```
X[11961] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[11961] \le 1.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             samples = 1792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     samples = 8008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  value = [4462, 3546]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           value = [436, 1356]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X[1578] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[13012] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[14981] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          samples = 2933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 5075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             samples = 1241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       value = [1187, 1746]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 value = [3275, 1800]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           value = [210, 1031]
                                                                                                                                                                                                                                                                                                                                                                                                                                                               X[5021] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[4636] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[1150] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          samples = 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 samples = 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        samples = 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 2667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      samples = 4918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 1204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          value = [25, 241]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                value = [28, 129]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      value = [20, 17]
                                                                                                                                                                                                                                                                                                                                                                                                                                                            value = [1162, 1505]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [3247, 1671]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         value = [190, 1014]
                                                                                                                                                                                                                                                                                                                                                                                                                                    X[10438] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[8503] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[1578] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.198
                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.486
samples = 2569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.438
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   samples = 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     samples = 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 samples = 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     samples = 4712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 1195
                                                                                                                                                                                                                                                                                                                                                                                                                                                               value = [91, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 value = [61, 145]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     value = [8, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    value = [3186, 1526]
                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [1071, 1498]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        value = [182, 1013]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X[7628] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                              X[4636] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[18951] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.422
                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.252
                                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   samples = 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 366
                                                                                                                                                                                                                                                                                                                                                                                                                              samples = 2238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          samples = 4346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 1189
                                                                                                                                                                                                                                                                                                                                                                                                                                                         value = [60, 271]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      value = [152, 214]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  value = [6, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       value = [176, 1013]
                                                                                                                                                                                                                                                                                                                                                                                                                            value = [1011, 1227]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         value = [3034, 1312]
                                                                                                                                                                                                                                                                                                                                                                                                                           X[1202] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[6448] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  X[5868] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[18011] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.475
                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 samples = 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 141
                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 2097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     samples = 1171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      samples = 3166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 1180
                                                                                                                                                                                                                                                                                                                                                                                                                                                      value = [16, 125]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               value = [11, 7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    value = [165, 1006]
                                                                                                                                                                                                                                                                                                                                                                                                                          value = [995, 1102]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    value = [2357, 809]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               value = [677, 503]
                                                                                                                                                                                                                                                                                                                                                                                                        X[7628] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[8363] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               X[19650] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X[2473] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | gini = 0.397
                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.134
samples = 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.234
                                                                                                                                                                                                                                                                                                                                                                                                         gini = 0.497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              samples = 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 66
                                                                                                                                                                                                                                                                                                                                                                                                         samples = 2028
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                samples = 1114
                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 3044
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 1160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      value = [47, 75]
                                                                                                                                                                                                                                                                                                                                                                                                                                  value = [64, 5]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         value = [16, 50]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             value = [8, 3]
                                                                                                                                                                                                                                                                                                                                                                                                      value = [931, 1097]
                                                                                                                                                                                                                                                                                                                                                                                                                                                           value = [2310, 734]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               value = [661, 453]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [157, 1003]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[11961] <= 1.5
gini = 0.488
                                                                                                                                                                                                                                                                                                                                                                                                                                             X[5603] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[5021] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                 X[10443] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.045
                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.229
samples = 1155
value = [152, 1003]
                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.5
samples = 1625
value = [811, 814]
                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.356
                                                                                                                                                                                                                                                                                                                                                                                                           samples = 403
value = [120, 283]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 64
value = [20, 44]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             samples = 43
value = [42, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 5 value = [5, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   samples = 1071
value = [619, 452]
                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 2980
value = [2290, 690]
                                                                                                                                                                                                                                                                                                                                                                                X[6124] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                   X[10443] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X[8072] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X[14296] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.5
                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.499
                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.499
                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 448
value = [220, 228]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 23
                                                                                                                                                                                                                                                                                                                                                                                                           samples = 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 62
                                                                                                                                                                                                                                                                                                                                                                                                                                 samples = 2918
value = [2270, 648]
                                                                                                                                                                                                                                                                                                                                                                              samples = 1549
value = [802, 747]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      samples = 623
value = [399, 224]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 1132
                                                                                                                                                                                                                                                                                                                                                                                                         value = [9, 67]
                                                                                                                                                                                                                                                                                                                                                                                                                                                            value = [20, 42]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    value = [12, 11]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         value = [140, 992]
                                                                                                                                                                                                                                                                                                                                                                                                                           X[17207] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[17864] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     X[4902] \le 0.5
                                                                                                                                                                                                                                                                                                                                                              X[6448] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.158
                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.415
                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.335

samples = 2842

value = [2237, 605]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.449
                                                                                                                                                                                                                                                                                                                                                               gini = 0.498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 34
value = [10, 24]
                                                                                                                                                                                                                                                                                                                                                                                                                                                        samples = 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 8
                                                                                                                                                                                                                                                                                                                                                                                        samples = 58
                                                                                                                                                                                                                                                                                                                                                            samples = 1491
value = [797, 694]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              samples = 589
value = [389, 200]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   samples = 1124
value = [134, 990]
                                                                                                                                                                                                                                                                                                                                                                                      value = [5, 53]
                                                                                                                                                                                                                                                                                                                                                                                                                                                      value = [33, 43]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             value = [6, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              X[8713] \le 0.5
                                                                                                                                                                                                                                                                                                                                                         X[11892] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                         X[6124] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[18180] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.408
samples = 7
value = [5, 2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.498
                                                                                                                                                                                                                                                                                                                                                         gini = 0.495
samples = 1431
value = [788, 643]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.438
samples = 567
value = [383, 184]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.204
samples = 1117
value = [129, 988]
                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 22
value = [6, 16]
                                                                                                                                                                                                                                                                                                                                                                                    samples = 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 77
                                                                                                                                                                                                                                                                                                                                                                                                                      samples = 2765
value = [2201, 564]
                                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [36, 41]
                                                                                                                                                                                                                                                                                                                                                                                   value = [9, 51]
                                                                                                                                                                                                                                                                                                                                                         X[8072] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                      X[8072] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X[20078] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.455
samples = 499
value = [324, 175]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gini = 0.23
                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.374
                                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.5
                                                                                                                                                                                                                                                                                                                                                       gini = 0.499
samples = 1242
value = [646, 596]
                                                                                                                                                                                                                                                                                                                                                                                                                      gini = 0.316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 54
                                                                                                                                                                                                                                                                                                                                                                                    samples = 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 16
                                                                                                                                                                                                                                                                                                                                                                                                                   samples = 2711
value = [2178, 533]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 1101
value = [121, 980]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         value = [59, 9]
                                                                                                                                                                                                                                                                                                                                                                                                                                                 value = [23, 31]
                                                                                                                                                                                                                                                                                                                                                                                  value = [142, 47]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            value = [8, 8]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X[11525] <= 0.5
gini = 0.191
samples = 1096
value = [117, 979]
                                                                                                                                                                                                                                                                                                                                                 X[13012] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                              X[16432] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                           gini = 0.21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.32
                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.499
                                                                                                                                                                                                                                                                                                                                                gini = 0.498
samples = 1200
value = [641, 559]
                                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 5
value = [4, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 74
                                                                                                                                                                                                                                                                                                                                                                            samples = 42
                                                                                                                                                                                                                                                                                                                                                                                                               samples = 2637
                                                                                                                                                                                                                                                                                                                                                                                                                                         value = [39, 35]
                                                                                                                                                                                                                                                                                                                                                                          value = [5, 37]
                                                                                                                                                                                                                                                                                                                                                                                                             value = [2139, 498]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[18216] <= 0.5
gini = 0.186
samples = 1091
                                                                                                                                                                                                                                                                                                                                          X[17864] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                             X[1148] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.32
                                                                                                                                                                                                                                                                                                                                        gini = 0.495
samples = 1154
value = [634, 520]
                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.3
samples = 2607
value = [2127, 480]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 5 value = [4, 1]
                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 30
                                                                                                                                                                                                                                                                                                                                                                    samples = 46
                                                                                                                                                                                                                                                                                                                                                                   value = [7, 39]
                                                                                                                                                                                                                                                                                                                                                                                                                                        value = [12, 18]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       value = [113, 978]
                                                                                                                                                                                                                                                                                                                                      X[20022] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                             X[11846] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X[12556] \le 0.5
                                                                                                                                                                                                                                                                                                                                                               gini = 0.234
samples = 37
value = [5, 32]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.32
                                                                                                                                                                                                                                                                                                                                        gini = 0.492
                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 5
                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 19
                                                                                                                                                                                                                                                                                                                                                                                                             samples = 2588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 1086
value = [109, 977]
                                                                                                                                                                                                                                                                                                                                       samples = 1117
                                                                                                                                                                                                                                                                                                                                                                                                                                        value = [6, 13]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | value = [4, 1]
                                                                                                                                                                                                                                                                                                                                                                                                            value = [2121, 467]
                                                                                                                                                                                                                                                                                                                                     value = [629, 488]
                                                                                                                                                                                                                                                                                                                  X[19764] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                         X[565] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                X[16774] \le 0.5
                                                                                                                                                                                                                                                                                                                                            gini = 0.26
                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.177

samples = 1083

value = [106, 977]
                                                                                                                                                                                                                                                                                                                   gini = 0.488
samples = 1078
                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.284
                                                                                                                                                                                                                                                                                                                                             samples = 39
                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 3
                                                                                                                                                                                                                                                                                                                                                                                                        samples = 2489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           value = [3, 0]
                                                                                                                                                                                                                                                                                                                                            value = [6, 33]
                                                                                                                                                                                                                                                                                                                                                                                                                                 value = [59, 40]
                                                                                                                                                                                                                                                                                                                 value = [623, 455]
                                                                                                                                                                                                                                                                                                                                                                                                      value = [2062, 427]
                                                                                                                                                                                                                                                                                                                                                                                                                                                        X[5734] \le 0.5
                                                                                                                                                                                                                                                                                                              X[8363] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                  X[11961] \le 1.5
                                                                                                                                                                                                                                                                                                                                                                                                                               gini = 0.49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.0
                                                                                                                                                                                                                                                                                                                                          gini = 0.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.173
samples = 1080
value = [103, 977]
                                                                                                                                                                                                                                                                                                           gini = 0.482
samples = 1020
value = [607, 413]
                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.278
                                                                                                                                                                                                                                                                                                                                                                                                                            samples = 28
value = [12, 16]
                                                                                                                                                                                                                                                                                                                                        samples = 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  samples = 3
                                                                                                                                                                                                                                                                                                                                                                                                 samples = 2461
value = [2050, 411]
                                                                                                                                                                                                                                                                                                                                       value = [16, 42]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 value = [3, 0]
                                                                                                                                                                                                                                                                                                           X[5603] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                   X[12231] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                       X[2890] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                        X[6616] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gini = 0.0

samples = 3
                                                                                                                                                                                                                                                                                                            gini = 0.478
                                                                                                                                                                                                                                                                                                                                                                         gini = 0.328
                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.222
                                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.168
                                                                                                                                                                                                                                                                                                                                      samples = 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                       samples = 1077
                                                                                                                                                                                                                                                                                                            samples = 1005
                                                                                                                                                                                                                                                                                                                                                                        samples = 1239
                                                                                                                                                                                                                                                                                                                                                                                                    samples = 1222
                                                                                                                                                                                                                                                                                                                                    value = [0, 15]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                value = [3, 0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                     value = [100, 977]
                                                                                                                                                                                                                                                                                                          value = [607, 398]
                                                                                                                                                                                                                                                                                                                                                                                                value = [1067, 155]
                                                                                                                                                                                                                                                                                                                                                                       value = [983, 256]
                                                                                                                                                                                                                                                                                         X[565] \le 0.5
                                                                                                                                                                                                                                                                                                                                               X[9645] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                  X[20063] \le 1.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                      X[12189] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                             gini = 0.499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.375
                                                                                                                                                                                                                                                                                                                   gini = 0.236
                                                                                                                                                                                                                                                                                                                                                                           gini = 0.48
                                                                                                                                                                                                                                                                                          gini = 0.474
                                                                                                                                                                                                                                                                                                                                                 gini = 0.31
                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.211
                                                                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.164
                                                                                                                                                                                                                                                                                                                  samples = 22
value = [3, 19]
                                                                                                                                                                                                                                                                                                                                                                          samples = 90
                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               samples = 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                      samples = 1073
value = [97, 976]
                                                                                                                                                                                                                                                                                         samples = 983
                                                                                                                                                                                                                                                                                                                                               samples = 1149
                                                                                                                                                                                                                                                                                                                                                                                                   samples = 1201
                                                                                                                                                                                                                                                                                                                                                                       value = [54, 36]
                                                                                                                                                                                                                                                                                                                                                                                                                            value = [10, 11]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              value = [3, 1]
                                                                                                                                                                                                                                                                                                                                                                                                 value = [1057, 144]
                                                                                                                                                                                                                                                                                                                                              value = [929, 220]
                                                                                                                                                                                                                                                                                       value = [604, 379]
                                                                                                                                                                                                                                                                                                                                  X[20274] <= 0.5
gini = 0.299
samples = 1126
value = [920, 206]
                                                                                                                                                                                                                                                                                                                                                                                          X[11708] \le 0.5
                                                                                                                                                                                                                                                                                 X[11412] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                  X[16014] \le 0.5
                                                                                                                                                                                                                                                                                                           gini = 0.133
                                                                                                                                                                                                                                                                                                                                                             gini = 0.476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.375
                                                                                                                                                                                                                                                                               gini = 0.47
samples = 969
value = [603, 366]
                                                                                                                                                                                                                                                                                                                                                                                         gini = 0.208
samples = 1198
value = [1057, 141]
                                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.16
                                                                                                                                                                                                                                                                                                                                                            samples = 23
value = [9, 14]
                                                                                                                                                                                                                                                                                                                                                                                                                     samples = 3 value = [0, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 4
value = [3, 1]
                                                                                                                                                                                                                                                                                                            samples = 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                 samples = 1069
value = [94, 975]
                                                                                                                                                                                                                                                                                                           value = [1, 13]
                                                                                                                                                                                                                                                                          X[11846] \le 0.5
                                                                                                                                                                                                                                                                                                                              X[17864] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                               X[8958] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                    X[1051] \le 0.5
                                                                                                                                                                                                                                                                                                    gini = 0.136
                                                                                                                                                                                                                                                                                                                                                         gini = 0.0

samples = 5
                                                                                                                                                                                                                                                                                                                                                                                                           gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                             gini = 0.204
samples = 1195
value = [1057, 138]
                                                                                                                                                                                                                                                                                                                               gini = 0.294
                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.156
                                                                                                                                                                                                                                                                            gini = 0.476
                                                                                                                                                                                                                                                                                                                                                                                                                                                             samples = 4
                                                                                                                                                                                                                                                                                                                                                                                                          samples = 3
                                                                                                                                                                                                                                                                                                     samples = 41
                                                                                                                                                                                                                                                                           samples = 928
                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 1065
                                                                                                                                                                                                                                                                                                                               samples = 1121
                                                                                                                                                                                                                                                                                                    value = [38, 3]
                                                                                                                                                                                                                                                                                                                                                       value = [0, 5]
                                                                                                                                                                                                                                                                                                                                                                                                                                                           value = [3, 1]
                                                                                                                                                                                                                                                                                                                                                                                                         value = [0, 3]
                                                                                                                                                                                                                                                                         value = [565, 363]
                                                                                                                                                                                                                                                                                                                             value = [920, 201]
                                                                                                                                                                                                                                                                                                                                                                                                                                    value = [91, 974]
                                                                                                                                                                                                                                                                      X[20079] \le 0.5
                                                                                                                                                                                                                                                                                                                        X[7211] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                           X[5671] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                          X[7875] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.0

samples = 2
                                                                                                                                                                                                                                                                                                  gini = 0.397
                                                                                                                                                                                                                                                                                                                                                   gini = 0.488
                                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                            gini = 0.153
                                                                                                                                                                                                                                                                                                                          gini = 0.285
                                                                                                                                                                                                                                                                                                                                                                             gini = 0.201
                                                                                                                                                                                                                                                                                                                                                                                                    samples = 3
                                                                                                                                                                                                                                                                                                  samples = 33
                                                                                                                                                                                                                                                                                                                                                   samples = 19
                                                                                                                                                                                                                                                                                                                                                                           samples = 1192
                                                                                                                                                                                                                                                                                                                                                                                                                           samples = 1063
                                                                                                                                                                                                                                                                                                                         samples = 1102
                                                                                                                                                                                                                                                                       samples = 895
                                                                                                                                                                                                                                                                                                value = [9, 24]
                                                                                                                                                                                                                                                                                                                                                                                                     value = [0, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [2, 0]
                                                                                                                                                                                                                                                                                                                                                  value = [8, 11]
                                                                                                                                                                                                                                                                                                                       value = [912, 190]
                                                                                                                                                                                                                                                                                                                                                                          value = [1057, 135]
                                                                                                                                                                                                                                                                     value = [556, 339]
                                                                                                                                                                                                                                                                                                                                                                                                                          value = [89, 974]
                                                                                                                                                                                                                                             X[11468] <= 0.5
gini = 0.467
samples = 884
value = [555, 329]
                                                                                                                                                                                                                                                                                                                                                          X[1385] \le 0.5
                                                                                                                                                                                                                                                                                                    X[19180] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                 X[6480] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                        gini = 0.0
samples = 2
value = [2, 0]
                                                                                                                                                                                                                                                                         gini = 0.165
                                                                                                                                                                                                                                                                                                                               gini = 0.0
                                                                                                                                                                                                                                                                                                  gini = 0.281
samples = 1098
value = [912, 186]
                                                                                                                                                                                                                                                                                                                                                                                                              gini = 0.151
samples = 1061
value = [87, 974]
                                                                                                                                                                                                                                                                                                                                                          gini = 0.196
samples = 1187
value = [1056, 131]
                                                                                                                                                                                                                                                                        samples = 11
value = [1, 10]
                                                                                                                                                                                                                                                                                                                             samples = 4
value = [0, 4]
                                                                                                                                                                                                                                                                                                                                                                                     samples = 5
                                                                                                                                                                                                                                                                                                                                                                                     value = [1, 4]
                                                                                                                                                                                                                                                                                                                                                                                                         X[18153] <= 0.5
gini = 0.148
samples = 1059
                                                                                                                                                                                                                                                                                                                                                        X[15896] \le 2.0
                                                                                                                                                                                                                                                                                                 X[16603] \le 1.5
                                                                                                                                                                                                                                               X[5463] \le 0.5
                                                                                                                                                                                                                                                                                                                            gini = 0.491
samples = 37
                                                                                                                                                                                                                                                                                                                                                                                                                                    gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.32
                                                                                                                                                                                                                                                                                               gini = 0.269
samples = 1061
value = [891, 170]
                                                                                                                                                                                                                                                gini = 0.464
samples = 871
                                                                                                                                                                                                                                                                                                                                                          gini = 0.192
                                                                                                                                                                                                                                                                                                                                                                                                                                    samples = 2
                                                                                                                                                                                                                                                                          samples = 13
                                                                                                                                                                                                                                                                                                                                                                                   samples = 5
                                                                                                                                                                                                                                                                                                                                                         samples = 1182
                                                                                                                                                                                                                                                                                                                                                                                                                                   value = [2, 0]
                                                                                                                                                                                                                                                                        value = [2, 11]
                                                                                                                                                                                                                                                                                                                           value = [21, 16]
                                                                                                                                                                                                                                                                                                                                                                                 value = [1, 4]
                                                                                                                                                                                                                                             value = [553, 318]
                                                                                                                                                                                                                                                                                                                                                                                                          value = [85, 974]
                                                                                                                                                                                                                                                                                                                                                       value = [1055, 127]
                                                                                                                                                                                                                                                                                                 X[3858] \le 0.5
                                                                                                                                                                                                                                                                                                                                                    X[6307] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                        X[18754] \le 0.5
                                                                                                                                                                                                                                              X[6384] \le 0.5
                                                                                                                                                                                                                                                                                                                          gini = 0.0
samples = 4
                                                                                                                                                                                                                                                                                                                                                                               gini = 0.0
samples = 3
                                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.49
                                                                                                                                                                                                                                                                                                 gini = 0.265
samples = 1057
                                                                                                                                                                                                                                                                                                                                                     gini = 0.188
samples = 1179
                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.142
                                                                                                                                                                                                                                                                                                                                                                                                                                samples = 7
                                                                                                                                                                                                                                                                         samples = 7
                                                                                                                                                                                                                                                                                                                                                                                                        samples = 1052
                                                                                                                                                                                                                                                samples = 864
                                                                                                                                                                                                                                                                       value = [0, 7]
                                                                                                                                                                                                                                                                                                                         value = [0, 4]
                                                                                                                                                                                                                                                                                                                                                                             value = [0, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                                 value = [4, 3]
                                                                                                                                                                                                                                                                                                                                                   value = [1055, 124]
                                                                                                                                                                                                                                                                                                                                                                                                         value = [81, 971]
                                                                                                                                                                                                                                                                                                                                                 X[11313] \le 0.5
                                                                                                                                                                                                                                                                                                X[8226] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                    X[10276] \le 0.5
                                                                                                                                                                                                                                              X[7494] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                            gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.0
                                                                                                                                                                                                                                                                                                                                               gini = 0.185
samples = 1175
                                                                                                                                                                                                                                                                                              gini = 0.259
samples = 1048
value = [888, 160]
                                                                                                                                                                                                                                                gini = 0.457
                                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.139
samples = 1050
value = [79, 971]
                                                                                                                                                                                                                                                                                                                                                                                                                             samples = 2
value = [2, 0]
                                                                                                                                                                                                                                                                                                                         samples = 9
value = [3, 6]
                                                                                                                                                                                                                                                                                                                                                                            samples = 4
value = [1, 3]
                                                                                                                                                                                                                                            samples = 852
value = [551, 301]
                                                                                                                                                                                                                                                                                                                                                 value = [1054, 121]
                                                                                                                                                                                                                                                                                                                                       X[1538] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                 X[373] \le 1.5
                                                                                                                                                                                                                                      X[9709] \le 0.5
                                                                                                                                                                                                                                                                                     X[20022] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                          gini = 0.0
                                                                                                                                                                                                                                                                                                                                       gini = 0.181
                                                                                                                                                                                                                                                                                        gini = 0.255
                                                                                                                                                                                                                                                                                                                                                                                                 gini = 0.136
                                                                                                                                                                                                                                       gini = 0.454
                                                                                                                                                                                                                                                                                                                samples = 3 value = [0, 3]
                                                                                                                                                                                                                                                               samples = 6 value = [0, 6]
                                                                                                                                                                                                                                                                                                                                                                                                                         samples = 2
                                                                                                                                                                                                                                                                                                                                                                  samples = 4
                                                                                                                                                                                                                                                                                    samples = 1045
value = [888, 157]
                                                                                                                                                                                                                                                                                                                                    samples = 1171
value = [1053, 118]
                                                                                                                                                                                                                                                                                                                                                                                              samples = 1048
value = [77, 971]
                                                                                                                                                                                                                                   samples = 846
value = [551, 295]
                                                                                                                                                                                                                                                                                                                                                                 value = [1, 3]
                                                                                                                                                                                                                                                                                                                                                                                                                        value = [2, 0]
                                                                                                                                                                                                                                                                      X[6745] <= 0.5
gini = 0.247
samples = 1025
value = [877, 148]
                                                                                                                                                                                                                                                                                                                                                                                         X[2208] \le 0.5
                                                                                                                                                                                                                    X[13335] \le 0.5
                                                                                                                                                                                                                                                                                                                                   X[1413] \le 0.5
                                                                                                                                                                                                                                                                                                 gini = 0.495
                                                                                                                                                                                                                                                                                                                                                             gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.0
                                                                                                                                                                                                                                               gini = 0.298
                                                                                                                                                                                                                                                                                                                                                                                       gini = 0.133
samples = 1046
value = [75, 971]
                                                                                                                                                                                                                                                                                                                                     gini = 0.178
                                                                                                                                                                                                                                                                                                 samples = 20
value = [11, 9]
                                                                                                                                                                                                                                                                                                                                                               samples = 4
                                                                                                                                                                                                                                                                                                                                                                                                                 samples = 2
value = [2, 0]
                                                                                                                                                                                                                                              samples = 11
                                                                                                                                                                                                                                                                                                                                  samples = 1167
value = [1052, 115]
                                                                                                                                                                                                                     samples = 835
                                                                                                                                                                                                                                                                                                                                                              value = [1, 3]
                                                                                                                                                                                                                                             value = [2, 9]
                                                                                                                                                                                                                    value = [549, 286]
                                                                                                                                                                                                                                                                    X[19808] <= 0.5
gini = 0.242
samples = 1017
value = [874, 143]
                                                                                                                                                                                                                                                                                                                                                                    X[11363] <= 0.5
gini = 0.13
samples = 1044
value = [73, 971]
                                                                                                                                                                                                                  X[15364] \le 0.5

gini = 0.446

samples = 824
                                                                                                                                                                                                                                                                                                                     X[12881] <= 0.5
gini = 0.174
samples = 1163
                                                                                                                                                                                                                                                                                              gini = 0.469
samples = 8
value = [3, 5]
                                                                                                                                                                                                                                                                                                                                                 gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                                                gini = 0.0
                                                                                                                                                                                                                                            samples = 11
value = [2, 9]
                                                                                                                                                                                                                                                                                                                                                                                             samples = 2 value = [2, 0]
                                                                                                                                                                                                                                                                                                                                                 samples = 4
                                                                                                                                                                                                                                                                                                                                                 value = [1, 3]
                                                                                                                                                                                                                  value = [547, 277]
                                                                                                                                                                                                                                                                                                                     value = [1051, 112]
                                                                                                                                                                                                                                                       X[549] \le 0.5
gini = 0.235
                                                                                                                                                                                                                                                                                                                                                          X[10999] \le 0.5
                                                                                                                                                                                            X[7016] \le 0.5
                                                                                                                                                                                                                                                                                                         X[6384] \le 1.5
                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.0
                                                                                                                                                                                                                                                                                                       gini = 0.17
samples = 1159
value = [1050, 109]
                                                                                                                                                                                                                                                                                                                                                            gini = 0.127
                                                                                                                                                                                             gini = 0.444
                                                                                                                                                                                                                                                                                                                                   samples = 4
value = [1, 3]
                                                                                                                                                                                                                                                                                                                                                                                     samples = 2
                                                                                                                                                                                                                      samples = 5
                                                                                                                                                                                                                                                                               samples = 12
value = [6, 6]
                                                                                                                                                                                          samples = 819
value = [547, 272]
                                                                                                                                                                                                                                                                                                                                                         samples = 1042
value = [71, 971]
                                                                                                                                                                                                                                                     samples = 1005
                                                                                                                                                                                                                                                                                                                                                                                   value = [2, 0]
                                                                                                                                                                                                                     value = [0, 5]
                                                                                                                                                                                                                                                    value = [868, 137]
                                                                                                                                                                                         X[18050] \le 0.5
                                                                                                                                                                                                                                                    X[2642] \le 0.5
                                                                                                                                                                                                                                                                                                                                                          X[3155] \le 1.0
                                                                                                                                                                                                                                                                                                         X[9488] \le 0.5
                                                                                                                                                                                                                      gini = 0.493
                                                                                                                                                                                                                                                                              gini = 0.476
                                                                                                                                                                                                                                                                                                                                                                                     gini = 0.0
                                                                                                                                                                                                                                                     gini = 0.227
                                                                                                                                                                                                                                                                                                         gini = 0.168
                                                                                                                                                                                                                                                                                                                                                            gini = 0.124
                                                                                                                                                                                            gini = 0.435
                                                                                                                                                                                                                                                                              samples = 23
                                                                                                                                                                                                                                                                                                                                                                                    samples = 2
                                                                                                                                                                                                                      samples = 41
                                                                                                                                                                                                                                                                                                                                   samples = 2
                                                                                                                                                                                          samples = 778
                                                                                                                                                                                                                                                                                                         samples = 1157
                                                                                                                                                                                                                                                                                                                                                          samples = 1040
                                                                                                                                                                                                                                                     samples = 982
                                                                                                                                                                                                                    value = [18, 23]
                                                                                                                                                                                                                                                                             value = [14, 9]
                                                                                                                                                                                                                                                                                                                                   value = [0, 2]
                                                                                                                                                                                                                                                                                                                                                                                   value = [2, 0]
                                                                                                                                                                                                                                                                                                                                                         value = [69, 971]
                                                                                                                                                                                                                                                   value = [854, 128]
                                                                                                                                                                                         value = [529, 249]
                                                                                                                                                                                                                                                                                                        value = [1050, 107]
                                                                                                                                                                                                                                                                                              X[12186] <= 0.5
gini = 0.165
samples = 1155
value = [1050, 105]
                                                                                                                                                                                                                                                                                                                                                       X[8832] <= 0.5
gini = 0.121
samples = 1038
value = [67, 971]
                                                                                                                                                                                                                                           X[2401] \le 1.5

gini = 0.223

samples = 978
                                                                                                                                                                                      X[14416] \le 0.5
                                                                                                                                                                                                                                                                                                                         gini = 0.0
samples = 2
value = [0, 2]
                                                                                                                                                                                                                                                                    gini = 0.375
                                                                                                                                                                                                                                                                                                                                                                                   gini = 0.0
                                                                                                                                                                                       gini = 0.432
samples = 771
                                                                                                                                                                                                                                                                    samples = 4
                                                                                                                                                                                                                                                                                                                                                                                 samples = 2
value = [2, 0]
                                                                                                                                                                                                               samples = 7
                                                                                                                                                                                                               value = [1, 6]
                                                                                                                                                                                                                                                                   value = [1, 3]
                                                                                                                                                                                    value = [528, 243]
                                                                                                                                                                                                                                         value = [853, 125]
                                                                                                                                                                                                                                                                                                                                                  X[15767] <= 1.5
gini = 0.118
samples = 1036
value = [65, 971]
                                                                                                                                                                                                                                                                                          X[20035] \le 0.5
gini = 0.163
                                                                                                                                                                                    X[7611] \le 0.5
                                                                                                                                                                                                                                        X[9226] \le 0.5
                                                                                                                                                                                                                                                                                                                                                                              gini = 0.0
                                                                                                                                                                                                               gini = 0.176
                                                                                                                                                                                                                                          gini = 0.22
                                                                                                                                                                                      gini = 0.44
                                                                                                                                                                                                              samples = 41
                                                                                                                                                                                                                                                                                                                                                                             samples = 2
                                                                                                                                                                                                                                                                  samples = 2 value = [0, 2]
                                                                                                                                                                                                                                      samples = 976
value = [853, 123]
                                                                                                                                                                                                                                                                                          samples = 1153
                                                                                                                                                                                     samples = 730
                                                                                                                                                                                                            value = [37, 4]
                                                                                                                                                                                                                                                                                                                    value = [0, 2]
                                                                                                                                                                                                                                                                                                                                                                            value = [2, 0]
                                                                                                                                                                                                                                                                                         value = [1050, 103]
                                                                                                                                                                                  value = [491, 239]
                                                                                                                                                                                                         gini = 0.0
samples = 4 X[6085] \le 0.5
gini = 0.218
                                                                                                                                                                                                                                                                                    X[7438] \le 0.5
                                                                                                                                                                                                                                                                                                                                           X[11823] <= 0.5
                                                                                                                                                                                                                                                  gini = 0.0
                                                                                                                                                                                                                                                                                                                gini = 0.0
                                                                                                                                                                                                                                                                                                                                                                    gini = 0.0
                                                                                                                                                                                                                                                                                        gini = 0.16
                                                                                                                                                                                                                                                                                                                                                                    samples = 2 value = [2, 0]
                                                                                                                                                                                                                                                          samples = 2
                                                                                                                                                                                                                                                                                                                 samples = 2
                                                                                                                                                                                                                                                                                                                                           samples = 1034
value = [63, 971]
                                                                                                                                                                                                                                                                                     samples = 1151
                                                                                                                                                                                 samples = 726
                                                                                                                                                                                                                                 samples = 974
                                                                                                                                                                                                         value = [0, 4]
                                                                                                                                                                                                                                                                                                                value = [0, 2]
                                                                                                                                                                                                                                                        value = [0, 2]
                                                                                                                                                                               value = [491, 235]
                                                                                                                                                                                                                              value = [853, 121]
                                                                                                                                                                                                                                                                                    value = [1050, 101]
                                                                                                                                                                                                                                                                                                                                  X[2038] \le 1.5
                                                                                                                                                                       X[1589] \le 0.5
                                                                                                                                                                                                                            X[2466] \le 0.5
                                                                                                                                                                                                                                                                           X[9090] \le 0.5
                                                                                                                                                                                                   gini = 0.0
                                                                                                                                                                                                                                                                                                                                                            gini = 0.0
                                                                                                                                                                                                                                                       gini = 0.0
                                                                                                                                                                        gini = 0.435
                                                                                                                                                                                                                             gini = 0.215
                                                                                                                                                                                                                                                                          gini = 0.157
samples = 1149
value = [1050, 99]
                                                                                                                                                                                                                                                                                                                                gini = 0.111
samples = 1032
value = [61, 971]
                                                                                                                                                                                                                                                                                                                                                         samples = 2 value = [2, 0]
                                                                                                                                                                                                 samples = 4 value = [0, 4]
                                                                                                                                                                                                                                                                                                    samples = 2
value = [0, 2]
                                                                                                                                                                                                                                                     samples = 2
                                                                                                                                                                                                                          samples = 972
value = [853, 119]
                                                                                                                                                                      samples = 722
value = [491, 231]
                                                                                                                                                                                                                                                    value = [0, 2]
                                                                                                                                                                                                                X[11177] \le 0.5
                                                                                                                                                                                                                                                                       X[3957] \le 0.5
                                                                                                                                                    X[14170] \le 0.5
                                                                                                                                                                                                                                                                                                                       X[13334] \le 0.5
                                                                                                                                                                                 gini = 0.5
                                                                                                                                                                                                                                                                                                                                                  gini = 0.0
                                                                                                                                                                                                                                             gini = 0.0
                                                                                                                                                                                                               gini = 0.212
samples = 970
value = [853, 117]
                                                                                                                                                                                                                                                                                                                       gini = 0.108
samples = 1030
value = [59, 971]
                                                                                                                                                                                                                                                                        gini = 0.155
                                                                                                                                                      gini = 0.424

samples = 2 \\
value = [0, 2]

                                                                                                                                                                              samples = 59
value = [30, 29]
                                                                                                                                                                                                                                                                                                                                                  samples = 2
                                                                                                                                                                                                                                            samples = 2
                                                                                                                                                     samples = 663
                                                                                                                                                                                                                                                                       samples = 1147
                                                                                                                                                                                                                                                                                                                                                value = [2, 0]
                                                                                                                                                                                                                                          value = [0, 2]
                                                                                                                                                   value = [461, 202]
                                                                                                                                                                                                                                                                      value = [1050, 97]
                                                                                                                                                                                                   X[19834] \le 0.5
                                                                                                                                                                                                                                                   X[3433] \le 1.5
                                                                                                                                                    X[1148] \le 0.5
                                                                                                                                                                              gini = 0.32
                                                                                                                                                                                                                                                                                                                           gini = 0.48
                                                                                                                                                                                                                              gini = 0.0
                                                                                                                                                                                                 gini = 0.209
samples = 968
value = [853, 115]
                                                                                                                                                                                                                                                                                                   gini = 0.103
                                                                                                                                                    gini = 0.418
                                                                                                                                                                                                                                                                            samples = 2 value = [0, 2]
                                                                                                                                                                                                                                                                                                                            samples = 5
                                                                                                                                                                                                                              samples = 2
                                                                                                                                                  samples = 653
value = [459, 194]
                                                                                                                                                                                                                                                   samples = 1145
                                                                                                                                                                                                                                                                                                  samples = 1025
value = [56, 969]
                                                                                                                                                                            value = [2, 8]
                                                                                                                                                                                                                             value = [0, 2]
                                                                                                                                                                                                                                                                                                                           value = [3, 2]
                                                                                                                                                                                                                                                  value = [1050, 95]
                                                                                                                                                                              X[7698] \le 0.5
                                                                                                                                                                                                                                 X[7681] \le 0.5
                                                                                                                                                                                                                                                                                       X[1953] \le 0.5
                                                                                                                             X[15856] \le 0.5
                                                                                                                                                                                                        gini = 0.0
                                                                                                                                                       gini = 0.278
                                                                                                                                                                                                                                                                                                                gini = 0.48
                                                                                                                             gini = 0.414
                                                                                                                                                                                                                                                                                        gini = 0.099
                                                                                                                                                                                gini = 0.207
                                                                                                                                                                                                                                  gini = 0.149
                                                                                                                                                                                                                                                                                                               samples = 5 value = [3, 2]
                                                                                                                                                      samples = 6
value = [1, 5]
                                                                                                                                                                                                                                                           samples = 2 value = [0, 2]
                                                                                                                                                                                                        samples = 2
                                                                                                                            samples = 647
value = [458, 189]
                                                                                                                                                                                                                               samples = 1143
value = [1050, 93]
                                                                                                                                                                                                                                                                                      samples = 1020
value = [53, 967]
                                                                                                                                                                              samples = 966
value = [853, 113]
                                                                                                                                                                                                       value = [0, 2]
                                                                                                                       X[7114] \le 0.5
                                                                                                                                                                                                                       X[20098] \le 1.5
                                                                                                                                                                                                                                                                     X[19872] <= 1.5
                                                                                                                                                                       X[19139] \le 0.5
                                                                                                                                                 gini = 0.278
                                                                                                                                                                                                                                                                                              gini = 0.444
                                                                                                                                                                                                                      gini = 0.147
samples = 1141
value = [1050, 91]
                                                                                                                                                                                                                                                                       gini = 0.095
                                                                                                                                                                         gini = 0.204
                                                                                                                         gini = 0.409
                                                                                                                                                                                                                                                samples = 2 value = [0, 2]
                                                                                                                                                                                                                                                                                               samples = 3
                                                                                                                                                  samples = 6
                                                                                                                                                                                                  samples = 2
                                                                                                                       samples = 641
                                                                                                                                                                      samples = 964
value = [853, 111]
                                                                                                                                                                                                                                                                      samples = 1017
value = [51, 966]
                                                                                                                                                value = [1, 5]
                                                                                                                                                                                                 value = [0, 2]
                                                                                                                                                                                                                                                                                              value = [2, 1]
                                                                                                                      value = [457, 184]
                                                                                                                                                       X[5377] <= 0.5
gini = 0.201
samples = 962
value = [853, 109]
                                                                                                X[18055] \le 0.5
gini = 0.405
                                                                                                                                                                                                        X[7728] \le 2.5
                                                                                                                                                                                                                                                           X[1719] \le 0.5
                                                                                                                                                                                                                                                                                  gini = 0.444
                                                                                                                         gini = 0.278
                                                                                                                                                                                    gini = 0.0
                                                                                                                                                                                                                                   gini = 0.0
                                                                                                                                                                                                       gini = 0.144
samples = 1139
value = [1050, 89]
                                                                                                                                                                                                                                                            gini = 0.092
                                                                                                                                                                                  samples = 2
value = [0, 2]
                                                                                                                                                                                                                                                                                    samples = 3
                                                                                                                                                                                                                                  samples = 2
                                                                                                                          samples = 6
                                                                                                 samples = 635
                                                                                                                                                                                                                                                            samples = 1014
                                                                                                                                                                                                                                                                                   value = [2, 1]
                                                                                                                         value = [1, 5]
                                                                                                                                                                                                                                 value = [0, 2]
                                                                                                                                                                                                                                                           value = [49, 965]
                                                                                               value = [456, 179]
                                                                                              X[18596] \le 0.5

gini = 0.4
                                                                                                                                                                                                                                                    X[16265] <= 1.5
                                                                                                                                                  X[10964] \le 0.5
                                                                                                                                                                                                      X[859] \le 0.5
                                                                                                                        gini = 0.375
                                                                                                                                                                                                                                                                              gini = 0.49
                                                                                                                                                                                                                                gini = 0.0
                                                                                                                                                                              gini = 0.0
                                                                                                                                                                                                      gini = 0.141
                                                                                                                                                   gini = 0.198
                                                                                                                                                                                                                                                       gini = 0.087
                                                                                                                        samples = 8
value = [2, 6]
                                                                                                                                                                                                                               \begin{vmatrix}
samples = 2 \\
value = [0, 2]
\end{vmatrix}
                                                                                                                                                                                                                                                                             samples = 7
value = [3, 4]
                                                                                                                                                                             samples = 2
                                                                                               samples = 627
                                                                                                                                                                                                    samples = 1137
value = [1050, 87]
                                                                                                                                                  samples = 960
value = [853, 107]
                                                                                                                                                                                                                                                    samples = 1007
value = [46, 961]
                                                                                                                                                                            value = [0, 2]
                                                                                              value = [454, 173]
                                                                                             X[2067] \le 0.5
                                                                                                                                                                                                 X[15120] \le 0.5
                                                                                                                                                X[17153] \le 0.5
                                                                                                                                                                                                                                                 X[7436] \le 0.5
                                                                                                                        gini = 0.064
                                                                                                                                                                            gini = 0.0
                                                                                                                                                                                                                             gini = 0.5
                                                                                                                                                                                                                                                                            gini = 0.0
                                                                                                                                                                                                                                                 gini = 0.085
samples = 1006
value = [45, 961]
                                                                                                                                                   gini = 0.195
                                                                                                                                                                                                    gini = 0.138
                                                                                                gini = 0.41
                                                                                                                                                                                                                             samples = 6
                                                                                                                                                                                                                                                                           samples = 1
                                                                                                                        samples = 30
                                                                                                                                               samples = 958
value = [853, 105]
                                                                                                                                                                                                  samples = 1131
                                                                                               samples = 597
                                                                                                                        value = [29, 1]
                                                                                                                                                                                                                           value = [3, 3]
                                                                                                                                                                          value = [0, 2]
                                                                                                                                                                                                 value = [1047, 84]
                                                                                            value = [425, 172]
                                                                                                                                                                                    X[5440] \le 0.5
                                                                                                                                                                                                                                   X[17373] \le 0.5
                                                                                    X[12388] \le 0.5
                                                                                                                                    X[1896] \le 0.5
                                                                                                              gini = 0.245
                                                                                                                                                                                                                                                              gini = 0.0
                                                                                   gini = 0.404
samples = 590
value = [424, 166]
                                                                                                                                                                                   gini = 0.134
samples = 1125
value = [1044, 81]
                                                                                                                                                                                                                                     gini = 0.084
                                                                                                             samples = 7
                                                                                                                                                             samples = 2 value = [0, 2]
                                                                                                                                                                                                                                                              samples = 1
                                                                                                                                                                                                                                  samples = 1005
value = [44, 961]
                                                                                                                                   samples = 956
value = [853, 103]
                                                                                                              value = [1, 6]
                                                                                                                                                                                                             value = [3, 3]
                                                                                                                                                                                                                                                            value = [1, 0]
                                                                                                                                                                  X[7724] \le 0.5
                                                                                                               X[19555] \le 0.5
                                                                                                                                                                                                                       X[17127] \le 0.5
                                                                                                                                                                                                                                                  gini = 0.0
                                                                                        gini = 0.375
                                                                                                                                           gini = 0.0
                                                                                                                                                                                             gini = 0.48
                                                            gini = 0.399
samples = 582
value = [422, 160]
                                                                                                                                                                gini = 0.129
samples = 1115
value = [1038, 77]
                                                                                                               gini = 0.189
samples = 954
value = [853, 101]
                                                                                                                                                                                                                          gini = 0.082
                                                                                                                                                                                                                                                samples = 1
value = [1, 0]
                                                                                       samples = 8 value = [2, 6]
                                                                                                                                        samples = 2
value = [0, 2]
                                                                                                                                                                                           samples = 10
value = [6, 4]
                                                                                                                                                                                                                        samples = 1004
                                                                                                                                                                                                                        value = [43, 961]
                                                        X[19252] \le 0.5
                                                                                                       X[14722] \le 0.5
                                                                                                                                                       X[5108] \le 0.5
                                                                                                                                                                                                     X[13408] \le 0.5
                                                                                                                                                                                 gini = 0.444
                                                                                                                                                                                                                                 gini = 0.0
                                                                                                         gini = 0.184
                                                                                                                                                        gini = 0.126
                                                                                                                                                                                                        gini = 0.08
                                                          gini = 0.393
                                                                                                                                samples = 8
value = [4, 4]
                                                                                                                                                                                 samples = 3
                                                                                                                                                                                                                                samples = 1
                                                                                                       samples = 946
value = [849, 97]
                                                                                                                                                     samples = 1112
value = [1037, 75]
                                                                                                                                                                                                     samples = 1003
value = [42, 961]
                                                          samples = 576
                                                                                   value = [1, 5]
                                                                                                                                                                               value = [1, 2]
                                                                                                                                                                                                                              value = [1, 0]
                                                        value = [421, 155]
                                                                                    X[9681] \le 1.5
                                                                                                                                      X[8956] \le 0.5
                                                                                                                                                                                          X[17419] \le 0.5
                                                                                                             gini = 0.48
                                                                                                                                                                                                                    gini = 0.0
                                                                                                                                                               gini = 0.444
                                gini = 0.39
samples = 573
value = [421, 152]
                                                                                                                                       gini = 0.123
                                                                                                                                                                                            gini = 0.078
                                                                                     gini = 0.18
                                                                                                           samples = 5
value = [2, 3]
                                                                                                                                                                samples = 3
                                                                                                                                                                                                                    samples = 1
                                                            samples = 3 value = [0, 3]
                                                                                                                                     samples = 1109
value = [1036, 73]
                                                                                   samples = 941
value = [847, 94]
                                                                                                                                                                                           samples = 1002
                                                                                                                                                              value = [1, 2]
                                                                                                                                                                                                                    value = [1, 0]
                                                                                                                                                                                          value = [41, 961]
                           X[2643] <= 0.5
gini = 0.386
samples = 570
value = [421, 149]
                                                                           X[17472] <= 0.5
gini = 0.177
samples = 938
value = [846, 92]
                                                                                                                                                                         X[16646] <= 0.5
gini = 0.077
samples = 1001
value = [40, 961]
                                                                                                                          X[13587] \le 1.5
                                                      gini = 0.0
samples = 3
value = [0, 3]
                                                                                                   gini = 0.444
                                                                                                                                                    gini = 0.444
                                                                                                                                                                                                    gini = 0.0
                                                                                                                         gini = 0.12
samples = 1106
value = [1035, 71]
                                                                                                   samples = 3 value = [1, 2]
                                                                                                                                                    samples = 3
value = [1, 2]
                                                                                                                                                                                                  samples = 1 value = [1, 0]
                                                                                                         X[7605] \le 0.5
                                                                                                                                                              X[19623] \le 0.5
     X[10301] \le 0.5
                                                       X[18176] \le 0.5
                                                                                  gini = 0.5
                                                                                                                                                                                        gini = 0.0
    gini = 0.382
samples = 567
value = [421, 146]
                                                                                                                                    gini = 0.49
                                                                                                          gini = 0.116
                                                                                                                                                               gini = 0.075
                                                         gini = 0.173
                                                                                                                                                                                       samples = 1 value = [1, 0]
                                                                                 samples = 6
                                                                                                                                   samples = 7
                                                                                                       samples = 1099
value = [1031, 68]
                                                       samples = 932
value = [843, 89]
                                                                                                                                                               samples = 1000
                                value = [0, 3]
                                                                               value = [3, 3]
                                                                                                                                 value = [4, 3]
                                                                                                                                                              value = [39, 961]
                                                                                             X[11467] \le 0.5

gini = 0.115

samples = 1098
X[9426] \le 0.5
                                              X[10438] \le 2.5
                                                                                                                                             X[2778] \le 1.5
                                                                                                                        gini = 0.0
                                                                                                                                                                      gini = 0.0
                                                                        gini = 0.444
                            gini = 0.0
                                                                                                                                            gini = 0.073
samples = 999
value = [38, 961]
 gini = 0.379
                                                  gini = 0.17
                                                                       samples = 3 value = [1, 2]
                                                                                                                        samples = 1
value = [0, 1]
                                                                                                                                                                      samples = 1
                           samples = 3
                                              samples = 929
value = [842, 87]
 samples = 564
                         value = [0, 3]
                                                                                                                                                                     value = [1, 0]
value = [421, 143]
                                                                                              value = [1031, 67]
                                                                             gini = 0.113
                            gini = 0.167
                                                   gini = 0.444
                                                                                                       gini = 0.0
                                                                                                                                    gini = 0.071
                                                                                                                                                            gini = 0.0
     gini = 0.0
                                                                            samples = 1097
                                                                                                                                 samples = 998
value = [37, 961]
                           samples = 926
                                                     samples = 3
                                                                                                       samples = 1
                                                                                                                                                           samples = 1
```

samples = 561

value = [421, 140]

| value = [0, 3]

value = [841, 85]

value = [1, 2]

value = [1031, 66]

value = [0, 1]

value = [1, 0]

 $X[7799] \le 0.5$ gini = 0.5samples = 9800value = [4898, 4902]

 $X[14047] \le 0.5$

gini = 0.484

samples = 551

value = [226, 325]

 $X[3974] \le 0.5$

gini = 0.473

samples = 510

value = [196, 314]

gini = 0.448

samples = 405

value = [137, 268]

gini = 0.393

samples = 41

value = [30, 11]

gini = 0.492

samples = 105

value = [59, 46]