,0.05,0.021,0.0075,0.0045,0.014,3\nI,0.21,0.15,
0.055,0.0455,0.02,0.0065,0.013,4\nI,0.355,0.265,0.085,0.2435,0.122,0.0525,0.0
6,6\nI,0.4,0.315,0.085,0.2675,0.116,0.0585,0.0765,6\nI,0.4,0.29,0.1,0.258,0.10
4,0.059,0.0815,7\nI,0.4,0.3,0.11,0.2985,0.1375,0.071,0.075,6\nI,0.435,0.335,0.
11,0.411,0.2025,0.0945,0.1,7\nI,0.44,0.33,0.11,0.38,0.197,0.079,0.09,7\nI,0.4
5,0.34,0.105,0.4385,0.21,0.0925,0.12,8\nI,0.465,0.345,0.105,0.4015,0.242,0.034
5,0.109,6\nI,0.47,0.355,0.145,0.4485,0.156,0.102,0.123,7\nI,0.47,0.355,0.115,
0.4155,0.167,0.084,0.139,7\nI,0.475,0.42,0.16,0.7095,0.35,0.1505,0.1845,8\nI,
0.485,0.37,0.115,0.637,0.38,0.1335,0.128,7\nF,0.505,0.475,0.16,1.1155,0.509,0.
239,0.3065,8\nI,0.51,0.405,0.13,0.599,0.3065,0.1155,0.1485,8\nI,0.52,0.38,0.1
3,0.5345,0.2375,0.122,0.1535,8\nF,0.53,0.42,0.14,0.627,0.2905,0.1165,0.183,8\n
M,0.535,0.42,0.16,0.7465,0.348,0.1515,0.2185,10\nM,0.55,0.44,0.16,0.985,0.464
5,0.201,0.27,8\nM,0.555,0.44,0.145,0.85,0.4165,0.1685,0.23,8\nM,0.555,0.44,0.1
5,0.838,0.4155,0.146,0.23,8\nF,0.555,0.43,0.135,0.812,0.4055,0.163,0.2215,9\n
M,0.56,0.415,0.13,0.7615,0.3695,0.17,0.1955,8\nM,0.575,0.44,0.145,0.87,0.3945,
0.2195,0.225,8\nF,0.585,0.45,0.145,0.9835,0.4845,0.242,0.22,9\nM,0.59,0.46,0.1
45,0.929,0.38,0.24,0.255,10\nF,0.595,0.47,0.165,1.0155,0.491,0.1905,0.289,9\n
M,0.6,0.41,0.145,0.939,0.4475,0.196,0.268,8\nM,0.6,0.475,0.16,1.164,0.5045,0.2
635,0.335,12\nM,0.61,0.47,0.175,1.214,0.5315,0.2835,0.325,10\nF,0.615,0.49,0.1
9,1.1345,0.4695,0.257,0.348,11\nF,0.62,0.51,0.18,1.233,0.592,0.274,0.322,10\n
M,0.625,0.495,0.18,1.0815,0.4715,0.254,0.3135,10\nM,0.625,0.47,0.175,1.179,0.6
05,0.258,0.271,9\nF,0.64,0.5,0.165,1.1635,0.554,0.239,0.32,11\nF,0.64,0.475,0.
175,1.1545,0.4865,0.341,0.288,9\nF,0.645,0.52,0.175,1.3345,0.667,0.2665,0.355,
10\nM,0.65,0.505,0.18,1.469,0.7115,0.3335,0.38,9\nM,0.655,0.52,0.18,1.492,0.71
85,0.36,0.355,11\nF,0.655,0.54,0.175,1.5585,0.7285,0.402,0.385,11\nF,0.66,0.5,
0.175,1.3275,0.556,0.2805,0.4085,9\nM,0.67,0.525,0.18,1.6615,0.8005,0.3645,0.4
3,10\nF,0.69,0.525,0.19,1.492,0.6425,0.3905,0.42,12\nF,0.7,0.575,0.2,1.7365,0.
7755,0.3965,0.461,11\nF,0.7,0.56,0.175,1.6605,0.8605,0.3275,0.398,11\nM,0.71,
0.57,0.195,1.348,0.8985,0.4435,0.4535,11\nM,0.715,0.545,0.18,1.7405,0.871,0.34
7,0.449,10\nF,0.72,0.545,0.185,1.7185,0.7925,0.401,0.468,11\nI,0.215,0.15,0.05
5,0.041,0.015,0.009,0.0125,3\nI,0.24,0.185,0.06,0.0655,0.0295,0.0005,0.02,4\n
I,0.26,0.205,0.07,0.097,0.0415,0.019,0.0305,4\nI,0.32,0.24,0.085,0.131,0.0615,
0.0265,0.038,6\nI,0.33,0.23,0.085,0.1695,0.079,0.026,0.0505,6\nI,0.335,0.26,0.
085,0.192,0.097,0.03,0.054,6\nI,0.35,0.26,0.09,0.1765,0.072,0.0355,0.0575,7\n
I,0.35,0.265,0.085,0.1735,0.0775,0.034,0.056,6\nI,0.36,0.265,0.075,0.1785,0.07
85,0.035,0.054,6\nI,0.36,0.265,0.09,0.2055,0.096,0.037,0.0585,7\nI,0.365,0.27
5,0.09,0.2345,0.108,0.051,0.0625,7\nI,0.38,0.285,0.09,0.2305,0.1005,0.039,0.07
75,7\nI,0.4,0.31,0.115,0.314,0.1545,0.0595,0.087,6\nI,0.4,0.315,0.09,0.33,0.15
1,0.068,0.08,6\nI,0.4,0.265,0.1,0.2775,0.1245,0.0605,0.08,9\nI,0.425,0.325,0.1
1,0.405,0.1695,0.092,0.1065,8\nI,0.43,0.325,0.105,0.309,0.119,0.08,0.098,6\nM,
0.435,0.335,0.11,0.4385,0.2075,0.0715,0.1315,7\nI,0.435,0.34,0.12,0.396,0.177
5,0.081,0.125,8\nI,0.445,0.355,0.095,0.3615,0.1415,0.0785,0.12,8\nI,0.45,0.35,
0.11,0.514,0.253,0.1045,0.14,8\nI,0.455,0.435,0.11,0.4265,0.195,0.09,0.1205,8
\nI,0.46,0.34,0.09,0.384,0.1795,0.068,0.11,8\nI,0.475,0.355,0.125,0.4865,0.215
5,0.1105,0.142,9\nI,0.475,0.36,0.135,0.4355,0.196,0.0925,0.125,8\nI,0.475,0.3
5,0.115,0.498,0.2375,0.099,0.14,7\nI,0.48,0.355,0.125,0.494,0.2385,0.0835,0.1
5,9\nF,0.495,0.37,0.12,0.594,0.28,0.11,0.1375,7\nI,0.5,0.365,0.125,0.528,0.22
9,0.103,0.1645,9\nM,0.505,0.39,0.115,0.5585,0.2575,0.119,0.1535,8\nI,0.515,0.
4,0.135,0.636,0.3055,0.1215,0.1855,9\nI,0.525,0.39,0.105,0.567,0.2875,0.1075,
0.16,8\nI,0.53,0.405,0.13,0.6615,0.2945,0.1395,0.19,9\nI,0.53,0.42,0.13,0.658,
0.296,0.1245,0.198,8\nM,0.535,0.415,0.135,0.78,0.3165,0.169,0.2365,8\nI,0.535,
0.41,0.13,0.6075,0.268,0.1225,0.1975,9\nI,0.54,0.41,0.135,0.7025,0.31,0.177,0.
2,8\nI,0.55,0.425,0.155,0.8725,0.412,0.187,0.2425,10\nF,0.565,0.45,0.175,1.236
5,0.5305,0.2455,0.308,10\nM,0.57,0.47,0.155,1.186,0.6355,0.2315,0.277,10\nI,0.
57,0.42,0.13,0.7745,0.3535,0.1505,0.2365,9\nF,0.57,0.42,0.16,0.8875,0.4315,0.1
915,0.223,8\nI,0.575,0.455,0.155,0.8725,0.349,0.2095,0.285,8\nI,0.575,0.44,0.1
25,0.8515,0.4555,0.1715,0.1965,9\nF,0.575,0.475,0.16,0.895,0.3605,0.221,0.271,
9\nM,0.575,0.45,0.155,0.886,0.3605,0.211,0.2575,9\nI,0.58,0.46,0.14,0.9265,0.4
135,0.1845,0.27,10\nI,0.58,0.46,0.14,0.8295,0.3915,0.165,0.238,10\nI,0.58,0.4
7,0.15,0.907,0.444,0.1855,0.2445,11\nM,0.58,0.47,0.165,1.041,0.54,0.166,0.279,
9\nF,0.585,0.465,0.165,0.9355,0.4035,0.2275,0.259,9\nF,0.585,0.46,0.165,1.058,
0.486,0.25,0.294,9\nF,0.595,0.465,0.145,0.7955,0.3425,0.1795,0.2425,10\nF,0.6,
0.47,0.17,1.0805,0.4995,0.2245,0.3205,9\nM,0.6,0.47,0.15,0.928,0.4225,0.183,0.
275,8\nF,0.6,0.475,0.155,1.059,0.441,0.19,0.39,11\nM,0.6,0.475,0.23,1.157,0.52
2,0.2235,0.36,11\nF,0.6,0.475,0.17,1.088,0.4905,0.2475,0.31,10\nF,0.6,0.485,0.

145,0.776,0.3545,0.1585,0.239,9\nF,0.62,0.48,0.165,1.043,0.4835,0.221,0.31,10
\nM,0.625,0.48,0.16,1.1415,0.5795,0.2145,0.29,9\nF,0.625,0.475,0.16,1.3335,0.6
05,0.2875,0.319,10\nF,0.625,0.5,0.175,1.273,0.564,0.302,0.374,9\nM,0.625,0.49,
0.165,1.1835,0.517,0.2375,0.39,11\nM,0.625,0.485,0.16,1.2135,0.631,0.2235,0.30
2,9\nI,0.63,0.465,0.15,1.0315,0.4265,0.24,0.325,11\nM,0.635,0.495,0.17,1.3695,
0.657,0.3055,0.365,10\nM,0.65,0.515,0.185,1.3745,0.75,0.1805,0.369,12\nM,0.65,
0.515,0.18,1.463,0.658,0.3135,0.4115,11\nF,0.65,0.52,0.195,1.6275,0.689,0.390
5,0.432,11\nF,0.65,0.475,0.165,1.3875,0.58,0.3485,0.3095,9\nM,0.655,0.525,0.1
6,1.46,0.686,0.311,0.405,11\nF,0.655,0.53,0.165,1.2835,0.583,0.1255,0.4,8\nF,
0.66,0.5,0.155,1.3765,0.6485,0.288,0.335,12\nM,0.66,0.515,0.2,1.6465,0.749,0.4
22,0.401,11\nM,0.675,0.515,0.145,1.265,0.6025,0.299,0.325,10\nM,0.685,0.53,0.1
7,1.56,0.647,0.383,0.465,11\nM,0.715,0.52,0.18,1.6,0.708,0.3525,0.445,12\nM,0.
735,0.555,0.22,2.333,1.2395,0.3645,0.6195,12\nI,0.175,0.125,0.04,0.028,0.0095,
0.008,0.009,4\nI,0.37,0.285,0.095,0.226,0.1135,0.0515,0.0675,8\nI,0.395,0.3,0.
09,0.2855,0.1385,0.0625,0.077,5\nI,0.42,0.325,0.11,0.325,0.1245,0.0755,0.1025,
7\nI,0.455,0.37,0.11,0.514,0.2385,0.1235,0.126,8\nI,0.495,0.375,0.115,0.5755,
0.31,0.1145,0.1395,8\nF,0.51,0.375,0.11,0.5805,0.2865,0.118,0.148,7\nM,0.515,
0.39,0.14,0.678,0.341,0.1325,0.119,8\nM,0.545,0.43,0.155,0.8035,0.409,0.144,0.
228,7\nF,0.555,0.405,0.12,0.913,0.4585,0.196,0.2065,9\nM,0.58,0.45,0.16,0.867
5,0.3935,0.221,0.215,9\nF,0.59,0.465,0.17,1.0425,0.4635,0.24,0.27,10\nM,0.6,0.
46,0.18,1.14,0.423,0.2575,0.365,10\nF,0.61,0.49,0.17,1.3475,0.7045,0.25,0.304
5,11\nM,0.615,0.475,0.155,1.0735,0.4375,0.2585,0.31,11\nM,0.615,0.475,0.19,1.4
335,0.7315,0.305,0.3285,9\nM,0.615,0.495,0.2,1.304,0.5795,0.3115,0.371,14\nM,
0.62,0.46,0.16,0.9505,0.4915,0.2,0.228,9\nM,0.63,0.515,0.17,1.385,0.6355,0.295
5,0.38,11\nF,0.64,0.5,0.17,1.12,0.4955,0.2645,0.32,12\nF,0.64,0.5,0.17,1.2645,
0.565,0.3375,0.315,9\nF,0.655,0.455,0.17,1.275,0.583,0.303,0.333,8\nM,0.655,0.
505,0.165,1.27,0.6035,0.262,0.335,10\nM,0.66,0.53,0.175,1.583,0.7395,0.3505,0.
405,10\nF,0.665,0.5,0.175,1.4355,0.643,0.345,0.37,9\nF,0.67,0.525,0.195,1.42,
0.573,0.368,0.3905,10\nM,0.69,0.53,0.19,1.5955,0.678,0.331,0.48,10\nM,0.715,0.
525,0.2,1.89,0.95,0.436,0.4305,10\nF,0.735,0.565,0.225,2.037,0.87,0.5145,0.567
5,13\nI,0.27,0.205,0.05,0.084,0.03,0.0185,0.029,6\nI,0.285,0.225,0.07,0.1005,
0.0425,0.0185,0.035,7\nI,0.295,0.22,0.085,0.1285,0.0585,0.027,0.0365,5\nI,0.3,
0.225,0.075,0.1345,0.057,0.028,0.044,5\nI,0.3,0.22,0.065,0.1195,0.052,0.0155,
0.035,5\nI,0.36,0.265,0.085,0.1895,0.0725,0.0515,0.055,6\nI,0.37,0.275,0.095,
0.257,0.1015,0.055,0.0825,6\nI,0.39,0.29,0.09,0.2745,0.135,0.0455,0.078,8\nI,
0.435,0.325,0.1,0.342,0.1335,0.0835,0.105,6\nI,0.44,0.34,0.105,0.344,0.123,0.0
81,0.125,8\nI,0.44,0.32,0.095,0.3275,0.1495,0.059,0.1,8\nI,0.445,0.345,0.12,0.
4035,0.169,0.0825,0.13,7\nI,0.465,0.37,0.115,0.4075,0.1515,0.0935,0.1455,9\nI,
0.465,0.355,0.12,0.4975,0.2375,0.099,0.14,8\nI,0.47,0.345,0.12,0.3685,0.1525,
0.0615,0.125,8\nI,0.475,0.365,0.105,0.4175,0.1645,0.099,0.127,7\nI,0.475,0.33
5,0.1,0.4425,0.1895,0.086,0.135,9\nI,0.475,0.35,0.125,0.4225,0.1905,0.079,0.13
55,9\nI,0.485,0.365,0.125,0.426,0.163,0.0965,0.151,8\nI,0.49,0.39,0.12,0.511,
0.2205,0.103,0.1745,9\nI,0.515,0.405,0.13,0.573,0.213,0.134,0.195,9\nI,0.52,0.
415,0.14,0.6385,0.2945,0.1405,0.171,8\nI,0.525,0.405,0.125,0.657,0.2985,0.150
5,0.168,10\nF,0.525,0.425,0.14,0.8735,0.4205,0.182,0.2225,10\nI,0.53,0.425,0.1
3,0.781,0.3905,0.2005,0.215,9\nI,0.53,0.42,0.14,0.6765,0.256,0.1855,0.208,9\n
M,0.53,0.41,0.125,0.769,0.346,0.173,0.215,9\nI,0.53,0.395,0.125,0.6235,0.2975,
0.108,0.195,11\nM,0.535,0.405,0.14,0.7315,0.336,0.156,0.19,7\nI,0.535,0.45,0.1
55,0.8075,0.3655,0.148,0.2595,10\nM,0.545,0.41,0.14,0.737,0.349,0.15,0.212,9\n
F,0.545,0.41,0.125,0.654,0.2945,0.1315,0.205,10\nI,0.55,0.415,0.15,0.7915,0.35
35,0.176,0.236,10\nI,0.55,0.45,0.14,0.753,0.3445,0.1325,0.24,8\nI,0.55,0.4,0.1
35,0.717,0.3315,0.1495,0.221,9\nI,0.555,0.43,0.15,0.783,0.345,0.1755,0.247,9\n
I,0.575,0.45,0.145,0.872,0.4675,0.18,0.217,9\nI,0.575,0.44,0.15,0.983,0.486,0.
215,0.239,8\nF,0.585,0.42,0.155,1.034,0.437,0.2225,0.32,11\nF,0.585,0.465,0.14
5,0.9855,0.4325,0.2145,0.2845,10\nI,0.585,0.46,0.14,0.7635,0.326,0.153,0.265,9
\nM,0.59,0.465,0.135,0.9895,0.4235,0.199,0.28,8\nI,0.595,0.47,0.135,0.9365,0.4
34,0.184,0.287,10\nF,0.595,0.44,0.135,0.964,0.5005,0.1715,0.2575,10\nF,0.595,
0.46,0.155,1.0455,0.4565,0.24,0.3085,10\nF,0.595,0.45,0.165,1.081,0.49,0.2525,
0.279,12\nM,0.6,0.47,0.16,1.012,0.441,0.2015,0.305,10\nF,0.6,0.5,0.16,1.122,0.
5095,0.256,0.309,10\nM,0.605,0.49,0.165,1.1245,0.492,0.222,0.3555,11\nF,0.605,
0.49,0.15,1.1345,0.4305,0.2525,0.35,10\nM,0.61,0.45,0.19,1.0805,0.517,0.2495,
0.2935,10\nF,0.61,0.495,0.165,1.0835,0.4525,0.273,0.317,9\nM,0.615,0.47,0.175,
1.242,0.5675,0.287,0.317,11\nM,0.62,0.5,0.18,1.3915,0.726,0.2795,0.332,11\nM,
0.62,0.525,0.155,1.085,0.454,0.1965,0.35,10\nI,0.62,0.47,0.155,0.966,0.447,0.1
71,0.284,11\nM,0.62,0.48,0.165,1.0855,0.481,0.2575,0.305,10\nF,0.625,0.485,0.1
35,1.3025,0.61,0.2675,0.3605,14\nI,0.625,0.485,0.16,1.15,0.5255,0.257,0.3315,1
1\nI,0.63,0.49,0.17,1.217,0.5515,0.212,0.31,11\nF,0.63,0.505,0.195,1.306,0.51
6,0.3305,0.375,9\nM,0.64,0.5,0.175,1.273,0.5065,0.2925,0.405,13\nM,0.645,0.51,
0.19,1.4865,0.6445,0.296,0.425,12\nM,0.65,0.52,0.17,1.3655,0.6155,0.2885,0.36,

11\nM,0.65,0.495,0.17,1.276,0.6215,0.2305,0.399,11\nM,0.65,0.495,0.16,1.2075,
0.55,0.2695,0.32,10\nF,0.65,0.52,0.195,1.281,0.5985,0.246,0.3825,10\nM,0.65,0.
525,0.205,1.4275,0.69,0.306,0.4355,13\nM,0.65,0.51,0.175,1.155,0.4955,0.2025,
0.385,12\nF,0.65,0.51,0.175,1.35,0.575,0.3155,0.3885,10\nM,0.65,0.525,0.19,1.3
685,0.5975,0.296,0.4,11\nF,0.66,0.53,0.17,1.431,0.622,0.309,0.398,10\nM,0.66,
0.51,0.18,1.261,0.5,0.2335,0.339,10\nF,0.665,0.54,0.195,1.764,0.8505,0.3615,0.
47,11\nF,0.67,0.51,0.155,1.278,0.5605,0.3045,0.358,11\nM,0.67,0.54,0.195,1.21
7,0.532,0.2735,0.3315,11\nF,0.67,0.54,0.2,1.46,0.6435,0.328,0.4165,9\nF,0.675,
0.535,0.185,1.5575,0.7035,0.402,0.4,11\nM,0.675,0.51,0.17,1.527,0.809,0.318,0.
341,11\nF,0.675,0.53,0.195,1.4985,0.62,0.375,0.425,9\nM,0.685,0.55,0.19,1.885,
0.89,0.41,0.4895,10\nM,0.685,0.535,0.175,1.432,0.637,0.247,0.46,11\nM,0.705,0.
55,0.21,1.4385,0.655,0.3255,0.462,11\nF,0.705,0.53,0.17,1.564,0.612,0.394,0.4
4,10\nM,0.71,0.555,0.175,2.14,1.2455,0.3725,0.434,11\nF,0.725,0.56,0.185,1.79
2,0.873,0.367,0.435,11\nM,0.78,0.6,0.21,2.548,1.1945,0.5745,0.6745,11\nI,0.23
5,0.13,0.075,0.1585,0.0685,0.037,0.0465,5\nI,0.35,0.25,0.1,0.4015,0.1725,0.06
3,0.1255,7\nI,0.36,0.25,0.115,0.465,0.21,0.1055,0.128,7\nI,0.38,0.28,0.095,0.2
885,0.165,0.0435,0.067,7\nF,0.38,0.32,0.115,0.6475,0.323,0.1325,0.164,7\nM,0.4
3,0.31,0.13,0.6485,0.2735,0.163,0.184,9\nI,0.465,0.36,0.105,0.452,0.22,0.159,
0.1035,9\nI,0.47,0.355,0.12,0.4915,0.1765,0.1125,0.1325,9\nF,0.485,0.365,0.15,
0.9145,0.4145,0.199,0.273,7\nM,0.495,0.375,0.155,0.976,0.45,0.2285,0.2475,9\n
I,0.5,0.395,0.145,0.7865,0.332,0.1815,0.2455,8\nM,0.505,0.4,0.15,0.775,0.3445,
0.157,0.185,7\nI,0.51,0.375,0.15,0.8415,0.3845,0.156,0.255,10\nM,0.51,0.38,0.1
35,0.681,0.3435,0.142,0.17,9\nM,0.515,0.37,0.115,0.6145,0.3415,0.155,0.146,9\n
F,0.55,0.415,0.18,1.1655,0.502,0.301,0.311,9\nF,0.575,0.42,0.19,1.764,0.914,0.
377,0.4095,10\nM,0.605,0.455,0.16,1.1215,0.533,0.273,0.271,10\nM,0.615,0.505,
0.165,1.167,0.4895,0.2955,0.345,10\nM,0.615,0.475,0.15,1.0375,0.476,0.2325,0.2
83,9\nM,0.625,0.48,0.18,1.223,0.565,0.2975,0.3375,10\nM,0.625,0.47,0.15,1.124,
0.556,0.2315,0.287,9\nF,0.635,0.505,0.17,1.2635,0.512,0.322,0.355,9\nF,0.65,0.
525,0.165,1.238,0.647,0.2485,0.3005,9\nF,0.65,0.5,0.17,1.4045,0.694,0.318,0.32
35,11\nF,0.67,0.525,0.195,1.37,0.6065,0.2955,0.407,12\nF,0.695,0.525,0.205,1.8
185,0.819,0.4025,0.4525,13\nF,0.705,0.555,0.195,1.7525,0.7105,0.4215,0.516,12
\nI,0.275,0.205,0.065,0.101,0.041,0.021,0.034,5\nI,0.285,0.205,0.07,0.106,0.03
9,0.0285,0.034,5\nI,0.36,0.265,0.085,0.1865,0.0675,0.037,0.0615,7\nI,0.385,0.2
9,0.1,0.2575,0.1,0.061,0.086,6\nI,0.4,0.315,0.1,0.3225,0.143,0.0735,0.091,6\n
I,0.43,0.33,0.095,0.32,0.118,0.065,0.123,7\nI,0.435,0.375,0.11,0.4155,0.17,0.0
76,0.145,8\nI,0.45,0.335,0.115,0.3935,0.195,0.071,0.11,7\nI,0.475,0.355,0.135,
0.4775,0.2145,0.09,0.1435,8\nI,0.475,0.36,0.11,0.452,0.191,0.099,0.13,8\nI,0.4
85,0.37,0.14,0.5065,0.2425,0.088,0.1465,8\nI,0.51,0.395,0.105,0.5525,0.234,0.1
27,0.165,8\nI,0.515,0.39,0.12,0.565,0.235,0.135,0.179,9\nI,0.52,0.41,0.14,0.69
9,0.3395,0.129,0.1945,10\nI,0.525,0.4,0.14,0.6055,0.2605,0.108,0.21,9\nM,0.53,
0.425,0.155,0.7905,0.307,0.171,0.2595,9\nM,0.53,0.425,0.13,0.702,0.2975,0.139
5,0.22,9\nM,0.53,0.42,0.135,0.675,0.294,0.156,0.1825,10\nI,0.53,0.395,0.115,0.
475,0.2025,0.101,0.148,8\nI,0.53,0.41,0.15,0.612,0.2435,0.1525,0.1895,11\nI,0.
535,0.4,0.145,0.705,0.3065,0.1365,0.22,10\nI,0.535,0.45,0.135,0.728,0.2845,0.1
845,0.265,9\nF,0.555,0.44,0.14,0.846,0.346,0.1715,0.2735,10\nM,0.555,0.46,0.1
6,0.86,0.3345,0.1935,0.275,10\nM,0.56,0.465,0.145,0.8875,0.3345,0.22,0.2695,9
\nF,0.56,0.43,0.145,0.898,0.3895,0.2325,0.245,9\nI,0.565,0.43,0.125,0.6545,0.2
815,0.139,0.21,9\nI,0.575,0.45,0.145,0.795,0.364,0.1505,0.26,10\nM,0.575,0.46
5,0.12,1.0535,0.516,0.2185,0.235,9\nF,0.575,0.46,0.15,0.927,0.333,0.207,0.298
5,9\nI,0.58,0.42,0.14,0.701,0.3285,0.102,0.2255,9\nM,0.58,0.45,0.155,0.8275,0.
321,0.1975,0.2445,8\nF,0.585,0.42,0.155,0.9845,0.442,0.2155,0.2875,13\nM,0.58
5,0.47,0.145,0.9565,0.4025,0.2365,0.265,9\nI,0.59,0.45,0.125,0.86,0.437,0.151
5,0.245,9\nM,0.595,0.48,0.185,1.1785,0.526,0.2975,0.314,10\nM,0.615,0.48,0.18
5,1.2205,0.4985,0.315,0.33,10\nM,0.615,0.455,0.13,0.9685,0.49,0.182,0.2655,10
\nF,0.62,0.5,0.175,1.107,0.4895,0.24,0.343,11\nI,0.62,0.48,0.18,1.1305,0.5285,
0.2655,0.306,12\nM,0.62,0.48,0.155,1.2555,0.527,0.374,0.3175,11\nM,0.625,0.49
5,0.155,1.177,0.5055,0.278,0.345,9\nM,0.625,0.5,0.185,1.2425,0.5995,0.248,0.33
5,10\nM,0.63,0.49,0.16,1.09,0.407,0.224,0.354,12\nF,0.63,0.475,0.15,1.072,0.43
3,0.2975,0.315,8\nF,0.645,0.51,0.155,1.129,0.5015,0.24,0.342,10\nF,0.65,0.505,
0.175,1.2075,0.5105,0.262,0.39,10\nF,0.65,0.495,0.175,1.227,0.528,0.258,0.37,1
1\nF,0.655,0.52,0.175,1.472,0.6275,0.27,0.45,13\nF,0.665,0.525,0.18,1.5785,0.6
78,0.229,0.456,14\nM,0.67,0.52,0.175,1.4755,0.6275,0.379,0.374,10\nM,0.675,0.5
4,0.175,1.5545,0.6645,0.278,0.512,12\nF,0.675,0.54,0.21,1.593,0.686,0.318,0.4
5,11\nM,0.695,0.58,0.2,1.8995,0.675,0.478,0.5295,13\nF,0.695,0.535,0.175,1.36
1,0.5465,0.2815,0.465,10\nF,0.705,0.56,0.17,1.4575,0.607,0.318,0.44,11\nM,0.7
4,0.58,0.205,2.381,0.8155,0.4695,0.488,12\nI,0.205,0.155,0.045,0.0495,0.0235,
0.011,0.014,3\nI,0.305,0.23,0.075,0.1455,0.0595,0.0305,0.05,6\nI,0.32,0.23,0.0
6,0.129,0.0615,0.0275,0.0355,7\nI,0.355,0.27,0.1,0.2255,0.11,0.042,0.064,7\nM,
0.425,0.305,0.11,0.359,0.173,0.0875,0.0975,9\nI,0.425,0.31,0.095,0.3505,0.164

5,0.071,0.1,8\nF,0.45,0.365,0.115,0.5885,0.318,0.121,0.1325,8\nM,0.515,0.385,
0.13,0.623,0.2855,0.1285,0.175,10\nF,0.52,0.375,0.135,0.5375,0.221,0.117,0.17,
8\nI,0.525,0.4,0.125,0.5655,0.2435,0.119,0.175,8\nM,0.555,0.445,0.13,0.8625,0.
4225,0.155,0.24,9\nF,0.61,0.49,0.17,1.137,0.4605,0.2825,0.344,12\nI,0.35,0.26,
0.095,0.221,0.0985,0.043,0.07,8\nI,0.38,0.275,0.095,0.2425,0.106,0.0485,0.21,6
\nI,0.46,0.34,0.1,0.386,0.1805,0.0875,0.0965,8\nM,0.465,0.355,0.12,0.5315,0.27
25,0.097,0.1395,8\nM,0.475,0.385,0.12,0.562,0.289,0.0905,0.153,8\nM,0.565,0.44
5,0.14,0.836,0.406,0.1605,0.2245,9\nM,0.57,0.45,0.14,0.9275,0.477,0.1605,0.251
5,8\nM,0.57,0.44,0.145,0.8815,0.3605,0.1955,0.2735,10\nM,0.595,0.46,0.155,1.0
3,0.4275,0.207,0.3305,10\nF,0.605,0.48,0.175,1.1685,0.4815,0.2305,0.356,9\nF,
0.615,0.455,0.135,1.059,0.4735,0.263,0.274,9\nM,0.62,0.46,0.17,1.127,0.535,0.2
635,0.296,7\nM,0.625,0.47,0.17,1.1665,0.4605,0.2565,0.3945,11\nF,0.68,0.52,0.1
85,1.541,0.5985,0.395,0.4575,10\nM,0.68,0.54,0.195,1.7825,0.5565,0.3235,0.428
5,11\nM,0.68,0.52,0.175,1.543,0.7525,0.351,0.374,11\nF,0.71,0.555,0.17,1.47,0.
5375,0.38,0.431,12\nM,0.5,0.385,0.12,0.6335,0.2305,0.125,0.235,14\nF,0.545,0.4
2,0.175,0.754,0.256,0.1775,0.275,10\nF,0.46,0.365,0.115,0.4485,0.165,0.083,0.1
7,14\nM,0.535,0.41,0.15,0.8105,0.345,0.187,0.24,11\nM,0.335,0.26,0.075,0.22,0.
0855,0.04,0.085,6\nF,0.425,0.35,0.1,0.4425,0.175,0.0755,0.175,7\nM,0.41,0.325,
0.1,0.3555,0.146,0.072,0.105,9\nI,0.17,0.105,0.035,0.034,0.012,0.0085,0.005,4
\nI,0.335,0.25,0.095,0.185,0.0795,0.0495,0.055,8\nM,0.52,0.425,0.125,0.79,0.37
2,0.205,0.19,8\nF,0.53,0.41,0.145,0.8255,0.375,0.204,0.245,9\nM,0.5,0.42,0.12
5,0.62,0.255,0.15,0.205,11\nF,0.615,0.475,0.145,0.9525,0.3915,0.195,0.32,9\nM,
0.575,0.45,0.16,0.955,0.44,0.1685,0.27,16\nM,0.57,0.45,0.155,0.91,0.326,0.189
5,0.355,14\nM,0.455,0.35,0.105,0.416,0.1625,0.097,0.145,11\nI,0.37,0.275,0.08
5,0.2045,0.096,0.056,0.08,6\nM,0.445,0.37,0.125,0.515,0.2495,0.087,0.159,9\nF,
0.675,0.535,0.22,1.604,0.6175,0.4255,0.453,14\nM,0.385,0.3,0.115,0.3435,0.164
5,0.085,0.1025,6\nF,0.375,0.295,0.11,0.3005,0.1255,0.0575,0.1035,7\nM,0.56,0.4
4,0.13,0.8255,0.2425,0.202,0.285,10\nM,0.55,0.41,0.15,0.785,0.282,0.186,0.275,
12\nF,0.57,0.465,0.155,0.9685,0.446,0.261,0.255,9\nF,0.485,0.4,0.155,0.731,0.2
36,0.183,0.255,11\nM,0.41,0.335,0.115,0.4405,0.19,0.085,0.135,8\nI,0.335,0.25
5,0.085,0.1785,0.071,0.0405,0.055,9\nM,0.655,0.515,0.2,1.373,0.443,0.3375,0.4
9,16\nF,0.565,0.45,0.165,0.9765,0.322,0.244,0.37,12\nF,0.57,0.44,0.19,1.018,0.
447,0.207,0.265,9\nF,0.55,0.465,0.15,1.082,0.3575,0.194,0.19,14\nF,0.63,0.475,
0.175,1.423,0.4155,0.3385,0.49,14\nM,0.475,0.37,0.125,0.655,0.266,0.1725,0.18
5,10\nF,0.655,0.5,0.18,1.4155,0.508,0.314,0.445,18\nI,0.32,0.235,0.065,0.1385,
0.058,0.0225,0.05,5\nM,0.525,0.395,0.165,0.782,0.285,0.1405,0.285,19\nF,0.525,
0.43,0.165,0.717,0.289,0.1745,0.195,10\nF,0.5,0.39,0.13,0.6355,0.2505,0.1635,
0.195,15\nF,0.44,0.34,0.135,0.3975,0.1505,0.0945,0.135,8\nF,0.49,0.385,0.16,0.
656,0.2455,0.171,0.205,9\nM,0.545,0.44,0.165,0.744,0.2875,0.204,0.25,15\nF,0.4
5,0.36,0.11,0.447,0.203,0.082,0.13,12\nF,0.515,0.4,0.115,0.578,0.191,0.1445,0.
17,9\nI,0.33,0.25,0.075,0.1405,0.056,0.035,0.05,5\nF,0.525,0.41,0.15,0.708,0.2
74,0.151,0.25,12\nM,0.295,0.225,0.09,0.1385,0.048,0.046,0.05,9\nM,0.545,0.45,
0.16,0.8615,0.2925,0.1545,0.365,16\nF,0.645,0.5,0.225,1.626,0.587,0.4055,0.41,
15\nM,0.45,0.355,0.115,0.478,0.18,0.1185,0.155,10\nF,0.61,0.49,0.17,1.1775,0.5
655,0.2385,0.295,15\nI,0.38,0.3,0.1,0.286,0.1305,0.056,0.09,7\nF,0.565,0.455,
0.13,1.058,0.439,0.2645,0.3,10\nF,0.67,0.545,0.16,1.5415,0.5985,0.2565,0.495,1
5\nM,0.54,0.425,0.12,0.817,0.2945,0.153,0.195,10\nI,0.29,0.225,0.075,0.152,0.0
71,0.059,0.045,9\nI,0.41,0.33,0.105,0.335,0.1525,0.074,0.11,7\nF,0.46,0.375,0.
12,0.4915,0.2205,0.088,0.17,7\nF,0.56,0.44,0.155,0.9705,0.4315,0.263,0.255,9\n
F,0.575,0.45,0.1,0.9315,0.431,0.222,0.235,12\nM,0.62,0.5,0.2,1.221,0.4605,0.26
3,0.43,12\nM,0.515,0.4,0.14,0.7365,0.2955,0.184,0.185,16\nF,0.56,0.46,0.18,0.9
7,0.342,0.196,0.355,12\nF,0.5,0.4,0.15,0.8085,0.273,0.112,0.295,13\nI,0.435,0.
355,0.125,0.4075,0.1535,0.074,0.165,9\nM,0.495,0.38,0.135,0.6295,0.263,0.1425,
0.215,12\nF,0.595,0.5,0.18,1.053,0.4405,0.192,0.39,13\nM,0.76,0.575,0.19,1.82
9,0.7035,0.386,0.56,14\nF,0.615,0.5,0.165,1.1765,0.488,0.244,0.345,17\nF,0.56
5,0.46,0.15,0.8765,0.3455,0.1925,0.275,10\nI,0.14,0.105,0.035,0.0145,0.005,0.0
035,0.005,4\nM,0.445,0.345,0.14,0.476,0.2055,0.1015,0.1085,15\nF,0.525,0.43,0.
125,0.813,0.3315,0.166,0.1775,12\nI,0.16,0.12,0.02,0.018,0.0075,0.0045,0.005,4
\nM,0.635,0.48,0.235,1.064,0.413,0.228,0.36,16\nM,0.575,0.47,0.165,0.853,0.29
2,0.179,0.35,16\nM,0.38,0.27,0.095,0.219,0.0835,0.0515,0.07,6\nM,0.245,0.18,0.
065,0.0635,0.0245,0.0135,0.02,4\nI,0.48,0.39,0.15,0.6275,0.276,0.134,0.185,13
\nI,0.455,0.365,0.135,0.441,0.1515,0.1165,0.145,9\nF,0.455,0.375,0.125,0.458,
0.1985,0.111,0.12,10\nM,0.455,0.355,0.135,0.4745,0.1865,0.0935,0.168,13\nI,0.3
55,0.27,0.1,0.216,0.083,0.037,0.075,10\nI,0.52,0.405,0.14,0.6765,0.2865,0.146,
0.205,15\nI,0.54,0.4,0.145,0.757,0.315,0.181,0.215,11\nI,0.52,0.39,0.14,0.732
5,0.2415,0.144,0.26,19\nI,0.56,0.445,0.165,1.0285,0.4535,0.253,0.275,11\nF,0.5
2,0.41,0.16,0.712,0.2845,0.153,0.225,10\nI,0.615,0.46,0.19,1.066,0.4335,0.226,
0.33,13\nF,0.645,0.49,0.19,1.3065,0.479,0.3565,0.345,18\nI,0.565,0.43,0.135,0.
8545,0.321,0.1775,0.275,11\nM,0.295,0.23,0.085,0.125,0.042,0.0285,0.043,8\nM,

0.375,0.28,0.095,0.2225,0.0875,0.043,0.08,10\nI,0.525,0.4,0.14,0.6955,0.2405,
0.16,0.253,10\nM,0.395,0.28,0.08,0.266,0.0995,0.066,0.09,12\nF,0.5,0.4,0.165,
0.7105,0.27,0.1455,0.225,20\nF,0.47,0.35,0.115,0.487,0.1955,0.127,0.155,8\nI,
0.58,0.42,0.16,0.728,0.2725,0.19,0.19,14\nI,0.5,0.38,0.155,0.6675,0.2745,0.15
6,0.18,12\nI,0.725,0.55,0.22,2.0495,0.7735,0.4405,0.655,10\nF,0.65,0.515,0.21
5,1.498,0.564,0.323,0.425,16\nF,0.67,0.535,0.185,1.597,0.6275,0.35,0.47,21\nI,
0.55,0.44,0.165,0.8605,0.312,0.169,0.3,17\nF,0.49,0.37,0.115,0.541,0.171,0.117
5,0.185,11\nI,0.235,0.18,0.06,0.058,0.022,0.0145,0.018,6\nI,0.235,0.175,0.08,
0.0645,0.0215,0.0175,0.0215,5\nM,0.52,0.41,0.115,0.77,0.263,0.157,0.26,11\nF,
0.475,0.4,0.115,0.541,0.186,0.1025,0.21,13\nM,0.53,0.425,0.11,0.739,0.237,0.16
1,0.295,13\nF,0.35,0.275,0.065,0.205,0.0745,0.0465,0.07,10\nM,0.555,0.42,0.14
5,0.8695,0.3075,0.2575,0.25,14\nM,0.505,0.39,0.105,0.6555,0.2595,0.18,0.19,11
\nF,0.54,0.44,0.16,1.0905,0.391,0.2295,0.355,15\nF,0.525,0.4,0.115,0.6295,0.25
55,0.144,0.18,11\nM,0.55,0.45,0.175,1.0985,0.3765,0.215,0.4,14\nM,0.55,0.44,0.
16,0.991,0.348,0.168,0.375,20\nI,0.235,0.175,0.065,0.0615,0.0205,0.02,0.019,6
\nM,0.525,0.41,0.165,0.8005,0.2635,0.1985,0.25,13\nM,0.475,0.365,0.14,0.6175,
0.202,0.1445,0.19,16\nF,0.53,0.4,0.165,0.772,0.2855,0.1975,0.23,12\nF,0.525,0.
415,0.15,0.7155,0.2355,0.171,0.27,13\nF,0.53,0.425,0.13,0.717,0.2115,0.166,0.2
55,13\nF,0.465,0.39,0.11,0.6355,0.1815,0.157,0.225,13\nI,0.315,0.235,0.08,0.1
8,0.08,0.045,0.047,5\nI,0.465,0.355,0.12,0.5805,0.255,0.0915,0.184,8\nM,0.485,
0.385,0.105,0.556,0.296,0.104,0.133,7\nI,0.49,0.385,0.12,0.591,0.271,0.1125,0.
1775,9\nF,0.515,0.395,0.14,0.686,0.281,0.1255,0.22,12\nF,0.555,0.44,0.155,1.01
6,0.4935,0.1855,0.263,10\nF,0.61,0.5,0.18,1.438,0.5185,0.3735,0.3345,9\nF,0.6
8,0.55,0.19,1.807,0.8225,0.3655,0.515,11\nM,0.69,0.55,0.195,1.777,0.769,0.38,
0.4305,11\nM,0.695,0.55,0.205,2.173,1.133,0.4665,0.496,10\nF,0.72,0.575,0.195,
2.1505,1.0745,0.382,0.585,10\nI,0.27,0.205,0.075,0.118,0.059,0.031,0.0305,4\n
I,0.27,0.19,0.06,0.099,0.0445,0.017,0.03,5\nI,0.295,0.22,0.07,0.1365,0.0575,0.
0295,0.035,6\nI,0.295,0.22,0.065,0.1295,0.052,0.028,0.035,6\nI,0.315,0.23,0.0
7,0.164,0.0625,0.04,0.045,6\nI,0.375,0.29,0.095,0.2875,0.123,0.0605,0.08,6\nI,
0.38,0.3,0.09,0.277,0.1655,0.0625,0.082,6\nI,0.385,0.285,0.09,0.248,0.0935,0.0
66,0.07,6\nI,0.4,0.295,0.095,0.252,0.1105,0.0575,0.066,6\nM,0.415,0.315,0.12,
0.4015,0.199,0.087,0.097,8\nI,0.415,0.33,0.1,0.3905,0.1925,0.0755,0.1025,7\nI,
0.42,0.32,0.115,0.409,0.2055,0.0935,0.105,8\nI,0.44,0.33,0.135,0.4095,0.163,0.
1005,0.119,6\nI,0.45,0.35,0.135,0.494,0.2205,0.0945,0.1405,7\nI,0.475,0.35,0.1
2,0.4905,0.2035,0.13,0.135,7\nM,0.485,0.39,0.12,0.599,0.251,0.1345,0.169,8\nM,
0.495,0.375,0.115,0.6245,0.282,0.143,0.155,6\nF,0.525,0.41,0.115,0.7745,0.416,
0.163,0.18,7\nM,0.565,0.455,0.15,0.9795,0.444,0.205,0.275,8\nI,0.58,0.435,0.1
5,0.8915,0.363,0.1925,0.2515,6\nF,0.585,0.45,0.125,0.874,0.3545,0.2075,0.225,6
\nM,0.6,0.465,0.155,1.262,0.6245,0.2455,0.33,10\nM,0.63,0.48,0.185,1.21,0.53,
0.2555,0.322,11\nF,0.645,0.525,0.17,1.37,0.6135,0.283,0.34,10\nF,0.655,0.545,
0.185,1.759,0.6865,0.313,0.547,11\nM,0.665,0.515,0.165,1.3855,0.621,0.302,0.34
45,8\nF,0.67,0.52,0.195,1.8065,0.758,0.3735,0.5055,11\nM,0.67,0.51,0.2,1.5945,
0.6705,0.3845,0.4505,10\nM,0.685,0.51,0.18,1.4545,0.6315,0.3105,0.3725,9\nM,0.
7,0.6,0.23,2.003,0.8105,0.4045,0.5755,10\nM,0.72,0.6,0.235,2.2385,0.984,0.411,
0.621,12\nI,0.185,0.135,0.045,0.032,0.011,0.0065,0.01,4\nI,0.245,0.175,0.055,
0.0785,0.04,0.018,0.02,5\nI,0.315,0.23,0,0.134,0.0575,0.0285,0.3505,6\nI,0.36,
0.27,0.09,0.2075,0.098,0.039,0.062,6\nI,0.375,0.28,0.08,0.2235,0.115,0.043,0.0
55,6\nI,0.415,0.31,0.095,0.34,0.181,0.057,0.083,6\nI,0.455,0.35,0.135,0.5365,
0.2855,0.0855,0.1325,7\nI,0.48,0.35,0.105,0.635,0.352,0.127,0.135,6\nI,0.485,
0.375,0.125,0.562,0.2505,0.1345,0.1525,8\nI,0.51,0.39,0.125,0.597,0.293,0.126
5,0.1555,8\nM,0.52,0.395,0.125,0.5815,0.2565,0.1265,0.17,10\nF,0.555,0.43,0.1
4,0.7545,0.3525,0.1835,0.2015,9\nM,0.585,0.465,0.15,0.98,0.4315,0.2545,0.247,9
\nF,0.585,0.46,0.15,1.0035,0.503,0.2105,0.2515,11\nM,0.585,0.455,0.155,1.133,
0.5515,0.223,0.305,12\nM,0.61,0.49,0.16,1.146,0.597,0.246,0.265,8\nM,0.61,0.47
5,0.15,1.142,0.62,0.237,0.245,9\nM,0.615,0.53,0.17,1.12,0.5775,0.2095,0.286,9
\nF,0.62,0.465,0.14,1.011,0.479,0.2385,0.255,8\nM,0.625,0.505,0.175,1.131,0.54
25,0.2265,0.323,8\nM,0.625,0.48,0.175,1.065,0.4865,0.259,0.285,10\nM,0.635,0.4
8,0.145,1.181,0.665,0.229,0.225,10\nF,0.64,0.525,0.175,1.382,0.646,0.3115,0.3
7,9\nM,0.66,0.505,0.19,1.4385,0.6775,0.285,0.178,11\nM,0.66,0.485,0.155,1.227
5,0.61,0.274,0.3,8\nM,0.66,0.515,0.155,1.4415,0.7055,0.3555,0.335,10\nF,0.68,
0.55,0.175,1.473,0.713,0.282,0.4295,11\nF,0.69,0.58,0.195,1.658,0.708,0.3615,
0.4715,10\nM,0.72,0.545,0.195,1.7475,0.8215,0.383,0.4705,11\nI,0.275,0.2,0.07,
0.096,0.037,0.0225,0.03,6\nI,0.33,0.245,0.065,0.1445,0.058,0.032,0.0505,6\nI,
0.33,0.26,0.085,0.1965,0.0915,0.0425,0.055,7\nI,0.365,0.28,0.09,0.196,0.0865,
0.036,0.0605,7\nI,0.365,0.27,0.09,0.2155,0.1005,0.049,0.0655,6\nI,0.42,0.31,0.
1,0.2805,0.1125,0.0615,0.0925,8\nI,0.435,0.335,0.11,0.334,0.1355,0.0775,0.096
5,7\nI,0.435,0.325,0.1,0.366,0.174,0.0725,0.109,7\nI,0.44,0.325,0.11,0.4965,0.
258,0.1195,0.1075,8\nI,0.485,0.365,0.09,0.651,0.3165,0.132,0.18,8\nI,0.495,0.3
85,0.125,0.5125,0.2075,0.1155,0.172,10\nM,0.51,0.405,0.125,0.6925,0.327,0.155,

0.1805,7\nI,0.52,0.41,0.14,0.5995,0.242,0.1375,0.182,11\nI,0.54,0.42,0.14,0.7
4,0.3595,0.159,0.1985,8\nI,0.54,0.415,0.155,0.702,0.322,0.167,0.19,10\nI,0.55,
0.445,0.125,0.672,0.288,0.1365,0.21,11\nI,0.56,0.44,0.155,0.811,0.3685,0.178,
0.235,11\nF,0.575,0.45,0.12,0.9585,0.447,0.169,0.275,12\nI,0.575,0.45,0.15,0.8
58,0.449,0.166,0.215,10\nF,0.575,0.46,0.165,0.9575,0.4815,0.1945,0.236,10\nF,
0.58,0.46,0.135,0.926,0.4025,0.208,0.275,8\nF,0.58,0.425,0.155,0.873,0.3615,0.
249,0.239,10\nM,0.59,0.45,0.16,0.998,0.445,0.214,0.301,9\nM,0.6,0.46,0.155,0.6
655,0.285,0.149,0.269,11\nM,0.62,0.485,0.145,1.003,0.4655,0.2195,0.28,11\nF,0.
625,0.495,0.16,1.234,0.6335,0.192,0.35,13\nM,0.625,0.495,0.155,1.025,0.46,0.19
45,0.34,9\nM,0.625,0.495,0.175,1.2935,0.5805,0.317,0.355,9\nM,0.625,0.5,0.175,
1.0565,0.4615,0.258,0.305,10\nM,0.625,0.47,0.145,1.7855,0.675,0.247,0.3245,13
\nF,0.625,0.485,0.165,1.2255,0.5075,0.296,0.36,10\nF,0.635,0.5,0.18,1.2565,0.5
39,0.292,0.35,10\nF,0.645,0.5,0.15,1.159,0.4675,0.3355,0.31,9\nM,0.645,0.51,0.
165,1.403,0.5755,0.2515,0.4545,11\nF,0.69,0.535,0.185,1.826,0.797,0.409,0.499,
11\nF,0.695,0.56,0.185,1.7715,0.8195,0.331,0.437,10\nM,0.515,0.39,0.12,0.6125,
0.302,0.1365,0.1415,8\nI,0.545,0.405,0.13,0.658,0.327,0.1445,0.174,8\nM,0.62,
0.465,0.145,0.911,0.375,0.2145,0.278,10\nM,0.63,0.49,0.15,1.1955,0.5845,0.257,
0.3,9\nF,0.63,0.515,0.16,1.336,0.553,0.3205,0.35,11\nF,0.64,0.49,0.18,1.36,0.6
53,0.347,0.305,9\nI,0.37,0.275,0.08,0.2325,0.093,0.056,0.072,6\nI,0.395,0.31,
0.085,0.317,0.153,0.0505,0.0935,7\nI,0.4,0.3,0.115,0.318,0.1335,0.0725,0.0935,
6\nI,0.41,0.305,0.1,0.2645,0.1,0.0655,0.085,7\nI,0.455,0.335,0.105,0.4055,0.17
5,0.092,0.1185,8\nI,0.48,0.335,0.125,0.524,0.246,0.1095,0.145,7\nI,0.485,0.37
5,0.11,0.464,0.2015,0.09,0.149,8\nI,0.5,0.36,0.12,0.439,0.1875,0.1055,0.1305,8
\nI,0.515,0.395,0.125,0.5805,0.2365,0.1075,0.19,9\nI,0.52,0.4,0.14,0.622,0.27
8,0.1455,0.169,8\nM,0.545,0.45,0.15,0.7805,0.3795,0.1625,0.216,8\nI,0.545,0.4
3,0.14,0.772,0.289,0.19,0.2615,8\nI,0.55,0.435,0.125,0.741,0.348,0.1585,0.206,
9\nM,0.55,0.43,0.18,0.8265,0.4405,0.159,0.225,10\nM,0.55,0.385,0.13,0.7275,0.3
43,0.1625,0.19,8\nI,0.555,0.43,0.125,0.7005,0.3395,0.1355,0.2095,8\nM,0.56,0.4
5,0.145,0.9355,0.425,0.1645,0.2725,11\nI,0.565,0.465,0.15,1.1815,0.581,0.2215,
0.3095,9\nM,0.57,0.445,0.16,1.0145,0.516,0.164,0.3,10\nF,0.575,0.48,0.17,1.1,
0.506,0.2485,0.31,10\nM,0.585,0.51,0.16,1.218,0.639,0.241,0.3,11\nM,0.59,0.45,
0.155,0.874,0.369,0.2135,0.24,8\nI,0.595,0.475,0.155,0.984,0.4865,0.184,0.275
5,10\nM,0.6,0.47,0.13,1.0105,0.423,0.219,0.298,9\nM,0.61,0.365,0.155,1.0765,0.
488,0.249,0.27,9\nM,0.615,0.475,0.205,1.337,0.5995,0.2815,0.37,11\nM,0.625,0.
5,0.18,1.3705,0.645,0.303,0.3705,12\nF,0.625,0.49,0.19,1.7015,0.7465,0.4105,0.
3855,11\nM,0.63,0.485,0.18,1.2435,0.5175,0.308,0.37,11\nM,0.63,0.53,0.175,1.41
35,0.667,0.2945,0.3555,13\nF,0.635,0.485,0.155,1.073,0.467,0.1975,0.35,11\nF,
0.635,0.5,0.175,1.477,0.684,0.3005,0.39,12\nM,0.635,0.5,0.18,1.2915,0.594,0.26
95,0.37,9\nF,0.65,0.495,0.16,1.3105,0.577,0.3315,0.355,9\nM,0.67,0.525,0.18,1.
4915,0.728,0.343,0.381,9\nF,0.675,0.52,0.175,1.494,0.7365,0.3055,0.37,9\nF,0.6
75,0.51,0.15,1.1965,0.475,0.304,0.386,11\nM,0.68,0.545,0.185,1.672,0.7075,0.36
4,0.48,11\nM,0.7,0.545,0.215,1.9125,0.8825,0.4385,0.506,10\nF,0.71,0.545,0.17
5,1.907,0.8725,0.4565,0.475,11\nF,0.715,0.565,0.18,1.79,0.844,0.3535,0.5385,9
\nF,0.72,0.59,0.205,1.7495,0.7755,0.4225,0.48,11\nI,0.42,0.305,0.1,0.3415,0.16
45,0.0775,0.086,7\nI,0.48,0.35,0.1,0.519,0.2365,0.1275,0.126,7\nM,0.48,0.365,
0.13,0.5305,0.2405,0.127,0.139,8\nM,0.51,0.41,0.155,1.2825,0.569,0.291,0.3795,
9\nI,0.515,0.4,0.14,0.7165,0.3495,0.1595,0.1785,8\nF,0.56,0.42,0.18,1.6645,0.7
755,0.35,0.4525,9\nI,0.56,0.42,0.14,0.837,0.414,0.214,0.2,8\nF,0.57,0.45,0.15,
0.9645,0.531,0.189,0.209,9\nF,0.605,0.465,0.155,1.1,0.547,0.2665,0.2585,10\nM,
0.625,0.48,0.16,1.2415,0.6575,0.2625,0.2785,9\nF,0.64,0.505,0.175,1.3185,0.618
5,0.302,0.3315,9\nM,0.65,0.525,0.185,1.3455,0.586,0.278,0.3865,9\nI,0.3,0.215,
0.05,0.1185,0.048,0.0225,0.042,4\nM,0.35,0.265,0.09,0.197,0.073,0.0365,0.077,7
\nI,0.455,0.35,0.13,0.4725,0.215,0.0745,0.15,9\nI,0.46,0.365,0.11,0.4495,0.175
5,0.102,0.15,8\nI,0.49,0.375,0.115,0.557,0.2275,0.1335,0.1765,8\nI,0.5,0.385,
0.12,0.516,0.197,0.1305,0.165,8\nI,0.54,0.415,0.135,0.709,0.3195,0.174,0.185,9
\nM,0.55,0.42,0.145,0.7385,0.321,0.1485,0.252,11\nI,0.55,0.445,0.11,0.7935,0.3
78,0.142,0.26,10\nM,0.555,0.435,0.145,0.9205,0.404,0.2275,0.255,8\nI,0.57,0.42
5,0.14,0.7655,0.331,0.14,0.24,10\nM,0.58,0.45,0.14,0.824,0.3465,0.1765,0.263,1
0\nI,0.58,0.425,0.145,0.83,0.379,0.1605,0.2575,11\nI,0.585,0.47,0.17,0.985,0.3
695,0.2395,0.315,10\nM,0.585,0.45,0.15,0.997,0.4055,0.283,0.251,11\nF,0.595,0.
455,0.14,0.914,0.3895,0.2225,0.271,9\nF,0.6,0.5,0.17,1.13,0.4405,0.267,0.335,1
1\nF,0.615,0.495,0.155,1.0805,0.52,0.19,0.32,9\nM,0.63,0.505,0.155,1.105,0.49
2,0.226,0.325,11\nM,0.63,0.49,0.155,1.229,0.535,0.29,0.335,11\nF,0.635,0.495,
0.175,1.2355,0.5205,0.3085,0.347,10\nF,0.645,0.535,0.19,1.2395,0.468,0.2385,0.
424,10\nF,0.65,0.505,0.165,1.357,0.5725,0.281,0.43,11\nM,0.655,0.525,0.18,1.40
2,0.624,0.2935,0.365,13\nF,0.655,0.5,0.22,1.359,0.642,0.3255,0.405,13\nM,0.67,
0.535,0.19,1.669,0.7465,0.2935,0.508,11\nM,0.67,0.525,0.2,1.7405,0.6205,0.297,
0.657,11\nM,0.695,0.53,0.21,1.51,0.664,0.4095,0.385,10\nM,0.695,0.55,0.195,1.6
645,0.727,0.36,0.445,11\nM,0.77,0.605,0.175,2.0505,0.8005,0.526,0.355,11\nI,0.

28,0.215,0.07,0.124,0.063,0.0215,0.03,6\nI,0.33,0.23,0.08,0.14,0.0565,0.0365,
0.046,7\nI,0.35,0.25,0.075,0.1695,0.0835,0.0355,0.041,6\nI,0.37,0.28,0.09,0.21
8,0.0995,0.0545,0.0615,7\nI,0.43,0.315,0.115,0.384,0.1885,0.0715,0.11,8\nI,0.4
35,0.33,0.095,0.393,0.219,0.075,0.0885,6\nI,0.44,0.35,0.11,0.3805,0.1575,0.089
5,0.115,6\nM,0.475,0.37,0.11,0.4895,0.2185,0.107,0.146,8\nM,0.475,0.36,0.14,0.
5135,0.241,0.1045,0.155,8\nI,0.48,0.355,0.11,0.4495,0.201,0.089,0.14,8\nF,0.5
6,0.44,0.135,0.8025,0.35,0.1615,0.259,9\nF,0.585,0.475,0.165,1.053,0.458,0.21
7,0.3,11\nF,0.585,0.455,0.17,0.9945,0.4255,0.263,0.2845,11\nM,0.385,0.255,0.1,
0.3175,0.137,0.068,0.092,8\nI,0.39,0.31,0.085,0.344,0.181,0.0695,0.079,7\nI,0.
39,0.29,0.1,0.2845,0.1255,0.0635,0.081,7\nI,0.405,0.3,0.085,0.3035,0.15,0.050
5,0.088,7\nI,0.475,0.365,0.115,0.499,0.232,0.0885,0.156,10\nM,0.5,0.38,0.125,
0.577,0.269,0.1265,0.1535,9\nF,0.515,0.4,0.125,0.615,0.2865,0.123,0.1765,8\nM,
0.52,0.385,0.165,0.791,0.375,0.18,0.1815,10\nM,0.55,0.43,0.13,0.8395,0.3155,0.
1955,0.2405,10\nM,0.56,0.43,0.155,0.8675,0.4,0.172,0.229,8\nF,0.565,0.45,0.16
5,0.887,0.37,0.239,0.249,11\nM,0.59,0.44,0.135,0.966,0.439,0.2145,0.2605,10\n
M,0.6,0.475,0.205,1.176,0.5255,0.2875,0.308,9\nF,0.625,0.485,0.15,1.0945,0.53
1,0.261,0.296,10\nM,0.71,0.555,0.195,1.9485,0.9455,0.3765,0.495,12\n'}

- Load the dataset into the tool.

In [110…
```
df = pd.read_csv("abalone.csv")
```

- ADDED AGE COLUMN

In [111…
```
df['Age']=df['Rings']+1.5
```

In [112…
```
df.head()
```

Out[112…

| | Sex | Length | Diameter | Height | Whole weight | Shucked weight | Viscera weight | Shell weight | Rings | Age |
|---|---|---|---|---|---|---|---|---|---|---|
| **0** | M | 0.455 | 0.365 | 0.095 | 0.5140 | 0.2245 | 0.1010 | 0.150 | 15 | 16.5 |
| **1** | M | 0.350 | 0.265 | 0.090 | 0.2255 | 0.0995 | 0.0485 | 0.070 | 7 | 8.5 |
| **2** | F | 0.530 | 0.420 | 0.135 | 0.6770 | 0.2565 | 0.1415 | 0.210 | 9 | 10.5 |
| **3** | M | 0.440 | 0.365 | 0.125 | 0.5160 | 0.2155 | 0.1140 | 0.155 | 10 | 11.5 |
| **4** | I | 0.330 | 0.255 | 0.080 | 0.2050 | 0.0895 | 0.0395 | 0.055 | 7 | 8.5 |

In [113…
```
df.shape
```

Out[113… (4177, 10)

In [114…
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 4177 entries, 0 to 4176
Data columns (total 10 columns):
 #   Column          Non-Null Count  Dtype  
---  ------          --------------  -----  
 0   Sex             4177 non-null   object 
 1   Length          4177 non-null   float64
 2   Diameter        4177 non-null   float64
 3   Height          4177 non-null   float64
 4   Whole weight    4177 non-null   float64
 5   Shucked weight  4177 non-null   float64
 6   Viscera weight  4177 non-null   float64
 7   Shell weight    4177 non-null   float64
 8   Rings           4177 non-null   int64  
```

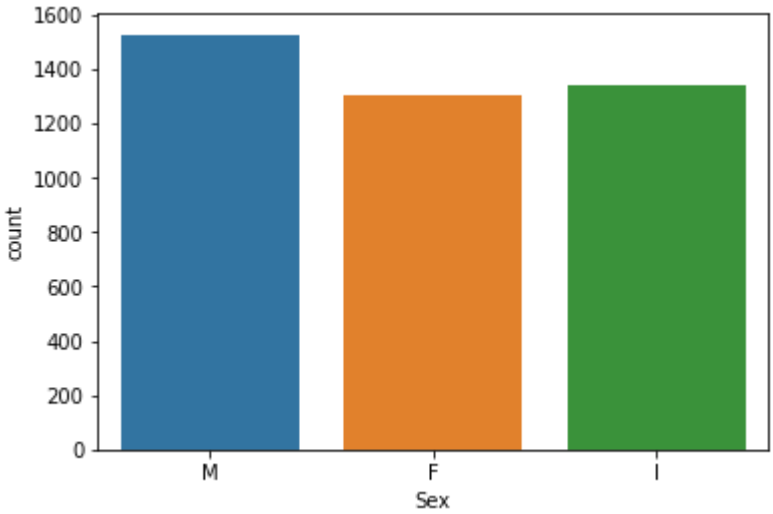
```
 9   Age             4177 non-null   float64
dtypes: float64(8), int64(1), object(1)
memory usage: 326.5+ KB
```

## UNIVARIATE ANALYSIS

In [115…
```
sns.countplot(df['Sex'])
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWarnin
g: Pass the following variable as a keyword arg: x. From version 0.12, the onl
y valid positional argument will be `data`, and passing other arguments withou
t an explicit keyword will result in an error or misinterpretation.
  FutureWarning
```

Out[115… `<matplotlib.axes._subplots.AxesSubplot at 0x7feeaa7addd0>`

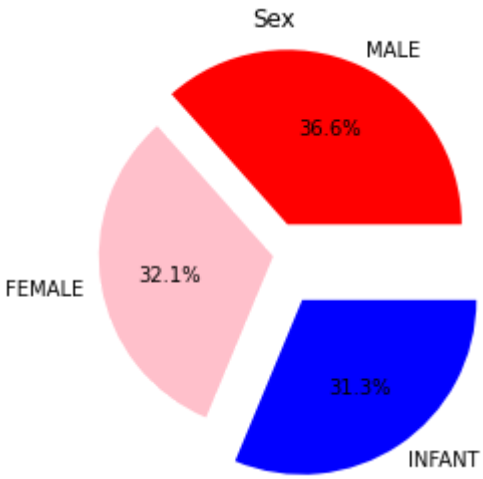



In [116…
```
df['Sex'].value_counts()
```

Out[116…
```
M    1528
I    1342
F    1307
Name: Sex, dtype: int64
```

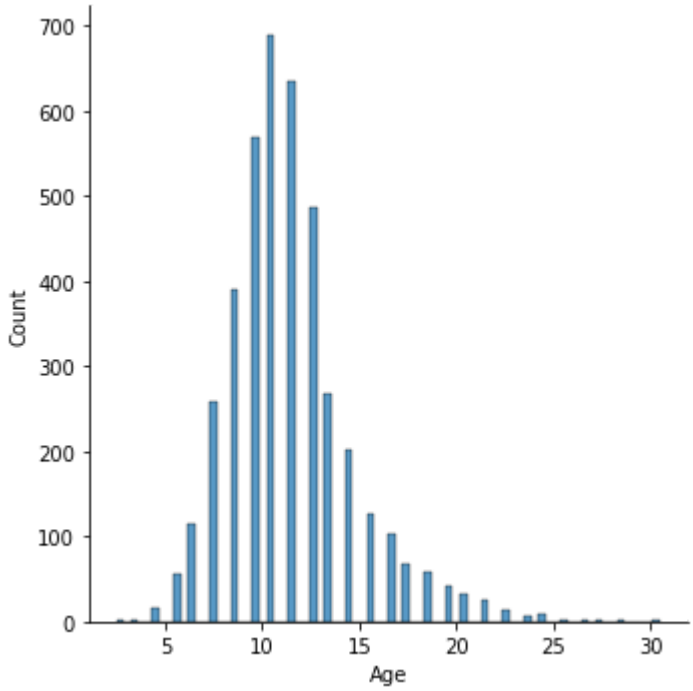
In [117…
```
plt.pie(df.Sex.value_counts(),[0.2,0,0.3],labels=['MALE','FEMALE','INFANT'],a
plt.title('Sex')
```

Out[117… `Text(0.5, 1.0, 'Sex')`




In [118…
```
sns.displot(df.Age)
```

Out[118… <seaborn.axisgrid.FacetGrid at 0x7feeaa72fe90>



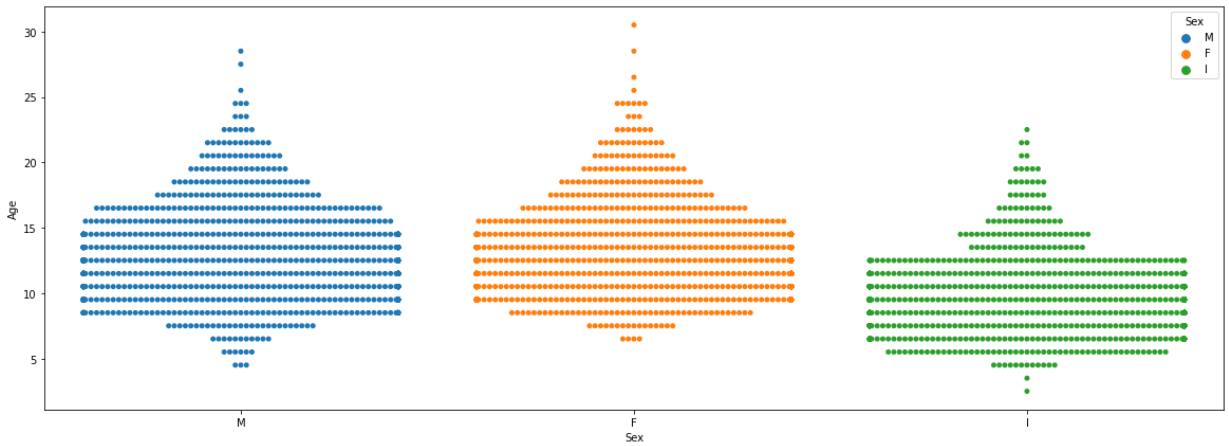

## BIVARIATE ANALYSIS

In [119…

```
plt.figure(figsize = (20,7))
sns.swarmplot(x = 'Sex', y = 'Age', data = df, hue = 'Sex')
```

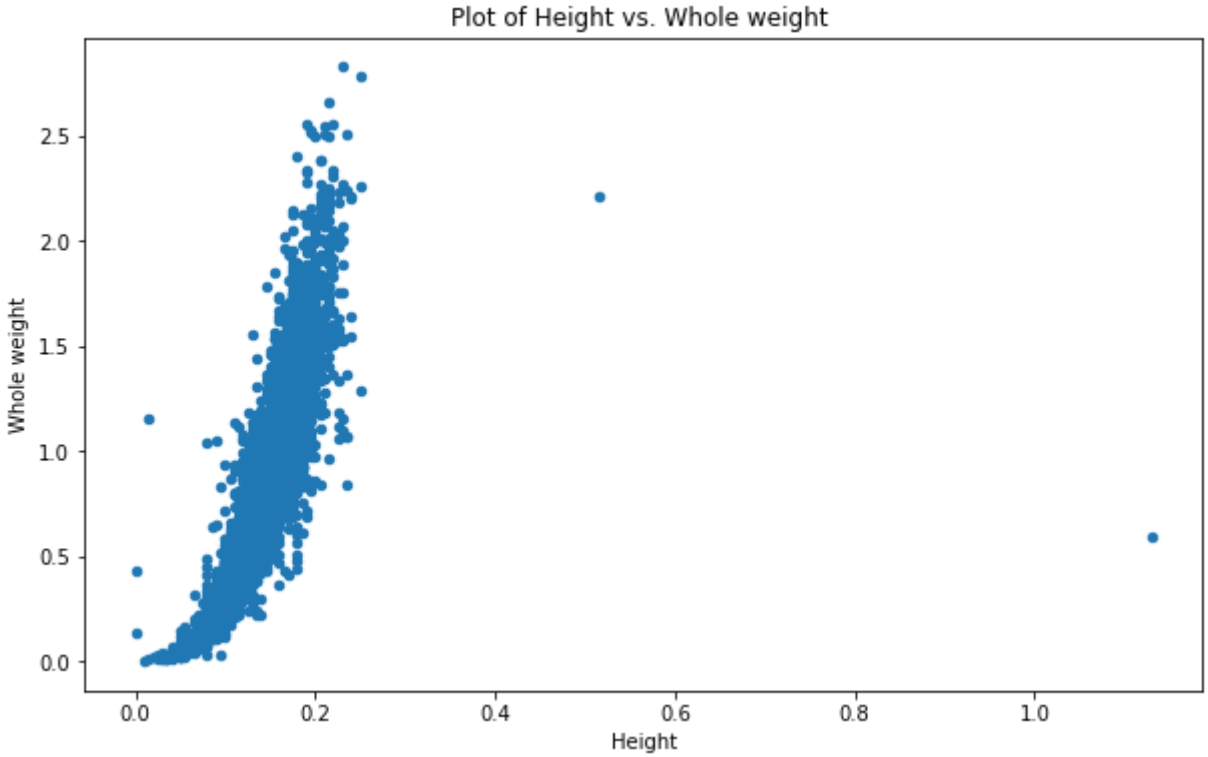
```
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarnin
g: 56.2% of the points cannot be placed; you may want to decrease the size of
the markers or use stripplot.
  warnings.warn(msg, UserWarning)
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarnin
g: 52.2% of the points cannot be placed; you may want to decrease the size of
the markers or use stripplot.
  warnings.warn(msg, UserWarning)
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarnin
g: 58.5% of the points cannot be placed; you may want to decrease the size of
the markers or use stripplot.
  warnings.warn(msg, UserWarning)
```

Out[119… <matplotlib.axes._subplots.AxesSubplot at 0x7feeaa6b8bd0>




In [120…

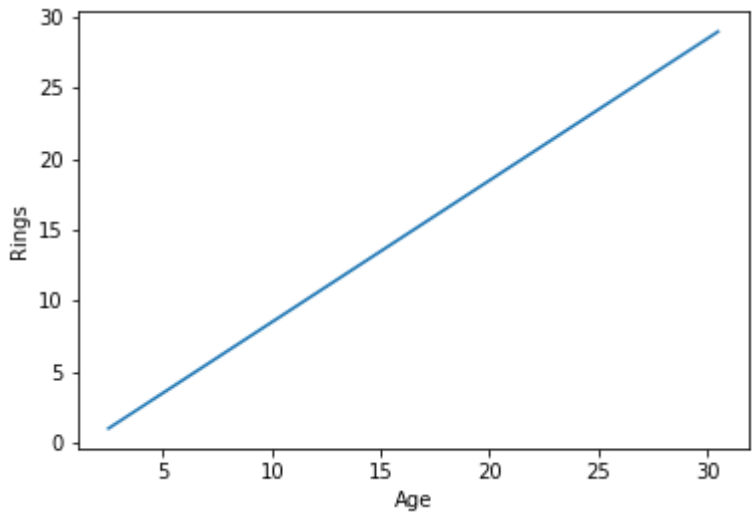
```
df.plot.scatter("Height", "Whole weight", figsize=(10, 6),
                title="Plot of Height vs. Whole weight ")
plt.show()
plt.close()
```




In [121…
```
sns.lineplot(df.Age,df.Rings)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWarnin
g: Pass the following variables as keyword args: x, y. From version 0.12, the
only valid positional argument will be `data`, and passing other arguments wit
hout an explicit keyword will result in an error or misinterpretation.
  FutureWarning
```

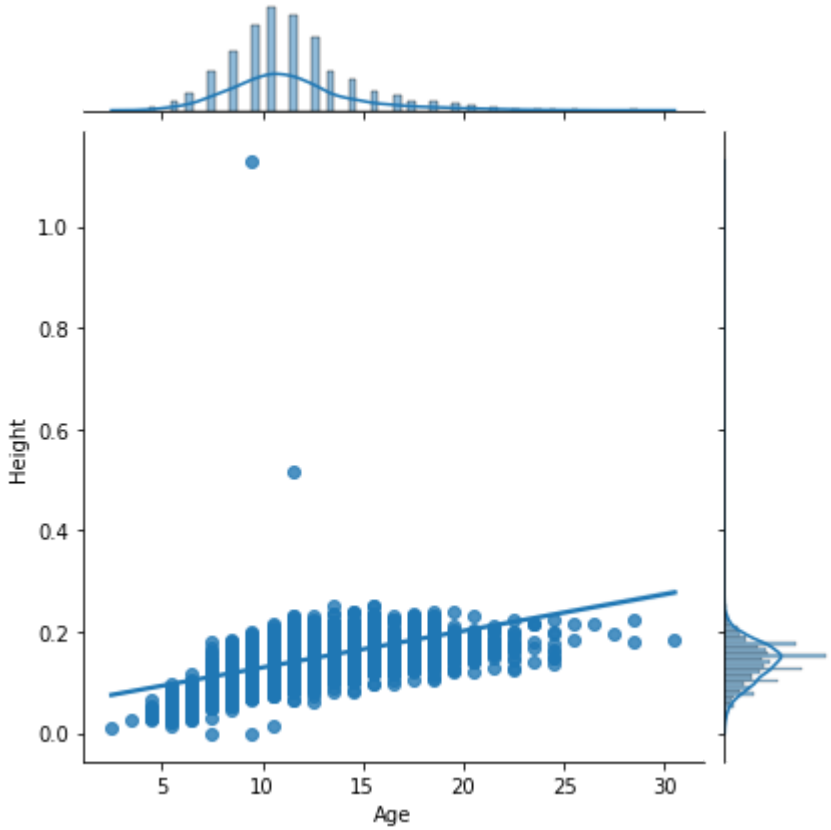
Out[121…
```
<matplotlib.axes._subplots.AxesSubplot at 0x7feeaa458710>
```

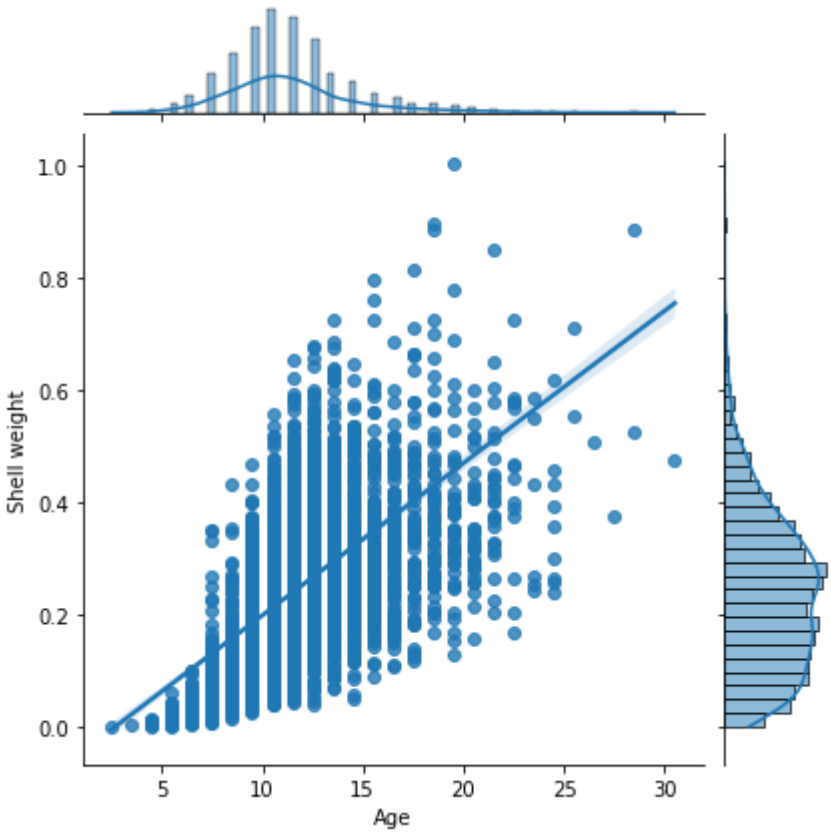



In [122…
```
plt.figure(figsize=(20, 5))

_ = sns.jointplot(data=df, x='Age', y='Height', kind='reg')
_ = sns.jointplot(data=df, x='Age', y='Shell weight', kind='reg')
```

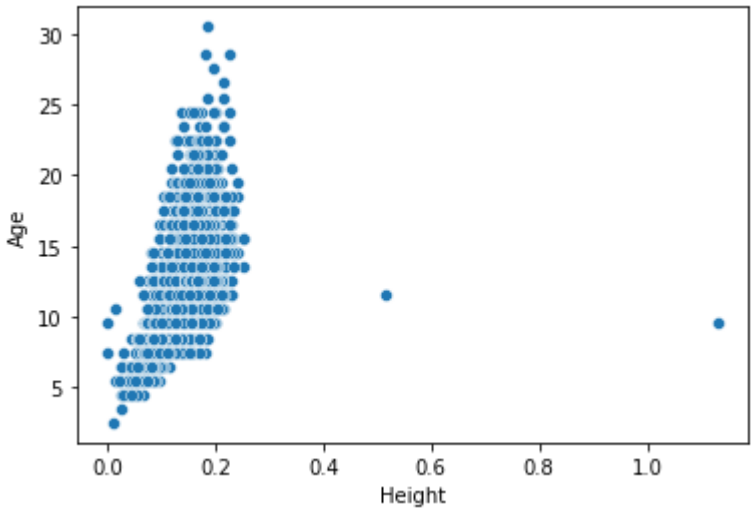
```
<Figure size 1440x360 with 0 Axes>
```




In [123…
```
sns.scatterplot(x=df["Height"],y=df["Age"])
```

Out[123… <matplotlib.axes._subplots.AxesSubplot at 0x7feea9ddbb10>



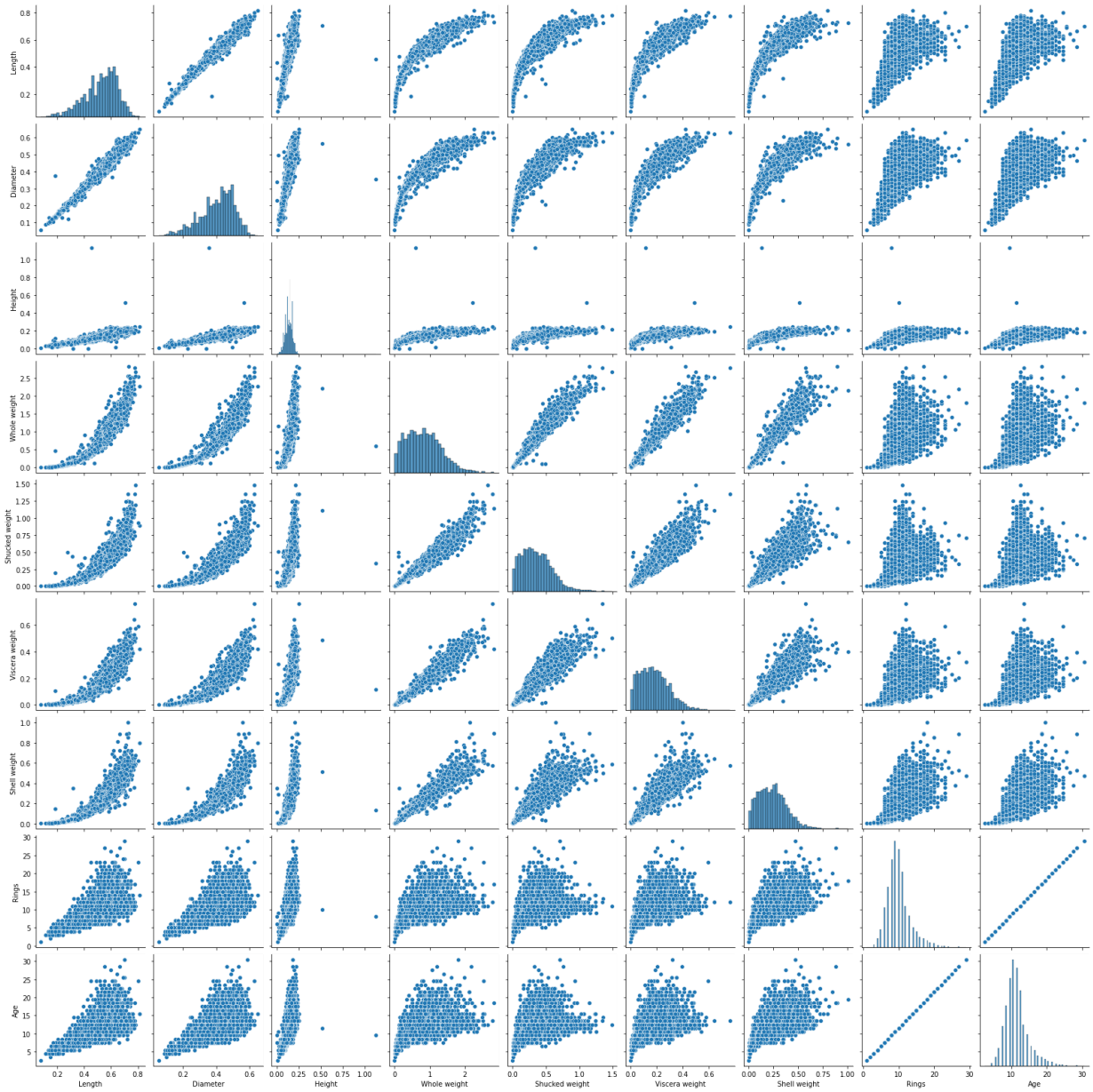

## MULTIVARIATE ANALYSIS

In [124…

```
sns.pairplot(df)
```

Out[124…

```
<seaborn.axisgrid.PairGrid at 0x7feeaa14a750>
```




## Perform descriptive statistics on the dataset.

In [125…
```
df.describe()
```

Out[125…

| | Length | Diameter | Height | Whole weight | Shucked weight | Viscera weight | Shell v |
|---|---|---|---|---|---|---|---|
| **count** | 4177.000000 | 4177.000000 | 4177.000000 | 4177.000000 | 4177.000000 | 4177.000000 | 4177.0( |
| **mean** | 0.523992 | 0.407881 | 0.139516 | 0.828742 | 0.359367 | 0.180594 | 0.2 |
| **std** | 0.120093 | 0.099240 | 0.041827 | 0.490389 | 0.221963 | 0.109614 | 0.1 |
| **min** | 0.075000 | 0.055000 | 0.000000 | 0.002000 | 0.001000 | 0.000500 | 0.0 |
| **25%** | 0.450000 | 0.350000 | 0.115000 | 0.441500 | 0.186000 | 0.093500 | 0.1 |
| **50%** | 0.545000 | 0.425000 | 0.140000 | 0.799500 | 0.336000 | 0.171000 | 0.2 |
| **75%** | 0.615000 | 0.480000 | 0.165000 | 1.153000 | 0.502000 | 0.253000 | 0.3 |
| **max** | 0.815000 | 0.650000 | 1.130000 | 2.825500 | 1.488000 | 0.760000 | 1.0( |

- Check for Missing values and deal with them.

In [126…
```
df.isnull().sum().sort_values(ascending=False)
```

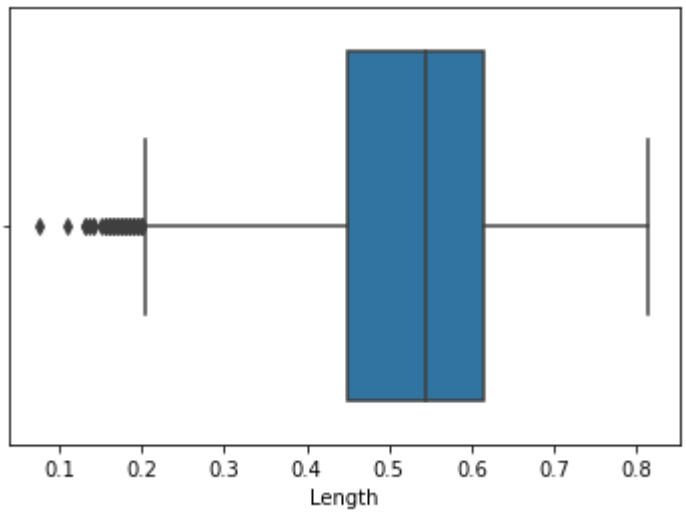
Out[126…
```
Sex               0
Length            0
Diameter          0
Height            0
Whole weight      0
Shucked weight    0
Viscera weight    0
Shell weight      0
Rings             0
Age               0
dtype: int64
```

- Find the outliers and replace them outliers

In [127…
```
sns.boxplot(df.Length)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWarnin
g: Pass the following variable as a keyword arg: x. From version 0.12, the onl
y valid positional argument will be `data`, and passing other arguments withou
t an explicit keyword will result in an error or misinterpretation.
  FutureWarning
```

Out[127…
```
<matplotlib.axes._subplots.AxesSubplot at 0x7feea7e9d390>
```



In [128…
```
df.Length.median()
```

Out[128…
```
0.545
```

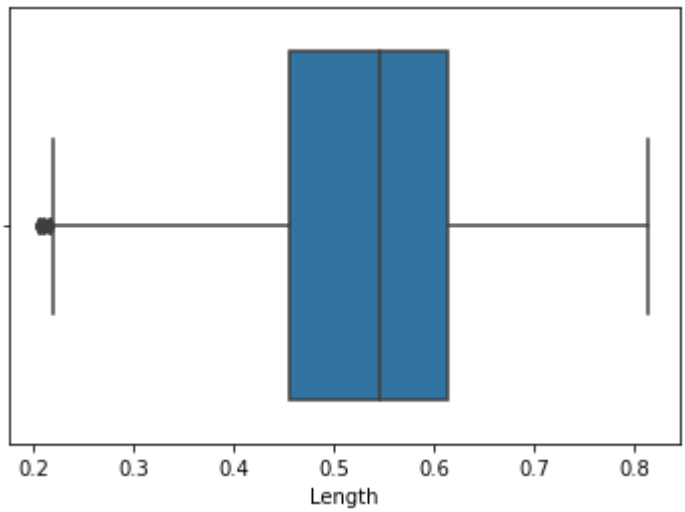
In [129…
```
q1=df.Length.quantile(0.25)  #(Q1)
q3=df.Length.quantile(0.75)  #(Q3)
IQR=q3-q1
lower_limit= q1 - 1.5*IQR
```

In [130…
```
df['Length']=np.where(df['Length']<lower_limit,0.545,df['Length'])
```

In [131…
```
sns.boxplot(df.Length)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWarnin
g: Pass the following variable as a keyword arg: x. From version 0.12, the onl
y valid positional argument will be `data`, and passing other arguments withou
t an explicit keyword will result in an error or misinterpretation.
  FutureWarning
```

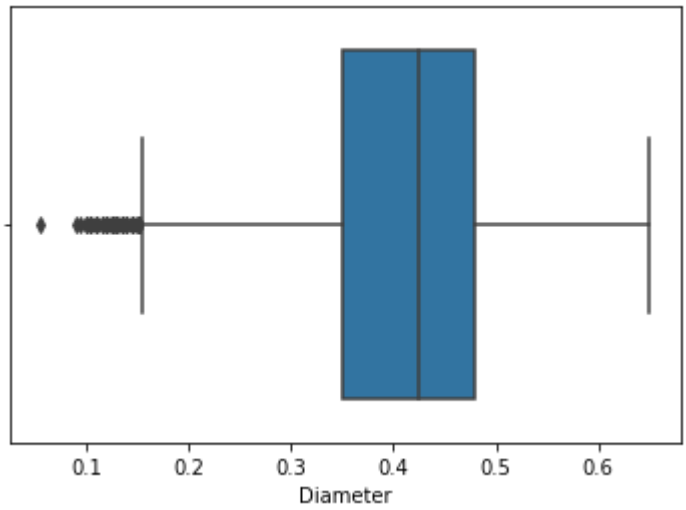
Out[131…
```
<matplotlib.axes._subplots.AxesSubplot at 0x7feea7d0d110>
```




In [132…
```
sns.boxplot(df.Diameter)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWarnin
g: Pass the following variable as a keyword arg: x. From version 0.12, the onl
y valid positional argument will be `data`, and passing other arguments withou
t an explicit keyword will result in an error or misinterpretation.
  FutureWarning
```

Out[132…
```
<matplotlib.axes._subplots.AxesSubplot at 0x7feea7cf3990>
```




In [133…
```
df.Diameter.median()
```

Out[133… 0.425

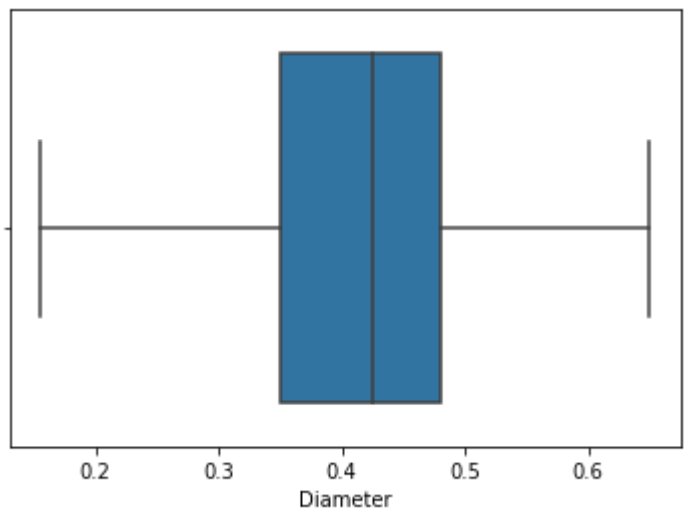
In [134…
```
q1=df.Diameter.quantile(0.25)  #(Q1)
q3=df.Diameter.quantile(0.75)  #(Q3)
IQR=q3-q1
lower_limit= q1 - 1.5*IQR
```

In [135…
```
df['Diameter']=np.where(df['Diameter']<lower_limit,0.425,df['Diameter'])
```

In [136…
```
sns.boxplot(df.Diameter)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWarnin
g: Pass the following variable as a keyword arg: x. From version 0.12, the onl
y valid positional argument will be `data`, and passing other arguments withou
t an explicit keyword will result in an error or misinterpretation.
  FutureWarning
```

Out[136… <matplotlib.axes._subplots.AxesSubplot at 0x7feea7cc2190>



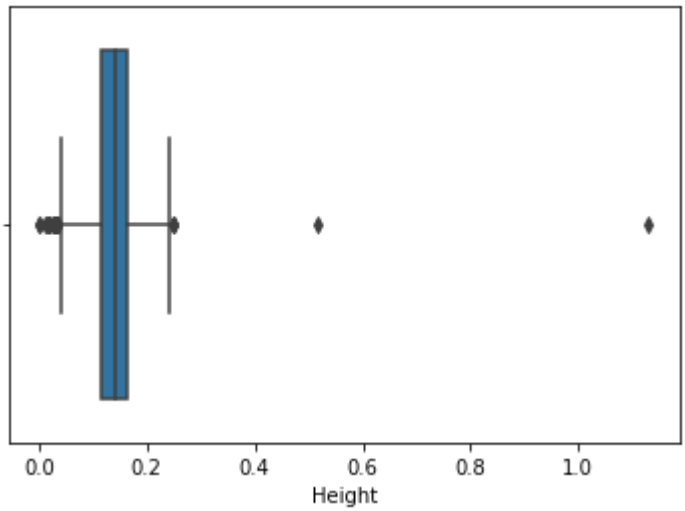

In [137…
```
sns.boxplot(df.Height)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWarnin
g: Pass the following variable as a keyword arg: x. From version 0.12, the onl
```

```
y valid positional argument will be `data`, and passing other arguments withou
t an explicit keyword will result in an error or misinterpretation.
  FutureWarning
```

Out[137…

```
<matplotlib.axes._subplots.AxesSubplot at 0x7feea7c172d0>
```




In [138…

```
q1=df.Height.quantile(0.25)  #(Q1)
q3=df.Height.quantile(0.75)  #(Q3)
IQR=q3-q1
lower_limit= q1 - 1.5*IQR
upper_limit= q3 + 1.5*IQR
```

In [139…

```
df.Height.mean()
```

Out[139…

```
0.13951639932966242
```

In [140…

```
df['Height']=np.where(df['Height']<lower_limit,0.13951639932966242,df['Height
df['Height']=np.where(df['Height']>upper_limit,0.13951639932966242,df['Height
```

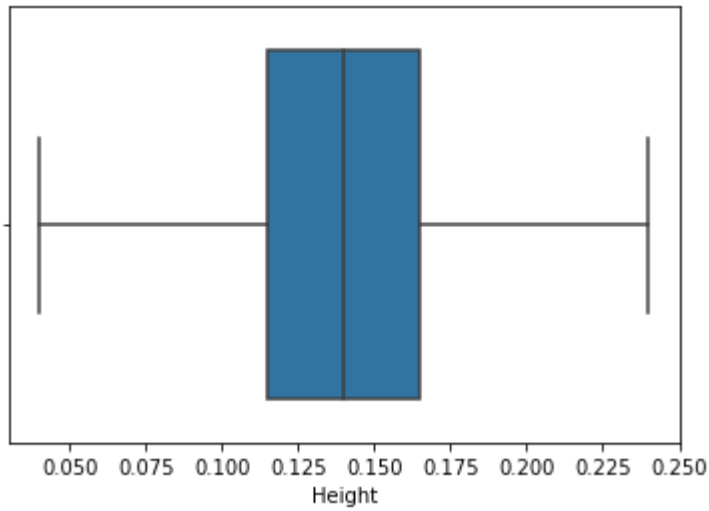
In [141…

```
sns.boxplot(df.Height)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:43: FutureWarnin
g: Pass the following variable as a keyword arg: x. From version 0.12, the onl
y valid positional argument will be `data`, and passing other arguments withou
t an explicit keyword will result in an error or misinterpretation.
  FutureWarning
```

Out[141…

```
<matplotlib.axes._subplots.AxesSubplot at 0x7feeaa4cbd50>
```




- Check for Categorical columns and perform encoding

In [142…
```
df=pd.get_dummies(df,columns=['Sex'])
df.head()
```

Out[142…

| | Length | Diameter | Height | Whole weight | Shucked weight | Viscera weight | Shell weight | Rings | Age | Sex_F | Sex_I | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 0.455 | 0.365 | 0.095 | 0.5140 | 0.2245 | 0.1010 | 0.150 | 15 | 16.5 | 0 | 0 | |
| **1** | 0.350 | 0.265 | 0.090 | 0.2255 | 0.0995 | 0.0485 | 0.070 | 7 | 8.5 | 0 | 0 | |
| **2** | 0.530 | 0.420 | 0.135 | 0.6770 | 0.2565 | 0.1415 | 0.210 | 9 | 10.5 | 1 | 0 | |
| **3** | 0.440 | 0.365 | 0.125 | 0.5160 | 0.2155 | 0.1140 | 0.155 | 10 | 11.5 | 0 | 0 | |
| **4** | 0.330 | 0.255 | 0.080 | 0.2050 | 0.0895 | 0.0395 | 0.055 | 7 | 8.5 | 0 | 1 | |

- Split the data into dependent and independent variables

In [143…
```
y=df['Age']#DEPENDANT VARIABLE
y
```

Out[143…
```
0        16.5
1         8.5
2        10.5
3        11.5
4         8.5
        ...
4172     12.5
4173     11.5
4174     10.5
4175     11.5
4176     13.5
Name: Age, Length: 4177, dtype: float64
```

In [144…
```
#independent variable

X=df.drop(columns=['Age'],axis=1)
X.head()
```

Out[144…

| | Length | Diameter | Height | Whole weight | Shucked weight | Viscera weight | Shell weight | Rings | Sex_F | Sex_I | Sex_M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 0.455 | 0.365 | 0.095 | 0.5140 | 0.2245 | 0.1010 | 0.150 | 15 | 0 | 0 | 1 |

| | Length | Diameter | Height | Whole weight | Shucked weight | Viscera weight | Shell weight | Rings | Sex_F | Sex_I | Sex_M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.350 | 0.265 | 0.090 | 0.2255 | 0.0995 | 0.0485 | 0.070 | 7 | 0 | 0 | 1 |
| 2 | 0.530 | 0.420 | 0.135 | 0.6770 | 0.2565 | 0.1415 | 0.210 | 9 | 1 | 0 | 0 |
| 3 | 0.440 | 0.365 | 0.125 | 0.5160 | 0.2155 | 0.1140 | 0.155 | 10 | 0 | 0 | 1 |
| 4 | 0.330 | 0.255 | 0.080 | 0.2050 | 0.0895 | 0.0395 | 0.055 | 7 | 0 | 1 | 0 |

## Scale the independent variables

In [145…
```
from sklearn.preprocessing import scale
```

In [146…
```
x_scaled=pd.DataFrame(scale(X),columns=X.columns)
x_scaled.head()
```

Out[146…

| | Length | Diameter | Height | Whole weight | Shucked weight | Viscera weight | Shell weight | Rings |
|---|---|---|---|---|---|---|---|---|
| 0 | -0.645490 | -0.504337 | -1.198473 | -0.641898 | -0.607685 | -0.726212 | -0.638217 | 1.571544 |
| 1 | -1.568987 | -1.575453 | -1.332323 | -1.230277 | -1.170910 | -1.205221 | -1.212987 | -0.910013 |
| 2 | 0.014150 | 0.084776 | -0.127672 | -0.309469 | -0.463500 | -0.356690 | -0.207139 | -0.289624 |
| 3 | -0.777418 | -0.504337 | -0.395372 | -0.637819 | -0.648238 | -0.607600 | -0.602294 | 0.020571 |
| 4 | -1.744891 | -1.682564 | -1.600023 | -1.272086 | -1.215968 | -1.287337 | -1.320757 | -0.910013 |

## Split the data into training and testing

In [147…
```
from sklearn.model_selection import train_test_split
X_train,X_test,y_train,y_test = train_test_split(x_scaled,y,test_size=0.2,ran
```

## BUILD THE MODEL

In [160…
```
from sklearn.linear_model import Ridge
from sklearn.linear_model import Lasso
```

In [161…
```
r=Ridge()
l=Lasso()
```

In [162…
```
r.fit(X_train,y_train)
```

Out[162… `Ridge()`

In [163…
```
l.fit(X_train,y_train)
```

Out[163… `Lasso()`

## TRAINING THE MODEL

In [185…
```
pred1=r.predict(X_test)
```

```
pred1
```

Out[185…

```
array([14.50014669,  9.50043804, 12.49953294,  6.50069609, 13.4992812 ,
       12.50048134,  8.50067864,  9.50126287,  8.50083976, 10.50186913,
        9.50005321,  9.49916503, 12.49849877, 10.50005131,  5.50148467,
        8.50156888,  8.50095811, 18.49820034,  8.50277477,  8.50026554,
        8.50020898,  6.50125525,  9.50031734, 10.49960997, 11.49958812,
       11.50095831,  6.50246579, 16.49908496, 11.4997379 , 15.49829626,
        9.50029854,  5.50245218, 10.50148829, 14.50035029,  8.50003097,
        8.50120855,  9.50035471, 10.50052647,  9.50007588, 12.50035717,
       16.49801518, 13.49839751, 18.49680764, 17.49751414, 12.50082326,
       12.49915033,  9.50060358, 11.50104242, 12.50022059,  7.50111708,
       14.49904832,  8.50010097, 14.4975871 , 21.49608448, 13.49825303,
        8.50056016,  9.49958796, 11.49873122,  8.50008061,  8.50006226,
       10.50036045, 10.50000858, 12.49953978,  9.49962639,  8.50056641,
       13.5003088 , 14.49966154, 18.49713621,  9.5001836 , 13.50159367,
       10.49996516, 18.50189571, 11.50069204,  7.50256097, 12.49946436,
        9.50033534,  9.50105555, 10.50064936,  9.5021511 ,  9.50015204,
        9.50111111,  7.50024371,  8.5001999 , 14.49974004, 12.49889889,
        7.50112707, 10.50058422, 13.50058903,  6.5006736 ,  7.50071408,
       12.49902023, 12.49977279,  9.50028324,  8.49726667, 17.49781892,
        9.49910605, 12.49917837,  9.50022089, 19.49792172, 12.49901928,
       13.49868487, 15.49820173, 13.49872947, 12.49984554,  7.50010657,
       10.50093311,  8.50005347,  7.5005566 , 12.4978692 , 12.50138083,
       12.49907049, 13.49961932, 21.49461235, 11.49904328, 15.50006127,
       11.50024054, 11.50085611, 13.50075281,  5.50201701, 13.49820263,
        8.50010804, 14.49931426,  7.50047271,  9.50046081, 18.49641158,
       16.49860734, 10.50096088, 12.49994405,  8.50034343, 12.49983615,
        9.5015715 ,  8.50083609,  8.50189059, 11.50085119, 12.50014861,
       10.50123859, 11.50023492, 10.49975109,  9.49954469, 17.49867789,
       17.49680703, 14.49935963,  7.50078546, 10.49958009, 11.50107338,
       10.50077314,  9.50041047,  9.49936304,  9.4997197 ,  6.50125606,
        9.50043505, 12.50382907,  6.50132607, 10.50114861, 10.49971587,
        7.50045206,  9.5015817 ,  8.49986701, 11.50207027, 12.49860512,
       13.49914014,  9.49995043, 10.50030766, 11.5005487 ,  6.50045926,
       17.49771651,  8.5005182 ,  7.50047062, 16.49762049, 10.50008629,
       11.49874105,  4.50288613,  7.50170574, 11.50031156, 12.50118306,
       13.4989377 ,  6.50086288,  9.50005726,  6.5022137 , 14.49918211,
       10.50001208, 12.49962885,  8.50108409, 10.49958936, 16.49779777,
        9.50165114, 11.49941542,  9.50007815,  6.50112219, 10.49999025,
       20.49464682, 10.50056913,  9.50049124, 10.50073363, 12.49952764,
       10.50040476, 10.49925365, 10.49983032,  6.50076637, 16.49992689,
       11.49986712, 15.49804416, 13.50201359,  9.50113749, 13.49829438,
       12.50082333,  6.50152373, 11.50153414, 12.49888147, 24.49353764,
        5.50144224, 12.49889693, 12.49996378, 11.49981215, 10.50171407,
       10.50042304, 10.50004912,  9.50184512,  6.50072229, 14.49966139,
       13.50007829, 15.49868761,  9.49993919, 12.4990136 , 11.50111954,
       15.50027282, 14.49901346, 13.4983092 , 13.50022049, 13.4975531 ,
        8.50161545,  8.50111961,  8.49945137, 20.4952136 , 10.49896188,
       16.49808778,  9.4996103 ,  5.50130048,  9.49984566, 10.50059188,
       11.49944313, 13.49868082, 10.50174651, 10.50021301, 10.50047267,
        9.50068078, 13.49962659,  8.50048695, 12.49997977, 21.49646078,
        9.50269496,  8.50059127, 13.50046987, 14.49744477, 12.49951538,
       15.498517  ,  7.50086066,  9.50062422, 10.50035655, 12.50281657,
       10.50098673,  9.50093911, 10.50150822, 12.49813327, 21.49399527,
       10.49948879, 13.49814716,  8.50012488,  7.50109336,  8.50069277,
       12.49983075,  8.50132351, 10.49990531, 10.49986471,  6.50107222,
       10.50113735, 10.502779  , 10.50023582, 11.49995925, 12.49956409,
        8.50025394, 13.49986242,  9.4997132 , 11.49971752, 13.49876865,
       14.49902401, 10.49844753, 11.50032384, 12.4996862 , 11.5019668 ,
        9.49952908, 10.49959705,  5.50139543, 10.50016579,  8.50022472,
        9.50008915,  7.50052427,  7.50049206, 10.50012499, 13.50206251,
       11.4993959 ,  9.50027709, 16.49854085, 11.49964548, 14.49768724,
       11.49871252,  9.50118964, 11.49989812, 15.49826947,  9.50087287,
       10.50031661, 13.49925079,  9.49985932,  9.50086018, 13.50338557,
       10.50198265, 11.49925525,  8.49986133,  9.50009072, 11.50038118,
       12.49991894, 15.49748064, 11.49996695, 11.49995931, 16.49850259,
        9.50101524, 10.49978064, 10.50048483, 24.49532792, 11.50007399,
        9.5003005 ,  9.50224891,  6.50224748, 10.50105874, 11.49966413,
```

```
14.499018  ,  8.50085836,  9.50063122, 12.49996277, 14.49869103,
10.50011407, 13.49888208, 12.49964664, 11.50095718, 11.50158103,
 7.50047506,  6.50084902, 13.50051499, 16.4988989 ,  8.50027107,
 6.5011911 , 11.49869465, 11.501799  , 14.49810855, 11.50074209,
12.49932217, 11.50054662, 10.50002095,  8.50053842, 14.49827086,
11.49942724, 11.50000809,  8.50060805, 10.50013545, 14.49737553,
 6.50149193,  7.50052122, 10.50027794,  8.50058943, 12.49936826,
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In [165…

```
pred1_train=r.predict(X_train)
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In [182…

```
pred2=l.predict(X_test)
pred2
```

```
[14.91784838]
/usr/local/lib/python3.7/dist-packages/sklearn/base.py:451: UserWarning: X doe
s not have valid feature names, but Lasso was fitted with feature names
  "X does not have valid feature names, but"
```

Out[182…

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11.48694377, 11.48694377, 10.80076303, 13.54548596,  9.42840157,
10.80076303, 24.52437766, 11.48694377, 10.1145823 , 10.80076303,
 8.74222084, 11.48694377, 11.48694377, 18.34875108, 10.80076303,
10.1145823 , 12.1731245 ,  8.74222084, 12.1731245 , 13.54548596,
 8.74222084,  8.05604011,  9.42840157, 10.80076303, 10.1145823 ,
 9.42840157, 14.23166669, 10.1145823 ,  9.42840157,  9.42840157,
18.34875108,  7.36985938, 11.48694377,  8.74222084, 13.54548596,
 9.42840157, 12.1731245 , 10.80076303, 17.66257035, 10.80076303,
 9.42840157, 12.1731245 , 11.48694377, 17.66257035, 10.1145823 ,
15.60402815,  9.42840157, 12.1731245 ,  9.42840157,  8.74222084,
12.85930523, 10.80076303, 11.48694377,  8.74222084, 12.85930523,
 9.42840157, 10.80076303, 10.1145823 ,  9.42840157, 12.1731245 ,
10.1145823 , 10.1145823 , 10.1145823 , 12.1731245 , 11.48694377,
12.85930523,  9.42840157,  9.42840157, 10.1145823 , 19.03493181,
 9.42840157,  7.36985938,  9.42840157,  8.74222084, 12.85930523,
11.48694377, 10.80076303,  9.42840157, 10.80076303,  8.74222084,
 9.42840157, 12.1731245 , 12.1731245 , 12.1731245 , 10.1145823 ,
12.1731245 ,  8.74222084, 19.72111254, 11.48694377, 10.80076303,
16.29020888, 14.23166669,  9.42840157,  9.42840157, 15.60402815,
10.80076303, 10.1145823 , 13.54548596, 11.48694377, 12.85930523,
10.1145823 , 12.1731245 , 12.85930523, 10.80076303, 14.23166669,
10.80076303, 12.1731245 , 10.80076303,  6.68367865, 14.23166669,
11.48694377,  9.42840157,  9.42840157,  8.74222084,  9.42840157,
 9.42840157, 10.80076303, 10.80076303,  9.42840157,  8.74222084,
```

```
       10.80076303,  9.42840157, 11.48694377, 11.48694377, 11.48694377,
       12.1731245 , 11.48694377, 12.1731245 , 17.66257035, 10.1145823 ,
        8.05604011,  8.74222084, 12.1731245 ,  8.05604011, 10.1145823 ,
       10.1145823 , 10.80076303, 13.54548596,  8.05604011,  9.42840157,
       10.80076303, 12.1731245 , 12.85930523,  9.42840157, 16.29020888,
        7.36985938])
```

In [168…
```
pred2_train=l.predict(X_train)
```

In [169…
```
profit=pd.DataFrame({'Actual':y_test,'ridge_pred':pred1,'lasso_pred':pred2})
profit.head(10)
```

Out[169…

| | Actual | ridge_pred | lasso_pred |
|---|---|---|---|
| **668** | 14.5 | 14.500147 | 13.545486 |
| **1580** | 9.5 | 9.500438 | 10.114582 |
| **3784** | 12.5 | 12.499533 | 12.173124 |
| **463** | 6.5 | 6.500696 | 8.056040 |
| **2615** | 13.5 | 13.499281 | 12.859305 |
| **1399** | 12.5 | 12.500481 | 12.173124 |
| **2054** | 8.5 | 8.500679 | 9.428402 |
| **2058** | 9.5 | 9.501263 | 10.114582 |
| **217** | 8.5 | 8.500840 | 9.428402 |
| **1931** | 10.5 | 10.501869 | 10.800763 |

## ● TESTING THE MODEL

In [184…
```
#TESTING BY RANDOM VALUE
p=r.predict([[-0.645490 ,-0.504337      ,-1.198473      ,-0.641898      ,-0.6
print(p)
p1=l.predict([[-0.645490,-0.504337,-1.198473,-0.641898,-0.607685,-0.726212,
print(p1)
```

```
[16.49608753]
[14.91784838]
/usr/local/lib/python3.7/dist-packages/sklearn/base.py:451: UserWarning: X doe
s not have valid feature names, but Ridge was fitted with feature names
  "X does not have valid feature names, but"
/usr/local/lib/python3.7/dist-packages/sklearn/base.py:451: UserWarning: X doe
s not have valid feature names, but Lasso was fitted with feature names
  "X does not have valid feature names, but"
```

## ● EVALUATING THE MODEL

In [170…
```
from sklearn import metrics
```

In [172…
```
# R-Square
# testing accuracy for both model
print(metrics.r2_score(y_test,pred1))
print(metrics.r2_score(y_test,pred2))
```

```
0.999999810855846
0.901379230281694
```

In [173…
```
#Training accuracy for both model

print(metrics.r2_score(y_train,pred1_train))
print(metrics.r2_score(y_train,pred2_train))
```

```
0.9999998077018943
0.9015174665415234
```

In [174…
```
## MSE(Mean square error)

print(metrics.mean_squared_error(y_test,pred1))
print(metrics.mean_squared_error(y_test,pred2))
```

```
2.0541643593572257e-06
1.0710522419608044
```

In [175…
```
## RMSE

print(np.sqrt(metrics.mean_squared_error(y_test,pred1)))
print(np.sqrt(metrics.mean_squared_error(y_test,pred2)))
```

```
0.001433235625902882
1.0349165386449308
```

In [ ]:
```

```