```
X[4] <= 0.045
gini = 0.496
samples = 11
value = [5, 6]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[1] <= 0.34
gini = 0.408
samples = 7
value = [5, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                            X[0] <= 41.54
gini = 0.278
samples = 6
value = [5, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[1] <= 0.383
gini = 0.245
samples = 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[3] \le 0.118
gini = 0.494
samples = 750

gini = 0.0 

samples = 4 

value = [4, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[3] <= 0.107
gini = 0.494
samples = 745
value = [333, 412]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.0
samples = 5
value = [0, 5]
                                                                                                                                                                                                                               X[0] \le 68.83

gini = 0.32

samples = 5

value = [1, 4]
X[0] \le 69.97

gini = 0.49

samples = 7

value = [3, 4]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  X[1] <= 0.755
gini = 0.494
samples = 698
value = [312, 386]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[4] \le 0.113

gini = 0.255

samples = 20

value = [3, 17]
                                                                                  X[0] <= 48.935
gini = 0.375
samples = 4
value = [1, 3]
                                                                                                                                                                                                                                                                                                                                                                       gini = 0.0

samples = 1

value = [0, 1]
X[3] <= 0.0
gini = 0.408

samples = 7

value = [5, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[1] \le 0.795

gini = 0.455

samples = 20

value = [13, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.0

samples = 4

value = [4, 0]
X[0] <= 36.115
gini = 0.444

samples = 3

value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.0

samples = 2

value = [2, 0]
X[1] <= 0.559
gini = 0.457

samples = 17

value = [6, 11]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.0
samples = 1
value = [1, 0]
                           X[0] <= 45.76
gini = 0.5
samples = 2
value = [1, 1]

gini = 0.0 

samples = 2 

value = [0, 2]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[1] <= 0.377
gini = 0.32
samples = 5
value = [1, 4]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.0
samples = 4
value = [4, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[1] <= 0.175
gini = 0.493
samples = 678
value = [299, 379]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 6 \\ \text{value} = [6, 0] \end{array}
X[0] <= 48.855 \\ \text{gini} = 0.5 \\ \text{samples} = 14 \\ \text{value} = [7, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X[0] <= 70.85
gini = 0.48
samples = 5
value = [2, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.0

samples = 2

value = [2, 0]
X[0] <= 88.675
gini = 0.444

samples = 3

value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[1] \le 0.256

gini = 0.494

samples = 674

value = [299, 375]
\begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array} \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}
                                                                                                                                               \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                gini = 0.0
samples = 1
value = [0, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                             \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 1\\ \text{value} = [1, 0] \end{array} \qquad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 2\\ \text{value} = [0, 2] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.0

samples = 10

value = [0, 10]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 4 \\ \text{value} = [0, 4] \end{array} \\ \begin{array}{c} X[3] <= 0.029 \\ \text{gini} = 0.42 \\ \text{samples} = 10 \\ \text{value} = [7, 3] \end{array} \\ \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0, 2] \end{array} \\ \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array} \\ \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array} \\ \begin{array}{c} X[1] <= 0.573 \\ \text{gini} = 0.219 \\ \text{samples} = 8 \\ \text{value} = [1, 7] \end{array} 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X[3] <= 0.009

gini = 0.444

samples = 27

value = [18, 9]
gini = 0.0

samples = 2

value = [0, 2]
X[4] <= 0.03

gini = 0.444

samples = 3

value = [2, 1]
gini = 0.0

samples = 5

value = [5, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[4] <= 0.015

gini = 0.18

samples = 10

value = [1, 9]
gini = 0.0

samples = 3

value = [3, 0]
X[4] <= 0.052

gini = 0.444

samples = 3

value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                         gini = 0.0

samples = 1

value = [1, 0]
X[0] <= 74.205
gini = 0.375

samples = 4

value = [1, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array}
\begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 6 \\ \text{value} = [6, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X[0] \le 63.445

gini = 0.219

samples = 8

value = [7, 1]

gini = 0.0

samples = 2

value = [0, 2]

\begin{array}{c}
gini = 0.0 \\
samples = 5 \\
value = [5, 0]
\end{array}

X[3] <= 0.06 \\
gini = 0.495 \\
samples = 639 \\
value = [286, 353]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X[4] <= 0.018
gini = 0.403
samples = 25
value = [18, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.0

samples = 6

value = [0, 6]
 | X[0] <= 80.9 \\
gini = 0.5 \\
samples = 2 \\
value = [1, 1]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X[2] \le 0.146

gini = 0.497

samples = 13

value = [6, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0, 2] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array} \quad \begin{array}{c} X[2] <= 0.312 \\ \text{gini} = 0.493 \\ \text{samples} = 629 \\ \text{value} = [278, 351] \end{array} \quad \begin{array}{c} X[0] <= 88.285 \\ \text{gini} = 0.32 \\ \text{samples} = 10 \\ \text{value} = [8, 2] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[0] <= 89.465
gini = 0.133
samples = 14
value = [1, 13]
                                                                                                                                                                                                                                                                                                                                                                                                                  \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}
\begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}
\begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0, 2] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[0] <= 65.285
gini = 0.444
samples = 3
value = [2, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[0] \le 35.815

gini = 0.48

samples = 5

X[2] \le 0.146

gini = 0.32

samples = 20

\begin{array}{c}
gini = 0.0 \\
samples = 3 \\
value = [3, 0]
\end{array}

X[4] <= 0.042 \\
gini = 0.198 \\
samples = 9 \\
value = [8, 1]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.0

samples = 2

value = [2,0]
X[0] <= 38.12
gini = 0.266

samples = 19

value = [16, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[3] <= 0.001
gini = 0.493
samples = 626
value = [275, 351]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[3] <= 0.067

y_1 = 0.5

y_2 = 0.067

y_3 = 0.5

y_4 = 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[3] <= 0.001
gini = 0.493
samples = 619
value = [274, 345]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X[0] \le 87.685

gini = 0.444

samples = 3

value = [2, 1]
X[2] \le 0.229

gini = 0.245

samples = 7

value = [1, 6]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.0

samples = 1

value = [0, 1]
X[4] <= 0.004
gini = 0.245

samples = 7

value = [1, 6]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \begin{array}{c} gini = 0.0 \\ samples = 1 \\ value = [0, 1] \end{array}
\begin{array}{c} gini = 0.0 \\ samples = 1 \\ value = [1, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[0] <= 82.83
gini = 0.5
samples = 2
value = [1, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.0
samples = 7
value = [7, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 2\\ \text{value} = [2,0] \end{array} \quad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 1\\ \text{value} = [0,1] \end{array} \quad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 6\\ \text{value} = [0,6] \end{array} \quad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 1\\ \text{value} = [1,0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array}
\begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X[0] <= 42.635
gini = 0.5
samples = 6
value = [3, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[4] <= 0.011
gini = 0.493
samples = 604
value = [266, 338]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[4] \le 0.012

gini = 0.496

samples = 465

value = [212, 2f]

\begin{array}{c}
gini = 0.0 \\
samples = 3 \\
value = [0, 3]
\end{array}

\begin{array}{c}
gini = 0.0 \\
samples = 3 \\
value = [3, 0]
\end{array}

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               X[3] <= 0.003
gini = 0.475
samples = 139
value = [54, 85]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[3] \le 0.003

gini = 0.278

samples = 12

value = [10, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.375
samples = 48
value = [12, 36]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | value = [42, 49]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.0
samples = 2
value = [2, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0, 2] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 3 \\ \text{value} = [3, 0] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [2, 0] \end{array} \quad \begin{array}{c} X[3] <= 0.002 \\ \text{gini} = 0.494 \\ \text{samples} = 447 \\ \text{value} = [200, 247] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[0] <= 67.81
gini = 0.375
samples = 4
value = [3, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.0

samples = 3

value = [0, 3] X[1] <= 0.372

gini = 0.498

samples = 86

value = [40, 46]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[3] <= 0.004
gini = 0.49
samples = 14
value = [6, 8]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \begin{array}{|c|c|c|}\hline gini = 0.0\\ samples = 1\\ value = [0, 1] \end{array} \quad \begin{array}{|c|c|c|}\hline gini = 0.0\\ samples = 3\\ value = [3, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.0
samples = 2
value = [2, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X[3] <= 0.007
gini = 0.278
samples = 6
value = [1, 5]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X[0] <= 75.915
gini = 0.188
samples = 19
value = [2, 17]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[3] <= 0.003
gini = 0.469
samples = 8
value = [5, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X[0] <= 39.595
gini = 0.492
samples = 425
value = [186, 239]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[4] <= 0.008
gini = 0.245
samples = 7
value = [1, 6]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X[0] \le 41.33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  value = [12, 8]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | value = [36, 40]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[1] \le 0.463

gini = 0.278

samples = 6

value = [1, 5]
X[0] \le 40.43

gini = 0.493

samples = 419

value = [185, 234]

gini = 0.0 

samples = 5 

value = [5, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X[3] <= 0.003

gini = 0.32

samples = 10

value = [2, 8]
X[4] <= 0.005

gini = 0.499

samples = 62

value = [30, 32]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[0] \le 48.63

gini = 0.42

samples = 10

value = [3, 7]

gini = 0.0 

samples = 5 

value = [5, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array} \qquad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}

gini = 0.0 \\
samples = 1 \\
value = [0, 1]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.0
samples = 14
value = [0, 14]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[2] <= 0.062
gini = 0.444
samples = 3
value = [1, 2]

gini = 0.0 

samples = 1 

value = [1, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 4 \\ \text{value} = [4, 0] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array} \quad \begin{array}{c} X[4] <= 0.033 \\ \text{gini} = 0.245 \\ \text{samples} = 7 \\ \text{value} = [1, 6] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[0] <= 42.92
gini = 0.375
samples = 4
value = [3, 1]

\begin{array}{c}
gini = 0.0 \\
samples = 2 \\
value = [0, 2]
\end{array}

gini = 0.0 \\
samples = 1 \\
value = [1, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \begin{array}{|c|c|c|}\hline gini = 0.0\\ samples = 6\\ value = [0, 6] \end{array} \quad \begin{array}{|c|c|c|}\hline gini = 0.0\\ samples = 4\\ value = [4, 0] \end{array} \quad \begin{array}{|c|c|c|c|}\hline gini = 0.0\\ samples = 1\\ value = [0, 1] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[1] <= 0.428
gini = 0.493
samples = 407
value = [180, 227]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[1] \le 0.442

gini = 0.486

samples = 248

value = [103, 145]
gini = 0.0

samples = 1

value = [0, 1]
gini = 0.0

samples = 3

value = [3, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.0

samples = 5

value = [0, 5]
X[1] <= 0.48
gini = 0.5

samples = 2

value = [1, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X[0] <= 42.55
gini = 0.5
samples = 159
value = [77, 82]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 3 \\ \text{value} = [0, 3] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [2, 0] \end{array} \quad \begin{array}{c} X[0] <= 66.31 \\ \text{gini} = 0.278 \\ \text{samples} = 6 \\ \text{value} = [5, 1] \end{array} \quad \begin{array}{c} X[1] <= 0.625 \\ \text{gini} = 0.495 \\ \text{samples} = 40 \\ \text{value} = [18, 22] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X[3] <= 0.008
gini = 0.493
samples = 225
value = [99, 126]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1,0] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0,1] \end{array} \quad \begin{array}{c} X[4] <= 0.016 \\ \text{gini} = 0.401 \\ \text{samples} = 18 \\ \text{value} = [13,5] \end{array} \quad \begin{array}{c} X[0] <= 47.97 \\ \text{gini} = 0.496 \\ \text{samples} = 141 \\ \text{value} = [64,77] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.287
samples = 23
value = [4, 19]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X[3] \le 0.005

gini = 0.49

samples = 7

value = [3, 4]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 5 \\ \text{value} = [5, 0] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array} \quad \begin{array}{c} X[0] <= 43.355 \\ \text{gini} = 0.5 \\ \text{samples} = 35 \\ \text{value} = [18, 17] \end{array}

gini = 0.0 

samples = 5 

value = [0, 5]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[1] <= 0.399
gini = 0.494
samples = 9
value = [5, 4]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[4] <= 0.02
gini = 0.498
samples = 115
value = [54, 61]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.0
samples = 7
value = [7, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 3\\ \text{value} = [0, 3] \end{array} \quad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 2\\ \text{value} = [2, 0] \end{array} \quad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 7\\ \text{value} = [7, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[0] <= 48.57
gini = 0.198
samples = 9
value = [8, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[0] \le 42.305

gini = 0.444

samples = 6

value = [4, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[4] <= 0.032

gini = 0.491

samples = 83

value = [36, 47]
X[1] <= 0.59

gini = 0.18

samples = 20

value = [2, 18]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.298
samples = 22
value = [4, 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[4] <= 0.016
gini = 0.298
samples = 11
value = [2, 9]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X[4] <= 0.025
gini = 0.444
samples = 3
value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               X[1] <= 0.385
gini = 0.5
samples = 2
value = [1, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \begin{array}{|c|c|c|c|c|}\hline gini = 0.0 \\ samples = 3 \\ value = [3,0] \\ \end{array} \quad \begin{array}{|c|c|c|c|c|}\hline gini = 0.0 \\ samples = 3 \\ value = [0,3] \\ \hline \end{array} \quad \begin{array}{|c|c|c|c|c|}\hline X[0] <= 42.815 \\ gini = 0.278 \\ samples = 6 \\ value = [5,1] \\ \hline \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.0

samples = 7

value = [7,0]
X[4] <= 0.012
gini = 0.495

samples = 98

value = [44, 54]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[4] <= 0.023
gini = 0.5
samples = 104
value = [52, 52]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[3] \le 0.005

gini = 0.133

samples = 14

value = [1, 13]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.0
samples = 12
value = [0, 12]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[4] \le 0.009

gini = 0.432

samples = 19

value = [6, 13]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  X[4] \le 0.025

gini = 0.5

samples = 69

value = [35, 34]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[4] <= 0.018
gini = 0.375
samples = 8
value = [2, 6]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[0] \le 47.18

gini = 0.444

samples = 3

value = [2, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[3] <= 0.003
gini = 0.117
samples = 16
value = [1, 15]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[3] \le 0.005

gini = 0.375

samples = 4

value = [1, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[0] <= 42.115
gini = 0.278
samples = 12
value = [10, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[1] <= 0.43
gini = 0.32
samples = 5
value = [4, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X[4] \le 0.018

gini = 0.375

samples = 4

value = [1, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[3] \le 0.004

gini = 0.444

samples = 3

value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[0] \le 48.083

gini = 0.245

samples = 7

value = [1, 6]
X[3] \le 0.002

gini = 0.408

samples = 7

value = [5, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 4 \\ \text{value} = [4, 0] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 4 \\ \text{value} = [0, 4] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array} \qquad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [2, 0] \end{array}
\begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[0] <= 49.26
gini = 0.18
samples = 10
value = [1, 9]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[0] <= 84.795
gini = 0.32
samples = 5
value = [1, 4]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.0
samples = 4
value = [0, 4]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.0

samples = 1

value = [0, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[1] <= 0.576
gini = 0.5
samples = 47
value = [24, 23]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.0
samples = 12
value = [0, 12]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[4] \le 0.025
gini = 0.499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.0

samples = 1

value = [1, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     samples = 93
value = [45, 48]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[1] \le 0.468

gini = 0.492

samples = 39

value = [17, 22]
X[0] \le 41.525

gini = 0.219

samples = 8

value = [7, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.0

samples = 3

value = [3,0]
X[1] <= 0.466
gini = 0.498

samples = 90

value = [42,48]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.0

samples = 1

value = [1,0]
gini = 0.0

samples = 2

value = [0,2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.0
samples = 4
value = [4, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.0

samples = 4

value = [4, 0]
X[3] <= 0.003
gini = 0.467

samples = 35

value = [13, 22]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array}
\begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array}
\begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}

\begin{array}{c}
gini = 0.0 \\
samples = 1 \\
value = [1, 0]
\end{array}

gini = 0.0 \\
samples = 1 \\
value = [0, 1]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[0] <= 87.485
gini = 0.444
samples = 12
value = [8, 4]

gini = 0.0 

samples = 1 

value = [0, 1]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[1] <= 0.401
gini = 0.473
samples = 73
value = [28, 45]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[0] <= 52.405
gini = 0.18
samples = 10
value = [1, 9]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X[3] <= 0.056
gini = 0.499
samples = 67
value = [32, 35]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  X[4] <= 0.017
gini = 0.278
samples = 18
value = [3, 15]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.48
samples = 5
value = [2, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          samples = 8
value = [7, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[2] <= 0.062
gini = 0.444
samples = 3
value = [2, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[3] <= 0.003

gini = 0.49

samples = 7

value = [3, 4]
gini = 0.0

samples = 2

value = [0, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.0

samples = 5

value = [5,0]
X[0] <= 48.545
gini = 0.444

samples = 3

value = [1,2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[0] <= 56.655
gini = 0.444
samples = 3
value = [2, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.0
samples = 11
value = [0, 11]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.0
samples = 7
value = [0, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gini = 0.0

samples = 4

value = [0, 4]
X[3] <= 0.007
gini = 0.49

samples = 65

value = [28, 37]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.0
samples = 3
value = [0, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X[4] \le 0.031

gini = 0.494

samples = 63

value = [28, 35]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X[3] <= 0.004
gini = 0.444
samples = 15
value = [10, 5]

gini = 0.0 

samples = 2 

value = [2, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.0
samples = 3
value = [0, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [0, 2] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array} \quad \begin{array}{c} X[0] <= 89.25 \\ \text{gini} = 0.298 \\ \text{samples} = 11 \\ \text{value} = [2, 9] \end{array} \quad \begin{array}{c} X[0] <= 79.15 \\ \text{gini} = 0.5 \\ \text{samples} = 52 \\ \text{value} = [26, 26] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[3] \le 0.004

gini = 0.496

samples = 11

value = [6, 5]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[4] <= 0.019
gini = 0.32
samples = 5
value = [4, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [2, 0] \end{array} \quad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [2, 0] \end{array} \quad \begin{array}{c} \text{X[4]} <= 0.022 \\ \text{gini} = 0.32 \\ \text{samples} = 5 \\ \text{value} = [1, 4] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               X[0] <= 56.57
gini = 0.48
samples = 60
value = [24, 36]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [2, 0] \end{array}
\begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [0, 1] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[2] <= 0.062

gini = 0.18

samples = 10

value = [1, 9]
gini = 0.0

samples = 1

value = [1, 0]
X[0] <= 63.465

gini = 0.475

samples = 36

value = [22, 14]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \begin{array}{|c|c|c|c|c|}\hline gini = 0.0 \\ samples = 4 \\ value = [0, 4] \\ \hline \end{array} \quad \begin{array}{|c|c|c|c|c|}\hline gini = 0.0 \\ samples = 1 \\ value = [1, 0] \\ \hline \end{array} \quad \begin{array}{|c|c|c|c|c|}\hline X[1] <= 0.512 \\ gini = 0.375 \\ samples = 8 \\ value = [6, 2] \\ \hline \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 3 \\ \text{value} = [3, 0] \end{array} \quad \begin{array}{c} X[0] <= 49.785 \\ \text{gini} = 0.499 \\ \text{samples} = 23 \\ \text{value} = [12, 11] \end{array} \quad \begin{array}{c} X[0] <= 61.745 \\ \text{gini} = 0.438 \\ \text{samples} = 37 \\ \text{value} = [12, 25] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[1] <= 0.385
gini = 0.5
samples = 2
value = [1, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[0] <= 89.885
gini = 0.444
samples = 3
value = [2, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[3] \le 0.009

gini = 0.499

samples = 23

value = [11, 12]
X[1] \le 0.556

gini = 0.26

samples = 13

value = [11, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[3] <= 0.007
gini = 0.48
samples = 20
value = [12, 8]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[0] <= 90.31
gini = 0.26
samples = 13
value = [2, 11]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.0
samples = 1
value = [0, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.0
samples = 3
value = [0, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[4] <= 0.039
gini = 0.475
samples = 31
value = [12, 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.0
samples = 6
value = [0, 6]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[2] <= 0.104
gini = 0.5
samples = 4

gini = 0.0 

samples = 4 

value = [4, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.0
samples = 7
value = [0, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[3] \le 0.008

gini = 0.499

samples = 23

value = [11, 12]
X[0] \le 80.89

gini = 0.219

samples = 8

value = [1, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X[3] <= 0.004
gini = 0.444
samples = 3
value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[3] <= 0.009

gini = 0.32

samples = 5

value = [4, 1]
X[1] <= 0.637

gini = 0.475

samples = 18

value = [7, 11]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[0] \le 89.26

gini = 0.153

samples = 12

value = [1, 11]
gini = 0.0

samples = 1

value = [1, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[4] <= 0.04
gini = 0.5
samples = 4
value = [2, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[3] <= 0.026

gini = 0.459

samples = 14

value = [9, 5]
yalue = [0, 3]
X[0] <= 65.295

gini = 0.495

samples = 20

value = [11, 9]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 7\\ \text{value} = [0, 7] \end{array} \quad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 1\\ \text{value} = [1, 0] \end{array}

gini = 0.0 

samples = 2 

value = [0, 2]

gini = 0.0 

samples = 1 

value = [1, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.0

samples = 9

value = [0, 9]
X[2] <= 0.104
gini = 0.444

samples = 3

value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 2 \\ \text{value} = [2, 0] \end{array} \qquad \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 1 \\ \text{value} = [1, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  value = [1, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[3] <= 0.014
gini = 0.5
samples = 10
value = [5, 5]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \begin{array}{c|c} gini = 0.0 \\ samples = 1 \\ value = [1, 0] \end{array} \quad \begin{array}{c} gini = 0.0 \\ samples = 2 \\ value = [0, 2] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 2\\ \text{value} = [0, 2] \end{array} \qquad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 1\\ \text{value} = [1, 0] \end{array}

gini = 0.0 

samples = 1 

value = [1, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.0
samples = 4
value = [4, 0]

gini = 0.0 

samples = 4 

value = [4, 0]

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[3] \le 0.01

gini = 0.49

samples = 7

value = [3, 4]
X[0] \le 50.395

gini = 0.219

samples = 8

value = [1, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[1] <= 0.367
gini = 0.408
samples = 7
value = [2, 5]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.0
samples = 3
value = [3, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.0

samples = 3

value = [0, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[3] \le 0.017
gini = 0.497
samples = 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \begin{array}{c} \text{gini} = 0.0 \\ \text{samples} = 3 \\ \text{value} = [0, 3] \end{array}
\begin{array}{c} X[1] <= 0.516 \\ \text{gini} = 0.375 \\ \text{samples} = 4 \\ \text{value} = [3, 1] \end{array}
X[1] <= 0.565 \\ \text{gini} = 0.5 \\ \text{samples} = 2 \\ \text{value} = [1, 1] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.0

samples = 1

value = [1, 0]
X[2] <= 0.104
gini = 0.278

samples = 6

value = [1, 5]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  X[3] \le 0.011

gini = 0.408

samples = 7

value = [2, 5]
X[0] \le 81.845

gini = 0.278

samples = 6

value = [5, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[4] <= 0.016

gini = 0.444

samples = 3

value = [2, 1]
gini = 0.0

samples = 4

value = [0, 4]
gini = 0.0

samples = 5

value = [5, 0]
gini = 0.0

samples = 1

value = [0, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 1\\ \text{value} = [0, 1] \end{array} \quad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 3\\ \text{value} = [3, 0] \end{array} \quad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 1\\ \text{value} = [0, 1] \end{array} \quad \begin{array}{c} \text{gini} = 0.0\\ \text{samples} = 1\\ \text{value} = [1, 0] \end{array}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.0

samples = 4

value = [0, 4]
X[0] <= 52.26
gini = 0.5

samples = 2

value = [1, 1]
```