In [1]:

```python
from google.colab import drive
drive.mount('/content/drive')
```

Mounted at /content/drive

In [2]:

```python
import sqlite3
import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
from sklearn.model_selection import train_test_split
from sklearn import preprocessing
from IPython.display import display
from sklearn import tree
from sklearn.manifold import TSNE
from sklearn import svm
from sklearn.svm import SVC
from sklearn import linear_model
from sklearn.externals import joblib
from sklearn.metrics import mean_absolute_error
from sklearn.metrics import log_loss
from sklearn.metrics import confusion_matrix
from sklearn.multiclass import OneVsRestClassifier
from sklearn.naive_bayes import GaussianNB
from sklearn.ensemble import RandomForestClassifier
from sklearn.tree import DecisionTreeClassifier
from sklearn.neighbors import KNeighborsClassifier
from sklearn.model_selection import RandomizedSearchCV
```

/usr/local/lib/python3.6/dist-packages/sklearn/externals/joblib/__init__.py:15: FutureWarning: sklearn.externals.joblib is deprecated in 0.21 and will be removed in 0.23. Please import this functionality directly from joblib, which can be installed with: pip install joblib. If this warning is raised when loading pickled models, you may need to re-serialize those models with scikit-learn 0.21+.
  warnings.warn(msg, category=FutureWarning)

In [3]:

```python
final_df = pd.read_pickle('drive/My Drive/caseStudy1.pkl')
```

As per the hyper parameter tuning already performed, KNN Model worked the best after which Random forest showed a decent amount of MAPE and MAE errors and Decision Tree model worked fine too. Reference: hyperparameterTuning.ipynb (Already Submitted)

Therefore further tuning the hyper params of these models and stacking them for giving the final predictions.

In [4]:

```python
#Breaking down data into train and test
y = final_df['FIRE_SIZE_CLASS'].values
x = final_df.drop(['FIRE_SIZE_CLASS'], axis = 1)
x_train, x_test, y_train, y_test = train_test_split(x, y, test_size=0.33, stratify=y)
```

In [5]:

```python
x_train, x_cv, y_train, y_cv = train_test_split(x_train, y_train, test_size=0.33, stratify=y_train)
```

In [7]:

```python
#Hyperparam tuning 2 for KNN
#Defining range for parameters
#Since neighbors = 20 and leafsize = 30 were the best hyperparams, going around these val
```

```
ues to check for even better parameters
neighbors = [20, 25, 30]
leafSize = [30,40]

knn_model = KNeighborsClassifier(weights='distance')
parameters = {'n_neighbors': neighbors, 'leaf_size': leafSize}

hyperParam_Clf1 = RandomizedSearchCV(knn_model, parameters, cv = 3, scoring = 'accuracy'
,return_train_score= True)
hyperParam_Clf1.fit(x_cv, y_cv)
```

/usr/local/lib/python3.6/dist-packages/sklearn/model_selection/_search.py:281: UserWarnin
g: The total space of parameters 6 is smaller than n_iter=10. Running 6 iterations. For e
xhaustive searches, use GridSearchCV.
  % (grid_size, self.n_iter, grid_size), UserWarning)

Out[7]:

```
RandomizedSearchCV(cv=3, error_score=nan,
                   estimator=KNeighborsClassifier(algorithm='auto',
                                                  leaf_size=30,
                                                  metric='minkowski',
                                                  metric_params=None,
                                                  n_jobs=None, n_neighbors=5,
                                                  p=2, weights='distance'),
                   iid='deprecated', n_iter=10, n_jobs=None,
                   param_distributions={'leaf_size': [30, 40],
                                        'n_neighbors': [20, 25, 30]},
                   pre_dispatch='2*n_jobs', random_state=None, refit=True,
                   return_train_score=True, scoring='accuracy', verbose=0)
```

In [8]:

```
print(hyperParam_Clf1.best_params_)
```

{'n_neighbors': 30, 'leaf_size': 40}

In [9]:

```
knnModel = KNeighborsClassifier(n_neighbors = 30, leaf_size = 40).fit(x_train, y_train)
```

In [12]:

```
#Saving this Model for final Analysis
joblib.dump(knnModel, 'drive/My Drive/CaseStudy1/knnpredictModel.pkl')
```

Out[12]:

['drive/My Drive/CaseStudy1/knnpredictModel.pkl']

In [10]:

```
def mean_absolute_percentage_error(y_true, y_pred):
    y_true, y_pred = np.array(y_true), np.array(y_pred)
    return np.mean(np.abs((y_true - y_pred) / y_true)) * 100
```

In [11]:

```
knn_predictions = knnModel.predict(x_test)

#Fining accuracy of the Model
accuracy_train = knnModel.score(x_train, y_train)
accuracy_test = knnModel.score(x_test, y_test)

print('Train Data Accuracy is :',accuracy_train)
print('Test Data Accuracy is :',accuracy_test)

#Finding MAE
knn_MAE = mean_absolute_error(y_test, knn_predictions)
print('MAE value is: ', knn_MAE)

#Finding MAPE
```

```
knn_MAPE = mean_absolute_percentage_error(y_test, knn_predictions)
print('MAPE value is: ', knn_MAPE)
```

Train Data Accuracy is : 0.6507368445992371
Test Data Accuracy is : 0.6302384643399285
MAE value is: 0.43888203121726715
MAPE value is: 23.953104038986986

After tuning the hyper parameters further, there wasn't much change in the MAE and MAPE values, the values decreased by 0.01% only. Therefore further tuning isn't required.

In [36]:

```
#Trying more tuning for random Forest Model
maxdepth = [20, 40, 60]
estimators = [90, 100, 110]

rf_model = RandomForestClassifier(class_weight='balanced', verbose = 50)
parameters = {'max_depth': maxdepth, 'n_estimators':estimators}

hyperParam_Clf2 = RandomizedSearchCV(rf_model, parameters, cv = 3, scoring = 'accuracy',
return_train_score= True)
hyperParam_Clf2.fit(x_cv, y_cv)
```

/usr/local/lib/python3.6/dist-packages/sklearn/model_selection/_search.py:281: UserWarnin
g: The total space of parameters 9 is smaller than n_iter=10. Running 9 iterations. For e
xhaustive searches, use GridSearchCV.
  % (grid_size, self.n_iter, grid_size), UserWarning)

Streaming output truncated to the last 5000 lines.
building tree 9 of 110
[Parallel(n_jobs=1)]: Done   9 out of   9 | elapsed: 3.1s remaining: 0.0s
building tree 10 of 110
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed: 3.4s remaining: 0.0s
building tree 11 of 110
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed: 3.8s remaining: 0.0s
building tree 12 of 110
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed: 4.2s remaining: 0.0s
building tree 13 of 110
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed: 4.5s remaining: 0.0s
building tree 14 of 110
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed: 4.9s remaining: 0.0s
building tree 15 of 110
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed: 5.3s remaining: 0.0s
building tree 16 of 110
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed: 5.7s remaining: 0.0s
building tree 17 of 110
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed: 6.0s remaining: 0.0s
building tree 18 of 110
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed: 6.4s remaining: 0.0s
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[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed: 6.8s remaining: 0.0s
building tree 20 of 110
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed: 7.2s remaining: 0.0s
building tree 21 of 110
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed: 7.5s remaining: 0.0s
building tree 22 of 110
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed: 7.9s remaining: 0.0s
building tree 23 of 110
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed: 8.3s remaining: 0.0s
building tree 24 of 110
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed: 8.6s remaining: 0.0s
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[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed: 9.0s remaining: 0.0s
building tree 26 of 110
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed: 9.4s remaining: 0.0s
building tree 27 of 110
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed: 9.8s remaining: 0.0s
building tree 28 of 110
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed: 10.1s remaining: 0.0s
building tree 29 of 110
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed: 10.5s remaining: 0.0s
```

```
[Parallel(n_jobs=1)]: Done    29 out of   29 | elapsed:    10.5s remaining:     0.0s
building tree 30 of 110
[Parallel(n_jobs=1)]: Done    30 out of   30 | elapsed:    10.9s remaining:     0.0s
building tree 31 of 110
[Parallel(n_jobs=1)]: Done    31 out of   31 | elapsed:    11.2s remaining:     0.0s
building tree 32 of 110
[Parallel(n_jobs=1)]: Done    32 out of   32 | elapsed:    11.6s remaining:     0.0s
building tree 33 of 110
[Parallel(n_jobs=1)]: Done    33 out of   33 | elapsed:    12.0s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    34 out of   34 | elapsed:    12.3s remaining:     0.0s
building tree 35 of 110
[Parallel(n_jobs=1)]: Done    35 out of   35 | elapsed:    12.7s remaining:     0.0s
building tree 36 of 110
[Parallel(n_jobs=1)]: Done    36 out of   36 | elapsed:    13.0s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    37 out of   37 | elapsed:    13.4s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    38 out of   38 | elapsed:    13.8s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    39 out of   39 | elapsed:    14.2s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    40 out of   40 | elapsed:    14.5s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    41 out of   41 | elapsed:    14.9s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    44 out of   44 | elapsed:    16.0s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    45 out of   45 | elapsed:    16.4s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    46 out of   46 | elapsed:    16.8s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    47 out of   47 | elapsed:    17.1s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    48 out of   48 | elapsed:    17.5s remaining:     0.0s
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[Parallel(n_jobs=1)]: Done    49 out of   49 | elapsed:    17.9s remaining:     0.0s
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building tree 108 of 110
building tree 109 of 110
building tree 110 of 110
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:    40.2s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    1.9s remaining:    0.0s
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[Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 1.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 1.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 2.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 2.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 2.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 2.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 2.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 2.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 2.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 2.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 2.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed: 5.3s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done   1 out of   1 | elapsed: 0.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   2 out of   2 | elapsed: 0.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   3 out of   3 | elapsed: 0.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   4 out of   4 | elapsed: 0.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   5 out of   5 | elapsed: 0.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   6 out of   6 | elapsed: 0.6s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   7 out of   7 | elapsed: 0.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   8 out of   8 | elapsed: 0.8s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   9 out of   9 | elapsed: 0.8s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 1.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 1.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 1.6s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 1.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 1.8s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 2.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 2.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 2.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 2.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 2.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 2.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 2.6s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 2.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 2.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 2.8s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 2.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 3.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 3.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 3.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 3.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 3.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 3.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 3.6s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 3.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 3.8s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 3.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 4.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 4.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 4.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 4.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 4.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 4.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 4.6s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 4.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed: 10.3s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 90
[Parallel(n_jobs=1)]: Done   1 out of   1 | elapsed: 0.4s remaining: 0.0s
building tree 2 of 90
[Parallel(n_jobs=1)]: Done   2 out of   2 | elapsed: 0.9s remaining: 0.0s
building tree 3 of 90
[Parallel(n_jobs=1)]: Done   3 out of   3 | elapsed: 1.3s remaining: 0.0s
building tree 4 of 90

```
building tree 4 of 90
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.8s remaining:    0.0s
building tree 5 of 90
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    2.2s remaining:    0.0s
building tree 6 of 90
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.6s remaining:    0.0s
building tree 7 of 90
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    3.1s remaining:    0.0s
building tree 8 of 90
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.5s remaining:    0.0s
building tree 9 of 90
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.9s remaining:    0.0s
building tree 10 of 90
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    4.3s remaining:    0.0s
building tree 11 of 90
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.8s remaining:    0.0s
building tree 12 of 90
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    5.2s remaining:    0.0s
building tree 13 of 90
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.6s remaining:    0.0s
building tree 14 of 90
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    6.1s remaining:    0.0s
building tree 15 of 90
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    6.5s remaining:    0.0s
building tree 16 of 90
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.9s remaining:    0.0s
building tree 17 of 90
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    7.4s remaining:    0.0s
building tree 18 of 90
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.8s remaining:    0.0s
building tree 19 of 90
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    8.3s remaining:    0.0s
building tree 20 of 90
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    8.7s remaining:    0.0s
building tree 21 of 90
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    9.1s remaining:    0.0s
building tree 22 of 90
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    9.6s remaining:    0.0s
building tree 23 of 90
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:   10.0s remaining:    0.0s
building tree 24 of 90
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:   10.5s remaining:    0.0s
building tree 25 of 90
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:   10.9s remaining:    0.0s
building tree 26 of 90
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   11.3s remaining:    0.0s
building tree 27 of 90
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   11.8s remaining:    0.0s
building tree 28 of 90
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   12.2s remaining:    0.0s
building tree 29 of 90
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   12.6s remaining:    0.0s
building tree 30 of 90
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:   13.0s remaining:    0.0s
building tree 31 of 90
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   13.5s remaining:    0.0s
building tree 32 of 90
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   13.9s remaining:    0.0s
building tree 33 of 90
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   14.3s remaining:    0.0s
building tree 34 of 90
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   14.7s remaining:    0.0s
building tree 35 of 90
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   15.2s remaining:    0.0s
building tree 36 of 90
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   15.6s remaining:    0.0s
building tree 37 of 90
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   16.1s remaining:    0.0s
building tree 38 of 90
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   16.5s remaining:    0.0s
building tree 39 of 90
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   17.0s remaining:    0.0s
building tree 40 of 90
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building tree 40 of 90
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   17.4s remaining:      0.0s
building tree 41 of 90
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   17.8s remaining:      0.0s
building tree 42 of 90
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   18.3s remaining:      0.0s
building tree 43 of 90
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   18.7s remaining:      0.0s
building tree 44 of 90
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   19.1s remaining:      0.0s
building tree 45 of 90
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:   19.6s remaining:      0.0s
building tree 46 of 90
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:   20.0s remaining:      0.0s
building tree 47 of 90
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:   20.5s remaining:      0.0s
building tree 48 of 90
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:   20.9s remaining:      0.0s
building tree 49 of 90
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:   21.3s remaining:      0.0s
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building tree 87 of 90
building tree 88 of 90
building tree 89 of 90
building tree 90 of 90
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:   39.6s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.5s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:      0.0s
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[Parallel(n_jobs=1)]: Done     8 out of     8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done     9 out of     9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    10 out of    10 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    11 out of    11 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    12 out of    12 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    13 out of    13 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    14 out of    14 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    15 out of    15 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    16 out of    16 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    17 out of    17 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    18 out of    18 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    19 out of    19 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    20 out of    20 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    21 out of    21 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    22 out of    22 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    23 out of    23 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    24 out of    24 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    25 out of    25 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    26 out of    26 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    27 out of    27 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    28 out of    28 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    29 out of    29 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    30 out of    30 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    31 out of    31 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    32 out of    32 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    33 out of    33 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    34 out of    34 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    35 out of    35 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    36 out of    36 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    37 out of    37 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    38 out of    38 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    39 out of    39 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    40 out of    40 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    41 out of    41 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    42 out of    42 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    43 out of    43 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    44 out of    44 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    45 out of    45 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    46 out of    46 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    47 out of    47 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    48 out of    48 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    49 out of    49 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    90 out of    90 | elapsed:    6.3s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done     1 out of     1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done     2 out of     2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done     3 out of     3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done     4 out of     4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done     5 out of     5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done     6 out of     6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done     7 out of     7 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done     8 out of     8 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done     9 out of     9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    10 out of    10 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    11 out of    11 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    12 out of    12 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    13 out of    13 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    14 out of    14 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    15 out of    15 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    16 out of    16 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    17 out of    17 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    18 out of    18 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    19 out of    19 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    20 out of    20 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    21 out of    21 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    22 out of    22 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    23 out of    23 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    24 out of    24 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    25 out of    25 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    26 out of    26 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    27 out of    27 | elapsed:    3.5s remaining:    0.0s
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[Parallel(n_jobs=1)]: Done    27 out of    27 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    28 out of    28 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    29 out of    29 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    30 out of    30 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    31 out of    31 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    32 out of    32 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    33 out of    33 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    34 out of    34 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    35 out of    35 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    36 out of    36 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    37 out of    37 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    38 out of    38 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    39 out of    39 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    40 out of    40 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    41 out of    41 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    42 out of    42 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    43 out of    43 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    44 out of    44 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    45 out of    45 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    46 out of    46 | elapsed:    6.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    47 out of    47 | elapsed:    6.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    48 out of    48 | elapsed:    6.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    49 out of    49 | elapsed:    6.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    90 out of    90 | elapsed:   11.7s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 90
[Parallel(n_jobs=1)]: Done     1 out of     1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 90
[Parallel(n_jobs=1)]: Done     2 out of     2 | elapsed:    0.9s remaining:    0.0s
building tree 3 of 90
[Parallel(n_jobs=1)]: Done     3 out of     3 | elapsed:    1.3s remaining:    0.0s
building tree 4 of 90
[Parallel(n_jobs=1)]: Done     4 out of     4 | elapsed:    1.7s remaining:    0.0s
building tree 5 of 90
[Parallel(n_jobs=1)]: Done     5 out of     5 | elapsed:    2.1s remaining:    0.0s
building tree 6 of 90
[Parallel(n_jobs=1)]: Done     6 out of     6 | elapsed:    2.6s remaining:    0.0s
building tree 7 of 90
[Parallel(n_jobs=1)]: Done     7 out of     7 | elapsed:    3.0s remaining:    0.0s
building tree 8 of 90
[Parallel(n_jobs=1)]: Done     8 out of     8 | elapsed:    3.5s remaining:    0.0s
building tree 9 of 90
[Parallel(n_jobs=1)]: Done     9 out of     9 | elapsed:    3.9s remaining:    0.0s
building tree 10 of 90
[Parallel(n_jobs=1)]: Done    10 out of    10 | elapsed:    4.4s remaining:    0.0s
building tree 11 of 90
[Parallel(n_jobs=1)]: Done    11 out of    11 | elapsed:    4.8s remaining:    0.0s
building tree 12 of 90
[Parallel(n_jobs=1)]: Done    12 out of    12 | elapsed:    5.2s remaining:    0.0s
building tree 13 of 90
[Parallel(n_jobs=1)]: Done    13 out of    13 | elapsed:    5.7s remaining:    0.0s
building tree 14 of 90
[Parallel(n_jobs=1)]: Done    14 out of    14 | elapsed:    6.1s remaining:    0.0s
building tree 15 of 90
[Parallel(n_jobs=1)]: Done    15 out of    15 | elapsed:    6.5s remaining:    0.0s
building tree 16 of 90
[Parallel(n_jobs=1)]: Done    16 out of    16 | elapsed:    6.9s remaining:    0.0s
building tree 17 of 90
[Parallel(n_jobs=1)]: Done    17 out of    17 | elapsed:    7.3s remaining:    0.0s
building tree 18 of 90
[Parallel(n_jobs=1)]: Done    18 out of    18 | elapsed:    7.8s remaining:    0.0s
building tree 19 of 90
[Parallel(n_jobs=1)]: Done    19 out of    19 | elapsed:    8.3s remaining:    0.0s
building tree 20 of 90
[Parallel(n_jobs=1)]: Done    20 out of    20 | elapsed:    8.7s remaining:    0.0s
building tree 21 of 90
[Parallel(n_jobs=1)]: Done    21 out of    21 | elapsed:    9.2s remaining:    0.0s
building tree 22 of 90
[Parallel(n_jobs=1)]: Done    22 out of    22 | elapsed:    9.6s remaining:    0.0s
building tree 23 of 90
[Parallel(n_jobs=1)]: Done    23 out of    23 | elapsed:   10.0s remaining:    0.0s
building tree 24 of 90
[Parallel(n_jobs=1)]: Done    24 out of    24 | elapsed:   10.4s remaining:    0.0s
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[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed: 10.4s remaining: 0.0s
building tree 25 of 90
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed: 10.9s remaining: 0.0s
building tree 26 of 90
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed: 11.3s remaining: 0.0s
building tree 27 of 90
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed: 11.8s remaining: 0.0s
building tree 28 of 90
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed: 12.2s remaining: 0.0s
building tree 29 of 90
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed: 12.6s remaining: 0.0s
building tree 30 of 90
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed: 13.1s remaining: 0.0s
building tree 31 of 90
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed: 13.5s remaining: 0.0s
building tree 32 of 90
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed: 14.0s remaining: 0.0s
building tree 33 of 90
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed: 14.4s remaining: 0.0s
building tree 34 of 90
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed: 14.8s remaining: 0.0s
building tree 35 of 90
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed: 15.3s remaining: 0.0s
building tree 36 of 90
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed: 15.7s remaining: 0.0s
building tree 37 of 90
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed: 16.2s remaining: 0.0s
building tree 38 of 90
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed: 16.6s remaining: 0.0s
building tree 39 of 90
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed: 17.0s remaining: 0.0s
building tree 40 of 90
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed: 17.5s remaining: 0.0s
building tree 41 of 90
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed: 17.9s remaining: 0.0s
building tree 42 of 90
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed: 18.4s remaining: 0.0s
building tree 43 of 90
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed: 18.8s remaining: 0.0s
building tree 44 of 90
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed: 19.3s remaining: 0.0s
building tree 45 of 90
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed: 19.7s remaining: 0.0s
building tree 46 of 90
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed: 20.1s remaining: 0.0s
building tree 47 of 90
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed: 20.6s remaining: 0.0s
building tree 48 of 90
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed: 21.0s remaining: 0.0s
building tree 49 of 90
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed: 21.4s remaining: 0.0s
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building tree 86 of 90
building tree 87 of 90
building tree 88 of 90
building tree 89 of 90
building tree 90 of 90
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:    39.3s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:     0.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:     0.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:     0.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:     0.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:     0.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:     0.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:     0.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:     0.5s remaining:      0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:     0.6s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:     0.6s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:     0.7s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:     0.8s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:     0.8s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:     0.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:     1.0s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:     1.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:     1.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:     1.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:     1.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:     1.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:     1.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:     1.5s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:     1.5s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:     1.6s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:     1.7s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:     1.7s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:     1.8s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:     1.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:     1.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:     2.0s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:     2.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:     2.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:     2.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:     2.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:     2.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:     2.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:     2.5s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:     2.5s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:     2.6s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:     2.7s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:     2.7s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:     2.8s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:     2.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:     2.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:     3.0s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:     3.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:     3.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:     3.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:     3.3s remaining:      0.0s
```

```
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:    6.0s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    6.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    6.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    6.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    6.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:   11.6s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 90
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 90
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.8s remaining:    0.0s
building tree 3 of 90
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.3s remaining:    0.0s
building tree 4 of 90
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.7s remaining:    0.0s
building tree 5 of 90
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    2.2s remaining:    0.0s
building tree 6 of 90
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.6s remaining:    0.0s
building tree 7 of 90
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    3.0s remaining:    0.0s
building tree 8 of 90
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.5s remaining:    0.0s
building tree 9 of 90
```

```
building tree 9 of 90
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.9s remaining:    0.0s
building tree 10 of 90
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    4.3s remaining:    0.0s
building tree 11 of 90
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.7s remaining:    0.0s
building tree 12 of 90
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    5.1s remaining:    0.0s
building tree 13 of 90
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.6s remaining:    0.0s
building tree 14 of 90
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    6.0s remaining:    0.0s
building tree 15 of 90
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    6.5s remaining:    0.0s
building tree 16 of 90
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.9s remaining:    0.0s
building tree 17 of 90
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    7.3s remaining:    0.0s
building tree 18 of 90
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.8s remaining:    0.0s
building tree 19 of 90
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    8.2s remaining:    0.0s
building tree 20 of 90
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    8.7s remaining:    0.0s
building tree 21 of 90
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    9.1s remaining:    0.0s
building tree 22 of 90
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    9.5s remaining:    0.0s
building tree 23 of 90
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:   10.0s remaining:    0.0s
building tree 24 of 90
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:   10.4s remaining:    0.0s
building tree 25 of 90
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:   10.8s remaining:    0.0s
building tree 26 of 90
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   11.3s remaining:    0.0s
building tree 27 of 90
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   11.7s remaining:    0.0s
building tree 28 of 90
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   12.1s remaining:    0.0s
building tree 29 of 90
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   12.6s remaining:    0.0s
building tree 30 of 90
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:   13.0s remaining:    0.0s
building tree 31 of 90
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   13.4s remaining:    0.0s
building tree 32 of 90
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   13.9s remaining:    0.0s
building tree 33 of 90
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   14.3s remaining:    0.0s
building tree 34 of 90
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   14.7s remaining:    0.0s
building tree 35 of 90
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   15.1s remaining:    0.0s
building tree 36 of 90
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   15.5s remaining:    0.0s
building tree 37 of 90
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   15.9s remaining:    0.0s
building tree 38 of 90
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   16.3s remaining:    0.0s
building tree 39 of 90
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   16.7s remaining:    0.0s
building tree 40 of 90
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   17.0s remaining:    0.0s
building tree 41 of 90
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   17.4s remaining:    0.0s
building tree 42 of 90
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   17.8s remaining:    0.0s
building tree 43 of 90
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   18.2s remaining:    0.0s
building tree 44 of 90
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   18.6s remaining:    0.0s
building tree 45 of 90
```

```
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:   19.0s remaining:    0.0s
building tree 46 of 90
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:   19.3s remaining:    0.0s
building tree 47 of 90
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:   19.7s remaining:    0.0s
building tree 48 of 90
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:   20.1s remaining:    0.0s
building tree 49 of 90
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:   20.5s remaining:    0.0s
building tree 50 of 90
building tree 51 of 90
building tree 52 of 90
building tree 53 of 90
building tree 54 of 90
building tree 55 of 90
building tree 56 of 90
building tree 57 of 90
building tree 58 of 90
building tree 59 of 90
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building tree 82 of 90
building tree 83 of 90
building tree 84 of 90
building tree 85 of 90
building tree 86 of 90
building tree 87 of 90
building tree 88 of 90
building tree 89 of 90
building tree 90 of 90
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:   36.3s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.1s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:    5.5s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.4s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:   10.6s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 100
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 100
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.8s remaining:    0.0s
building tree 3 of 100
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.2s remaining:    0.0s
building tree 4 of 100
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.5s remaining:    0.0s
building tree 5 of 100
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    1.9s remaining:    0.0s
building tree 6 of 100
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.3s remaining:    0.0s
building tree 7 of 100
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    2.7s remaining:    0.0s
building tree 8 of 100
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.1s remaining:    0.0s
building tree 9 of 100
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.5s remaining:    0.0s
building tree 10 of 100
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    3.9s remaining:    0.0s
building tree 11 of 100
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.2s remaining:    0.0s
building tree 12 of 100
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    4.6s remaining:    0.0s
building tree 13 of 100
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.0s remaining:    0.0s
building tree 14 of 100
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    5.4s remaining:    0.0s
building tree 15 of 100
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    5.8s remaining:    0.0s
building tree 16 of 100
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.2s remaining:    0.0s
building tree 17 of 100
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    6.6s remaining:    0.0s
building tree 18 of 100
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    6.9s remaining:    0.0s
building tree 19 of 100
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    7.3s remaining:    0.0s
building tree 20 of 100
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    7.7s remaining:    0.0s
building tree 21 of 100
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    8.1s remaining:    0.0s
building tree 22 of 100
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    8.5s remaining:    0.0s
building tree 23 of 100
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    8.8s remaining:    0.0s
building tree 24 of 100
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    9.2s remaining:    0.0s
building tree 25 of 100
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    9.7s remaining:    0.0s
building tree 26 of 100
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   10.0s remaining:    0.0s
building tree 27 of 100
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   10.4s remaining:    0.0s
building tree 28 of 100
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   10.8s remaining:    0.0s
building tree 29 of 100
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   11.2s remaining:    0.0s
```

[Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 11.2s remaining: 0.0s
building tree 30 of 100
[Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 11.6s remaining: 0.0s
building tree 31 of 100
[Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 12.0s remaining: 0.0s
building tree 32 of 100
[Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 12.3s remaining: 0.0s
building tree 33 of 100
[Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 12.7s remaining: 0.0s
building tree 34 of 100
[Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 13.1s remaining: 0.0s
building tree 35 of 100
[Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 13.5s remaining: 0.0s
building tree 36 of 100
[Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 13.9s remaining: 0.0s
building tree 37 of 100
[Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 14.3s remaining: 0.0s
building tree 38 of 100
[Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 14.7s remaining: 0.0s
building tree 39 of 100
[Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 15.1s remaining: 0.0s
building tree 40 of 100
[Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 15.4s remaining: 0.0s
building tree 41 of 100
[Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 15.8s remaining: 0.0s
building tree 42 of 100
[Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 16.2s remaining: 0.0s
building tree 43 of 100
[Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 16.6s remaining: 0.0s
building tree 44 of 100
[Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 17.0s remaining: 0.0s
building tree 45 of 100
[Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 17.4s remaining: 0.0s
building tree 46 of 100
[Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 17.7s remaining: 0.0s
building tree 47 of 100
[Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 18.1s remaining: 0.0s
building tree 48 of 100
[Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 18.5s remaining: 0.0s
building tree 49 of 100
[Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 18.9s remaining: 0.0s
building tree 50 of 100
building tree 51 of 100
building tree 52 of 100
building tree 53 of 100
building tree 54 of 100
building tree 55 of 100
building tree 56 of 100
building tree 57 of 100
building tree 58 of 100
building tree 59 of 100
building tree 60 of 100
building tree 61 of 100
building tree 62 of 100
building tree 63 of 100
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building tree 66 of 100
building tree 67 of 100
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building tree 74 of 100
building tree 75 of 100
building tree 76 of 100
building tree 77 of 100
building tree 78 of 100
building tree 79 of 100
building tree 80 of 100
building tree 81 of 100

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building tree 81 of 100
building tree 82 of 100
building tree 83 of 100
building tree 84 of 100
building tree 85 of 100
building tree 86 of 100
building tree 87 of 100
building tree 88 of 100
building tree 89 of 100
building tree 90 of 100
building tree 91 of 100
building tree 92 of 100
building tree 93 of 100
building tree 94 of 100
building tree 95 of 100
building tree 96 of 100
building tree 97 of 100
building tree 98 of 100
building tree 99 of 100
building tree 100 of 100
[Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed:    38.7s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.1s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.13 remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:    6.2s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:   11.9s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 100
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 100
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.8s remaining:    0.0s
building tree 3 of 100
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.2s remaining:    0.0s
building tree 4 of 100
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.6s remaining:    0.0s
building tree 5 of 100
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    1.9s remaining:    0.0s
building tree 6 of 100
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.3s remaining:    0.0s
building tree 7 of 100
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    2.7s remaining:    0.0s
building tree 8 of 100
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.1s remaining:    0.0s
building tree 9 of 100
```

```
building tree 9 of 100
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.5s remaining:    0.0s
building tree 10 of 100
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    3.9s remaining:    0.0s
building tree 11 of 100
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.3s remaining:    0.0s
building tree 12 of 100
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    4.7s remaining:    0.0s
building tree 13 of 100
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.1s remaining:    0.0s
building tree 14 of 100
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    5.4s remaining:    0.0s
building tree 15 of 100
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    5.8s remaining:    0.0s
building tree 16 of 100
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.2s remaining:    0.0s
building tree 17 of 100
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    6.6s remaining:    0.0s
building tree 18 of 100
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.0s remaining:    0.0s
building tree 19 of 100
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    7.4s remaining:    0.0s
building tree 20 of 100
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    7.8s remaining:    0.0s
building tree 21 of 100
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    8.1s remaining:    0.0s
building tree 22 of 100
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    8.5s remaining:    0.0s
building tree 23 of 100
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    8.9s remaining:    0.0s
building tree 24 of 100
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    9.3s remaining:    0.0s
building tree 25 of 100
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    9.7s remaining:    0.0s
building tree 26 of 100
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   10.1s remaining:    0.0s
building tree 27 of 100
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   10.4s remaining:    0.0s
building tree 28 of 100
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   10.8s remaining:    0.0s
building tree 29 of 100
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   11.2s remaining:    0.0s
building tree 30 of 100
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:   11.6s remaining:    0.0s
building tree 31 of 100
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   11.9s remaining:    0.0s
building tree 32 of 100
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   12.3s remaining:    0.0s
building tree 33 of 100
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   12.7s remaining:    0.0s
building tree 34 of 100
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   13.1s remaining:    0.0s
building tree 35 of 100
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   13.5s remaining:    0.0s
building tree 36 of 100
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   13.8s remaining:    0.0s
building tree 37 of 100
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   14.2s remaining:    0.0s
building tree 38 of 100
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   14.6s remaining:    0.0s
building tree 39 of 100
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   15.0s remaining:    0.0s
building tree 40 of 100
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   15.3s remaining:    0.0s
building tree 41 of 100
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   15.7s remaining:    0.0s
building tree 42 of 100
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   16.1s remaining:    0.0s
building tree 43 of 100
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   16.5s remaining:    0.0s
building tree 44 of 100
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   16.9s remaining:    0.0s
building tree 45 of 100
```

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building tree 45 of 100
[Parallel(n_jobs=1)]: Done  45 out of  45 | elapsed:   17.2s remaining:    0.0s
building tree 46 of 100
[Parallel(n_jobs=1)]: Done  46 out of  46 | elapsed:   17.6s remaining:    0.0s
building tree 47 of 100
[Parallel(n_jobs=1)]: Done  47 out of  47 | elapsed:   18.0s remaining:    0.0s
building tree 48 of 100
[Parallel(n_jobs=1)]: Done  48 out of  48 | elapsed:   18.4s remaining:    0.0s
building tree 49 of 100
[Parallel(n_jobs=1)]: Done  49 out of  49 | elapsed:   18.8s remaining:    0.0s
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building tree 94 of 100
building tree 95 of 100
building tree 96 of 100
building tree 97 of 100
building tree 98 of 100
building tree 99 of 100
building tree 100 of 100
[Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed:   38.7s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done   1 out of   1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   2 out of   2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   3 out of   3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   4 out of   4 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   5 out of   5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   6 out of   6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   7 out of   7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   8 out of   8 | elapsed:    0.5s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:    6.7s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.5s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done    27 out of    27 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    28 out of    28 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    29 out of    29 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    30 out of    30 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    31 out of    31 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    32 out of    32 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    33 out of    33 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    34 out of    34 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    35 out of    35 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    36 out of    36 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    37 out of    37 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    38 out of    38 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    39 out of    39 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    40 out of    40 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    41 out of    41 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    42 out of    42 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    43 out of    43 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    44 out of    44 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    45 out of    45 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    46 out of    46 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    47 out of    47 | elapsed:    6.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    48 out of    48 | elapsed:    6.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    49 out of    49 | elapsed:    6.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   100 out of   100 | elapsed:   12.7s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 100
[Parallel(n_jobs=1)]: Done     1 out of     1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 100
[Parallel(n_jobs=1)]: Done     2 out of     2 | elapsed:    0.9s remaining:    0.0s
building tree 3 of 100
[Parallel(n_jobs=1)]: Done     3 out of     3 | elapsed:    1.3s remaining:    0.0s
building tree 4 of 100
[Parallel(n_jobs=1)]: Done     4 out of     4 | elapsed:    1.7s remaining:    0.0s
building tree 5 of 100
[Parallel(n_jobs=1)]: Done     5 out of     5 | elapsed:    2.2s remaining:    0.0s
building tree 6 of 100
[Parallel(n_jobs=1)]: Done     6 out of     6 | elapsed:    2.6s remaining:    0.0s
building tree 7 of 100
[Parallel(n_jobs=1)]: Done     7 out of     7 | elapsed:    3.0s remaining:    0.0s
building tree 8 of 100
[Parallel(n_jobs=1)]: Done     8 out of     8 | elapsed:    3.5s remaining:    0.0s
building tree 9 of 100
[Parallel(n_jobs=1)]: Done     9 out of     9 | elapsed:    3.9s remaining:    0.0s
building tree 10 of 100
[Parallel(n_jobs=1)]: Done    10 out of    10 | elapsed:    4.3s remaining:    0.0s
building tree 11 of 100
[Parallel(n_jobs=1)]: Done    11 out of    11 | elapsed:    4.8s remaining:    0.0s
building tree 12 of 100
[Parallel(n_jobs=1)]: Done    12 out of    12 | elapsed:    5.2s remaining:    0.0s
building tree 13 of 100
[Parallel(n_jobs=1)]: Done    13 out of    13 | elapsed:    5.6s remaining:    0.0s
building tree 14 of 100
[Parallel(n_jobs=1)]: Done    14 out of    14 | elapsed:    6.1s remaining:    0.0s
building tree 15 of 100
[Parallel(n_jobs=1)]: Done    15 out of    15 | elapsed:    6.5s remaining:    0.0s
building tree 16 of 100
[Parallel(n_jobs=1)]: Done    16 out of    16 | elapsed:    7.0s remaining:    0.0s
building tree 17 of 100
[Parallel(n_jobs=1)]: Done    17 out of    17 | elapsed:    7.4s remaining:    0.0s
building tree 18 of 100
[Parallel(n_jobs=1)]: Done    18 out of    18 | elapsed:    7.9s remaining:    0.0s
building tree 19 of 100
[Parallel(n_jobs=1)]: Done    19 out of    19 | elapsed:    8.3s remaining:    0.0s
building tree 20 of 100
[Parallel(n_jobs=1)]: Done    20 out of    20 | elapsed:    8.7s remaining:    0.0s
building tree 21 of 100
[Parallel(n_jobs=1)]: Done    21 out of    21 | elapsed:    9.1s remaining:    0.0s
building tree 22 of 100
[Parallel(n_jobs=1)]: Done    22 out of    22 | elapsed:    9.6s remaining:    0.0s
building tree 23 of 100
[Parallel(n_jobs=1)]: Done    23 out of    23 | elapsed:   10.0s remaining:    0.0s
building tree 24 of 100
[Parallel(n_jobs=1)]: Done    24 out of    24 | elapsed:   10.4s remaining:    0.0s
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building tree 25 of 100
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed: 10.8s remaining: 0.0s
building tree 26 of 100
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed: 11.3s remaining: 0.0s
building tree 27 of 100
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed: 11.7s remaining: 0.0s
building tree 28 of 100
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed: 12.2s remaining: 0.0s
building tree 29 of 100
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed: 12.6s remaining: 0.0s
building tree 30 of 100
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed: 13.0s remaining: 0.0s
building tree 31 of 100
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed: 13.5s remaining: 0.0s
building tree 32 of 100
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed: 13.9s remaining: 0.0s
building tree 33 of 100
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed: 14.4s remaining: 0.0s
building tree 34 of 100
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed: 14.8s remaining: 0.0s
building tree 35 of 100
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed: 15.2s remaining: 0.0s
building tree 36 of 100
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed: 15.7s remaining: 0.0s
building tree 37 of 100
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed: 16.1s remaining: 0.0s
building tree 38 of 100
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed: 16.6s remaining: 0.0s
building tree 39 of 100
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed: 17.0s remaining: 0.0s
building tree 40 of 100
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed: 17.5s remaining: 0.0s
building tree 41 of 100
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed: 18.0s remaining: 0.0s
building tree 42 of 100
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed: 18.5s remaining: 0.0s
building tree 43 of 100
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed: 18.9s remaining: 0.0s
building tree 44 of 100
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed: 19.3s remaining: 0.0s
building tree 45 of 100
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed: 19.8s remaining: 0.0s
building tree 46 of 100
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed: 20.2s remaining: 0.0s
building tree 47 of 100
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed: 20.6s remaining: 0.0s
building tree 48 of 100
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed: 21.1s remaining: 0.0s
building tree 49 of 100
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed: 21.5s remaining: 0.0s
building tree 50 of 100
building tree 51 of 100
building tree 52 of 100
building tree 53 of 100
building tree 54 of 100
building tree 55 of 100
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building tree 71 of 100
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building tree 92 of 100
building tree 93 of 100
building tree 94 of 100
building tree 95 of 100
building tree 96 of 100
building tree 97 of 100
building tree 98 of 100
building tree 99 of 100
building tree 100 of 100
[Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed:    44.2s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.6s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done   39 out of   59 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:    6.8s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    6.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    6.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    6.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    6.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:   12.9s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 110
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 110
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.9s remaining:    0.0s
building tree 3 of 110
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.3s remaining:    0.0s
building tree 4 of 110
```

```
building tree 4 of 110
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.8s remaining:    0.0s
building tree 5 of 110
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    2.2s remaining:    0.0s
building tree 6 of 110
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.6s remaining:    0.0s
building tree 7 of 110
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    3.1s remaining:    0.0s
building tree 8 of 110
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.5s remaining:    0.0s
building tree 9 of 110
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.9s remaining:    0.0s
building tree 10 of 110
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    4.4s remaining:    0.0s
building tree 11 of 110
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.8s remaining:    0.0s
building tree 12 of 110
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    5.2s remaining:    0.0s
building tree 13 of 110
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.7s remaining:    0.0s
building tree 14 of 110
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    6.1s remaining:    0.0s
building tree 15 of 110
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    6.6s remaining:    0.0s
building tree 16 of 110
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    7.0s remaining:    0.0s
building tree 17 of 110
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    7.5s remaining:    0.0s
building tree 18 of 110
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.9s remaining:    0.0s
building tree 19 of 110
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    8.4s remaining:    0.0s
building tree 20 of 110
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    8.8s remaining:    0.0s
building tree 21 of 110
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    9.2s remaining:    0.0s
building tree 22 of 110
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    9.7s remaining:    0.0s
building tree 23 of 110
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:   10.1s remaining:    0.0s
building tree 24 of 110
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:   10.6s remaining:    0.0s
building tree 25 of 110
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:   11.0s remaining:    0.0s
building tree 26 of 110
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   11.5s remaining:    0.0s
building tree 27 of 110
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   12.0s remaining:    0.0s
building tree 28 of 110
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   12.4s remaining:    0.0s
building tree 29 of 110
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   12.9s remaining:    0.0s
building tree 30 of 110
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:   13.3s remaining:    0.0s
building tree 31 of 110
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   13.8s remaining:    0.0s
building tree 32 of 110
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   14.2s remaining:    0.0s
building tree 33 of 110
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   14.6s remaining:    0.0s
building tree 34 of 110
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   15.1s remaining:    0.0s
building tree 35 of 110
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   15.5s remaining:    0.0s
building tree 36 of 110
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   16.0s remaining:    0.0s
building tree 37 of 110
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   16.4s remaining:    0.0s
building tree 38 of 110
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   16.9s remaining:    0.0s
building tree 39 of 110
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   17.3s remaining:    0.0s
building tree 40 of 110
```

```
building tree 40 of 110
[Parallel(n_jobs=1)]: Done  40 out of  40 | elapsed:   17.7s remaining:    0.0s
building tree 41 of 110
[Parallel(n_jobs=1)]: Done  41 out of  41 | elapsed:   18.1s remaining:    0.0s
building tree 42 of 110
[Parallel(n_jobs=1)]: Done  42 out of  42 | elapsed:   18.6s remaining:    0.0s
building tree 43 of 110
[Parallel(n_jobs=1)]: Done  43 out of  43 | elapsed:   19.0s remaining:    0.0s
building tree 44 of 110
[Parallel(n_jobs=1)]: Done  44 out of  44 | elapsed:   19.5s remaining:    0.0s
building tree 45 of 110
[Parallel(n_jobs=1)]: Done  45 out of  45 | elapsed:   19.9s remaining:    0.0s
building tree 46 of 110
[Parallel(n_jobs=1)]: Done  46 out of  46 | elapsed:   20.4s remaining:    0.0s
building tree 47 of 110
[Parallel(n_jobs=1)]: Done  47 out of  47 | elapsed:   20.8s remaining:    0.0s
building tree 48 of 110
[Parallel(n_jobs=1)]: Done  48 out of  48 | elapsed:   21.3s remaining:    0.0s
building tree 49 of 110
[Parallel(n_jobs=1)]: Done  49 out of  49 | elapsed:   21.7s remaining:    0.0s
building tree 50 of 110
building tree 51 of 110
building tree 52 of 110
building tree 53 of 110
building tree 54 of 110
building tree 55 of 110
building tree 56 of 110
building tree 57 of 110
building tree 58 of 110
building tree 59 of 110
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building tree 87 of 110
building tree 88 of 110
building tree 89 of 110
building tree 90 of 110
building tree 91 of 110
building tree 92 of 110
building tree 93 of 110
building tree 94 of 110
building tree 95 of 110
building tree 96 of 110
building tree 97 of 110
building tree 98 of 110
building tree 99 of 110
building tree 100 of 110
building tree 101 of 110
building tree 102 of 110
```

```
building tree 102 of 110
building tree 103 of 110
building tree 104 of 110
building tree 105 of 110
building tree 106 of 110
building tree 107 of 110
building tree 108 of 110
building tree 109 of 110
building tree 110 of 110
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:    48.9s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:     7.3s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.9s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done      7 out of     7 | elapsed:    0.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done      8 out of     8 | elapsed:    1.0s remaining:      0.0s
[Parallel(n_jobs=1)]: Done      9 out of     9 | elapsed:    1.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     10 out of    10 | elapsed:    1.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     11 out of    11 | elapsed:    1.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     12 out of    12 | elapsed:    1.5s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     13 out of    13 | elapsed:    1.6s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     14 out of    14 | elapsed:    1.8s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     15 out of    15 | elapsed:    1.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     16 out of    16 | elapsed:    2.0s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     17 out of    17 | elapsed:    2.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     18 out of    18 | elapsed:    2.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     19 out of    19 | elapsed:    2.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     20 out of    20 | elapsed:    2.5s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     21 out of    21 | elapsed:    2.7s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     22 out of    22 | elapsed:    2.8s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     23 out of    23 | elapsed:    2.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     24 out of    24 | elapsed:    3.0s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     25 out of    25 | elapsed:    3.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     26 out of    26 | elapsed:    3.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     27 out of    27 | elapsed:    3.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     28 out of    28 | elapsed:    3.5s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     29 out of    29 | elapsed:    3.7s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     30 out of    30 | elapsed:    3.8s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     31 out of    31 | elapsed:    3.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     32 out of    32 | elapsed:    4.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     33 out of    33 | elapsed:    4.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     34 out of    34 | elapsed:    4.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     35 out of    35 | elapsed:    4.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     36 out of    36 | elapsed:    4.6s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     37 out of    37 | elapsed:    4.7s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     38 out of    38 | elapsed:    4.8s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     39 out of    39 | elapsed:    4.9s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     40 out of    40 | elapsed:    5.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     41 out of    41 | elapsed:    5.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     42 out of    42 | elapsed:    5.3s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     43 out of    43 | elapsed:    5.4s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     44 out of    44 | elapsed:    5.6s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     45 out of    45 | elapsed:    5.7s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     46 out of    46 | elapsed:    5.8s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     47 out of    47 | elapsed:    6.0s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     48 out of    48 | elapsed:    6.1s remaining:      0.0s
[Parallel(n_jobs=1)]: Done     49 out of    49 | elapsed:    6.2s remaining:      0.0s
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:   14.0s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 110
[Parallel(n_jobs=1)]: Done      1 out of     1 | elapsed:    0.4s remaining:      0.0s
building tree 2 of 110
[Parallel(n_jobs=1)]: Done      2 out of     2 | elapsed:    0.9s remaining:      0.0s
building tree 3 of 110
[Parallel(n_jobs=1)]: Done      3 out of     3 | elapsed:    1.3s remaining:      0.0s
building tree 4 of 110
[Parallel(n_jobs=1)]: Done      4 out of     4 | elapsed:    1.7s remaining:      0.0s
building tree 5 of 110
[Parallel(n_jobs=1)]: Done      5 out of     5 | elapsed:    2.2s remaining:      0.0s
building tree 6 of 110
[Parallel(n_jobs=1)]: Done      6 out of     6 | elapsed:    2.6s remaining:      0.0s
building tree 7 of 110
[Parallel(n_jobs=1)]: Done      7 out of     7 | elapsed:    3.1s remaining:      0.0s
building tree 8 of 110
[Parallel(n_jobs=1)]: Done      8 out of     8 | elapsed:    3.5s remaining:      0.0s
building tree 9 of 110
[Parallel(n_jobs=1)]: Done      9 out of     9 | elapsed:    3.9s remaining:      0.0s
building tree 10 of 110
[Parallel(n_jobs=1)]: Done     10 out of    10 | elapsed:    4.3s remaining:      0.0s
building tree 11 of 110
[Parallel(n_jobs=1)]: Done     11 out of    11 | elapsed:    4.8s remaining:      0.0s
building tree 12 of 110
[Parallel(n_jobs=1)]: Done     12 out of    12 | elapsed:    5.2s remaining:      0.0s
building tree 13 of 110
[Parallel(n_jobs=1)]: Done     13 out of    13 | elapsed:    5.7s remaining:      0.0s
building tree 14 of 110
[Parallel(n_jobs=1)]: Done     14 out of    14 | elapsed:    6.1s remaining:      0.0s
```

```
[Parallel(n_jobs=1)]: Done   14 out of  14 | elapsed:    6.1s remaining:    0.0s
building tree 15 of 110
[Parallel(n_jobs=1)]: Done   15 out of  15 | elapsed:    6.5s remaining:    0.0s
building tree 16 of 110
[Parallel(n_jobs=1)]: Done   16 out of  16 | elapsed:    6.9s remaining:    0.0s
building tree 17 of 110
[Parallel(n_jobs=1)]: Done   17 out of  17 | elapsed:    7.4s remaining:    0.0s
building tree 18 of 110
[Parallel(n_jobs=1)]: Done   18 out of  18 | elapsed:    7.8s remaining:    0.0s
building tree 19 of 110
[Parallel(n_jobs=1)]: Done   19 out of  19 | elapsed:    8.2s remaining:    0.0s
building tree 20 of 110
[Parallel(n_jobs=1)]: Done   20 out of  20 | elapsed:    8.7s remaining:    0.0s
building tree 21 of 110
[Parallel(n_jobs=1)]: Done   21 out of  21 | elapsed:    9.1s remaining:    0.0s
building tree 22 of 110
[Parallel(n_jobs=1)]: Done   22 out of  22 | elapsed:    9.5s remaining:    0.0s
building tree 23 of 110
[Parallel(n_jobs=1)]: Done   23 out of  23 | elapsed:    9.9s remaining:    0.0s
building tree 24 of 110
[Parallel(n_jobs=1)]: Done   24 out of  24 | elapsed:   10.4s remaining:    0.0s
building tree 25 of 110
[Parallel(n_jobs=1)]: Done   25 out of  25 | elapsed:   10.8s remaining:    0.0s
building tree 26 of 110
[Parallel(n_jobs=1)]: Done   26 out of  26 | elapsed:   11.3s remaining:    0.0s
building tree 27 of 110
[Parallel(n_jobs=1)]: Done   27 out of  27 | elapsed:   11.7s remaining:    0.0s
building tree 28 of 110
[Parallel(n_jobs=1)]: Done   28 out of  28 | elapsed:   12.1s remaining:    0.0s
building tree 29 of 110
[Parallel(n_jobs=1)]: Done   29 out of  29 | elapsed:   12.6s remaining:    0.0s
building tree 30 of 110
[Parallel(n_jobs=1)]: Done   30 out of  30 | elapsed:   13.1s remaining:    0.0s
building tree 31 of 110
[Parallel(n_jobs=1)]: Done   31 out of  31 | elapsed:   13.5s remaining:    0.0s
building tree 32 of 110
[Parallel(n_jobs=1)]: Done   32 out of  32 | elapsed:   14.0s remaining:    0.0s
building tree 33 of 110
[Parallel(n_jobs=1)]: Done   33 out of  33 | elapsed:   14.4s remaining:    0.0s
building tree 34 of 110
[Parallel(n_jobs=1)]: Done   34 out of  34 | elapsed:   14.9s remaining:    0.0s
building tree 35 of 110
[Parallel(n_jobs=1)]: Done   35 out of  35 | elapsed:   15.3s remaining:    0.0s
building tree 36 of 110
[Parallel(n_jobs=1)]: Done   36 out of  36 | elapsed:   15.8s remaining:    0.0s
building tree 37 of 110
[Parallel(n_jobs=1)]: Done   37 out of  37 | elapsed:   16.2s remaining:    0.0s
building tree 38 of 110
[Parallel(n_jobs=1)]: Done   38 out of  38 | elapsed:   16.7s remaining:    0.0s
building tree 39 of 110
[Parallel(n_jobs=1)]: Done   39 out of  39 | elapsed:   17.1s remaining:    0.0s
building tree 40 of 110
[Parallel(n_jobs=1)]: Done   40 out of  40 | elapsed:   17.6s remaining:    0.0s
building tree 41 of 110
[Parallel(n_jobs=1)]: Done   41 out of  41 | elapsed:   18.1s remaining:    0.0s
building tree 42 of 110
[Parallel(n_jobs=1)]: Done   42 out of  42 | elapsed:   18.5s remaining:    0.0s
building tree 43 of 110
[Parallel(n_jobs=1)]: Done   43 out of  43 | elapsed:   19.0s remaining:    0.0s
building tree 44 of 110
[Parallel(n_jobs=1)]: Done   44 out of  44 | elapsed:   19.4s remaining:    0.0s
building tree 45 of 110
[Parallel(n_jobs=1)]: Done   45 out of  45 | elapsed:   19.8s remaining:    0.0s
building tree 46 of 110
[Parallel(n_jobs=1)]: Done   46 out of  46 | elapsed:   20.3s remaining:    0.0s
building tree 47 of 110
[Parallel(n_jobs=1)]: Done   47 out of  47 | elapsed:   20.7s remaining:    0.0s
building tree 48 of 110
[Parallel(n_jobs=1)]: Done   48 out of  48 | elapsed:   21.1s remaining:    0.0s
building tree 49 of 110
[Parallel(n_jobs=1)]: Done   49 out of  49 | elapsed:   21.6s remaining:    0.0s
building tree 50 of 110
building tree 51 of 110
```

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building tree 51 of 110
building tree 52 of 110
building tree 53 of 110
building tree 54 of 110
building tree 55 of 110
building tree 56 of 110
building tree 57 of 110
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building tree 103 of 110
building tree 104 of 110
building tree 105 of 110
building tree 106 of 110
building tree 107 of 110
building tree 108 of 110
building tree 109 of 110
building tree 110 of 110
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:    46.3s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:     0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:     0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:     0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:     0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:     0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:     0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:     0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:     0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:     0.5s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:    6.8s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.3s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done    28 out of    28 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    29 out of    29 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    30 out of    30 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    31 out of    31 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    32 out of    32 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    33 out of    33 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    34 out of    34 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    35 out of    35 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    36 out of    36 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    37 out of    37 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    38 out of    38 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    39 out of    39 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    40 out of    40 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    41 out of    41 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    42 out of    42 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    43 out of    43 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    44 out of    44 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    45 out of    45 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    46 out of    46 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    47 out of    47 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    48 out of    48 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    49 out of    49 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   110 out of   110 | elapsed:   13.1s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 110
[Parallel(n_jobs=1)]: Done     1 out of     1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 110
[Parallel(n_jobs=1)]: Done     2 out of     2 | elapsed:    0.7s remaining:    0.0s
building tree 3 of 110
[Parallel(n_jobs=1)]: Done     3 out of     3 | elapsed:    1.1s remaining:    0.0s
building tree 4 of 110
[Parallel(n_jobs=1)]: Done     4 out of     4 | elapsed:    1.5s remaining:    0.0s
building tree 5 of 110
[Parallel(n_jobs=1)]: Done     5 out of     5 | elapsed:    1.9s remaining:    0.0s
building tree 6 of 110
[Parallel(n_jobs=1)]: Done     6 out of     6 | elapsed:    2.3s remaining:    0.0s
building tree 7 of 110
[Parallel(n_jobs=1)]: Done     7 out of     7 | elapsed:    2.7s remaining:    0.0s
building tree 8 of 110
[Parallel(n_jobs=1)]: Done     8 out of     8 | elapsed:    3.1s remaining:    0.0s
building tree 9 of 110
[Parallel(n_jobs=1)]: Done     9 out of     9 | elapsed:    3.4s remaining:    0.0s
building tree 10 of 110
[Parallel(n_jobs=1)]: Done    10 out of    10 | elapsed:    3.8s remaining:    0.0s
building tree 11 of 110
[Parallel(n_jobs=1)]: Done    11 out of    11 | elapsed:    4.2s remaining:    0.0s
building tree 12 of 110
[Parallel(n_jobs=1)]: Done    12 out of    12 | elapsed:    4.5s remaining:    0.0s
building tree 13 of 110
[Parallel(n_jobs=1)]: Done    13 out of    13 | elapsed:    4.9s remaining:    0.0s
building tree 14 of 110
[Parallel(n_jobs=1)]: Done    14 out of    14 | elapsed:    5.3s remaining:    0.0s
building tree 15 of 110
[Parallel(n_jobs=1)]: Done    15 out of    15 | elapsed:    5.7s remaining:    0.0s
building tree 16 of 110
[Parallel(n_jobs=1)]: Done    16 out of    16 | elapsed:    6.1s remaining:    0.0s
building tree 17 of 110
[Parallel(n_jobs=1)]: Done    17 out of    17 | elapsed:    6.4s remaining:    0.0s
building tree 18 of 110
[Parallel(n_jobs=1)]: Done    18 out of    18 | elapsed:    6.8s remaining:    0.0s
building tree 19 of 110
[Parallel(n_jobs=1)]: Done    19 out of    19 | elapsed:    7.2s remaining:    0.0s
building tree 20 of 110
[Parallel(n_jobs=1)]: Done    20 out of    20 | elapsed:    7.6s remaining:    0.0s
building tree 21 of 110
[Parallel(n_jobs=1)]: Done    21 out of    21 | elapsed:    7.9s remaining:    0.0s
building tree 22 of 110
[Parallel(n_jobs=1)]: Done    22 out of    22 | elapsed:    8.3s remaining:    0.0s
building tree 23 of 110
[Parallel(n_jobs=1)]: Done    23 out of    23 | elapsed:    8.7s remaining:    0.0s
building tree 24 of 110
[Parallel(n_jobs=1)]: Done    24 out of    24 | elapsed:    9.1s remaining:    0.0s
building tree 25 of 110
```

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building tree 25 of 110
[Parallel(n_jobs=1)]: Done  25 out of  25 | elapsed:    9.5s remaining:    0.0s
building tree 26 of 110
[Parallel(n_jobs=1)]: Done  26 out of  26 | elapsed:    9.8s remaining:    0.0s
building tree 27 of 110
[Parallel(n_jobs=1)]: Done  27 out of  27 | elapsed:   10.2s remaining:    0.0s
building tree 28 of 110
[Parallel(n_jobs=1)]: Done  28 out of  28 | elapsed:   10.6s remaining:    0.0s
building tree 29 of 110
[Parallel(n_jobs=1)]: Done  29 out of  29 | elapsed:   11.0s remaining:    0.0s
building tree 30 of 110
[Parallel(n_jobs=1)]: Done  30 out of  30 | elapsed:   11.3s remaining:    0.0s
building tree 31 of 110
[Parallel(n_jobs=1)]: Done  31 out of  31 | elapsed:   11.7s remaining:    0.0s
building tree 32 of 110
[Parallel(n_jobs=1)]: Done  32 out of  32 | elapsed:   12.1s remaining:    0.0s
building tree 33 of 110
[Parallel(n_jobs=1)]: Done  33 out of  33 | elapsed:   12.5s remaining:    0.0s
building tree 34 of 110
[Parallel(n_jobs=1)]: Done  34 out of  34 | elapsed:   12.9s remaining:    0.0s
building tree 35 of 110
[Parallel(n_jobs=1)]: Done  35 out of  35 | elapsed:   13.2s remaining:    0.0s
building tree 36 of 110
[Parallel(n_jobs=1)]: Done  36 out of  36 | elapsed:   13.6s remaining:    0.0s
building tree 37 of 110
[Parallel(n_jobs=1)]: Done  37 out of  37 | elapsed:   14.0s remaining:    0.0s
building tree 38 of 110
[Parallel(n_jobs=1)]: Done  38 out of  38 | elapsed:   14.4s remaining:    0.0s
building tree 39 of 110
[Parallel(n_jobs=1)]: Done  39 out of  39 | elapsed:   14.8s remaining:    0.0s
building tree 40 of 110
[Parallel(n_jobs=1)]: Done  40 out of  40 | elapsed:   15.2s remaining:    0.0s
building tree 41 of 110
[Parallel(n_jobs=1)]: Done  41 out of  41 | elapsed:   15.6s remaining:    0.0s
building tree 42 of 110
[Parallel(n_jobs=1)]: Done  42 out of  42 | elapsed:   16.0s remaining:    0.0s
building tree 43 of 110
[Parallel(n_jobs=1)]: Done  43 out of  43 | elapsed:   16.3s remaining:    0.0s
building tree 44 of 110
[Parallel(n_jobs=1)]: Done  44 out of  44 | elapsed:   16.7s remaining:    0.0s
building tree 45 of 110
[Parallel(n_jobs=1)]: Done  45 out of  45 | elapsed:   17.2s remaining:    0.0s
building tree 46 of 110
[Parallel(n_jobs=1)]: Done  46 out of  46 | elapsed:   17.6s remaining:    0.0s
building tree 47 of 110
[Parallel(n_jobs=1)]: Done  47 out of  47 | elapsed:   18.0s remaining:    0.0s
building tree 48 of 110
[Parallel(n_jobs=1)]: Done  48 out of  48 | elapsed:   18.4s remaining:    0.0s
building tree 49 of 110
[Parallel(n_jobs=1)]: Done  49 out of  49 | elapsed:   18.8s remaining:    0.0s
building tree 50 of 110
building tree 51 of 110
building tree 52 of 110
building tree 53 of 110
building tree 54 of 110
building tree 55 of 110
building tree 56 of 110
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building tree 66 of 110
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building tree 69 of 110
building tree 70 of 110
building tree 71 of 110
building tree 72 of 110
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building tree 73 of 110
building tree 74 of 110
building tree 75 of 110
building tree 76 of 110
building tree 77 of 110
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building tree 80 of 110
building tree 81 of 110
building tree 82 of 110
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building tree 102 of 110
building tree 103 of 110
building tree 104 of 110
building tree 105 of 110
building tree 106 of 110
building tree 107 of 110
building tree 108 of 110
building tree 109 of 110
building tree 110 of 110
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:    42.2s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.8s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  110 out of  110 | elapsed:    6.8s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.8s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  110 out of  110 | elapsed:   13.2s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 90
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 90
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.8s remaining:    0.0s
building tree 3 of 90
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.2s remaining:    0.0s
building tree 4 of 90
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.5s remaining:    0.0s
building tree 5 of 90
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    1.9s remaining:    0.0s
building tree 6 of 90
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.3s remaining:    0.0s
building tree 7 of 90
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    2.7s remaining:    0.0s
building tree 8 of 90
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.0s remaining:    0.0s
building tree 9 of 90
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.4s remaining:    0.0s
building tree 10 of 90
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    3.8s remaining:    0.0s
building tree 11 of 90
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.2s remaining:    0.0s
building tree 12 of 90
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    4.5s remaining:    0.0s
building tree 13 of 90
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    4.9s remaining:    0.0s
building tree 14 of 90
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    5.3s remaining:    0.0s
building tree 15 of 90
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    5.7s remaining:    0.0s
building tree 16 of 90
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.0s remaining:    0.0s
building tree 17 of 90
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    6.4s remaining:    0.0s
building tree 18 of 90
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    6.8s remaining:    0.0s
building tree 19 of 90
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    7.2s remaining:    0.0s
building tree 20 of 90
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    7.6s remaining:    0.0s
building tree 21 of 90
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    7.9s remaining:    0.0s
building tree 22 of 90
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    8.3s remaining:    0.0s
building tree 23 of 90
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    8.7s remaining:    0.0s
building tree 24 of 90
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    9.1s remaining:    0.0s
building tree 25 of 90
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    9.5s remaining:    0.0s
building tree 26 of 90
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    9.9s remaining:    0.0s
building tree 27 of 90
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   10.2s remaining:    0.0s
building tree 28 of 90
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   10.6s remaining:    0.0s
building tree 29 of 90
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   11.0s remaining:    0.0s
building tree 30 of 90
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapBsed:   11.3s remaining:    0.0s
building tree 31 of 90
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   11.7s remaining:    0.0s
building tree 32 of 90
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   12.1s remaining:    0.0s
building tree 33 of 90
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   12.5s remaining:    0.0s
building tree 34 of 90
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   12.9s remaining:    0.0s
building tree 35 of 90
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   13.2s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   13.2s remaining:    0.0s
building tree 36 of 90
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   13.6s remaining:    0.0s
building tree 37 of 90
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   14.0s remaining:    0.0s
building tree 38 of 90
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   14.4s remaining:    0.0s
building tree 39 of 90
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   14.7s remaining:    0.0s
building tree 40 of 90
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   15.1s remaining:    0.0s
building tree 41 of 90
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   15.5s remaining:    0.0s
building tree 42 of 90
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   15.9s remaining:    0.0s
building tree 43 of 90
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   16.2s remaining:    0.0s
building tree 44 of 90
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   16.6s remaining:    0.0s
building tree 45 of 90
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:   17.0s remaining:    0.0s
building tree 46 of 90
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:   17.3s remaining:    0.0s
building tree 47 of 90
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:   17.7s remaining:    0.0s
building tree 48 of 90
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:   18.1s remaining:    0.0s
building tree 49 of 90
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:   18.5s remaining:    0.0s
building tree 50 of 90
building tree 51 of 90
building tree 52 of 90
building tree 53 of 90
building tree 54 of 90
building tree 55 of 90
building tree 56 of 90
building tree 57 of 90
building tree 58 of 90
building tree 59 of 90
building tree 60 of 90
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building tree 81 of 90
building tree 82 of 90
building tree 83 of 90
building tree 84 of 90
building tree 85 of 90
building tree 86 of 90
building tree 87 of 90
building tree 88 of 90
building tree 89 of 90
building tree 90 of 90
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:   34.3s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics
```

```
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:    5.4s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done   18 out of  18 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of  19 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of  20 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of  21 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of  22 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of  23 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of  24 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of  25 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of  26 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of  27 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of  28 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of  29 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of  30 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of  31 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of  32 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of  33 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of  34 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of  35 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of  36 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of  37 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of  38 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of  39 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of  40 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of  41 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of  42 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of  43 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of  44 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of  45 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of  46 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of  47 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of  48 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of  49 | elapsed:    6.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   90 out of  90 | elapsed:   11.0s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 90
[Parallel(n_jobs=1)]: Done    1 out of   1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 90
[Parallel(n_jobs=1)]: Done    2 out of   2 | elapsed:    0.9s remaining:    0.0s
building tree 3 of 90
[Parallel(n_jobs=1)]: Done    3 out of   3 | elapsed:    1.4s remaining:    0.0s
building tree 4 of 90
[Parallel(n_jobs=1)]: Done    4 out of   4 | elapsed:    1.8s remaining:    0.0s
building tree 5 of 90
[Parallel(n_jobs=1)]: Done    5 out of   5 | elapsed:    2.3s remaining:    0.0s
building tree 6 of 90
[Parallel(n_jobs=1)]: Done    6 out of   6 | elapsed:    2.8s remaining:    0.0s
building tree 7 of 90
[Parallel(n_jobs=1)]: Done    7 out of   7 | elapsed:    3.3s remaining:    0.0s
building tree 8 of 90
[Parallel(n_jobs=1)]: Done    8 out of   8 | elapsed:    3.8s remaining:    0.0s
building tree 9 of 90
[Parallel(n_jobs=1)]: Done    9 out of   9 | elapsed:    4.3s remaining:    0.0s
building tree 10 of 90
[Parallel(n_jobs=1)]: Done   10 out of  10 | elapsed:    4.8s remaining:    0.0s
building tree 11 of 90
[Parallel(n_jobs=1)]: Done   11 out of  11 | elapsed:    5.3s remaining:    0.0s
building tree 12 of 90
[Parallel(n_jobs=1)]: Done   12 out of  12 | elapsed:    5.8s remaining:    0.0s
building tree 13 of 90
[Parallel(n_jobs=1)]: Done   13 out of  13 | elapsed:    6.3s remaining:    0.0s
building tree 14 of 90
[Parallel(n_jobs=1)]: Done   14 out of  14 | elapsed:    6.7s remaining:    0.0s
building tree 15 of 90
[Parallel(n_jobs=1)]: Done   15 out of  15 | elapsed:    7.2s remaining:    0.0s
building tree 16 of 90
[Parallel(n_jobs=1)]: Done   16 out of  16 | elapsed:    7.7s remaining:    0.0s
building tree 17 of 90
[Parallel(n_jobs=1)]: Done   17 out of  17 | elapsed:    8.2s remaining:    0.0s
building tree 18 of 90
[Parallel(n_jobs=1)]: Done   18 out of  18 | elapsed:    8.7s remaining:    0.0s
building tree 19 of 90
[Parallel(n_jobs=1)]: Done   19 out of  19 | elapsed:    9.2s remaining:    0.0s
building tree 20 of 90
```

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building tree 20 of 90
[Parallel(n_jobs=1)]: Done  20 out of  20 | elapsed:    9.7s remaining:    0.0s
building tree 21 of 90
[Parallel(n_jobs=1)]: Done  21 out of  21 | elapsed:   10.2s remaining:    0.0s
building tree 22 of 90
[Parallel(n_jobs=1)]: Done  22 out of  22 | elapsed:   10.6s remaining:    0.0s
building tree 23 of 90
[Parallel(n_jobs=1)]: Done  23 out of  23 | elapsed:   11.2s remaining:    0.0s
building tree 24 of 90
[Parallel(n_jobs=1)]: Done  24 out of  24 | elapsed:   11.7s remaining:    0.0s
building tree 25 of 90
[Parallel(n_jobs=1)]: Done  25 out of  25 | elapsed:   12.2s remaining:    0.0s
building tree 26 of 90
[Parallel(n_jobs=1)]: Done  26 out of  26 | elapsed:   12.7s remaining:    0.0s
building tree 27 of 90
[Parallel(n_jobs=1)]: Done  27 out of  27 | elapsed:   13.2s remaining:    0.0s
building tree 28 of 90
[Parallel(n_jobs=1)]: Done  28 out of  28 | elapsed:   13.7s remaining:    0.0s
building tree 29 of 90
[Parallel(n_jobs=1)]: Done  29 out of  29 | elapsed:   14.2s remaining:    0.0s
building tree 30 of 90
[Parallel(n_jobs=1)]: Done  30 out of  30 | elapsed:   14.7s remaining:    0.0s
building tree 31 of 90
[Parallel(n_jobs=1)]: Done  31 out of  31 | elapsed:   15.3s remaining:    0.0s
building tree 32 of 90
[Parallel(n_jobs=1)]: Done  32 out of  32 | elapsed:   15.7s remaining:    0.0s
building tree 33 of 90
[Parallel(n_jobs=1)]: Done  33 out of  33 | elapsed:   16.2s remaining:    0.0s
building tree 34 of 90
[Parallel(n_jobs=1)]: Done  34 out of  34 | elapsed:   16.7s remaining:    0.0s
building tree 35 of 90
[Parallel(n_jobs=1)]: Done  35 out of  35 | elapsed:   17.2s remaining:    0.0s
building tree 36 of 90
[Parallel(n_jobs=1)]: Done  36 out of  36 | elapsed:   17.7s remaining:    0.0s
building tree 37 of 90
[Parallel(n_jobs=1)]: Done  37 out of  37 | elapsed:   18.2s remaining:    0.0s
building tree 38 of 90
[Parallel(n_jobs=1)]: Done  38 out of  38 | elapsed:   18.6s remaining:    0.0s
building tree 39 of 90
[Parallel(n_jobs=1)]: Done  39 out of  39 | elapsed:   19.1s remaining:    0.0s
building tree 40 of 90
[Parallel(n_jobs=1)]: Done  40 out of  40 | elapsed:   19.5s remaining:    0.0s
building tree 41 of 90
[Parallel(n_jobs=1)]: Done  41 out of  41 | elapsed:   20.0s remaining:    0.0s
building tree 42 of 90
[Parallel(n_jobs=1)]: Done  42 out of  42 | elapsed:   20.4s remaining:    0.0s
building tree 43 of 90
[Parallel(n_jobs=1)]: Done  43 out of  43 | elapsed:   20.9s remaining:    0.0s
building tree 44 of 90
[Parallel(n_jobs=1)]: Done  44 out of  44 | elapsed:   21.3s remaining:    0.0s
building tree 45 of 90
[Parallel(n_jobs=1)]: Done  45 out of  45 | elapsed:   21.8s remaining:    0.0s
building tree 46 of 90
[Parallel(n_jobs=1)]: Done  46 out of  46 | elapsed:   22.2s remaining:    0.0s
building tree 47 of 90
[Parallel(n_jobs=1)]: Done  47 out of  47 | elapsed:   22.7s remaining:    0.0s
building tree 48 of 90
[Parallel(n_jobs=1)]: Done  48 out of  48 | elapsed:   23.2s remaining:    0.0s
building tree 49 of 90
[Parallel(n_jobs=1)]: Done  49 out of  49 | elapsed:   23.7s remaining:    0.0s
building tree 50 of 90
building tree 51 of 90
building tree 52 of 90
building tree 53 of 90
building tree 54 of 90
building tree 55 of 90
building tree 56 of 90
building tree 57 of 90
building tree 58 of 90
building tree 59 of 90
building tree 60 of 90
building tree 61 of 90
building tree 62 of 90
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building tree 63 of 90
building tree 64 of 90
building tree 65 of 90
building tree 66 of 90
building tree 67 of 90
building tree 68 of 90
building tree 69 of 90
building tree 70 of 90
building tree 71 of 90
building tree 72 of 90
building tree 73 of 90
building tree 74 of 90
building tree 75 of 90
building tree 76 of 90
building tree 77 of 90
building tree 78 of 90
building tree 79 of 90
building tree 80 of 90
building tree 81 of 90
building tree 82 of 90
building tree 83 of 90
building tree 84 of 90
building tree 85 of 90
building tree 86 of 90
building tree 87 of 90
building tree 88 of 90
building tree 89 of 90
building tree 90 of 90
[Parallel(n_jobs=1)]: Done  90 out of  90 | elapsed:    44.8s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done   1 out of   1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   2 out of   2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   3 out of   3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   4 out of   4 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   5 out of   5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   6 out of   6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   7 out of   7 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   8 out of   8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   9 out of   9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  10 out of  10 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  11 out of  11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  12 out of  12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  13 out of  13 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  14 out of  14 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  15 out of  15 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  16 out of  16 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  17 out of  17 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  18 out of  18 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  19 out of  19 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  20 out of  20 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  21 out of  21 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  22 out of  22 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  23 out of  23 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  24 out of  24 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  25 out of  25 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  26 out of  26 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  27 out of  27 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  28 out of  28 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  29 out of  29 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  30 out of  30 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  31 out of  31 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  32 out of  32 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  33 out of  33 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  34 out of  34 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  35 out of  35 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  36 out of  36 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  37 out of  37 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  38 out of  38 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  39 out of  39 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  40 out of  40 | elapsed:    2.7s remaining:    0.0s
```

[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed: 2.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed: 2.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed: 2.8s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed: 2.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed: 2.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed: 3.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed: 3.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed: 3.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed: 3.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed: 3.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed: 6.0s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done   1 out of   1 | elapsed: 0.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   2 out of   2 | elapsed: 0.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   3 out of   3 | elapsed: 0.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   4 out of   4 | elapsed: 0.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   5 out of   5 | elapsed: 0.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   6 out of   6 | elapsed: 0.8s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   7 out of   7 | elapsed: 0.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   8 out of   8 | elapsed: 1.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   9 out of   9 | elapsed: 1.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed: 1.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed: 1.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed: 1.6s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed: 1.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed: 1.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed: 2.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed: 2.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed: 2.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed: 2.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed: 2.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed: 2.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed: 2.8s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed: 2.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed: 3.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed: 3.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed: 3.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed: 3.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed: 3.6s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed: 3.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed: 3.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed: 4.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed: 4.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed: 4.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed: 4.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed: 4.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed: 4.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed: 4.8s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed: 4.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed: 5.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed: 5.2s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed: 5.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed: 5.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed: 5.6s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed: 5.7s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed: 5.9s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed: 6.0s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed: 6.1s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed: 6.3s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed: 6.4s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed: 6.5s remaining: 0.0s
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed: 12.0s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 90
[Parallel(n_jobs=1)]: Done   1 out of   1 | elapsed: 0.5s remaining: 0.0s
building tree 2 of 90
[Parallel(n_jobs=1)]: Done   2 out of   2 | elapsed: 0.9s remaining: 0.0s
building tree 3 of 90
[Parallel(n_jobs=1)]: Done   3 out of   3 | elapsed: 1.4s remaining: 0.0s
building tree 4 of 90
[Parallel(n_jobs=1)]: Done   4 out of   4 | elapsed: 1.8s remaining: 0.0s

```
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.8s remaining:    0.0s
building tree 5 of 90
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    2.3s remaining:    0.0s
building tree 6 of 90
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.7s remaining:    0.0s
building tree 7 of 90
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    3.1s remaining:    0.0s
building tree 8 of 90
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.6s remaining:    0.0s
building tree 9 of 90
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    4.0s remaining:    0.0s
building tree 10 of 90
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    4.4s remaining:    0.0s
building tree 11 of 90
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.9s remaining:    0.0s
building tree 12 of 90
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    5.3s remaining:    0.0s
building tree 13 of 90
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.7s remaining:    0.0s
building tree 14 of 90
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    6.1s remaining:    0.0s
building tree 15 of 90
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    6.6s remaining:    0.0s
building tree 16 of 90
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    7.0s remaining:    0.0s
building tree 17 of 90
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    7.4s remaining:    0.0s
building tree 18 of 90
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.9s remaining:    0.0s
building tree 19 of 90
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    8.3s remaining:    0.0s
building tree 20 of 90
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    8.8s remaining:    0.0s
building tree 21 of 90
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    9.2s remaining:    0.0s
building tree 22 of 90
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    9.7s remaining:    0.0s
building tree 23 of 90
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:   10.1s remaining:    0.0s
building tree 24 of 90
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:   10.5s remaining:    0.0s
building tree 25 of 90
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:   11.0s remaining:    0.0s
building tree 26 of 90
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   11.5s remaining:    0.0s
building tree 27 of 90
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   11.9s remaining:    0.0s
building tree 28 of 90
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   12.3s remaining:    0.0s
building tree 29 of 90
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   12.8s remaining:    0.0s
building tree 30 of 90
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:   13.3s remaining:    0.0s
building tree 31 of 90
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   13.7s remaining:    0.0s
building tree 32 of 90
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   14.2s remaining:    0.0s
building tree 33 of 90
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   14.7s remaining:    0.0s
building tree 34 of 90
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   15.1s remaining:    0.0s
building tree 35 of 90
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   15.6s remaining:    0.0s
building tree 36 of 90
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   16.0s remaining:    0.0s
building tree 37 of 90
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   16.4s remaining:    0.0s
building tree 38 of 90
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   16.9s remaining:    0.0s
building tree 39 of 90
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   17.3s remaining:    0.0s
building tree 40 of 90
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   17.8s remaining:    0.0s
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[Parallel(n_jobs=1)]: Done   40 out of   90 | elapsed:   17.8s remaining:    0.0s
building tree 41 of 90
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   18.2s remaining:    0.0s
building tree 42 of 90
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   18.7s remaining:    0.0s
building tree 43 of 90
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   19.1s remaining:    0.0s
building tree 44 of 90
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   19.5s remaining:    0.0s
building tree 45 of 90
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:   20.0s remaining:    0.0s
building tree 46 of 90
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:   20.4s remaining:    0.0s
building tree 47 of 90
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:   20.9s remaining:    0.0s
building tree 48 of 90
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:   21.3s remaining:    0.0s
building tree 49 of 90
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:   21.8s remaining:    0.0s
building tree 50 of 90
building tree 51 of 90
building tree 52 of 90
building tree 53 of 90
building tree 54 of 90
building tree 55 of 90
building tree 56 of 90
building tree 57 of 90
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building tree 82 of 90
building tree 83 of 90
building tree 84 of 90
building tree 85 of 90
building tree 86 of 90
building tree 87 of 90
building tree 88 of 90
building tree 89 of 90
building tree 90 of 90
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:   39.8s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:    6.0s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.6s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    5.05 remaining:    0.05
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    6.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    6.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    6.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   90 out of   90 | elapsed:   11.7s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 100
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 100
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.9s remaining:    0.0s
building tree 3 of 100
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.3s remaining:    0.0s
building tree 4 of 100
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.7s remaining:    0.0s
building tree 5 of 100
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    2.2s remaining:    0.0s
building tree 6 of 100
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.6s remaining:    0.0s
building tree 7 of 100
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    3.1s remaining:    0.0s
building tree 8 of 100
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.5s remaining:    0.0s
building tree 9 of 100
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.9s remaining:    0.0s
building tree 10 of 100
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    4.3s remaining:    0.0s
building tree 11 of 100
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.8s remaining:    0.0s
building tree 12 of 100
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    5.2s remaining:    0.0s
building tree 13 of 100
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.7s remaining:    0.0s
building tree 14 of 100
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    6.1s remaining:    0.0s
building tree 15 of 100
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    6.6s remaining:    0.0s
building tree 16 of 100
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    7.0s remaining:    0.0s
building tree 17 of 100
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    7.5s remaining:    0.0s
building tree 18 of 100
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.9s remaining:    0.0s
building tree 19 of 100
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    8.4s remaining:    0.0s
building tree 20 of 100
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    8.8s remaining:    0.0s
building tree 21 of 100
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    9.2s remaining:    0.0s
building tree 22 of 100
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    9.7s remaining:    0.0s
building tree 23 of 100
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:   10.2s remaining:    0.0s
building tree 24 of 100
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:   10.6s remaining:    0.0s
building tree 25 of 100
```

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building tree 25 of 100
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    11.0s remaining:    0.0s
building tree 26 of 100
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    11.4s remaining:    0.0s
building tree 27 of 100
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    11.9s remaining:    0.0s
building tree 28 of 100
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    12.3s remaining:    0.0s
building tree 29 of 100
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    12.8s remaining:    0.0s
building tree 30 of 100
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    13.2s remaining:    0.0s
building tree 31 of 100
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    13.6s remaining:    0.0s
building tree 32 of 100
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    14.1s remaining:    0.0s
building tree 33 of 100
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    14.6s remaining:    0.0s
building tree 34 of 100
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    15.0s remaining:    0.0s
building tree 35 of 100
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    15.4s remaining:    0.0s
building tree 36 of 100
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    15.9s remaining:    0.0s
building tree 37 of 100
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    16.3s remaining:    0.0s
building tree 38 of 100
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    16.7s remaining:    0.0s
building tree 39 of 100
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    17.2s remaining:    0.0s
building tree 40 of 100
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    17.6s remaining:    0.0s
building tree 41 of 100
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    18.0s remaining:    0.0s
building tree 42 of 100
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    18.5s remaining:    0.0s
building tree 43 of 100
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    18.9s remaining:    0.0s
building tree 44 of 100
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    19.3s remaining:    0.0s
building tree 45 of 100
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    19.7s remaining:    0.0s
building tree 46 of 100
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    20.2s remaining:    0.0s
building tree 47 of 100
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    20.6s remaining:    0.0s
building tree 48 of 100
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    21.1s remaining:    0.0s
building tree 49 of 100
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    21.5s remaining:    0.0s
building tree 50 of 100
building tree 51 of 100
building tree 52 of 100
building tree 53 of 100
building tree 54 of 100
building tree 55 of 100
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building tree 59 of 100
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building tree 66 of 100
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building tree 70 of 100
building tree 71 of 100
building tree 72 of 100
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building tree 72 of 100
building tree 73 of 100
building tree 74 of 100
building tree 75 of 100
building tree 76 of 100
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building tree 92 of 100
building tree 93 of 100
building tree 94 of 100
building tree 95 of 100
building tree 96 of 100
building tree 97 of 100
building tree 98 of 100
building tree 99 of 100
building tree 100 of 100
[Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed:    43.8s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.7s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:    6.7s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    6.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    6.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    6.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    6.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:   13.0s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 100
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 100
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.8s remaining:    0.0s
building tree 3 of 100
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.3s remaining:    0.0s
building tree 4 of 100
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.7s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.7s remaining:    0.0s
building tree 5 of 100
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    2.1s remaining:    0.0s
building tree 6 of 100
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.6s remaining:    0.0s
building tree 7 of 100
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    3.0s remaining:    0.0s
building tree 8 of 100
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.4s remaining:    0.0s
building tree 9 of 100
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.9s remaining:    0.0s
building tree 10 of 100
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    4.3s remaining:    0.0s
building tree 11 of 100
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.7s remaining:    0.0s
building tree 12 of 100
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    5.1s remaining:    0.0s
building tree 13 of 100
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.5s remaining:    0.0s
building tree 14 of 100
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    5.9s remaining:    0.0s
building tree 15 of 100
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    6.3s remaining:    0.0s
building tree 16 of 100
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.7s remaining:    0.0s
building tree 17 of 100
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    7.0s remaining:    0.0s
building tree 18 of 100
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.4s remaining:    0.0s
building tree 19 of 100
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    7.8s remaining:    0.0s
building tree 20 of 100
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    8.2s remaining:    0.0s
building tree 21 of 100
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    8.6s remaining:    0.0s
building tree 22 of 100
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    9.0s remaining:    0.0s
building tree 23 of 100
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    9.4s remaining:    0.0s
building tree 24 of 100
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    9.7s remaining:    0.0s
building tree 25 of 100
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:   10.1s remaining:    0.0s
building tree 26 of 100
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   10.5s remaining:    0.0s
building tree 27 of 100
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   10.9s remaining:    0.0s
building tree 28 of 100
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   11.3s remaining:    0.0s
building tree 29 of 100
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   11.6s remaining:    0.0s
building tree 30 of 100
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:   12.0s remaining:    0.0s
building tree 31 of 100
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   12.4s remaining:    0.0s
building tree 32 of 100
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   12.8s remaining:    0.0s
building tree 33 of 100
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   13.2s remaining:    0.0s
building tree 34 of 100
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   13.5s remaining:    0.0s
building tree 35 of 100
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   13.9s remaining:    0.0s
building tree 36 of 100
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   14.3s remaining:    0.0s
building tree 37 of 100
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   14.7s remaining:    0.0s
building tree 38 of 100
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   15.1s remaining:    0.0s
building tree 39 of 100
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   15.5s remaining:    0.0s
building tree 40 of 100
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   15.9s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   15.9s remaining:    0.0s
building tree 41 of 100
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   16.3s remaining:    0.0s
building tree 42 of 100
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   16.6s remaining:    0.0s
building tree 43 of 100
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   17.0s remaining:    0.0s
building tree 44 of 100
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   17.4s remaining:    0.0s
building tree 45 of 100
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:   17.8s remaining:    0.0s
building tree 46 of 100
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:   18.1s remaining:    0.0s
building tree 47 of 100
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:   18.5s remaining:    0.0s
building tree 48 of 100
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:   18.9s remaining:    0.0s
building tree 49 of 100
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:   19.3s remaining:    0.0s
building tree 50 of 100
building tree 51 of 100
building tree 52 of 100
building tree 53 of 100
building tree 54 of 100
building tree 55 of 100
building tree 56 of 100
building tree 57 of 100
building tree 58 of 100
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building tree 92 of 100
building tree 93 of 100
building tree 94 of 100
building tree 95 of 100
building tree 96 of 100
building tree 97 of 100
building tree 98 of 100
building tree 99 of 100
building tree 100 of 100
[Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed:   39.1s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics
```

```
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:    6.2s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:   12.0s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 100
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 100
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.8s remaining:    0.0s
building tree 3 of 100
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.2s remaining:    0.0s
building tree 4 of 100
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.5s remaining:    0.0s
building tree 5 of 100
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    2.0s remaining:    0.0s
building tree 6 of 100
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.3s remaining:    0.0s
building tree 7 of 100
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    2.7s remaining:    0.0s
building tree 8 of 100
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.1s remaining:    0.0s
building tree 9 of 100
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.5s remaining:    0.0s
building tree 10 of 100
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    3.9s remaining:    0.0s
building tree 11 of 100
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.3s remaining:    0.0s
building tree 12 of 100
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    4.7s remaining:    0.0s
building tree 13 of 100
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.1s remaining:    0.0s
building tree 14 of 100
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    5.5s remaining:    0.0s
building tree 15 of 100
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    5.8s remaining:    0.0s
building tree 16 of 100
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.2s remaining:    0.0s
building tree 17 of 100
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    6.6s remaining:    0.0s
building tree 18 of 100
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.0s remaining:    0.0s
building tree 19 of 100
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    7.4s remaining:    0.0s
building tree 20 of 100
```

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building tree 20 of 100
[Parallel(n_jobs=1)]: Done  20 out of  20 | elapsed:    7.7s remaining:    0.0s
building tree 21 of 100
[Parallel(n_jobs=1)]: Done  21 out of  21 | elapsed:    8.1s remaining:    0.0s
building tree 22 of 100
[Parallel(n_jobs=1)]: Done  22 out of  22 | elapsed:    8.5s remaining:    0.0s
building tree 23 of 100
[Parallel(n_jobs=1)]: Done  23 out of  23 | elapsed:    8.9s remaining:    0.0s
building tree 24 of 100
[Parallel(n_jobs=1)]: Done  24 out of  24 | elapsed:    9.3s remaining:    0.0s
building tree 25 of 100
[Parallel(n_jobs=1)]: Done  25 out of  25 | elapsed:    9.7s remaining:    0.0s
building tree 26 of 100
[Parallel(n_jobs=1)]: Done  26 out of  26 | elapsed:   10.1s remaining:    0.0s
building tree 27 of 100
[Parallel(n_jobs=1)]: Done  27 out of  27 | elapsed:   10.5s remaining:    0.0s
building tree 28 of 100
[Parallel(n_jobs=1)]: Done  28 out of  28 | elapsed:   10.9s remaining:    0.0s
building tree 29 of 100
[Parallel(n_jobs=1)]: Done  29 out of  29 | elapsed:   11.3s remaining:    0.0s
building tree 30 of 100
[Parallel(n_jobs=1)]: Done  30 out of  30 | elapsed:   11.7s remaining:    0.0s
building tree 31 of 100
[Parallel(n_jobs=1)]: Done  31 out of  31 | elapsed:   12.1s remaining:    0.0s
building tree 32 of 100
[Parallel(n_jobs=1)]: Done  32 out of  32 | elapsed:   12.4s remaining:    0.0s
building tree 33 of 100
[Parallel(n_jobs=1)]: Done  33 out of  33 | elapsed:   12.8s remaining:    0.0s
building tree 34 of 100
[Parallel(n_jobs=1)]: Done  34 out of  34 | elapsed:   13.2s remaining:    0.0s
building tree 35 of 100
[Parallel(n_jobs=1)]: Done  35 out of  35 | elapsed:   13.6s remaining:    0.0s
building tree 36 of 100
[Parallel(n_jobs=1)]: Done  36 out of  36 | elapsed:   14.0s remaining:    0.0s
building tree 37 of 100
[Parallel(n_jobs=1)]: Done  37 out of  37 | elapsed:   14.4s remaining:    0.0s
building tree 38 of 100
[Parallel(n_jobs=1)]: Done  38 out of  38 | elapsed:   14.8s remaining:    0.0s
building tree 39 of 100
[Parallel(n_jobs=1)]: Done  39 out of  39 | elapsed:   15.2s remaining:    0.0s
building tree 40 of 100
[Parallel(n_jobs=1)]: Done  40 out of  40 | elapsed:   15.6s remaining:    0.0s
building tree 41 of 100
[Parallel(n_jobs=1)]: Done  41 out of  41 | elapsed:   16.0s remaining:    0.0s
building tree 42 of 100
[Parallel(n_jobs=1)]: Done  42 out of  42 | elapsed:   16.4s remaining:    0.0s
building tree 43 of 100
[Parallel(n_jobs=1)]: Done  43 out of  43 | elapsed:   16.7s remaining:    0.0s
building tree 44 of 100
[Parallel(n_jobs=1)]: Done  44 out of  44 | elapsed:   17.1s remaining:    0.0s
building tree 45 of 100
[Parallel(n_jobs=1)]: Done  45 out of  45 | elapsed:   17.5s remaining:    0.0s
building tree 46 of 100
[Parallel(n_jobs=1)]: Done  46 out of  46 | elapsed:   17.9s remaining:    0.0s
building tree 47 of 100
[Parallel(n_jobs=1)]: Done  47 out of  47 | elapsed:   18.3s remaining:    0.0s
building tree 48 of 100
[Parallel(n_jobs=1)]: Done  48 out of  48 | elapsed:   18.7s remaining:    0.0s
building tree 49 of 100
[Parallel(n_jobs=1)]: Done  49 out of  49 | elapsed:   19.1s remaining:    0.0s
building tree 50 of 100
building tree 51 of 100
building tree 52 of 100
building tree 53 of 100
building tree 54 of 100
building tree 55 of 100
building tree 56 of 100
building tree 57 of 100
building tree 58 of 100
building tree 59 of 100
building tree 60 of 100
building tree 61 of 100
building tree 62 of 100
```

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building tree 62 of 100
building tree 63 of 100
building tree 64 of 100
building tree 65 of 100
building tree 66 of 100
building tree 67 of 100
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building tree 69 of 100
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building tree 92 of 100
building tree 93 of 100
building tree 94 of 100
building tree 95 of 100
building tree 96 of 100
building tree 97 of 100
building tree 98 of 100
building tree 99 of 100
building tree 100 of 100
[Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed:    38.7s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.8s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  100 out of  100 | elapsed:    6.1s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.9s remaining:    0.0s
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[Parallel(n_jobs=1)]: Done    49 out of    49 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed:   11.9s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 110
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 110
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.7s remaining:    0.0s
building tree 3 of 110
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.1s remaining:    0.0s
building tree 4 of 110
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.5s remaining:    0.0s
building tree 5 of 110
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    1.9s remaining:    0.0s
building tree 6 of 110
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.3s remaining:    0.0s
building tree 7 of 110
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    2.7s remaining:    0.0s
building tree 8 of 110
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.0s remaining:    0.0s
building tree 9 of 110
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.4s remaining:    0.0s
building tree 10 of 110
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    3.8s remaining:    0.0s
building tree 11 of 110
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.2s remaining:    0.0s
building tree 12 of 110
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    4.6s remaining:    0.0s
building tree 13 of 110
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.0s remaining:    0.0s
building tree 14 of 110
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    5.4s remaining:    0.0s
building tree 15 of 110
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    5.8s remaining:    0.0s
building tree 16 of 110
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.1s remaining:    0.0s
building tree 17 of 110
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    6.5s remaining:    0.0s
building tree 18 of 110
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    6.9s remaining:    0.0s
building tree 19 of 110
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    7.3s remaining:    0.0s
building tree 20 of 110
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    7.6s remaining:    0.0s
building tree 21 of 110
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    8.0s remaining:    0.0s
building tree 22 of 110
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    8.4s remaining:    0.0s
building tree 23 of 110
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    8.8s remaining:    0.0s
building tree 24 of 110
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    9.2s remaining:    0.0s
building tree 25 of 110
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    9.6s remaining:    0.0s
building tree 26 of 110
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   10.0s remaining:    0.0s
building tree 27 of 110
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   10.3s remaining:    0.0s
building tree 28 of 110
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   10.7s remaining:    0.0s
building tree 29 of 110
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   11.1s remaining:    0.0s
building tree 30 of 110
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapBsed:   11.5s remaining:    0.0s
building tree 31 of 110
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   11.9s remaining:    0.0s
building tree 32 of 110
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   12.3s remaining:    0.0s
building tree 33 of 110
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   12.6s remaining:    0.0s
building tree 34 of 110
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   13.0s remaining:    0.0s
building tree 35 of 110
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   13.4s remaining:    0.0s
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[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   13.4s remaining:    0.0s
building tree 36 of 110
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   13.8s remaining:    0.0s
building tree 37 of 110
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   14.1s remaining:    0.0s
building tree 38 of 110
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   14.5s remaining:    0.0s
building tree 39 of 110
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   14.9s remaining:    0.0s
building tree 40 of 110
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   15.3s remaining:    0.0s
building tree 41 of 110
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   15.7s remaining:    0.0s
building tree 42 of 110
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   16.1s remaining:    0.0s
building tree 43 of 110
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   16.4s remaining:    0.0s
building tree 44 of 110
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   16.8s remaining:    0.0s
building tree 45 of 110
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:   17.2s remaining:    0.0s
building tree 46 of 110
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:   17.6s remaining:    0.0s
building tree 47 of 110
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:   18.0s remaining:    0.0s
building tree 48 of 110
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:   18.4s remaining:    0.0s
building tree 49 of 110
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:   18.8s remaining:    0.0s
building tree 50 of 110
building tree 51 of 110
building tree 52 of 110
building tree 53 of 110
building tree 54 of 110
building tree 55 of 110
building tree 56 of 110
building tree 57 of 110
building tree 58 of 110
building tree 59 of 110
building tree 60 of 110
building tree 61 of 110
building tree 62 of 110
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building tree 64 of 110
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building tree 70 of 110
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building tree 78 of 110
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building tree 80 of 110
building tree 81 of 110
building tree 82 of 110
building tree 83 of 110
building tree 84 of 110
building tree 85 of 110
building tree 86 of 110
building tree 87 of 110
building tree 88 of 110
building tree 89 of 110
building tree 90 of 110
building tree 91 of 110
building tree 92 of 110
building tree 93 of 110
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building tree 93 of 110
building tree 94 of 110
building tree 95 of 110
building tree 96 of 110
building tree 97 of 110
building tree 98 of 110
building tree 99 of 110
building tree 100 of 110
building tree 101 of 110
building tree 102 of 110
building tree 103 of 110
building tree 104 of 110
building tree 105 of 110
building tree 106 of 110
building tree 107 of 110
building tree 108 of 110
building tree 109 of 110
building tree 110 of 110
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:   43.0s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  110 out of  110 | elapsed:    7.5s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
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using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    6.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    6.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    6.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    6.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  110 out of  110 | elapsed:   14.5s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 110
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 110
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.9s remaining:    0.0s
building tree 3 of 110
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.3s remaining:    0.0s
building tree 4 of 110
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.7s remaining:    0.0s
building tree 5 of 110
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    2.2s remaining:    0.0s
building tree 6 of 110
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.6s remaining:    0.0s
building tree 7 of 110
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    3.0s remaining:    0.0s
building tree 8 of 110
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.5s remaining:    0.0s
building tree 9 of 110
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.9s remaining:    0.0s
building tree 10 of 110
```

```
building tree 10 of 110
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    4.4s remaining:    0.0s
building tree 11 of 110
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.8s remaining:    0.0s
building tree 12 of 110
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    5.2s remaining:    0.0s
building tree 13 of 110
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.6s remaining:    0.0s
building tree 14 of 110
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    6.1s remaining:    0.0s
building tree 15 of 110
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    6.5s remaining:    0.0s
building tree 16 of 110
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.9s remaining:    0.0s
building tree 17 of 110
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    7.4s remaining:    0.0s
building tree 18 of 110
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.8s remaining:    0.0s
building tree 19 of 110
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    8.2s remaining:    0.0s
building tree 20 of 110
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    8.7s remaining:    0.0s
building tree 21 of 110
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    9.1s remaining:    0.0s
building tree 22 of 110
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    9.5s remaining:    0.0s
building tree 23 of 110
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:   10.0s remaining:    0.0s
building tree 24 of 110
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:   10.4s remaining:    0.0s
building tree 25 of 110
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:   10.8s remaining:    0.0s
building tree 26 of 110
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   11.3s remaining:    0.0s
building tree 27 of 110
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   11.7s remaining:    0.0s
building tree 28 of 110
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   12.1s remaining:    0.0s
building tree 29 of 110
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   12.6s remaining:    0.0s
building tree 30 of 110
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:   13.0s remaining:    0.0s
building tree 31 of 110
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   13.4s remaining:    0.0s
building tree 32 of 110
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   13.9s remaining:    0.0s
building tree 33 of 110
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   14.3s remaining:    0.0s
building tree 34 of 110
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   14.7s remaining:    0.0s
building tree 35 of 110
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   15.2s remaining:    0.0s
building tree 36 of 110
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   15.6s remaining:    0.0s
building tree 37 of 110
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   16.0s remaining:    0.0s
building tree 38 of 110
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   16.5s remaining:    0.0s
building tree 39 of 110
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   16.9s remaining:    0.0s
building tree 40 of 110
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   17.3s remaining:    0.0s
building tree 41 of 110
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   17.7s remaining:    0.0s
building tree 42 of 110
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   18.2s remaining:    0.0s
building tree 43 of 110
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   18.6s remaining:    0.0s
building tree 44 of 110
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   19.0s remaining:    0.0s
building tree 45 of 110
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:   19.4s remaining:    0.0s
building tree 46 of 110
```

```
building tree 46 of 110
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    19.9s remaining:     0.0s
building tree 47 of 110
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    20.3s remaining:     0.0s
building tree 48 of 110
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    20.7s remaining:     0.0s
building tree 49 of 110
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    21.1s remaining:     0.0s
building tree 50 of 110
building tree 51 of 110
building tree 52 of 110
building tree 53 of 110
building tree 54 of 110
building tree 55 of 110
building tree 56 of 110
building tree 57 of 110
building tree 58 of 110
building tree 59 of 110
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building tree 100 of 110
building tree 101 of 110
building tree 102 of 110
building tree 103 of 110
building tree 104 of 110
building tree 105 of 110
building tree 106 of 110
building tree 107 of 110
building tree 108 of 110
building tree 109 of 110
building tree 110 of 110
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:    47.6s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
```

```
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  110 out of  110 | elapsed:    7.4s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.5s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    6.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    6.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    6.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    6.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    6.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  110 out of  110 | elapsed:   14.7s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 110
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
building tree 2 of 110
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.9s remaining:    0.0s
building tree 3 of 110
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.3s remaining:    0.0s
building tree 4 of 110
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.7s remaining:    0.0s
building tree 5 of 110
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    2.2s remaining:    0.0s
building tree 6 of 110
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.6s remaining:    0.0s
building tree 7 of 110
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    3.0s remaining:    0.0s
building tree 8 of 110
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.4s remaining:    0.0s
building tree 9 of 110
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.9s remaining:    0.0s
building tree 10 of 110
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    4.3s remaining:    0.0s
building tree 11 of 110
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.7s remaining:    0.0s
building tree 12 of 110
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    5.2s remaining:    0.0s
building tree 13 of 110
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.6s remaining:    0.0s
building tree 14 of 110
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    6.1s remaining:    0.0s
building tree 15 of 110
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    6.5s remaining:    0.0s
building tree 16 of 110
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.9s remaining:    0.0s
building tree 17 of 110
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    7.4s remaining:    0.0s
building tree 18 of 110
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    7.8s remaining:    0.0s
building tree 19 of 110
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    8.3s remaining:    0.0s
building tree 20 of 110
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    8.7s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    8.7s remaining:    0.0s
building tree 21 of 110
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    9.2s remaining:    0.0s
building tree 22 of 110
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    9.6s remaining:    0.0s
building tree 23 of 110
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:   10.0s remaining:    0.0s
building tree 24 of 110
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:   10.5s remaining:    0.0s
building tree 25 of 110
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:   10.9s remaining:    0.0s
building tree 26 of 110
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   11.4s remaining:    0.0s
building tree 27 of 110
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   11.8s remaining:    0.0s
building tree 28 of 110
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   12.2s remaining:    0.0s
building tree 29 of 110
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   12.7s remaining:    0.0s
building tree 30 of 110
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:   13.1s remaining:    0.0s
building tree 31 of 110
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   13.6s remaining:    0.0s
building tree 32 of 110
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   14.0s remaining:    0.0s
building tree 33 of 110
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   14.4s remaining:    0.0s
building tree 34 of 110
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   14.9s remaining:    0.0s
building tree 35 of 110
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   15.3s remaining:    0.0s
building tree 36 of 110
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   15.7s remaining:    0.0s
building tree 37 of 110
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   16.2s remaining:    0.0s
building tree 38 of 110
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   16.6s remaining:    0.0s
building tree 39 of 110
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   17.0s remaining:    0.0s
building tree 40 of 110
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   17.5s remaining:    0.0s
building tree 41 of 110
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   17.9s remaining:    0.0s
building tree 42 of 110
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   18.3s remaining:    0.0s
building tree 43 of 110
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   18.8s remaining:    0.0s
building tree 44 of 110
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   19.2s remaining:    0.0s
building tree 45 of 110
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:   19.6s remaining:    0.0s
building tree 46 of 110
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:   20.1s remaining:    0.0s
building tree 47 of 110
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:   20.5s remaining:    0.0s
building tree 48 of 110
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:   20.9s remaining:    0.0s
building tree 49 of 110
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:   21.4s remaining:    0.0s
building tree 50 of 110
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building tree 105 of 110
building tree 106 of 110
building tree 107 of 110
building tree 108 of 110
building tree 109 of 110
building tree 110 of 110
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:    48.0s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.4s remaining:    0.0s
```

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[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:    7.5s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    1.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    5.2s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done    40 out of   40 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    41 out of   41 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    42 out of   42 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    43 out of   43 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    44 out of   44 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    45 out of   45 | elapsed:    5.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    46 out of   46 | elapsed:    6.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    47 out of   47 | elapsed:    6.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    48 out of   48 | elapsed:    6.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    49 out of   49 | elapsed:    6.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   110 out of  110 | elapsed:   14.6s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 110
[Parallel(n_jobs=1)]: Done     1 out of    1 | elapsed:    0.7s remaining:    0.0s
building tree 2 of 110
[Parallel(n_jobs=1)]: Done     2 out of    2 | elapsed:    1.5s remaining:    0.0s
building tree 3 of 110
[Parallel(n_jobs=1)]: Done     3 out of    3 | elapsed:    2.2s remaining:    0.0s
building tree 4 of 110
[Parallel(n_jobs=1)]: Done     4 out of    4 | elapsed:    2.9s remaining:    0.0s
building tree 5 of 110
[Parallel(n_jobs=1)]: Done     5 out of    5 | elapsed:    3.6s remaining:    0.0s
building tree 6 of 110
[Parallel(n_jobs=1)]: Done     6 out of    6 | elapsed:    4.4s remaining:    0.0s
building tree 7 of 110
[Parallel(n_jobs=1)]: Done     7 out of    7 | elapsed:    5.2s remaining:    0.0s
building tree 8 of 110
[Parallel(n_jobs=1)]: Done     8 out of    8 | elapsed:    6.0s remaining:    0.0s
building tree 9 of 110
[Parallel(n_jobs=1)]: Done     9 out of    9 | elapsed:    6.7s remaining:    0.0s
building tree 10 of 110
[Parallel(n_jobs=1)]: Done    10 out of   10 | elapsed:    7.5s remaining:    0.0s
building tree 11 of 110
[Parallel(n_jobs=1)]: Done    11 out of   11 | elapsed:    8.3s remaining:    0.0s
building tree 12 of 110
[Parallel(n_jobs=1)]: Done    12 out of   12 | elapsed:    9.0s remaining:    0.0s
building tree 13 of 110
[Parallel(n_jobs=1)]: Done    13 out of   13 | elapsed:    9.8s remaining:    0.0s
building tree 14 of 110
[Parallel(n_jobs=1)]: Done    14 out of   14 | elapsed:   10.6s remaining:    0.0s
building tree 15 of 110
[Parallel(n_jobs=1)]: Done    15 out of   15 | elapsed:   11.3s remaining:    0.0s
building tree 16 of 110
[Parallel(n_jobs=1)]: Done    16 out of   16 | elapsed:   12.1s remaining:    0.0s
building tree 17 of 110
[Parallel(n_jobs=1)]: Done    17 out of   17 | elapsed:   12.8s remaining:    0.0s
building tree 18 of 110
[Parallel(n_jobs=1)]: Done    18 out of   18 | elapsed:   13.6s remaining:    0.0s
building tree 19 of 110
[Parallel(n_jobs=1)]: Done    19 out of   19 | elapsed:   14.4s remaining:    0.0s
building tree 20 of 110
[Parallel(n_jobs=1)]: Done    20 out of   20 | elapsed:   15.1s remaining:    0.0s
building tree 21 of 110
[Parallel(n_jobs=1)]: Done    21 out of   21 | elapsed:   15.9s remaining:    0.0s
building tree 22 of 110
[Parallel(n_jobs=1)]: Done    22 out of   22 | elapsed:   16.6s remaining:    0.0s
building tree 23 of 110
[Parallel(n_jobs=1)]: Done    23 out of   23 | elapsed:   17.4s remaining:    0.0s
building tree 24 of 110
[Parallel(n_jobs=1)]: Done    24 out of   24 | elapsed:   18.1s remaining:    0.0s
building tree 25 of 110
[Parallel(n_jobs=1)]: Done    25 out of   25 | elapsed:   18.9s remaining:    0.0s
building tree 26 of 110
[Parallel(n_jobs=1)]: Done    26 out of   26 | elapsed:   19.6s remaining:    0.0s
building tree 27 of 110
[Parallel(n_jobs=1)]: Done    27 out of   27 | elapsed:   20.3s remaining:    0.0s
building tree 28 of 110
[Parallel(n_jobs=1)]: Done    28 out of   28 | elapsed:   21.1s remaining:    0.0s
building tree 29 of 110
[Parallel(n_jobs=1)]: Done    29 out of   29 | elapsed:   21.7s remaining:    0.0s
building tree 30 of 110
[Parallel(n_jobs=1)]: Done    30 out of   30 | elapsed:   22.4s remaining:    0.0s
building tree 31 of 110
```

[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed: 23.0s remaining: 0.0s
building tree 32 of 110
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed: 23.7s remaining: 0.0s
building tree 33 of 110
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed: 24.3s remaining: 0.0s
building tree 34 of 110
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed: 24.9s remaining: 0.0s
building tree 35 of 110
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed: 25.6s remaining: 0.0s
building tree 36 of 110
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed: 26.2s remaining: 0.0s
building tree 37 of 110
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed: 26.9s remaining: 0.0s
building tree 38 of 110
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed: 27.5s remaining: 0.0s
building tree 39 of 110
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed: 28.2s remaining: 0.0s
building tree 40 of 110
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed: 28.8s remaining: 0.0s
building tree 41 of 110
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed: 29.5s remaining: 0.0s
building tree 42 of 110
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed: 30.1s remaining: 0.0s
building tree 43 of 110
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed: 30.8s remaining: 0.0s
building tree 44 of 110
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed: 31.4s remaining: 0.0s
building tree 45 of 110
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed: 32.0s remaining: 0.0s
building tree 46 of 110
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed: 32.7s remaining: 0.0s
building tree 47 of 110
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed: 33.4s remaining: 0.0s
building tree 48 of 110
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed: 34.0s remaining: 0.0s
building tree 49 of 110
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed: 34.7s remaining: 0.0s
building tree 50 of 110
building tree 51 of 110
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building tree 85 of 110
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building tree 109 of 110
building tree 110 of 110
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:  1.2min finished
```

Out[36]:

```
RandomizedSearchCV(cv=3, error_score=nan,
                   estimator=RandomForestClassifier(bootstrap=True,
                                                    ccp_alpha=0.0,
                                                    class_weight='balanced',
                                                    criterion='gini',
                                                    max_depth=None,
                                                    max_features='auto',
                                                    max_leaf_nodes=None,
                                                    max_samples=None,
                                                    min_impurity_decrease=0.0,
                                                    min_impurity_split=None,
                                                    min_samples_leaf=1,
                                                    min_samples_split=2,
                                                    min_weight_fraction_leaf=0.0,
                                                    n_estimators=100,
                                                    n_jobs=None,
                                                    oob_score=False,
                                                    random_state=None,
                                                    verbose=50,
                                                    warm_start=False),
                   iid='deprecated', n_iter=10, n_jobs=None,
                   param_distributions={'max_depth': [20, 40, 60],
                                        'n_estimators': [90, 100, 110]},
                   pre_dispatch='2*n_jobs', random_state=None, refit=True,
                   return_train_score=True, scoring='accuracy', verbose=0)
```

In [37]:

```python
#Getting the best hyperparams
print(hyperParam_Clf2.best_params_)
```

```
{'n_estimators': 110, 'max_depth': 40}
```

In [5]:

```python
rfModel = RandomForestClassifier(n_estimators = 110, max_depth= 40, class_weight='balanc
ed', verbose = 50).fit(x_train, y_train)
```

```
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
building tree 1 of 110
[Parallel(n_jobs=1)]: Done   1 out of   1 | elapsed:    2.3s remaining:    0.0s
building tree 2 of 110
```

```
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    4.5s remaining:    0.0s
building tree 3 of 110
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    6.6s remaining:    0.0s
building tree 4 of 110
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    8.7s remaining:    0.0s
building tree 5 of 110
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:   10.6s remaining:    0.0s
building tree 6 of 110
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:   12.7s remaining:    0.0s
building tree 7 of 110
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:   14.9s remaining:    0.0s
building tree 8 of 110
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:   17.0s remaining:    0.0s
building tree 9 of 110
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:   19.1s remaining:    0.0s
building tree 10 of 110
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:   21.3s remaining:    0.0s
building tree 11 of 110
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:   23.6s remaining:    0.0s
building tree 12 of 110
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:   25.7s remaining:    0.0s
building tree 13 of 110
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:   27.8s remaining:    0.0s
building tree 14 of 110
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:   30.0s remaining:    0.0s
building tree 15 of 110
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:   32.2s remaining:    0.0s
building tree 16 of 110
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:   34.4s remaining:    0.0s
building tree 17 of 110
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:   36.6s remaining:    0.0s
building tree 18 of 110
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:   38.7s remaining:    0.0s
building tree 19 of 110
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:   40.8s remaining:    0.0s
building tree 20 of 110
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:   42.9s remaining:    0.0s
building tree 21 of 110
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:   45.0s remaining:    0.0s
building tree 22 of 110
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:   47.1s remaining:    0.0s
building tree 23 of 110
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:   49.4s remaining:    0.0s
building tree 24 of 110
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:   51.5s remaining:    0.0s
building tree 25 of 110
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:   53.6s remaining:    0.0s
building tree 26 of 110
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   55.6s remaining:    0.0s
building tree 27 of 110
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   57.5s remaining:    0.0s
building tree 28 of 110
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   59.4s remaining:    0.0s
building tree 29 of 110
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    1.0min remaining:    0.0s
building tree 30 of 110
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    1.1min remaining:    0.0s
building tree 31 of 110
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    1.1min remaining:    0.0s
building tree 32 of 110
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    1.1min remaining:    0.0s
building tree 33 of 110
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    1.2min remaining:    0.0s
building tree 34 of 110
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    1.2min remaining:    0.0s
building tree 35 of 110
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    1.2min remaining:    0.0s
building tree 36 of 110
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    1.2min remaining:    0.0s
building tree 37 of 110
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    1.3min remaining:    0.0s
building tree 38 of 110
```

```
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:  1.3min remaining:     0.0s
building tree 39 of 110
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:  1.3min remaining:     0.0s
building tree 40 of 110
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:  1.4min remaining:     0.0s
building tree 41 of 110
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:  1.4min remaining:     0.0s
building tree 42 of 110
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:  1.4min remaining:     0.0s
building tree 43 of 110
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:  1.5min remaining:     0.0s
building tree 44 of 110
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:  1.5min remaining:     0.0s
building tree 45 of 110
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:  1.5min remaining:     0.0s
building tree 46 of 110
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:  1.6min remaining:     0.0s
building tree 47 of 110
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:  1.6min remaining:     0.0s
building tree 48 of 110
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:  1.6min remaining:     0.0s
building tree 49 of 110
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:  1.7min remaining:     0.0s
building tree 50 of 110
building tree 51 of 110
building tree 52 of 110
building tree 53 of 110
building tree 54 of 110
building tree 55 of 110
building tree 56 of 110
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building tree 90 of 110
building tree 91 of 110
building tree 92 of 110
building tree 93 of 110
building tree 94 of 110
building tree 95 of 110
building tree 96 of 110
building tree 97 of 110
building tree 98 of 110
```

```
building tree 99 of 110
building tree 100 of 110
building tree 101 of 110
building tree 102 of 110
building tree 103 of 110
building tree 104 of 110
building tree 105 of 110
building tree 106 of 110
building tree 107 of 110
building tree 108 of 110
building tree 109 of 110
building tree 110 of 110
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:   3.7min finished
```

In [7]:

```python
joblib.dump(rfModel, 'drive/My Drive/CaseStudy1/rfpredictModel.pkl')
```

Out[7]:

```
['drive/My Drive/CaseStudy1/rfpredictModel.pkl']
```

In [6]:

```python
rf_predictions = rfModel.predict(x_test)

def mean_absolute_percentage_error(y_true, y_pred):
    y_true, y_pred = np.array(y_true), np.array(y_pred)
    return np.mean(np.abs((y_true - y_pred) / y_true)) * 100

#Finding MAE
rf_MAE = mean_absolute_error(y_test, rf_predictions)
print('MAE value is: ', rf_MAE)

#Finding MAPE
rf_MAPE = mean_absolute_percentage_error(y_test, rf_predictions)
print('MAPE value is: ', rf_MAPE)
```

```
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    6.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    6.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    6.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    7.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    7.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    8.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    8.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    9.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    9.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    9.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:   10.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:   10.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:   10.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:   11.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:   11.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:   12.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:   12.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:   13.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   13.4s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:   13.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:   13.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:   14.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:   14.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:   15.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:   15.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:   15.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:   16.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:   16.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:   17.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:   17.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:   17.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:   18.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:   18.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:   18.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:   19.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  110 out of  110 | elapsed:   42.1s finished
MAE value is:  0.46410948926282
MAPE value is:  25.90226789671963
```

After tuning random forest further, the MAPE value has reduced by 4%. We will be using these parameters for final stacked model.

In [32]:

```python
#Hyper param tuning for decision tree too
min_samples_split = [30,40,50,60]
max_features = ['sqrt', 'log2']

dt_model = DecisionTreeClassifier()
parameters = {'min_samples_split': min_samples_split, 'max_features':max_features }

hyperParam_Clf3 = RandomizedSearchCV(dt_model, parameters, cv = 3, scoring = 'accuracy',
return_train_score= True)
hyperParam_Clf3.fit(x_cv, y_cv)
```

```
/usr/local/lib/python3.6/dist-packages/sklearn/model_selection/_search.py:281: UserWarnin
g: The total space of parameters 8 is smaller than n_iter=10. Running 8 iterations. For e
xhaustive searches, use GridSearchCV.
  % (grid_size, self.n_iter, grid_size), UserWarning)
```

Out[32]:

```
RandomizedSearchCV(cv=3, error_score=nan,
                   estimator=DecisionTreeClassifier(ccp_alpha=0.0,
                                                    class_weight=None,
                                                    criterion='gini',
                                                    max_depth=None,
                                                    max_features=None,
                                                    max_leaf_nodes=None,
                                                    min_impurity_decrease=0.0,
                                                    min_impurity_split=None,
                                                    min_samples_leaf=1,
                                                    min_samples_split=2,
                                                    min_weight_fraction_leaf=0.0,
                                                    presort='deprecated',
                                                    random_state=None,
                                                    splitter='best'),
                   iid='deprecated', n_iter=10, n_jobs=None,
                   param_distributions={'max_features': ['sqrt', 'log2'],
                                        'min_samples_split': [30, 40, 50, 60]},
                   pre_dispatch='2*n_jobs', random_state=None, refit=True,
                   return_train_score=True, scoring='accuracy', verbose=0)
```

In [33]:

```python
print(hyperParam_Clf3.best_params_)
```

```
{'min_samples_split': 60, 'max_features': 'sqrt'}
```

In [9]:

```
dtModel = DecisionTreeClassifier(min_samples_split = 40, max_features = 'sqrt').fit(x_tr
ain, y_train)
```

In [10]:

```
#Saving decision tree model to drive

joblib.dump(dtModel, 'drive/My Drive/CaseStudy1/dtpredictModel.pkl')
```

Out[10]:

```
['drive/My Drive/CaseStudy1/dtpredictModel.pkl']
```

In [35]:

```
dt_predictions = dtModel.predict(x_test)

def mean_absolute_percentage_error(y_true, y_pred):
    y_true, y_pred = np.array(y_true), np.array(y_pred)
    return np.mean(np.abs((y_true - y_pred) / y_true)) * 100

#Finding MAE
dt_MAE = mean_absolute_error(y_test, dt_predictions)
print('MAE value is: ', dt_MAE)

#Finding MAPE
dt_MAPE = mean_absolute_percentage_error(y_test, dt_predictions)
print('MAPE value is: ', dt_MAPE)
```

```
MAE value is:   0.45498860695443105
MAPE value is:  24.996455548091664
```

Now after extensive hyer parameter tuning, the 3 models:

1. **KNN (MAE: 0.438, MAPE: 23.953)**
2. **Decision Tree (MAE: 0.464, MAPE: 35.902)**
3. **Random Forest (MAE: 0.455, MAPE: 24.996)**

are performing almost equally well, we can us these 3 model for our samples and can take the final result as per the majority vote.

Part 2

Now using ensemble model to get the final predictions.

In [6]:

```
x_train, x_test, y_train, y_test = train_test_split(x, y, test_size=0.20, stratify=y)
```

In [7]:

```
x_D1, x_D2, y_D1, y_D2 = train_test_split(x_train, y_train, test_size=0.50, stratify=y_t
rain)
```

In [ ]:

```
for i in range(3):
  id_val = np.random.choice(np.arange(len(x_D1)), 50000, replace=True)
  sample_x = x_D1.iloc[id_val]
  sample_y = y_D1[id_val]
  #Perforing decision tree on sample 1
  if(i == 0):
    dtSampleModel = DecisionTreeClassifier(min_samples_split = 40, max_features = 'sqrt'
).fit(sample_x, sample_y)
    joblib.dump(dtSampleModel, 'drive/My Drive/CaseStudy1/SampleModel_'+ str(i) + '.pkl'
)
  elif(i == 1):
    knnSampleModel = KNeighborsClassifier(n_neighbors = 30, leaf_size = 40).fit(sample_x
, sample_y)
```

```
        joblib.dump(knnSampleModel, 'drive/My Drive/CaseStudy1/SampleModel_'+ str(i) + '.pkl
')
    else:
        rfSampleModel = RandomForestClassifier(n_estimators = 110, max_depth= 40, class_weig
ht='balanced', verbose = 50).fit(sample_x, sample_y)
        joblib.dump(rfSampleModel, 'drive/My Drive/CaseStudy1/SampleModel_'+ str(i) + '.pkl'
)
```

In [9]:

```
D2_df = pd.DataFrame()
```

In [10]:

```
#Pass D2 through each of the model and get the predictions for it
for i in range(3):
    dt2SampleModel = joblib.load('drive/My Drive/CaseStudy1/SampleModel_'+ str(i) + '.pkl'
)
    predictedValues = dt2SampleModel.predict(x_D2)
    columnName = 'predict' + str(i)
    D2_df[columnName] = predictedValues
```

```
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done     1 out of     1 | elapsed:     0.2s remaining:     0.0s
[Parallel(n_jobs=1)]: Done     2 out of     2 | elapsed:     0.5s remaining:     0.0s
[Parallel(n_jobs=1)]: Done     3 out of     3 | elapsed:     0.7s remaining:     0.0s
[Parallel(n_jobs=1)]: Done     4 out of     4 | elapsed:     0.9s remaining:     0.0s
[Parallel(n_jobs=1)]: Done     5 out of     5 | elapsed:     1.2s remaining:     0.0s
[Parallel(n_jobs=1)]: Done     6 out of     6 | elapsed:     1.4s remaining:     0.0s
[Parallel(n_jobs=1)]: Done     7 out of     7 | elapsed:     1.6s remaining:     0.0s
[Parallel(n_jobs=1)]: Done     8 out of     8 | elapsed:     1.9s remaining:     0.0s
[Parallel(n_jobs=1)]: Done     9 out of     9 | elapsed:     2.1s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    10 out of    10 | elapsed:     2.3s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    11 out of    11 | elapsed:     2.6s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    12 out of    12 | elapsed:     2.8s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    13 out of    13 | elapsed:     3.0s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    14 out of    14 | elapsed:     3.3s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    15 out of    15 | elapsed:     3.5s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    16 out of    16 | elapsed:     3.7s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    17 out of    17 | elapsed:     4.0s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    18 out of    18 | elapsed:     4.2s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    19 out of    19 | elapsed:     4.4s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    20 out of    20 | elapsed:     4.7s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    21 out of    21 | elapsed:     4.9s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    22 out of    22 | elapsed:     5.1s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    23 out of    23 | elapsed:     5.4s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    24 out of    24 | elapsed:     5.6s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    25 out of    25 | elapsed:     5.9s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    26 out of    26 | elapsed:     6.1s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    27 out of    27 | elapsed:     6.3s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    28 out of    28 | elapsed:     6.6s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    29 out of    29 | elapsed:     6.8s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    30 out of    30 | elapsed:     7.0s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    31 out of    31 | elapsed:     7.3s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    32 out of    32 | elapsed:     7.5s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    33 out of    33 | elapsed:     7.8s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    34 out of    34 | elapsed:     8.0s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    35 out of    35 | elapsed:     8.2s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    36 out of    36 | elapsed:     8.5s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    37 out of    37 | elapsed:     8.7s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    38 out of    38 | elapsed:     8.9s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    39 out of    39 | elapsed:     9.2s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    40 out of    40 | elapsed:     9.4s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    41 out of    41 | elapsed:     9.7s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    42 out of    42 | elapsed:     9.9s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    43 out of    43 | elapsed:    10.1s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    44 out of    44 | elapsed:    10.4s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    45 out of    45 | elapsed:    10.6s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    46 out of    46 | elapsed:    10.8s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    47 out of    47 | elapsed:    11.1s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    48 out of    48 | elapsed:    11.3s remaining:     0.0s
[Parallel(n_jobs=1)]: Done    49 out of    49 | elapsed:    11.5s remaining:     0.0s
```

```
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:    25.8s finished
```

In [21]:

```
D2_df.head()
```

Out[21]:

	predict0	predict1	predict2
0	2	1	1
1	2	2	2
2	2	2	1
3	2	2	1
4	2	2	2

In [14]:

```
#Deciding the final value from model using majority count.
finalPrediction = []
for i in range(len(D2_df)):
  row_list = D2_df.iloc[i].values.tolist()
  majority_count = max(set(row_list) , key=row_list.count)
  finalPrediction.append(majority_count)
```

In [15]:

```
finalPrediction = np.array(finalPrediction)
```

In [16]:

```
def mean_absolute_percentage_error(y_true, y_pred):
    y_true, y_pred = np.array(y_true), np.array(y_pred)
    return np.mean(np.abs((y_true - y_pred) / y_true)) * 100
```

In [17]:

```
#Checking error values for train data now
#Finding MAE
train_MAE = mean_absolute_error(y_D2, finalPrediction)
print('Train MAE value is: ', train_MAE)

#Finding MAPE
train_MAPE = mean_absolute_percentage_error(y_D2, finalPrediction)
print('MAPE value is: ', train_MAPE)
```

```
Train MAE value is:  0.4515944194653982
MAPE value is:  24.302818401173063
```

After using different models in stacking, the MAE error has reduced by 0.005 and MAPE reduced by 0.2%

In [18]:

```
#Putting in test data now
def testDataPrediction(x_test):
  test_df = pd.DataFrame()
  for i in range(3):
    SampleModel = joblib.load('drive/My Drive/CaseStudy1/SampleModel_'+ str(i) + '.pkl')
    predictedValues = SampleModel.predict(x_test)
    columnName = 'predict' + str(i)
    test_df[columnName] = predictedValues

  test_finalPrediction = []
  for j in range(len(test_df)):
    row_list = test_df.iloc[j].values.tolist()
    majority_count = max(set(row_list) , key=row_list.count)
    test_finalPrediction.append(majority_count)
```

```
    test_finalPrediction = np.array(test_finalPrediction)
    return(test_finalPrediction)
```

In [20]:

```
test_MAE = mean_absolute_error(y_test, testDataPrediction(x_test))
print('Test MAE value is: ', test_MAE)

#Finding MAPE
test_MAPE = mean_absolute_percentage_error(y_test, testDataPrediction(x_test))
print('Test MAPE value is: ', test_MAPE)
```

```
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    2.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    4.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    5.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done  110 out of  110 | elapsed:   12.7s finished
Test MAE value is:  0.45242798988548044
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done    1 out of    1 | elapsed:    0.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    2 out of    2 | elapsed:    0.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    3 out of    3 | elapsed:    0.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    4 out of    4 | elapsed:    0.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed:    0.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed:    0.7s remaining:    0.0s
```

```
[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed:    0.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed:    0.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done    9 out of    9 | elapsed:    1.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   10 out of   10 | elapsed:    1.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   11 out of   11 | elapsed:    1.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   12 out of   12 | elapsed:    1.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   13 out of   13 | elapsed:    1.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   14 out of   14 | elapsed:    1.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   15 out of   15 | elapsed:    1.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   16 out of   16 | elapsed:    1.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   17 out of   17 | elapsed:    2.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   18 out of   18 | elapsed:    2.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   19 out of   19 | elapsed:    2.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   20 out of   20 | elapsed:    2.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   21 out of   21 | elapsed:    2.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   22 out of   22 | elapsed:    2.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   23 out of   23 | elapsed:    2.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   24 out of   24 | elapsed:    2.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   25 out of   25 | elapsed:    3.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   26 out of   26 | elapsed:    3.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   27 out of   27 | elapsed:    3.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   28 out of   28 | elapsed:    3.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   29 out of   29 | elapsed:    3.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   30 out of   30 | elapsed:    3.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   31 out of   31 | elapsed:    3.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   32 out of   32 | elapsed:    3.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   33 out of   33 | elapsed:    3.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   34 out of   34 | elapsed:    4.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   35 out of   35 | elapsed:    4.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   36 out of   36 | elapsed:    4.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   37 out of   37 | elapsed:    4.4s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   38 out of   38 | elapsed:    4.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   39 out of   39 | elapsed:    4.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   40 out of   40 | elapsed:    4.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   41 out of   41 | elapsed:    4.9s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   42 out of   42 | elapsed:    5.0s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   43 out of   43 | elapsed:    5.1s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   44 out of   44 | elapsed:    5.2s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   45 out of   45 | elapsed:    5.3s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   46 out of   46 | elapsed:    5.5s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   47 out of   47 | elapsed:    5.6s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   48 out of   48 | elapsed:    5.7s remaining:    0.0s
[Parallel(n_jobs=1)]: Done   49 out of   49 | elapsed:    5.8s remaining:    0.0s
[Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed:   13.0s finished
Test MAPE value is:  24.30036934886799
```

Final values of MAE and MAPE for test data are:

MAE: 0.45

MAPE: 24.3