```
In [1]:
from google.colab import drive
drive.mount('/content/drive')
Mounted at /content/drive
In [2]:
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: FutureWar
ning: 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-seriali
ze those models with scikit-learn 0.21+.
 warnings.warn(msg, category=FutureWarning)
In [3]:
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]:
#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]:
x train, x cv, y train, y cv = train test split(x train, y train, test size=0.33, strati
fy=y train)
In [7]:
#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
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[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 building tree 19 of 110 [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 building tree 25 of 110 [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

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es not provide shared memory semantics.
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 [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
huilding tree / of QN
```

[Parallel(n_jobs=1)]: Done	4	out	of	4	elapsed:	1.8s	remaining:	0.0s
<pre>building tree 5 of 90 [Parallel(n_jobs=1)]: Done</pre>	5	out	of	5	elapsed:	2.2s	remaining:	0.0s
<pre>building tree 6 of 90 [Parallel(n_jobs=1)]: Done</pre>	6	out	of	6	elapsed:	2.6s	remaining:	0.0s
<pre>building tree 7 of 90 [Parallel(n_jobs=1)]: Done</pre>	7	out	of	7	elapsed:	3.1s	remaining:	0.0s
<pre>building tree 8 of 90 [Parallel(n_jobs=1)]: Done</pre>	8	out	of	8	elapsed:	3.5s	remaining:	0.0s
<pre>building tree 9 of 90 [Parallel(n_jobs=1)]: Done</pre>	9	out	of	9	elapsed:	3.9s	remaining:	0.0s
<pre>building tree 10 of 90 [Parallel(n_jobs=1)]: Done</pre>	10	out	of	10	elapsed:	4.3s	remaining:	0.0s
<pre>building tree 11 of 90 [Parallel(n_jobs=1)]: Done</pre>	11	out	of	11	elapsed:	4.8s	remaining:	0.0s
<pre>building tree 12 of 90 [Parallel(n_jobs=1)]: Done</pre>	12	out	of	12	elapsed:	5.2s	remaining:	0.0s
<pre>building tree 13 of 90 [Parallel(n_jobs=1)]: Done</pre>	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
<pre>building tree 17 of 90 [Parallel(n_jobs=1)]: Done building tree 18 of 90</pre>	17	out	of	17	elapsed:	7.4s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 19 of 90	18	out	of	18	elapsed:	7.8s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 20 of 90	19	out	of	19	elapsed:	8.3s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 21 of 90	20	out	of	20	elapsed:	8.7s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 22 of 90	21	out	of	21	elapsed:	9.1s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 23 of 90	22	out	of	22	elapsed:	9.6s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 24 of 90	23	out	of	23	elapsed:	10.0s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 25 of 90	24	out	of	24	elapsed:	10.5s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 26 of 90	25	out	of	25	elapsed:	10.9s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 27 of 90	26	out	of	26	elapsed:	11.3s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 28 of 90</pre>	27	out	of	27	elapsed:	11.8s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 29 of 90</pre>	28	out	of	28	elapsed:	12.2s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 30 of 90</pre>	29	out	of	29	elapsed:	12.6s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 31 of 90</pre>	30	out	of	30	elapsed:	13.0s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 32 of 90</pre>	31	out	of	31	elapsed:	13.5s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 33 of 90</pre>	32	out	of	32	elapsed:	13.9s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 34 of 90</pre>	33	out	of	33	elapsed:	14.3s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 35 of 90</pre>	34	out	of	34	elapsed:	14.7s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 36 of 90</pre>		out			elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 37 of 90</pre>		out			elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 38 of 90</pre>		out			elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 39 of 90</pre>		out			elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 40 of 90	39	out	of	39	elapsed:	17.0s	remaining:	0.0s

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[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
                                                                          0.0s
[Parallel(n jobs=1)]: Done 43 out of 43 | elapsed:
                                                      18.7s remaining:
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
building tree 50 of 90
building tree 51 of 90
building tree 52 of 90
building tree 53 of 90
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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: 39.6s 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
                                                                        0.0s
                                      4 | elapsed: 0.3s remaining:
[Parallel(n_jobs=1)]: Done 5 out of
                                      5 | elapsed:
                                                     0.3s remaining:
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[Parallel(n_jobs=1)]: Done 6 out of
                                                     0.4s remaining:
                                      6 | elapsed:
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[Parallel(n_jobs=1)]: Done 7 out of

[Darallel /n inhe=1) 1. Done & out of

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[Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.1s remaining:
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[Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 21 out of 20 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 25 out of 26 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 25 out of 26 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 35 out of 36 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 40 out of 41 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 45 out of
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   [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 3.5s remaining: [Parallel(n_jobs=1)]: Done 90 out of 90 | elapsed: 6.3s finished
                                                                                                                                                                                                                                                                                                                                    0.0s
  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: [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.4s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 1.6s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 2.0s remaining:
   [Parallel(n jobs=1)]: Done 2 out of
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   [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 2.0s remaining:
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   [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.3s remaining:
                                                                                                                                                                                                                                                                                                                                      0.0s
 [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 3.5s remaining:
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[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 3.6s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 3.7s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 3.9s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 4.0s remaining:
                                                                                         U.UD
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[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:
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[Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed:
                                                                 5.2s remaining:
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[Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed:
                                                                 5.3s remaining:
[Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 5.3s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 5.5s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 5.6s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 5.7s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 5.9s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 6.0s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 6.1s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 6.3s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 90 out of 90 | elapsed: 11.7s finished
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[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
                                               5 | elapsed: 2.1s remaining:
[Parallel(n jobs=1)]: Done
                                  5 out of
                                                                                         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 | elapsed: 3.5s remaining:
                                  8 out of
                                                                                         0.0s
building tree 9 of 90
                                9 out of 9 | elapsed: 3.9s remaining:
                                                                                         0.0s
[Parallel(n jobs=1)]: Done
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:
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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:
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building tree 16 of 90
[Parallel(n jobs=1)]: Done 16 out of 16 | elapsed:
                                                                 6.9s remaining:
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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
                                19 out of 19 | elapsed:
                                                                 8.3s remaining:
[Parallel(n jobs=1)]: Done
                                                                                         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
[Daralla] (n inhe=1) 1. Dona 21 out of 21 | alancad.
                                                                 10 10 remaining.
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[rararrer(n_]ons_r/]. none	ZI UUL UI	71 εταλοεα·	10.70 15maining.	U.UB
<pre>building tree 25 of 90 [Parallel(n_jobs=1)]: Done</pre>	25 out of	25 elapsed:	10.9s remaining:	0.0s
<pre>building tree 26 of 90 [Parallel(n_jobs=1)]: Done</pre>	26 out of	26 elapsed:	11.3s remaining:	0.0s
<pre>building tree 27 of 90 [Parallel(n_jobs=1)]: Done</pre>	27 out of	27 elapsed:	11.8s remaining:	0.0s
<pre>building tree 28 of 90 [Parallel(n_jobs=1)]: Done</pre>	28 out of	28 elapsed:	12.2s remaining:	0.0s
<pre>building tree 29 of 90 [Parallel(n_jobs=1)]: Done</pre>	29 out of	29 elapsed:	12.6s remaining:	0.0s
<pre>building tree 30 of 90 [Parallel(n_jobs=1)]: Done</pre>	30 out of	30 elapsed:	13.1s remaining:	0.0s
<pre>building tree 31 of 90 [Parallel(n_jobs=1)]: Done</pre>	31 out of	31 elapsed:	13.5s remaining:	0.0s
<pre>building tree 32 of 90 [Parallel(n_jobs=1)]: Done</pre>	32 out of	32 elapsed:	14.0s remaining:	0.0s
<pre>building tree 33 of 90 [Parallel(n_jobs=1)]: Done</pre>	33 out of	33 elapsed:	14.4s remaining:	0.0s
<pre>building tree 34 of 90 [Parallel(n_jobs=1)]: Done</pre>	34 out of	34 elapsed:	14.8s remaining:	0.0s
<pre>building tree 35 of 90 [Parallel(n_jobs=1)]: Done</pre>	35 out of	35 elapsed:	15.3s remaining:	0.0s
<pre>building tree 36 of 90 [Parallel(n_jobs=1)]: Done</pre>	36 out of	36 elapsed:	15.7s remaining:	0.0s
<pre>building tree 37 of 90 [Parallel(n_jobs=1)]: Done</pre>	37 out of	37 elapsed:	16.2s remaining:	0.0s
<pre>building tree 38 of 90 [Parallel(n_jobs=1)]: Done</pre>	38 out of	38 elapsed:	16.6s remaining:	0.0s
<pre>building tree 39 of 90 [Parallel(n_jobs=1)]: Done</pre>	39 out of	39 elapsed:	17.0s remaining:	0.0s
<pre>building tree 40 of 90 [Parallel(n_jobs=1)]: Done</pre>	40 out of	40 elapsed:	17.5s remaining:	0.0s
<pre>building tree 41 of 90 [Parallel(n_jobs=1)]: Done</pre>	41 out of	41 elapsed:	17.9s remaining:	0.0s
<pre>building tree 42 of 90 [Parallel(n_jobs=1)]: Done</pre>	42 out of	42 elapsed:	18.4s remaining:	0.0s
<pre>building tree 43 of 90 [Parallel(n_jobs=1)]: Done</pre>	43 out of	43 elapsed:	18.8s remaining:	0.0s
<pre>building tree 44 of 90 [Parallel(n_jobs=1)]: Done</pre>	44 out of	44 elapsed:	19.3s remaining:	0.0s
<pre>building tree 45 of 90 [Parallel(n_jobs=1)]: Done</pre>	45 out of	45 elapsed:	19.7s remaining:	0.0s
<pre>building tree 46 of 90 [Parallel(n_jobs=1)]: Done</pre>	46 out of	46 elapsed:	20.1s remaining:	0.0s
<pre>building tree 47 of 90 [Parallel(n_jobs=1)]: Done</pre>	47 out of	47 elapsed:	20.6s remaining:	0.0s
<pre>building tree 48 of 90 [Parallel(n_jobs=1)]: Done</pre>	48 out of	48 elapsed:	21.0s remaining:	0.0s
<pre>building tree 49 of 90 [Parallel(n_jobs=1)]: Done</pre>	49 out of	49 elapsed:	21.4s remaining:	0.0s
building tree 50 of 90 building tree 51 of 90				
building tree 52 of 90 building tree 53 of 90				
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building tree 60 of 90 building tree 67 of 90				
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huilding tree 71 of 90				

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building tree 72 of 90
building tree 73 of 90
building tree 74 of 90
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building tree 81 of 90
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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: 39.3s 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:
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[Parallel(n jobs=1)]: Done 3 out of
                                                3 | elapsed:
                                                                    0.2s remaining:
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[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:
[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
                                                8 | elapsed: 0.5s remaining: 9 | elapsed: 0.6s remaining:
[Parallel(n jobs=1)]: Done 8 out of
                                                                                            0.0s
[Parallel(n jobs=1)]: Done 9 out of
                                                                                             0.0s
[Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 1.1s remaining:
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                                                                                             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:
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[Parallel(n jobs=1)]: Done 21 out of 21 | elapsed: 1.4s remaining:
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[Parallel(n jobs=1)]: Done 22 out of 22 | elapsed: 1.5s remaining:
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[Parallel(n jobs=1)]: Done 23 out of 23 | elapsed: 1.5s remaining:
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[Parallel(n jobs=1)]: Done 24 out of 24 | elapsed: 1.6s remaining:
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[Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.7s remaining:
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[Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed:
                                                                  1.7s remaining:
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[Parallel(n jobs=1)]: Done 27 out of 27 | elapsed: 1.8s remaining:
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[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed:
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1.9s remaining:
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[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed:
[Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed:
[Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed:
[Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed:
[Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed:
[Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed:
[Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed:
[Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed:
[Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed:
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                                                                    2.0s remaining:
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                                                                  2.1s remaining:
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                                                                    2.3s remaining:
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                                                                  2.3s remaining:
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[Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 2.4s remaining:
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[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:
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[Parallel(n jobs=1)]: Done 39 out of 39 | elapsed:
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                                                                    2.6s remaining:
[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:
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[Parallel(n jobs=1)]: Done 42 out of 42 | elapsed: 2.8s remaining:
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[Parallel(n jobs=1)]: Done 43 out of 43 | elapsed:
                                                                    2.9s remaining:
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                                                                  2.9s remaining:
[Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed:
                                                                                             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:
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[Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed:
                                                                    3.1s remaining:
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[Parallel(n jobs=1)]: Done 48 out of 48 | elapsed:

[Daralla] (n inhe=1) 1. Dona 10 out of 10 1 alancad.

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[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:
 [Parallel(n jobs=1)]: Done 2 out of
                                                                                         2 | elapsed:
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 [Parallel(n jobs=1)]: Done 3 out of 3 | elapsed: 0.4s remaining:
 [Parallel(n jobs=1)]: Done 4 out of 4 | elapsed: 0.5s remaining:
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 [Parallel(n jobs=1)]: Done 5 out of
                                                                                         5 | elapsed: 0.6s remaining:
 [Parallel(n jobs=1)]: Done 6 out of
                                                                                     6 | elapsed: 0.8s remaining:
                                                                                                                                                                     0.0s
                                                                                      7 | elapsed: 0.9s remaining: 8 | elapsed: 1.0s remaining:
 [Parallel(n_jobs=1)]: Done 7 out of
                                                                                                                                                                      0.0s
 [Parallel(n_jobs=1)]: Done  8 out of
                                                                                                                                                                      0.0s
[Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 2.6s remaining:
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 [Parallel(n jobs=1)]: Done 20 out of 20 | elapsed: 2.6s remaining:
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 [Parallel(n jobs=1)]: Done 21 out of 21 | elapsed: 2.7s remaining:
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 [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:
[Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 3.5s remaining: [Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 3.6s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 3.7s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 3.9s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 4.0s remaining: [Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 4.1s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 4.3s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 4.4s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 4.5s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 4.7s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 4.8s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 4.9s remaining:
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 [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: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 5.8s remaining:
                                                                                                                                                                       0.0s
                                                                                                                                                                       0.0s
 [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 6.0s remaining:
                                                                                                                                                                       0.0s
                                                                                                                      6.1s remaining:
6.2s remaining:
6.4s remaining:
11.6s finished
 [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed:
                                                                                                                                                                       0.0s
[Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: [Parallel(n_jobs=1)]: Done 90 out of 90 | elapsed:
                                                                                                                                                                       0.0s
                                                                                                                                                                       0.0s
 \label{lem:concurrent} \end{substitute} \end{substitute
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
                                                                 3 out of
 [Parallel(n jobs=1)]: Done
                                                                                         3 | elapsed:
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                                                                                                                                                                       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:
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huilding tree 9 of 90
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[Parallel(n_jobs=1)]: Done	9 out of	9 elapsed:	3.9s remaining:	0.0s
<pre>building tree 10 of 90 [Parallel(n_jobs=1)]: Done</pre>	10 out of	10 elapsed:	4.3s remaining:	0.0s
<pre>building tree 11 of 90 [Parallel(n_jobs=1)]: Done</pre>	11 out of	11 elapsed:	4.7s remaining:	0.0s
<pre>building tree 12 of 90 [Parallel(n_jobs=1)]: Done</pre>	12 out of	12 elapsed:	5.1s remaining:	0.0s
<pre>building tree 13 of 90 [Parallel(n_jobs=1)]: Done</pre>	13 out of	13 elapsed:	5.6s remaining:	0.0s
<pre>building tree 14 of 90 [Parallel(n jobs=1)]: Done</pre>	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	· ·	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 building tree 24 of 90	23 out of	23 elapsed:	10.0s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 25 of 90	24 out of	24 elapsed:	10.4s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 26 of 90	25 out of	_	10.8s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 27 of 90</pre>	26 out of	_	11.3s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 28 of 90</pre>		27 elapsed:	11.7s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 29 of 90</pre>	28 out of	28 elapsed:	12.1s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 30 of 90</pre>	29 out of	29 elapsed:	12.6s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 31 of 90</pre>	30 out of	30 elapsed:	13.0s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 32 of 90</pre>	31 out of	31 elapsed:	13.4s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 33 of 90</pre>	32 out of	32 elapsed:	13.9s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 34 of 90	33 out of	33 elapsed:	14.3s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 35 of 90	34 out of	34 elapsed:	14.7s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 36 of 90	35 out of	35 elapsed:	15.1s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 37 of 90	36 out of	36 elapsed:	15.5s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 38 of 90	37 out of	37 elapsed:	15.9s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 39 of 90	38 out of	38 elapsed:	16.3s remaining:	0.0s
[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
<pre>building tree 43 of 90 [Parallel(n_jobs=1)]: Done</pre>	43 out of	43 elapsed:	18.2s remaining:	0.0s
<pre>building tree 44 of 90 [Parallel(n_jobs=1)]: Done</pre>	44 out of	44 elapsed:	18.6s remaining:	0.0s
huilding tree 15 of QN				

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[Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed:
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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:
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building tree 50 of 90
building tree 51 of 90
building tree 52 of 90
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building tree 54 of 90
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building tree 56 of 90
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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
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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: 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: [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.2s remaining:
                                                                            0.0s
                                                                            0.0s
                                                                            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:
```

[Parallel(n jobs=1)]: Done 17 out of 17 | elapsed:

[Darallal /n inhe=1) 1. Dona 18 out of 18 | alanead.

0.0s

0.0s

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1.0s remaining:

```
[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: 1.4s remaining: 0.0s [Parallel(n_jobs=1)]: Done 25 out of 25 | 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 26 | 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 29 out of 29 | elapsed: 1.8s remaining: 0.0s [Parallel(n_jobs=1)]: Done 31 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 31 out of 32 | elapsed: 1.9s 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: 2.2s remaining: 0.0s [Parallel(n_jobs=1)]: Done 35 out of 36 | elapsed: 2.2s remaining: 0.0s [Parallel(n_jobs=1)]: Done 36 out of 37 | 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 41 out of 41 | elapsed: 2.4s remaining: 0.0s [Parallel(n_jobs=1)]: Done 41 out of 42 | elapsed: 2.4s remaining: 0.0s [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 45 out of 46 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 45 out of 47 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 47 
        [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
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: 0.2s 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: 0.6s 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 6 | elapsed: 0.7s remaining: 0.0s |
Parallel(n_jobs=1)]: Done 9 out of 7 | elapsed: 0.8s remaining: 0.0s |
Parallel(n_jobs=1)]: Done 10 out of 7 | elapsed: 0.8s 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: 1.2s 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 13 out of 13 | elapsed: 1.5s remaining: 0.0s |
Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.5s 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 16 out of 16 | elapsed: 2.1s remaining: 0.0s |
Parallel(n_jobs=1)]: Done 10 | elapsed: 2.1s 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: 2.3s remaining: 0.0s |
Parallel(n_jobs=1)]: Done 24 out of 25 | elapsed: 2.5s remaining: 0.0s |
Parallel(n_jobs=1)]: Done 25 out of 26 | elapsed: 3.3s remaining: 0.0s |
Parallel(n_jobs=1)]: Done 25 out of 26 | elapsed: 3.4s remaining: 0.0s |
Parallel(n_jobs=1)]: Done 25 out of 2
      es not provide shared memory semantics.
        [Parallel(n jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
```

[rararrer(n]ong_r)]. Done	J1 U	IL UI	JI	l etabsen.	7.70	Temathini.	U • U a
[Parallel(n_jobs=1)]: Done	38 οι	ıt of	38	elapsed:	4.5s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	39 οι					remaining:	0.0s
[Parallel(n_jobs=1)]: Done	40 οι			elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done	41 or					remaining:	0.0s
[Parallel(n_jobs=1)]: Done	42 ot			-		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done [Parallel(n jobs=1)]: Done</pre>	43 ot 44 ot			elapsed: elapsed:		<pre>remaining: remaining:</pre>	0.0s 0.0s
[Parallel(n jobs=1)]: Done	45 ot			_		remaining:	0.0s
[Parallel(n jobs=1)]: Done	46 ot			elapsed:		remaining:	0.0s
[Parallel(n jobs=1)]: Done	47 oi			elapsed:		remaining:	0.0s
[Parallel(n jobs=1)]: Done	48 oı	ıt of	48	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done	49 oı	ıt of			5.8s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	90 οι			elapsed:		finished	
[Parallel(n_jobs=1)]: Using	backe	end S	equent	tialBackend	with 1	concurrent	workers.
building tree 1 of 100	1		-		0 4		0.0
[Parallel(n_jobs=1)]: Done	1 01	ıt of	Τ	elapsed:	U.4S	remaining:	0.0s
<pre>building tree 2 of 100 [Parallel(n jobs=1)]: Done</pre>	2 01	ıt of	2	elapsed:	0 80	remaining:	0.0s
building tree 3 of 100	2 00	ic or	2	Гетарзес.	0.03	remaining.	0.03
[Parallel(n jobs=1)]: Done	3 01	ıt of	3	elapsed:	1.2s	remaining:	0.0s
building tree 4 of 100				. ±		5	
[Parallel(n_jobs=1)]: Done	4 οι	ıt of	4	elapsed:	1.5s	remaining:	0.0s
building tree 5 of 100							
[Parallel(n_jobs=1)]: Done	5 οι	ıt of	5	elapsed:	1.9s	remaining:	0.0s
building tree 6 of 100	6		6		0 0		0.0
[Parallel(n_jobs=1)]: Done	6 01	ıt of	6	elapsed:	2.3s	remaining:	0.0s
<pre>building tree 7 of 100 [Parallel(n_jobs=1)]: Done</pre>	7 01	ıt of	7	elapsed:	2 7s	remaining:	0.0s
building tree 8 of 100	7 00	ic or	,	r crapsca.	2.75	i cinariiriig.	0.05
[Parallel(n jobs=1)]: Done	8 oı	ıt of	8	elapsed:	3.1s	remaining:	0.0s
building tree 9 of 100						3	
[Parallel(n_jobs=1)]: Done	9 οι	ıt of	9	elapsed:	3.5s	remaining:	0.0s
building tree 10 of 100							
[Parallel(n_jobs=1)]: Done	10 οι	ıt of	10	elapsed:	3.9s	remaining:	0.0s
<pre>building tree 11 of 100 [Parallel(n jobs=1)]: Done</pre>	11 01	+ of	11	elapsed:	1 2 a	remaining:	0.0s
building tree 12 of 100	11 οι	ic or	Т.Т.	Гетарьес.	4.25	remaining.	0.05
[Parallel(n_jobs=1)]: Done	12 οι	ıt of	12	elapsed:	4.6s	remaining:	0.0s
building tree 13 of 100						5 -	
[Parallel(n_jobs=1)]: Done	13 οι	ıt of	13	elapsed:	5.0s	remaining:	0.0s
building tree 14 of 100							
[Parallel(n_jobs=1)]: Done	14 οι	ıt of	14	elapsed:	5.4s	remaining:	0.0s
building tree 15 of 100	1 -		1 -		F 0		0.0
<pre>[Parallel(n_jobs=1)]: Done building tree 16 of 100</pre>	15 01	it oi	15	elapsed:	5.88	remaining:	0.0s
[Parallel(n jobs=1)]: Done	16 01	ıt of	16	elapsed:	6 29	remaining:	0.0s
building tree 17 of 100	10 00	ic or	10	r crapsca.	0.25	i cinariiriig.	0.05
[Parallel(n jobs=1)]: Done	17 οι	ıt of	17	elapsed:	6.6s	remaining:	0.0s
building tree 18 of 100				-		_	
[Parallel(n_jobs=1)]: Done	18 οι	ıt of	18	elapsed:	6.9s	remaining:	0.0s
building tree 19 of 100							
[Parallel(n_jobs=1)]: Done	19 οι	ıt of	19	elapsed:	7.3s	remaining:	0.0s
building tree 20 of 100	20 01	+ of	20	elapsed:	7 70	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 21 of 100</pre>	٥٠ ٥١	ic OI	∠∪	ι εταμρεα:	1.18	remarning:	0.05
[Parallel(n jobs=1)]: Done	21 oı	ıt of	21	elapsed:	8.1s	remaining:	0.0s
building tree 22 of 100				. ±		5	
[Parallel(n_jobs=1)]: Done	22 οι	ıt of	22	elapsed:	8.5s	remaining:	0.0s
building tree 23 of 100							
[Parallel(n_jobs=1)]: Done	23 οι	ıt of	23	elapsed:	8.8s	remaining:	0.0s
<pre>building tree 24 of 100 [Parallel(n jobs=1)]: Done</pre>	21 0-	ı+ ^ f	2.4	elapsed:	0 2-	remaining:	0.0s
building tree 25 of 100	24 Ol	it OI	۷4	ι εταρρεα:	J.∠S	remarning:	0.05
[Parallel(n jobs=1)]: Done	25 ດາ	ıt of	25	elapsed:	9.7s	remaining:	0.0s
building tree 26 of 100				,«poca•	J • 10		J. J.
[Parallel(n_jobs=1)]: Done	26 oı	ıt of	26	elapsed:	10.0s	remaining:	0.0s
building tree 27 of 100						-	
[Parallel(n_jobs=1)]: Done	27 οι	ıt of	27	elapsed:	10.4s	remaining:	0.0s
building tree 28 of 100	2.0	.+	0.0	l olom1	10 0	mome de d	0 0-
<pre>[Parallel(n_jobs=1)]: Done building tree 29 of 100</pre>	∠ŏ Ol	ıL Oİ	∠8	elapsed:	TU.88	remaining:	0.0s
[Daralla] (n inhe=1)]. Done	20 01	ı+ ^f	20	l alancad.	11 20	romaining.	n ne

[rararrer/H_lons-r/l. bone	ZJ UUL UI	τι Ι εταίριεα.	TT.50 Temathing.	U•UD
<pre>building tree 30 of 100 [Parallel(n jobs=1)]: Done</pre>	30 out of	30 elapsed:	11.6s remaining:	0.0s
building tree 31 of 100		_	-	
<pre>[Parallel(n_jobs=1)]: Done building tree 32 of 100</pre>	31 out of	31 elapsed:	12.0s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	32 out of	32 elapsed:	12.3s remaining:	0.0s
<pre>building tree 33 of 100 [Parallel(n jobs=1)]: Done</pre>	33 out of	33 elapsed:	12.7s remaining:	0.0s
building tree 34 of 100		_	-	0 0
<pre>[Parallel(n_jobs=1)]: Done building tree 35 of 100</pre>	34 out of	34 elapsed:	13.1s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 36 of 100</pre>	35 out of	35 elapsed:	13.5s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	36 out of	36 elapsed:	13.9s remaining:	0.0s
<pre>building tree 37 of 100 [Parallel(n jobs=1)]: Done</pre>	37 out of	37 elapsed:	14.3s remaining:	0.0s
building tree 38 of 100		_	-	
<pre>[Parallel(n_jobs=1)]: Done building tree 39 of 100</pre>	38 out of	38 elapsed:	14.7s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 40 of 100</pre>	39 out of	39 elapsed:	15.1s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	40 out of	40 elapsed:	15.4s remaining:	0.0s
<pre>building tree 41 of 100 [Parallel(n jobs=1)]: Done</pre>	41 out of	41 elapsed:	15.8s remaining:	0.0s
building tree 42 of 100			-	
<pre>[Parallel(n_jobs=1)]: Done building tree 43 of 100</pre>	42 out of	42 elapsed:	16.2s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 44 of 100</pre>	43 out of	43 elapsed:	16.6s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	44 out of	44 elapsed:	17.0s remaining:	0.0s
<pre>building tree 45 of 100 [Parallel(n_jobs=1)]: Done</pre>	45 out of	45 elapsed:	17.4s remaining:	0.0s
building tree 46 of 100		_	17.7s remaining:	
[Parallel(n_jobs=1)]: Done building tree 47 of 100	46 out of	46 elapsed:	,	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 48 of 100</pre>	47 out of	47 elapsed:	18.1s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	48 out of	48 elapsed:	18.5s remaining:	0.0s
<pre>building tree 49 of 100 [Parallel(n_jobs=1)]: Done</pre>	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				
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building tree 61 of 100 building tree 62 of 100				
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building tree 76 of 100 building tree 77 of 100				
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building tree 82 of 100
building tree 83 of 100
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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:
[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 7 out of 7 | elapsed: 0.4s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 1.1s remaining:
                                                                                                     0.0s
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                                                                                                       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 27 out of 27 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 2.4s remaining:
                                                                                                       0.0s
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[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
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[Parallel(n jobs=1)]: Done 45 out of 45 | elapsed:
                                                                                                      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:
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[Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed: 6.2s finished
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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:
[Parallel(n jobs=1)]: Done 2 out of
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[Parallel(n jobs=1)]: Done 3 out of 3 | elapsed: 0.4s remaining:
[Parallel(n jobs=1)]: Done 4 out of 4 | elapsed: 0.5s remaining:
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[Parallel(n jobs=1)]: Done 5 out of
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[Parallel(n jobs=1)]: Done 6 out of
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[Parallel(n_jobs=1)]: Done 7 out of
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[Parallel(n_jobs=1)]: Done  8 out of
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[Parallel(n jobs=1)]: Done 9 out of
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[Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.6s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 2.4s remaining:
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[Parallel(n jobs=1)]: Done 20 out of 20 | elapsed: 2.4s remaining:
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[Parallel(n jobs=1)]: Done 21 out of 21 | elapsed: 2.5s remaining:
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[Parallel(n jobs=1)]: Done 22 out of 22 | elapsed: 2.6s remaining:
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[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:
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[Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 3.0s remaining:
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[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:
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[Parallel(n jobs=1)]: Done 28 out of 28 | elapsed: 3.3s remaining:
[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 3.4s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 3.6s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 3.7s remaining: [Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 3.8s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 3.9s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 4.0s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 4.2s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 4.3s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 4.4s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 4.5s remaining:
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[Parallel(n jobs=1)]: Done 38 out of 38 | elapsed: 4.5s remaining:
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[Parallel(n jobs=1)]: Done 39 out of 39 | elapsed: 4.6s remaining:
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[Parallel(n jobs=1)]: Done 40 out of 40 | elapsed: 4.8s remaining:
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[Parallel(n jobs=1)]: Done 41 out of 41 | elapsed: 4.9s remaining:
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[Parallel(n jobs=1)]: Done 42 out of 42 | elapsed: 5.0s remaining:
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[Parallel(n jobs=1)]: Done 43 out of 43 | elapsed: 5.1s remaining:
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[Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 5.2s remaining:
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[Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 5.2s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 5.4s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 5.5s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 5.6s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 5.7s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 5.8s remaining: [Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed: 11.9s finished
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\label{lem:concurrent} \end{substitute} \end{substitute
building tree 1 of 100
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building tree 2 of 100
[Parallel(n jobs=1)]: Done
                                                             2 out of
                                                                                    2 | elapsed:
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building tree 3 of 100
                                                             3 out of
[Parallel(n jobs=1)]: Done
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building tree 4 of 100
[Parallel(n jobs=1)]: Done
                                                             4 out of
                                                                                    4 | elapsed:
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building tree 5 of 100
[Parallel(n jobs=1)]: Done
                                                             5 out of
                                                                                    5 | elapsed:
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building tree 6 of 100
[Parallel(n_jobs=1)]: Done
                                                             6 out of
                                                                                    6 | elapsed:
                                                                                                                      2.3s remaining:
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building tree 7 of 100
[Parallel(n_jobs=1)]: Done
                                                             7 out of
                                                                                    7 | elapsed:
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building tree 8 of 100
[Parallel(n jobs=1)]: Done
                                                             8 out of
                                                                                    8 | elapsed:
                                                                                                                      3.1s remaining:
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huilding trac 0 of 100
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[Parallel(n_jobs=1)]: Done	9 (out of	9	elapsed:	3.5s	remaining:	0.0s
<pre>building tree 10 of 100 [Parallel(n_jobs=1)]: Done</pre>	10 (out of	10	elapsed:	3.9s	remaining:	0.0s
<pre>building tree 11 of 100 [Parallel(n_jobs=1)]: Done</pre>	11 (out of	11	elapsed:	4.3s	remaining:	0.0s
<pre>building tree 12 of 100 [Parallel(n_jobs=1)]: Done</pre>	12 (out of	12	elapsed:	4.7s	remaining:	0.0s
<pre>building tree 13 of 100 [Parallel(n_jobs=1)]: Done</pre>	13 (out of	13	elapsed:	5.1s	remaining:	0.0s
<pre>building tree 14 of 100 [Parallel(n_jobs=1)]: Done</pre>	14 (out of	14	elapsed:	5.4s	remaining:	0.0s
<pre>building tree 15 of 100 [Parallel(n_jobs=1)]: Done</pre>	15 (out of	15	elapsed:	5.8s	remaining:	0.0s
<pre>building tree 16 of 100 [Parallel(n_jobs=1)]: Done</pre>	16 0	out of	16	elapsed:	6.2s	remaining:	0.0s
<pre>building tree 17 of 100 [Parallel(n_jobs=1)]: Done</pre>	17 (out of	17	elapsed:	6.6s	remaining:	0.0s
<pre>building tree 18 of 100 [Parallel(n_jobs=1)]: Done</pre>	18 0	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 0	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
<pre>building tree 24 of 100 [Parallel(n_jobs=1)]: Done building tree 25 of 100</pre>	24 (out of	24	elapsed:	9.3s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 26 of 100	25 (out of	25	elapsed:	9.7s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 27 of 100	26 (out of	26	elapsed:	10.1s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 28 of 100	27 (out of	27	elapsed:	10.4s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 29 of 100	28 (out of	28	elapsed:	10.8s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 30 of 100	29 (out of	29	elapsed:	11.2s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 31 of 100	30 (out of	30	elapsed:	11.6s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 32 of 100	31 (out of	31	elapsed:	11.9s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 33 of 100	32 (out of	32	elapsed:	12.3s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 34 of 100	33 (out of	33	elapsed:	12.7s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 35 of 100	34 (out of	34	elapsed:	13.1s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 36 of 100	35 (out of	35	elapsed:	13.5s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 37 of 100	36 (out of	36	elapsed:	13.8s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 38 of 100	37 (out of	37	elapsed:	14.2s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 39 of 100	38 (out of	38	elapsed:	14.6s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 40 of 100	39 (out of	39	elapsed:	15.0s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 41 of 100	40 (out of	40	elapsed:	15.3s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 42 of 100	41 (out of	41	elapsed:	15.7s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 43 of 100	42 (out of	42	elapsed:	16.1s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 44 of 100	43 (out of	43	elapsed:	16.5s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 45 of 100	44 (out of	44	elapsed:	16.9s	remaining:	0.0s

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[Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed:
                                                      17.2s remaining:
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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:
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building tree 48 of 100
[Parallel(n jobs=1)]: Done 48 out of 48 | elapsed:
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                                                      18.4s remaining:
building tree 49 of 100
[Parallel(n jobs=1)]: Done 49 out of 49 | elapsed: 18.8s remaining:
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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:
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[Parallel(n_jobs=1)]: Done 5 out of
                                                     0.3s remaining:
                                      5 | elapsed:
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[Parallel(n_jobs=1)]: Done 6 out of
                                                      0.4s remaining:
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[Parallel(n jobs=1)]: Done 7 out of

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[Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining:
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[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: 1.3s 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 22 | 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 25 out of 25 | elapsed: 1.7s remaining: 0.0s [Parallel(n_jobs=1)]: Done 25 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: 2.2s remaining: 0.0s [Parallel(n_jobs=1)]: Done 33 out of 33 | 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 33 out of 34 | elapsed: 2.4s remaining: 0.0s [Parallel(n_jobs=1)]: Done 35 out of 36 | 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: 2.4s remaining: 0.0s [Parallel(n_jobs=1)]: Done 40 out of 40 | 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 40 out of 40 | elapsed: 2.4s remaining: 0.0s [Parallel(n_jobs=1)]: Done 40 
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    [Parallel(n jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining:
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   [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed: 6.7s finished
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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: 0.2s remaining: [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.4s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 2.1s remaining:
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    [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.3s remaining:
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 [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 3.4s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 3.5s remaining:
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[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 3.6s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 3.8s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 3.9s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 4.0s remaining:
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                                                                                                                                 0.0s
                                                                                                                                0.0s
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                                                                                                                                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 41 out of 41 | elapsed: 5.3s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 5.4s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 5.5s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 5.7s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 5.8s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 5.9s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 6.0s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 6.2s remaining:
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[Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 6.2s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.3s remaining:
                                                                                                                                 0.0s
                                                                                                                                 0.0s
[Parallel(n jobs=1)]: Done 100 out of 100 | elapsed: 12.7s finished
\label{lem:concurrent} \end{substitute} \end{substitute
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
                                                  2 out of
                                                                     2 | elapsed: 0.9s remaining:
[Parallel(n jobs=1)]: Done
                                                                                                                                  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
                                                                     5 | elapsed: 2.2s remaining:
[Parallel(n jobs=1)]: Done
                                                  5 out of
                                                                                                                                  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 | elapsed: 3.5s remaining:
                                                  8 out of
                                                                                                                                  0.0s
building tree 9 of 100
                                                 9 out of 9 | elapsed: 3.9s remaining:
                                                                                                                                  0.0s
[Parallel(n jobs=1)]: Done
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
                                                11 out of 11 | elapsed: 4.8s remaining:
                                                                                                                                  0.0s
[Parallel(n jobs=1)]: Done
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
                                                                                               7.0s remaining:
[Parallel(n jobs=1)]: Done 16 out of 16 | elapsed:
                                                                                                                                 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
                                               19 out of 19 | elapsed:
                                                                                              8.3s remaining:
[Parallel(n jobs=1)]: Done
                                                                                                                                 0.0s
building tree 20 of 100
                                                20 out of 20 | elapsed: 8.7s remaining:
                                                                                                                                  0.0s
[Parallel(n jobs=1)]: Done
building tree 21 of 100
                                                21 out of 21 | elapsed: 9.1s remaining:
[Parallel(n_jobs=1)]: Done
                                                                                                                                 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:
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building tree 24 of 100
[Daralla] (n inhe=1) 1. Dona 21 out of 21 | alancad.
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<pre>building tree 25 of 100 [Parallel(n jobs=1)]: Done</pre>	25 01	ut of	25 L	elapsed:	10.8s	remaining:	0.0s
building tree 26 of 100 [Parallel(n jobs=1)]: Done		ut of		elapsed:		remaining:	0.0s
building tree 27 of 100				_		2	
<pre>[Parallel(n_jobs=1)]: Done building tree 28 of 100</pre>	27 01	ut of	27	elapsed:	11.7s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 29 of 100</pre>	28 01	ut of	28	elapsed:	12.2s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 30 of 100	29 01	ut of	29	elapsed:	12.6s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	30 01	ut of	30	elapsed:	13.0s	remaining:	0.0s
<pre>building tree 31 of 100 [Parallel(n_jobs=1)]: Done</pre>	31 01	ut of	31	elapsed:	13.5s	remaining:	0.0s
<pre>building tree 32 of 100 [Parallel(n jobs=1)]: Done</pre>	32 01	ut of	32	elapsed:	13.9s	remaining:	0.0s
building tree 33 of 100 [Parallel(n jobs=1)]: Done	33 01	ut of	33 L	elapsed:	14.4s	remaining:	0.0s
building tree 34 of 100 [Parallel(n jobs=1)]: Done		ut of		elapsed:		remaining:	0.0s
building tree 35 of 100				_		_	
<pre>[Parallel(n_jobs=1)]: Done building tree 36 of 100</pre>		ut of		elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 37 of 100</pre>	36 01	ut of	36	elapsed:	15.7s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 38 of 100</pre>	37 01	ut of	37	elapsed:	16.1s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 39 of 100	38 01	ut of	38	elapsed:	16.6s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	39 01	ut of	39	elapsed:	17.0s	remaining:	0.0s
<pre>building tree 40 of 100 [Parallel(n_jobs=1)]: Done</pre>	40 01	ut of	40	elapsed:	17.5s	remaining:	0.0s
<pre>building tree 41 of 100 [Parallel(n_jobs=1)]: Done</pre>	41 01	ut of	41	elapsed:	18.0s	remaining:	0.0s
<pre>building tree 42 of 100 [Parallel(n_jobs=1)]: Done</pre>	42 01	ut of	42	elapsed:	18.5s	remaining:	0.0s
<pre>building tree 43 of 100 [Parallel(n jobs=1)]: Done</pre>	43 01	ut of	43	elapsed:	18.9s	remaining:	0.0s
building tree 44 of 100 [Parallel(n jobs=1)]: Done	44 01	ut of	44	elapsed:	19.3s	remaining:	0.0s
building tree 45 of 100 [Parallel(n jobs=1)]: Done		ut of		elapsed:		remaining:	0.0s
building tree 46 of 100				-		_	
[Parallel(n_jobs=1)]: Done building tree 47 of 100		ut of		elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 48 of 100</pre>				elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 49 of 100</pre>	48 01	ut of	48	elapsed:	21.1s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 50 of 100</pre>	49 01	ut of	49	elapsed:	21.5s	remaining:	0.0s
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							
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building tree 72 of 100
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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: 44.2s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
es not provide shared memory semantics.
\label{lem:concurrent} \end{substitute} \end{substitute
1 | elapsed: 0.1s remaining:
                                                                        2 | elapsed:
                                                                                                   0.1s remaining:
                                                                                                                                        0.0s
                                                                       3 | elapsed: 0.2s remaining: 4 | elapsed: 0.3s remaining: 5 | elapsed: 0.3s remaining:
4 | elapsed:
[Parallel(n_jobs=1)]: Done 5 out of
                                                                                                                                       0.0s
[Parallel(n_jobs=1)]: Done 6 out of
                                                                      6 | elapsed: 0.4s remaining:
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[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:
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[Parallel(n jobs=1)]: Done 10 out of 10 | elapsed: 0.7s remaining:
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[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:
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[Parallel(n jobs=1)]: Done 14 out of 14 | elapsed: 0.9s remaining:
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[Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.0s remaining:
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[Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.1s remaining:
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[Parallel(n jobs=1)]: Done 17 out of 17 | elapsed: 1.1s remaining:
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[Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.3s remaining:
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[Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 1.6s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 1.7s remaining:
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[Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 1.7s remaining:
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[Parallel(n jobs=1)]: Done 27 out of 27 | elapsed: 1.8s remaining:
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[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 1.9s remaining:
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[Parallel(n jobs=1)]: Done 29 out of 29 | elapsed: 2.0s remaining:
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[Parallel(n jobs=1)]: Done 30 out of 30 | elapsed: 2.0s remaining:
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[Parallel(n jobs=1)]: Done 31 out of 31 | elapsed: 2.1s remaining:
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[Parallel(n jobs=1)]: Done 32 out of 32 | elapsed: 2.2s remaining:
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[Parallel(n jobs=1)]: Done 33 out of 33 | elapsed:
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[Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 2.3s remaining:
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[Parallel(n jobs=1)]: Done 35 out of 35 | elapsed:
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[Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed:
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[Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed:

[Parallel(n jobs=1)]: Done 38 out of 38 | elapsed:

[Daralla] (n inhe=1) 1. Dona 30 out of 30 | alancad.

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[Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 3.3s remaining:
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 [Parallel(n jobs=1)]: Done 48 out of 48 | elapsed: 3.3s remaining:
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[Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed: 6.8s finished
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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.
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 [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 1.3s remaining:
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 [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.4s remaining:
 [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:
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[Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 3.4s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 3.7s remaining: [Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 3.7s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 3.8s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 3.9s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 3.9s remaining:
 [Parallel(n jobs=1)]: Done 14 out of 14 | elapsed: 1.8s remaining:
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 [Parallel(n jobs=1)]: Done 30 out of 30 | elapsed: 3.9s remaining:
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 [Parallel(n jobs=1)]: Done 31 out of 31 | elapsed: 4.0s remaining:
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 [Parallel(n jobs=1)]: Done 32 out of 32 | elapsed: 4.2s remaining:
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[Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 4.3s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 4.4s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 4.6s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 4.7s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 4.8s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 4.9s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 5.1s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 5.2s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 5.3s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 5.5s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 5.6s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 5.7s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 5.9s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 6.0s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 6.1s remaining:
 [Parallel(n jobs=1)]: Done 33 out of 33 | elapsed: 4.3s remaining:
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 [Parallel(n jobs=1)]: Done 47 out of 47 | elapsed: 6.1s remaining:
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 [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 6.2s remaining: [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:
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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:
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huilding trae / of 110
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[Parallel(n_jobs=1)]: Done	4	out	of	4		elapsed:	1.8s	remaining:	0.0s
<pre>building tree 5 of 110 [Parallel(n_jobs=1)]: Done</pre>	5	out	of	5		elapsed:	2.2s	remaining:	0.0s
<pre>building tree 6 of 110 [Parallel(n_jobs=1)]: Done</pre>	6	out	of	6		elapsed:	2.6s	remaining:	0.0s
<pre>building tree 7 of 110 [Parallel(n_jobs=1)]: Done</pre>	7	out	of	7	l	elapsed:	3.1s	remaining:	0.0s
<pre>building tree 8 of 110 [Parallel(n_jobs=1)]: Done</pre>	8	out	of	8	l	elapsed:	3.5s	remaining:	0.0s
<pre>building tree 9 of 110 [Parallel(n jobs=1)]: Done</pre>	9	out	of	9		elapsed:	3.9s	remaining:	0.0s
<pre>building tree 10 of 110 [Parallel(n jobs=1)]: Done</pre>	10	out	of	10		elapsed:	4.4s	remaining:	0.0s
<pre>building tree 11 of 110 [Parallel(n jobs=1)]: Done</pre>	11	out	of	11	l	elapsed:	4.8s	remaining:	0.0s
<pre>building tree 12 of 110 [Parallel(n jobs=1)]: Done</pre>	12	out	of	12		elapsed:	5.2s	remaining:	0.0s
<pre>building tree 13 of 110 [Parallel(n jobs=1)]: Done</pre>	13	out	of	13	l	elapsed:	5.7s	remaining:	0.0s
building tree 14 of 110 [Parallel(n jobs=1)]: Done	14	out	of	14	l	elapsed:	6.1s	remaining:	0.0s
building tree 15 of 110 [Parallel(n jobs=1)]: Done	15	out	of	15	l	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		out				elapsed:		remaining:	0.0s
building tree 37 of 110 [Parallel(n_jobs=1)]: Done		out				elapsed:		remaining:	0.0s
building tree 38 of 110 [Parallel(n jobs=1)]: Done		out				elapsed:		remaining:	0.0s
building tree 39 of 110 [Parallel(n jobs=1)]: Done		out				elapsed:		remaining:	0.0s
huilding tree 10 of 110	-			- 1		<u> </u>		5 *	

[Parallel(n jobs=1)]: Done	40 out of	40 elapsed:	17.7s remaining:	0.0s
building tree 41 of 110	40 Out OI	40 Clapsca:	ir. rs remaining.	0.05
[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
<pre>building tree 44 of 110 [Parallel(n jobs=1)]: Done</pre>	44 out of	44 elapsed:	19.5s remaining:	0.0s
building tree 45 of 110	44 Out OI	44 elapsed:	19.35 TellaIIIIII.	0.05
[Parallel(n jobs=1)]: Done	45 out of	45 elapsed:	19.9s remaining:	0.0s
building tree 46 of 110		10 0 0 0 0 0 0 0 0 0		
[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	10 out of	10 olangod.	21 20 nomaining.	0 0 0
<pre>[Parallel(n_jobs=1)]: Done building tree 49 of 110</pre>	48 out of	48 elapsed:	21.3s remaining:	0.0s
[Parallel(n jobs=1)]: Done	49 out of	49 elapsed:	21.7s remaining:	0.0s
building tree 50 of 110		10 1 0 10 10 10 10 10 10 10 10 10 10 10		
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 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				

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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: 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: [Parallel(n_jobs=1)]: Done 2 out of 2 | elapsed: 0.1s remaining: [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.4s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 0.6s remaining:
                                                                                                                                                   0.0s
[Parallel(n_jobs=1)]: Done 2 out of 2 | elapsed: 0.1s remaining: [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.4s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.7s remaining:
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[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: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 1.6s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.6s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 29 out of 30 | elapsed: 2.0s remaining:
[Parallel(n jobs=1)]: Done 17 out of 17 | elapsed: 1.1s remaining:
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[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 37 out of 37 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 3.1s remaining:
                                                                                                                                                   0.0s
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[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: [Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed: 7.3s finished
                                                                                                                                                   0.0s
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:
[Parallel(n_jobs=1)]: Done 2 out of
                                                                              2 | elapsed:
                                                                                                           0.2s remaining:
[Parallel(n jobs=1)]: Done 3 out of
                                                                            3 | elapsed: 0.4s remaining:
                                                                           4 | elapsed: 0.5s remaining: 5 | elapsed: 0.6s remaining: 6 | elapsed: 0.7s remaining: 7 | elapsed: 0.9s remaining:
[Parallel(n_jobs=1)]: Done 4 out of
                                                                                                                                                0.0s
[Parallel(n_jobs=1)]: Done 5 out of
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[Parallel(n_jobs=1)]: Done 6 out of [Parallel(n_jobs=1)]: Done 7 out of
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[Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.4s remaining:
                                                                                                                            0.0s
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 [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: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 2.4s remaining:
                                                                                                                          0.0s
[Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 3.4s remaining: [Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 3.5s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 3.7s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 3.8s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 3.9s remaining:
                                                                                                                           0.0s
                                                                                                                           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: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 4.7s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 4.8s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 4.9s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 5.1s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 5.2s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 5.3s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 5.4s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 5.6s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 5.7s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 5.8s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 6.0s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 6.1s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.2s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.2s remaining:
 [Parallel(n jobs=1)]: Done 36 out of 36 | elapsed: 4.6s remaining:
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                                                                                                                           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
                                                7 out of
 [Parallel(n jobs=1)]: Done
                                                                  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
                                                9 out of
                                                               9 | elapsed:
                                                                                          3.9s remaining:
 [Parallel(n jobs=1)]: Done
                                                                                                                            0.0s
building tree 10 of 110
                                             10 out of 10 | elapsed: 4.3s remaining:
                                                                                                                            0.0s
 [Parallel(n jobs=1)]: Done
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:
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building tree 14 of 110
 [Daralla] (n johe=1) 1. Dona 1/ out of 1/ I alanced.
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<pre>building tree 15 of 110 [Parallel(n_jobs=1)]: Done</pre>	15 out of	15 elapsed:	6.5s remaining:	0.0s
<pre>building tree 16 of 110 [Parallel(n jobs=1)]: Done</pre>	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		_	_	
<pre>[Parallel(n_jobs=1)]: Done building tree 19 of 110</pre>	18 out of	18 elapsed:	7.8s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 20 of 110</pre>	19 out of	19 elapsed:	8.2s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 21 of 110	20 out of	20 elapsed:	8.7s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	21 out of	21 elapsed:	9.1s remaining:	0.0s
<pre>building tree 22 of 110 [Parallel(n_jobs=1)]: Done</pre>	22 out of	22 elapsed:	9.5s remaining:	0.0s
<pre>building tree 23 of 110 [Parallel(n jobs=1)]: Done</pre>	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		_	-	
<pre>[Parallel(n_jobs=1)]: Done building tree 27 of 110</pre>	26 out of	26 elapsed:	11.3s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 28 of 110</pre>	27 out of	27 elapsed:	11.7s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 29 of 110	28 out of	28 elapsed:	12.1s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	29 out of	29 elapsed:	12.6s remaining:	0.0s
<pre>building tree 30 of 110 [Parallel(n_jobs=1)]: Done</pre>	30 out of	30 elapsed:	13.1s remaining:	0.0s
<pre>building tree 31 of 110 [Parallel(n jobs=1)]: Done</pre>	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			14.4s remaining:	0.0s
building tree 34 of 110				
<pre>[Parallel(n_jobs=1)]: Done building tree 35 of 110</pre>		34 elapsed:	14.9s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 36 of 110</pre>	35 out of	35 elapsed:	15.3s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 37 of 110</pre>	36 out of	36 elapsed:	15.8s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	37 out of	37 elapsed:	16.2s remaining:	0.0s
<pre>building tree 38 of 110 [Parallel(n_jobs=1)]: Done</pre>	38 out of	38 elapsed:	16.7s remaining:	0.0s
<pre>building tree 39 of 110 [Parallel(n_jobs=1)]: Done</pre>	39 out of	39 elapsed:	17.1s remaining:	0.0s
<pre>building tree 40 of 110 [Parallel(n jobs=1)]: Done</pre>	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		_	_	
<pre>[Parallel(n_jobs=1)]: Done building tree 43 of 110</pre>	42 out of	42 elapsed:	18.5s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 44 of 110</pre>	43 out of	43 elapsed:	19.0s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 45 of 110</pre>	44 out of	44 elapsed:	19.4s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 46 of 110	45 out of	45 elapsed:	19.8s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	46 out of	46 elapsed:	20.3s remaining:	0.0s
<pre>building tree 47 of 110 [Parallel(n_jobs=1)]: Done</pre>	47 out of	47 elapsed:	20.7s remaining:	0.0s
<pre>building tree 48 of 110 [Parallel(n jobs=1)]: Done</pre>	48 out of	48 elapsed:	21.1s remaining:	0.0s
building tree 49 of 110 [Parallel(n jobs=1)]: Done	49 out of	_	21.6s remaining:	0.0s
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building tree 106 of 110
building tree 107 of 110
building tree 108 of 110
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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:
[Parallel(n jobs=1)]: Done 3 out of
                                        3 | elapsed:
                                                       0.2s remaining:
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[Parallel(n jobs=1)]: Done 4 out of
                                       4 | elapsed:
                                                       0.2s remaining:
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[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:
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                                        8 | elapsed:
                                                       0.5s remaining:
[Parallel(n jobs=1)]: Done
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| 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: 0.8s remaining: 0.0s | Parallel(n jobs=1)|: Done 15 out of 17 | elapsed: 0.8s remaining: 0.0s | Parallel(n jobs=1)|: Done 15 out of 17 | 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 18 out of 18 | 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: 1.1s 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: 1.3s 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 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 28 out of 27 | elapsed: 1.5s remaining: 0.0s | Parallel(n jobs=1)|: Done 28 out of 28 | elapsed: 1.5s 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 31 out of 31 | elapsed: 2.2s remaining: 0.0s | Parallel(n jobs=1)|: Done 33 out of 35 | 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 40 out of 40 | elapsed: 2.2s remaining: 0.0s | 
    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:
   [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.1s remaining:
      [Parallel(n jobs=1)]: Done 3 out of 3 | elapsed: 0.3s remaining:
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   [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 27 out of 27 | elapsed: 3.2s remaining: 0.0s
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[Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed:
                                                         3.5s remaining:
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[Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed:
                                                         3.6s remaining:
                                                                             0.0s
                                                         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:
                                                                             0.0s
                                                        4.1s remaining:
[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
                                                        4.8s remaining:
[Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed:
                                                                             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: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed:
                                                        5.3s remaining:
                                                                             0.0s
                                                        5.4s remaining:
                                                                             0.0s
                                                        5.5s remaining:
                                                                             0.0s
[Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed:
                                                         5.6s remaining:
                                                                             0.0s
                                                      5.8s remaining: 5.9s remaining:
[Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed:
                                                                             0.0s
[Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed:
                                                                             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
                             2 out of
                                         2 | elapsed: 0.7s remaining:
                                                                             0.0s
[Parallel(n jobs=1)]: Done
building tree 3 of 110
                                         3 | elapsed: 1.1s remaining:
[Parallel(n_jobs=1)]: Done
                             3 out of
                                                                             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
                                                         4.5s remaining:
[Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed:
                                                                             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
                                                         5.3s remaining:
[Parallel(n_jobs=1)]: Done
                           14 out of 14 | elapsed:
                                                                             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
                            19 out of 19 | elapsed:
                                                        7.2s remaining:
[Parallel(n jobs=1)]: Done
                                                                             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
                            22 out of 22 | elapsed:
                                                         8.3s remaining:
[Parallel(n_jobs=1)]: Done
                                                                             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
huilding tree 25 of 110
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[Parallel(n_jobs=1)]: Done	25 out of	25 elapsed:	9.5s remaining:	0.0s
<pre>building tree 26 of 110 [Parallel(n_jobs=1)]: Done</pre>	26 out of	26 elapsed:	9.8s remaining:	0.0s
<pre>building tree 27 of 110 [Parallel(n_jobs=1)]: Done</pre>	27 out of	27 elapsed:	10.2s remaining:	0.0s
<pre>building tree 28 of 110 [Parallel(n jobs=1)]: Done</pre>	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		_	11.7s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 32 of 110	31 out of	31 elapsed:	-	
[Parallel(n_jobs=1)]: Done building tree 33 of 110	32 out of	32 elapsed:	12.1s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 34 of 110</pre>	33 out of	33 elapsed:	12.5s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 35 of 110</pre>	34 out of	34 elapsed:	12.9s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 36 of 110	35 out of	35 elapsed:	13.2s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 37 of 110	36 out of	36 elapsed:	13.6s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	37 out of	37 elapsed:	14.0s remaining:	0.0s
<pre>building tree 38 of 110 [Parallel(n_jobs=1)]: Done</pre>	38 out of	38 elapsed:	14.4s remaining:	0.0s
<pre>building tree 39 of 110 [Parallel(n_jobs=1)]: Done</pre>	39 out of	39 elapsed:	14.8s remaining:	0.0s
<pre>building tree 40 of 110 [Parallel(n jobs=1)]: Done</pre>	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 building tree 44 of 110	43 out of	43 elapsed:	16.3s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 45 of 110		44 elapsed:	16.7s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 46 of 110	45 out of	45 elapsed:	17.2s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 47 of 110</pre>	46 out of	46 elapsed:	17.6s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 48 of 110	47 out of	47 elapsed:	18.0s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 49 of 110	48 out of	48 elapsed:	18.4s remaining:	0.0s
[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				
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building tree 72 of 110				

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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:
                                                                                            0.4s remaining:
[Parallel(n_jobs=1)]: Done 6 out of
                                                                 6 | elapsed:
                                                                                                                             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: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 17 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 17 | elapsed: 18 | elapsed: 19 | elaps
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[Parallel(n jobs=1)]: Done 20 out of 20 | elapsed:
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[Parallel(n jobs=1)]: Done 22 out of 22 | elapsed:
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[Parallel(n jobs=1)]: Done 23 out of 23 | elapsed:
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[Parallel(n jobs=1)]: Done 24 out of 24 | elapsed:
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[Parallel(n jobs=1)]: Done 25 out of 25 | elapsed:
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[Parallel(n jobs=1)]: Done 26 out of 26 | elapsed:
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[Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed:
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[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed:
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[Parallel(n jobs=1)]: Done 29 out of

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[Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 33 out of 32 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.8s finished Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend
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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: 0.2s 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: 0.5s 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: 0.6s remaining: 0.0s [Parallel(n jobs=1)]: Done 7 out of 7 | elapsed: 0.6s 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: 0.9s remaining: 0.0s [Parallel(n jobs=1)]: Done 10 out of 10 | elapsed: 1.2s 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: 1.2s 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: 1.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 15 out of 15 | elapsed: 1.6s remaining: 0.0s [Parallel(n jobs=1)]: Done 16 out of 16 | elapsed: 1.9s remaining: 0.0s [Parallel(n jobs=1)]: Done 16 out of 17 | elapsed: 2.0s remaining: 0.0s [Parallel(n jobs=1)]: Done 18 out of 18 | elapsed: 2.5s 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: 2.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 21 out of 22 | elapsed: 2.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 23 out of 23 | elapsed: 3.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 24 out of 25 | elapsed: 3.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 3.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 3.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 3.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 30 out of 31
     [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 38 out of 38 | elapsed: 4.5s remaining:
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     [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 4.6s remaining:
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     [Parallel(n jobs=1)]: Done 40 out of 40 | elapsed: 4.7s remaining:
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   [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 48 out of 48 | elapsed: 5.7s remaining: 0.0s [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 5.8s remaining: 0.0s
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[Parallel(n jobs=1)]:									remarming. finished	U. US
[Parallel(n jobs=1)]:										workers.
<pre>building tree 1 of 90 [Parallel(n_jobs=1)]:</pre>		1	out	of	1		elapsed:	0.4s	remaining:	0.0s
<pre>building tree 2 of 90 [Parallel(n_jobs=1)]:</pre>	Done	2	out	of	2		elapsed:	0.8s	remaining:	0.0s
<pre>building tree 3 of 90 [Parallel(n_jobs=1)]:</pre>	Done	3	out	of	3		elapsed:	1.2s	remaining:	0.0s
<pre>building tree 4 of 90 [Parallel(n_jobs=1)]:</pre>	Done	4	out	of	4		elapsed:	1.5s	remaining:	0.0s
<pre>building tree 5 of 90 [Parallel(n_jobs=1)]:</pre>	Done	5	out	of	5		elapsed:	1.9s	remaining:	0.0s
<pre>building tree 6 of 90 [Parallel(n_jobs=1)]:</pre>	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
<pre>building tree 8 of 90 [Parallel(n_jobs=1)]: building tree 9 of 90</pre>	Done	8	out	of	8		elapsed:	3.0s	remaining:	0.0s
[Parallel(n_jobs=1)]: building tree 10 of 9	Done	9	out	of	9		elapsed:	3.4s	remaining:	0.0s
[Parallel(n_jobs=1)]: building tree 11 of 9	Done	10	out	of	10		elapsed:	3.8s	remaining:	0.0s
[Parallel(n_jobs=1)]: building tree 12 of 9	Done	11	out	of	11		elapsed:	4.2s	remaining:	0.0s
[Parallel(n_jobs=1)]: building tree 13 of 9	Done	12	out	of	12		elapsed:	4.5s	remaining:	0.0s
[Parallel(n_jobs=1)]: building tree 14 of 9	Done	13	out	of	13		elapsed:	4.9s	remaining:	0.0s
[Parallel(n_jobs=1)]: building tree 15 of 9	Done	14	out	of	14		elapsed:	5.3s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 16 of 9</pre>	Done	15	out	of	15		elapsed:	5.7s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 17 of 9</pre>	Done	16	out	of	16		elapsed:	6.0s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 18 of 9</pre>	Done	17	out	of	17		elapsed:	6.4s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 19 of 9</pre>		18	out	of	18		elapsed:	6.8s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 20 of 9</pre>	Done	19	out	of	19		elapsed:	7.2s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 21 of 9</pre>		20	out	of	20		elapsed:	7.6s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 22 of 9</pre>		21	out	of	21		elapsed:	7.9s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 23 of 9</pre>		22	out	of	22		elapsed:	8.3s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 24 of 9</pre>		23	out	of	23		elapsed:	8.7s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 25 of 9</pre>		24	out	of	24		elapsed:	9.1s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 26 of 9</pre>		25	out	of	25		elapsed:	9.5s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 27 of 9</pre>		26	out	of	26		elapsed:	9.9s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 28 of 9</pre>	0		out				elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 29 of 9</pre>	0		out				elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 30 of 9</pre>	0						elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 31 of 9</pre>	0						elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: building tree 32 of 9	0						elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: building tree 33 of 9	0		out				elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 34 of 9</pre>	0		out				elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: building tree 35 of 9</pre>		34	out	of	34		elapsed:	12.9s	remaining:	0.0s
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[Parallel(n jobs=1)]: Done 36 out of 36 | elapsed: 13.6s remaining:
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[Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 14.0s remaining:
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[Parallel(n jobs=1)]: Done 38 out of 38 | elapsed: 14.4s remaining:
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[Parallel(n jobs=1)]: Done 39 out of 39 | elapsed: 14.7s remaining:
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building tree 40 of 90
[Parallel(n jobs=1)]: Done 40 out of 40 | elapsed: 15.1s remaining:
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building tree 41 of 90
[Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 15.5s remaining:
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building tree 42 of 90
[Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 15.9s remaining:
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building tree 43 of 90
[Parallel(n jobs=1)]: Done 43 out of 43 | elapsed: 16.2s remaining:
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[Parallel(n jobs=1)]: Done 44 out of 44 | elapsed: 16.6s remaining:
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[Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 17.0s remaining:
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[Parallel(n jobs=1)]: Done 46 out of 46 | elapsed: 17.3s remaining:
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[Parallel(n jobs=1)]: Done 47 out of 47 | elapsed: 17.7s remaining:
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[Parallel(n jobs=1)]: Done 48 out of 48 | elapsed: 18.1s remaining:
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[Parallel(n jobs=1)]: Done 49 out of 49 | elapsed: 18.5s remaining:
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[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
as not provide chared memory comentics
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es not brosine snared memory semantices.
   [Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
   [Parallel(n_jobs=1)]: Done 1 out of 1 | elapsed: 0.1s remaining:
   [Parallel(n_jobs=1)]: Done 2 out of
                                                                                                                                                                                              2 | elapsed: 0.1s remaining:
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[Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.4s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 19 out of 20 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 20 out of 21 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 23 out of 24 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed:
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[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 32 | elapsed: 1.9s 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: 2.0s remaining: 0.0s [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 2.2s remaining: 0.0s [Parallel(n_jobs=1)]: Done 36 out of 37 | 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 39 out of 39 | elapsed: 2.3s remaining: 0.0s [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.3s remaining: 0.0s [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 40 out of 41 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 40 out of 41 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 48 out of 49 | 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 49 
   [Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 1.5s remaining:
                                                                                                                                                                                                                                                                                                                                                             0.0s
  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: [Parallel(n_jobs=1)]: Done 2 out of 2 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.4s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.8s remaining:
                                                                                                                                                                                                                                                                                                                                                                   0.0s
                                                                                                                                                                                                                                                                                                                                                                  0.0s
                                                                                                                                                                                                                                                                                                                                                                  0.0s
                                                                                                                                                                                                                                                                                                                                                              0.0s
                                                                                                                                                                                                                                                                                                                                                             0.0s
                                                                                                                                                                                                                                                                                                                                                             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 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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[rararrer/m_lons_r/]. Dome to our or
                                          то І стаћоса.
                                                             Z.IS IEMAINING.
                                                                                  0.00
[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: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed:
                                                             2.4s remaining:
                                                                                  0.0s
                                                             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
                                          30 | elapsed:
[Parallel(n_jobs=1)]: Done 30 out of
                                                            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 32 out of 32 | elapsed:
[Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed:
[Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed:
[Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed:
[Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed:
[Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed:
[Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed:
[Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed:
[Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed:
                                                            4.0s remaining:
                                                                                  0.0s
                                                             4.1s remaining:
                                                                                  0.0s
                                                             4.3s remaining:
                                                                                  0.0s
                                                            4.4s remaining:
                                                                                  0.0s
                                                             4.5s remaining:
                                                                                  0.0s
                                                             4.6s remaining:
                                                                                  0.0s
                                                            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
                                                            5.9s remaining:
[Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed:
                                                                                  0.0s
[Parallel(n jobs=1)]: Done 49 out of 49 | elapsed:
                                                            6.0s remaining:
                                                                                  0.0s
                                                          11.0s finished
[Parallel(n jobs=1)]: Done 90 out of 90 | elapsed:
[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
                                                             3.3s remaining:
[Parallel(n_jobs=1)]: Done
                                7 out of
                                            7 | elapsed:
                                                                                  0.0s
building tree 8 of 90
[Parallel(n_jobs=1)]: Done
                                8 out of
                                                             3.8s remaining:
                                                                                  0.0s
                                            8 | elapsed:
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
                              17 out of 17 | elapsed:
[Parallel(n_jobs=1)]: Done
                                                             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
huilding tree 20 of an
```

Danallal (n. daha-1) la Dana	20	٠.	20 1	alamaad.	0.7-		0 0-
[Parallel(n_jobs=1)]: Done building tree 21 of 90	20 out			elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 22 of 90</pre>	21 out	of	21	elapsed:	10.2s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	22 out	of	22	elapsed:	10.6s	remaining:	0.0s
<pre>building tree 23 of 90 [Parallel(n_jobs=1)]: Done</pre>	23 out	of	23	elapsed:	11.2s	remaining:	0.0s
<pre>building tree 24 of 90 [Parallel(n jobs=1)]: Done</pre>	24 out	of	24	elapsed:	11 7s	remaining:	0.0s
building tree 25 of 90				_		_	
<pre>[Parallel(n_jobs=1)]: Done building tree 26 of 90</pre>	25 out	of	25	elapsed:	12.2s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 27 of 90	26 out	of	26	elapsed:	12.7s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	27 out	of	27	elapsed:	13.2s	remaining:	0.0s
<pre>building tree 28 of 90 [Parallel(n jobs=1)]: Done</pre>	28 out	of	28	elapsed:	13.7s	remaining:	0.0s
building tree 29 of 90				_		_	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 30 of 90</pre>	29 out	OI	29	elapsed:		remaining:	
<pre>[Parallel(n_jobs=1)]: Done building tree 31 of 90</pre>	30 out	of	30	elapsed:	14.7s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	31 out	of	31	elapsed:	15.3s	remaining:	0.0s
<pre>building tree 32 of 90 [Parallel(n_jobs=1)]: Done</pre>	32 out	of	32	elapsed:	15.7s	remaining:	0.0s
<pre>building tree 33 of 90 [Parallel(n jobs=1)]: Done</pre>	33 out	of	33	elapsed:	16.2s	remaining:	0.0s
building tree 34 of 90						_	
<pre>[Parallel(n_jobs=1)]: Done building tree 35 of 90</pre>	34 out	οİ	34	elapsed:	16.7s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 36 of 90</pre>	35 out	of	35	elapsed:	17.2s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	36 out	of	36	elapsed:	17.7s	remaining:	0.0s
<pre>building tree 37 of 90 [Parallel(n jobs=1)]: Done</pre>	37 out	of	37	elapsed:	18.2s	remaining:	0.0s
<pre>building tree 38 of 90 [Parallel(n jobs=1)]: Done</pre>	38 out	of	38 I	elapsed:	18.6s	remaining:	0.0s
building tree 39 of 90				_		_	
<pre>[Parallel(n_jobs=1)]: Done building tree 40 of 90</pre>	39 out	of	39	elapsed:	19.1s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 41 of 90</pre>	40 out	of	40	elapsed:	19.5s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	41 out	of	41	elapsed:	20.0s	remaining:	0.0s
<pre>building tree 42 of 90 [Parallel(n_jobs=1)]: Done</pre>	42 out	of	42	elapsed:	20.4s	remaining:	0.0s
<pre>building tree 43 of 90 [Parallel(n jobs=1)]: Done</pre>	43 out	of	43	elapsed:	20 9s	remaining:	0.0s
building tree 44 of 90				_		_	
<pre>[Parallel(n_jobs=1)]: Done building tree 45 of 90</pre>	44 out	of	44	elapsed:	21.3s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 46 of 90</pre>	45 out	of	45	elapsed:	21.8s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	46 out	of	46	elapsed:	22.2s	remaining:	0.0s
<pre>building tree 47 of 90 [Parallel(n jobs=1)]: Done</pre>	47 out	of	47	elapsed:	22.7s	remaining:	0.0s
building tree 48 of 90 [Parallel(n jobs=1)]: Done	48 out	of	48 1	elapsed:	23 29	remaining:	0.0s
building tree 49 of 90				_		_	
<pre>[Parallel(n_jobs=1)]: Done building tree 50 of 90</pre>	49 out	of	49	elapsed:	23.7s	remaining:	0.0s
building tree 51 of 90 building tree 52 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							

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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
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building tree 82 of 90
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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:
                                2 out of
                                               2 | elapsed:
                                                                0.1s remaining:
[Parallel(n jobs=1)]: Done
                                                                                        0.0s
[Parallel(n_jobs=1)]: Done 3 out of [Parallel(n_jobs=1)]: Done 4 out of [Parallel(n_jobs=1)]: Done 5 out of
                                                              0.2s remaining:
0.3s remaining:
0.3s remaining:
                                              3 | elapsed:
                                                                                        0.0s
                                              4 | elapsed:
                                              5 | elapsed:
[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 19 out of 19 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 1.6s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 1.8s remaining:
                                                                                        0.0s
                                                                                        0.0s
                                                                                        0.0s
                                                                                        0.0s
                                                                                        0.0s
                                                                                        0.0s
                                                                                        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:
                                                                                        0.0s
                                                                2.0s remaining:
[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
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2.6s remaining:

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39 | elapsed:

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[Parallel(n jobs=1)]: Done 39 out of

[Daralla] /n inhe=111. Dona 10 out of

building tree 63 of 90

```
[Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 90 out of 90 | elapsed: 6.0s finished Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend
                                                                                                                                                                                                                                                                                                       U.UD
                                                                                                                                                                                                                                                                                                       0.0s
                                                                                                                                                                                                                                                                                                     0.0s
                                                                                                                                                                                                                                                                                                     0.0s
                                                                                                                                                                                                                                                                                                 0.0s
                                                                                                                                                                                                                                                                                                 0.0s
                                                                                                                                                                                                                                                                                                 0.0s
                                                                                                                                                                                                                                                                                                 0.0s
                                                                                                                                                                                                                                                                                                  0.0s
  Using ThreadingBackend as joblib. Parallel backend instead of LokyBackend as the latter do
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: 0.4s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.4s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 6 out of 6 | 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: 0.9s 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: 1.2s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.5s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 11 out of 11 | 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: 1.7s 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 17 | elapsed: 2.2s 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 19 | elapsed: 2.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 25 out of 26 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jobs
  es not provide shared memory semantics.
   [Parallel(n jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
 [Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 4.3s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 4.4s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 4.5s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 4.7s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 4.8s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 4.9s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 4.9s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 5.1s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 5.2s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 5.3s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 5.6s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 5.7s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 5.9s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 6.0s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 6.1s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 6.3s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 6.4s remaining:
   [Parallel(n jobs=1)]: Done 32 out of 32 | elapsed: 4.3s remaining:
                                                                                                                                                                                                                                                                                                 0.0s
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                                                                                                                                                                                                                                                                                                       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:
   [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
  [Daralla] /n inhe=111. Dona
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[rararrer/u_long_r/l. Done	٦	Out	ОΤ	ات	стаћоси.	1.∪0	remarning.	U.U3
<pre>building tree 5 of 90 [Parallel(n_jobs=1)]: Done</pre>	5	out	of	5	elapsed:	2.3s	remaining:	0.0s
<pre>building tree 6 of 90 [Parallel(n jobs=1)]: Done</pre>	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		out			elapsed:		remaining:	0.0s
building tree 9 of 90					_		_	
<pre>[Parallel(n_jobs=1)]: Done building tree 10 of 90</pre>	9	out	OI		elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 11 of 90	10	out	of	10	elapsed:	4.4s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 12 of 90</pre>	11	out	of	11	elapsed:	4.9s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 13 of 90	12	out	of	12	elapsed:	5.3s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	13	out	of	13	elapsed:	5.7s	remaining:	0.0s
<pre>building tree 14 of 90 [Parallel(n_jobs=1)]: Done</pre>	14	out	of	14	elapsed:	6.1s	remaining:	0.0s
<pre>building tree 15 of 90 [Parallel(n_jobs=1)]: Done</pre>	15	out	of	15	elapsed:	6.6s	remaining:	0.0s
<pre>building tree 16 of 90 [Parallel(n jobs=1)]: Done</pre>	16	out	of	16	elapsed:	7.0s	remaining:	0.0s
building tree 17 of 90 [Parallel(n jobs=1)]: Done	17	out	of	17 I	elapsed:	7.4s	remaining:	0.0s
building tree 18 of 90 [Parallel(n jobs=1)]: Done		out			elapsed:		remaining:	0.0s
building tree 19 of 90								
[Parallel(n_jobs=1)]: Done building tree 20 of 90		out			elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 21 of 90</pre>	20	out	of	20	elapsed:	8.8s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 22 of 90</pre>	21	out	of	21	elapsed:	9.2s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 23 of 90</pre>	22	out	of	22	elapsed:	9.7s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 24 of 90</pre>	23	out	of	23	elapsed:	10.1s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 25 of 90	24	out	of	24	elapsed:	10.5s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	25	out	of	25	elapsed:	11.0s	remaining:	0.0s
<pre>building tree 26 of 90 [Parallel(n_jobs=1)]: Done</pre>	26	out	of	26	elapsed:	11.5s	remaining:	0.0s
<pre>building tree 27 of 90 [Parallel(n_jobs=1)]: Done</pre>	27	out	of	27	elapsed:	11.9s	remaining:	0.0s
<pre>building tree 28 of 90 [Parallel(n jobs=1)]: Done</pre>	28	out	of	28	elapsed:	12.3s	remaining:	0.0s
building tree 29 of 90 [Parallel(n jobs=1)]: Done	29	out	of	29 I	elapsed:	12.8s	remaining:	0.0s
building tree 30 of 90 [Parallel(n jobs=1)]: Done		out			elapsed:		remaining:	0.0s
building tree 31 of 90					_		_	0.0s
[Parallel(n_jobs=1)]: Done building tree 32 of 90		out			elapsed:		remaining:	
[Parallel(n_jobs=1)]: Done building tree 33 of 90		out			elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 34 of 90	33	out	of	33	elapsed:	14.7s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 35 of 90</pre>	34	out	of	34	elapsed:	15.1s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 36 of 90</pre>	35	out	of	35	elapsed:	15.6s	remaining:	0.0s
[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
<pre>building tree 38 of 90 [Parallel(n_jobs=1)]: Done</pre>	38	out	of	38	elapsed:	16.9s	remaining:	0.0s
<pre>building tree 39 of 90 [Parallel(n_jobs=1)]: Done</pre>	39	out	of	39	elapsed:	17.3s	remaining:	0.0s
building tree 40 of 90 [Parallal(n jobs=1)]. Done	1 ∩	011±	∩f	⁄ 1∩ I	alancad.	17 Qc	romaining.	n ne

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fratatter/u_long_till. Done so one of so I erabser.
                                                     TI.OD TEMBATITING.
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
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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: 39.8s 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
                                                                         0.0s
                                      5 | elapsed: 0.3s remaining:
                                      6 | elapsed: 0.4s remaining: 7 | elapsed: 0.5s remaining:
[Parallel(n_jobs=1)]: Done 6 out of
                                                                         0.0s
[Parallel(n_jobs=1)]: Done 7 out of
                                                                         0.0s
                                      8 | elapsed: 0.5s remaining:
0 | elapsed: 0.6s remaining:
[Parallel(n_jobs=1)]: Done 8 out of
                                                                         0.0s
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[Daralla] /n inhe=111. Dona Q nut of

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| 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: 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 15 out of 17 | elapsed: 1.0s remaining: 0.0s | Parallel(n jobs=1)|: Done 16 out of 16 | 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 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: 1.3s remaining: 0.0s | Parallel(n jobs=1)|: Done 21 out of 21 | elapsed: 1.4s remaining: 0.0s | Parallel(n jobs=1)|: Done 23 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: 1.5s 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 26 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 28 out of 29 | elapsed: 1.7s remaining: 0.0s | Parallel(n jobs=1)|: Done 31 out of 31 | elapsed: 2.5s remaining: 0.0s | Parallel(n jobs=1)|: Done 31 out of 31 | elapsed: 2.5s remaining: 0.0s | Parallel(n jobs=1)|: Done 31 out of 31 | elapsed: 2.5s remaining: 0.0s | Parallel(n jobs=1)|: Done 33 out of 35 | elapsed: 2.5s remaining: 0.0s | Parallel(n jobs=1)|: Done 35 out of 35 | elapsed: 2.5s remaining: 0.0s | Parallel(n jobs=1)|: Done 40 out of 40 | elapsed: 2.5s remaining: 0.0s | 
   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:
 [Parallel(n jobs=1)]: Done 3 out of 3 | elapsed: 0.4s remaining:
                                                                                                                                                                                                                                                                                                                                0.0s
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                                                                                                                                                                                                                                                                                                                                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
                                                                                                                                                                                                                                                                                                                                0.0s
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[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: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed:
                                                        3.8s remaining:
                                                                           0.0s
                                                       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:
                                                                           0.0s
                                                       4.4s remaining:
[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
                                                       5.2s remaining:
[Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed:
                                                                           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: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed:
                                                       5.8s remaining:
                                                                           0.0s
                                                       5.9s remaining:
                                                                           0.0s
[Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed:
                                                       6.1s remaining:
                                                                           0.0s
                                                     6.2s remaining:
[Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed:
                                                                           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
                             2 out of
                                        2 | elapsed: 0.9s remaining:
                                                                           0.0s
[Parallel(n jobs=1)]: Done
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
                                                        5.2s remaining:
[Parallel(n_jobs=1)]: Done
                           12 out of 12 | elapsed:
                                                                           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
                                                        7.5s remaining:
[Parallel(n jobs=1)]: Done
                           17 out of 17 | elapsed:
                                                                           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
                            19 out of 19 | elapsed:
[Parallel(n jobs=1)]: Done
                                                        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
                            22 out of 22 | elapsed:
                                                     9.7s remaining:
[Parallel(n_jobs=1)]: Done
                                                                           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
huilding tree 25 of 100
```

[Parallel(n_jobs=1)]: Done	25 out of	25 elapsed:	11.0s remaining:	0.0s
<pre>building tree 26 of 100 [Parallel(n_jobs=1)]: Done</pre>	26 out of	26 elapsed:	11.4s remaining:	0.0s
<pre>building tree 27 of 100 [Parallel(n jobs=1)]: Done</pre>	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		_	-	
<pre>[Parallel(n_jobs=1)]: Done building tree 31 of 100</pre>	30 out of	30 elapsed:	13.2s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 32 of 100</pre>	31 out of	31 elapsed:	13.6s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 33 of 100	32 out of	32 elapsed:	14.1s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	33 out of	33 elapsed:	14.6s remaining:	0.0s
<pre>building tree 34 of 100 [Parallel(n_jobs=1)]: Done</pre>	34 out of	34 elapsed:	15.0s remaining:	0.0s
<pre>building tree 35 of 100 [Parallel(n jobs=1)]: Done</pre>	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 building tree 39 of 100	38 out of	38 elapsed:	16.7s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 40 of 100</pre>	39 out of	39 elapsed:	17.2s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 41 of 100	40 out of	40 elapsed:	17.6s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	41 out of	41 elapsed:	18.0s remaining:	0.0s
<pre>building tree 42 of 100 [Parallel(n_jobs=1)]: Done</pre>	42 out of	42 elapsed:	18.5s remaining:	0.0s
<pre>building tree 43 of 100 [Parallel(n_jobs=1)]: Done</pre>	43 out of	43 elapsed:	18.9s remaining:	0.0s
<pre>building tree 44 of 100 [Parallel(n jobs=1)]: Done</pre>	44 out of	44 elapsed:	19.3s remaining:	0.0s
building tree 45 of 100 [Parallel(n jobs=1)]: Done		45 elapsed:	19.7s remaining:	0.0s
building tree 46 of 100		_	-	
[Parallel(n_jobs=1)]: Done building tree 47 of 100	46 out of	46 elapsed:	20.2s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 48 of 100	47 out of	47 elapsed:	20.6s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 49 of 100</pre>	48 out of	48 elapsed:	21.1s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 50 of 100	49 out of	49 elapsed:	21.5s remaining:	0.0s
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				
building tree 64 of 100 building tree 65 of 100				
building tree 66 of 100				
building tree 67 of 100 building tree 68 of 100				
building tree 69 of 100				
building tree 70 of 100 building tree 71 of 100				
huilding tree 77 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
building tree 82 of 100
building tree 83 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:
                                                 2 out of
                                                                                                  0.1s remaining:
                                                                       2 | elapsed:
[Parallel(n jobs=1)]: Done
                                                                                                                                       0.0s
                                                                       3 | elapsed: 0.1s remaining: 3 | elapsed: 0.2s remaining: 4 | elapsed: 0.3s remaining: 5 | elapsed: 0.3s remaining: 6 | elapsed: 0.4s remaining: 7 | elapsed: 0.4s remaining: 
[Parallel(n_jobs=1)]: Done 3 out of [Parallel(n_jobs=1)]: Done 4 out of [Parallel(n_jobs=1)]: Done 5 out of
                                                                      3 | elapsed:
                                                                                                                                      0.0s
                                                                      5 | elapsed:
[Parallel(n_jobs=1)]: Done 6 out of
                                                                                                                                      0.0s
[Parallel(n_jobs=1)]: Done 7 out of
                                                                                                                                      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 19 out of 19 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 1.6s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 1.6s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 1.7s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 1.8s remaining:
                                                                                                                                       0.0s
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                                                                                                                                       0.0s
                                                                                                                                       0.0s
                                                                                                                                       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
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2.7s remaining:

7 7c romaining.

0.0s

n na

39 | elapsed:

[Parallel(n jobs=1)]: Done 39 out of

[Daralla] /n inhe=111. Dona 10 out of 10 | alancad.

building tree 72 of 100 building tree 73 of 100

```
[Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 100 out of 100 | elapsed: 6.7s finished
Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as
                                                                                                                                                                                                                                                                                                                                                                                 U.UD
                                                                                                                                                                                                                                                                                                                                                                                 0.0s
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                                                                                                                                                                                                                                                                                                                                                                          0.0s
   Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend as the latter do
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: 0.4s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.4s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 6 out of 6 | 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: 0.9s 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: 1.2s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 1.4s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 11 out of 11 | 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: 1.5s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 15 out of 16 | 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 16 out of 17 | elapsed: 2.2s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 2.5s 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: 3.0s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 3.0s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 22 out of 23 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 25 out of 26 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jobs=1)]: Done 26 out of 27 | elapsed: 3.7s remaining: 0.0s

[Parallel(n_jo
   es not provide shared memory semantics.
    [Parallel(n jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
 [Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 4.2s remaining: [Parallel(n_jobs=1)]: Done 33 out of 34 | elapsed: 4.3s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 4.4s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 4.6s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 4.7s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 4.8s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 5.0s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 5.1s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 5.2s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 5.4s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 5.5s remaining: [Parallel(n_jobs=1)]: Done 43 out of 44 | elapsed: 5.6s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 5.8s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 5.9s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 6.0s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 6.1s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 6.3s remaining: [Parallel(n_jobs=1)]: Done 48 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.4s remaining: [Parallel(n_jobs=1)]: Done 49 out of
    [Parallel(n jobs=1)]: Done 32 out of 32 | elapsed: 4.2s remaining:
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    [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
   [Darallal (n inhe=1)]. Dona / out of
                                                                                                                                                                                             1 1 alancad. 1 7c ramaining.
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Parallel (n obs-1) : Done Sout of S elapsed: 2.1s remaining: 0.0s	[rararrer(n_]ons_r/]. Done	٦	out	ОΤ	ات	етаћоел.	⊥•/♡	remarning.	0.05
Fernalie (m jobs-1) : Done 6 out of 6 elapsed: 2.6s remaining: 0.0s		5	out	of	5	elapsed:	2.1s	remaining:	0.0s
Figure 1		6	out	of	6	elapsed:	2.6s	remaining:	0.0s
Duilding tree 8 of 100 Parallelf (n jobs=1) : Done 8 out of 8 elapsed: 3.4s remaining: 0.0s Duilding tree 9 of 100 Parallelf (n jobs=1) : Done 9 out of 9 elapsed: 3.9s remaining: 0.0s Duilding tree 10 of 100 Parallelf (n jobs=1) : Done 10 out of 10 elapsed: 4.7s remaining: 0.0s Duilding tree 11 of 100 Parallelf (n jobs=1) : Done 10 out of 11 elapsed: 4.7s remaining: 0.0s Duilding tree 13 of 100 Parallelf (n jobs=1) : Done 12 out of 12 elapsed: 5.5s remaining: 0.0s Duilding tree 13 of 100 Parallelf (n jobs=1) : Done 14 out of 14 elapsed: 5.5s remaining: 0.0s Duilding tree 14 of 100 Parallelf (n jobs=1) : Done 15 out of 15 elapsed: 5.5s remaining: 0.0s Duilding tree 15 of 100 Parallelf (n jobs=1) : Done 16 out of 16 elapsed: 6.3s remaining: 0.0s Duilding tree 16 of 100 Parallelf (n jobs=1) : Done 16 out of 16 elapsed: 6.7s remaining: 0.0s Duilding tree 18 of 100 Parallelf (n jobs=1) : Done 18 out of 18 elapsed: 7.4s remaining: 0.0s Duilding tree 19 of 100 Parallelf (n jobs=1) : Done 19 out of 19 elapsed: 7.4s remaining: 0.0s Duilding tree 20 of 100 Parallelf (n jobs=1) : Done 20 out of 20 elapsed: 8.2s remaining: 0.0s Duilding tree 20 of 100 Parallelf (n jobs=1) : Done 20 out of 20 elapsed: 8.2s remaining: 0.0s Duilding tree 20 of 100 Parallelf (n jobs=1) : Done 20 out of 20 elapsed: 8.6s remaining: 0.0s Duilding tree 20 of 100 Parallelf (n jobs=1) : Done 20 out of 20 elapsed: 8.6s remaining: 0.0s Duilding tree 20 of 100 Parallelf (n jobs=1) : Done 20 out of 20 elapsed: 8.6s remaining: 0.0s Duilding tree 20 of 100 Parallelf (n jobs=1) : Done 20 out of 20 elapsed: 8.6s remaining: 0.0s Duilding tree 20 of 100 Parallelf (n jobs=1) : Done 20 out of 20 elapsed: 10.1s remaining: 0.0s Duilding tree 20 of 100 Parallelf (n jobs=1) : Done 20 out of 20 elapsed: 10.	2	7	out	of	7	elapsed:	3.0s	remaining:	0.0s
Description Description	building tree 8 of 100				8 I	_		_	
Dualding tree 10 of 100 Parallel(n jobs=1) : Done 10 out of 10 elapsed:	building tree 9 of 100				·			_	
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[Parallel(n_jobs=1)]: Done		21	out	of	21	elapsed:	8.6s	remaining:	0.0s
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building tree 41 of 100
[Parallel(n jobs=1)]: Done 41 out of 41 | elapsed:
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building tree 42 of 100
[Parallel(n jobs=1)]: Done 42 out of 42 | elapsed: 16.6s remaining:
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building tree 43 of 100
[Parallel(n jobs=1)]: Done 43 out of 43 | elapsed: 17.0s remaining:
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building tree 44 of 100
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[Parallel(n jobs=1)]: Done 44 out of 44 | elapsed: 17.4s remaining:
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:
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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:
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building tree 49 of 100
[Parallel(n jobs=1)]: Done 49 out of 49 | elapsed: 19.3s remaining:
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[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
as not provide chared memory comentics
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es not brosine snared memory semantices.
   [Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
   [Parallel(n_jobs=1)]: Done 1 out of 1 | elapsed: 0.1s remaining:
   [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: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.4s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 8 out of 9 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 18 out of 17 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 1.3s remaining: [Parallel(n_jobs=1)]: Done 23 out of 22 | elapsed: 1.4s remaining: [Parallel(n_jobs=1)]: Done 23 out of 24 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 1.5s remaining:
   [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.2s remaining:
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   [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 1.5s remaining:
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[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: 1.8s 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 32 | 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 39 out of 39 | 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 40 out of 40 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 40 out of 41 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 40 out of 41 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 40 out of 41 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 2.5s remaining: 0.0s [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 2.8s 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: 2.8s 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 49 
   [Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 1.5s remaining:
                                                                                                                                                                                                                                                                                                                                           0.0s
  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: [Parallel(n_jobs=1)]: Done 2 out of 2 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.3s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.8s remaining:
                                                                                                                                                                                                                                                                                                                                                 0.0s
                                                                                                                                                                                                                                                                                                                                                0.0s
                                                                                                                                                                                                                                                                                                                                               0.0s
                                                                                                                                                                                                                                                                                                                                            0.0s
                                                                                                                                                                                                                                                                                                                                            0.0s
                                                                                                                                                                                                                                                                                                                                           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 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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                                          то I етаћзеа.
                                                             L.IS ICMAINING.
                                                                                  0.00
[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: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed:
                                                             2.4s remaining:
                                                                                  0.0s
                                                             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:
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[Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed:
                                                            3.8s remaining:
                                                                                  0.0s
[Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed:
[Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed:
[Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed:
[Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed:
[Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed:
[Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed:
[Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed:
[Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed:
[Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed:
                                                            3.9s remaining:
                                                                                  0.0s
                                                            4.1s remaining:
                                                                                  0.0s
                                                             4.2s remaining:
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                                                            4.3s remaining:
                                                                                  0.0s
                                                             4.4s remaining:
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                                                            4.6s remaining:
                                                                                  0.0s
                                                            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
                                                            5.8s remaining:
[Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed:
                                                                                  0.0s
[Parallel(n jobs=1)]: Done 49 out of 49 | elapsed:
                                                            5.9s remaining:
                                                                                  0.0s
                                                          12.0s finished
[Parallel(n jobs=1)]: Done 100 out of 100 | elapsed:
[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
                                                             2.7s remaining:
[Parallel(n_jobs=1)]: Done
                                7 out of
                                            7 | elapsed:
                                                                                  0.0s
building tree 8 of 100
                                8 out of
[Parallel(n_jobs=1)]: Done
                                                             3.1s remaining:
                                                                                  0.0s
                                            8 | elapsed:
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
                              17 out of 17 | elapsed:
[Parallel(n_jobs=1)]: Done
                                                             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
huilding tras 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:	
building tree 24 of 100	
[Parallel(n_jobs=1)]: Done 24 out of 24 elapsed: 9.3s remaining: building tree 25 of 100	
[Parallel(n_jobs=1)]: Done 25 out of 25 elapsed: 9.7s remaining: building tree 26 of 100	
[Parallel(n_jobs=1)]: Done 26 out of 26 elapsed: 10.1s remaining: building tree 27 of 100	0.0s
[Parallel(n_jobs=1)]: Done 27 out of 27 elapsed: 10.5s remaining: building tree 28 of 100	0.0s
[Parallel(n_jobs=1)]: Done 28 out of 28 elapsed: 10.9s remaining: building tree 29 of 100	0.0s
[Parallel(n_jobs=1)]: Done 29 out of 29 elapsed: 11.3s remaining:	0.0s
<pre>building tree 30 of 100 [Parallel(n_jobs=1)]: Done 30 out of 30 elapsed: 11.7s remaining:</pre>	0.0s
<pre>building tree 31 of 100 [Parallel(n_jobs=1)]: Done 31 out of 31 elapsed: 12.1s remaining:</pre>	0.0s
<pre>building tree 32 of 100 [Parallel(n jobs=1)]: Done 32 out of 32 elapsed: 12.4s remaining:</pre>	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:	
building tree 35 of 100	
[Parallel(n_jobs=1)]: Done 35 out of 35 elapsed: 13.6s remaining: building tree 36 of 100	
[Parallel(n_jobs=1)]: Done 36 out of 36 elapsed: 14.0s remaining: building tree 37 of 100	0.0s
[Parallel(n_jobs=1)]: Done 37 out of 37 elapsed: 14.4s remaining: building tree 38 of 100	0.0s
[Parallel(n_jobs=1)]: Done 38 out of 38 elapsed: 14.8s remaining: building tree 39 of 100	0.0s
[Parallel(n_jobs=1)]: Done 39 out of 39 elapsed: 15.2s remaining: building tree 40 of 100	0.0s
[Parallel(n_jobs=1)]: Done 40 out of 40 elapsed: 15.6s remaining:	0.0s
<pre>building tree 41 of 100 [Parallel(n_jobs=1)]: Done 41 out of 41 elapsed: 16.0s remaining:</pre>	0.0s
<pre>building tree 42 of 100 [Parallel(n_jobs=1)]: Done 42 out of 42 elapsed: 16.4s remaining:</pre>	0.0s
<pre>building tree 43 of 100 [Parallel(n_jobs=1)]: Done 43 out of 43 elapsed: 16.7s remaining:</pre>	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:	
building tree 46 of 100 [Parallel(n jobs=1)]: Done 46 out of 46 elapsed: 17.9s remaining:	
building tree 47 of 100	
[Parallel(n_jobs=1)]: Done 47 out of 47 elapsed: 18.3s remaining: building tree 48 of 100	
[Parallel(n_jobs=1)]: Done 48 out of 48 elapsed: 18.7s remaining: building tree 49 of 100	0.0s
[Parallel(n_jobs=1)]: Done 49 out of 49 elapsed: 19.1s remaining: building tree 50 of 100	0.0s
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 57 of 100 building tree 58 of 100	
building tree 59 of 100	
building tree 60 of 100 building tree 61 of 100	
huilding tree 62 of 100	

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building tree 64 of 100
building tree 65 of 100
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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:
                                                                                              0.2s remaining:
                                                                                                                                0.0s
[Parallel(n jobs=1)]: Done 5 out of
                                                                  5 | elapsed:
                                                                                              0.3s remaining:
                                                                                              0.4s remaining:
[Parallel(n_jobs=1)]: Done 6 out of
                                                                  6 | elapsed:
                                                                                                                                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: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 17 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 17 | elapsed: 18 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elapsed: 19 | elaps
                                                                                                                                 0.0s
                                                                                                                                 0.0s
                                                                                                                                 0.0s
                                                                                                                                 0.0s
                                                                                                                                 0.0s
                                                                                                                                 0.0s
                                                                                                                                 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:
                                                                                                                                 0.0s
                                                                                             1.1s remaining:
[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:
                                                                                                                                 0.0s
                                                                                              1.2s remaining:
[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
```

29 | elapsed:

30 I alancad.

1.7s remaining:

1.7s remaining:

1.8s remaining:

1 Re romaining.

0.0s

0.0s

0.0s

n na

[Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed:

[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed:

[Parallel(n jobs=1)]: Done 29 out of

[Darallal /n inhe=11]. Dona 30 out of

building tree 63 of 100

```
[Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 33 out of 32 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 3.0s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.1s finished Using ThreadingBackend as joblib.Parallel backend instead of LokyBackend
     [raratter(n] Jobo-1/]. Done So Out Of So | etapsed. 1.05 remaining.
                                                                                                                                                                                                                                                                                                                                                                                                                                              0.0s
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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: 0.2s 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: 0.5s 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: 0.6s remaining: 0.0s [Parallel(n jobs=1)]: Done 7 out of 7 | elapsed: 0.6s 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: 0.9s remaining: 0.0s [Parallel(n jobs=1)]: Done 10 out of 10 | elapsed: 1.2s 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: 1.2s 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: 1.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 15 out of 15 | elapsed: 1.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 16 out of 16 | elapsed: 1.9s remaining: 0.0s [Parallel(n jobs=1)]: Done 16 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: 2.5s 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 22 | elapsed: 2.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 23 out of 23 | elapsed: 2.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 24 out of 25 | elapsed: 3.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 3.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 3.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 3.5s remaining: 0.0s [Parallel(n jobs=1)]: Done 30 out of 31
     [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 38 out of 38 | elapsed: 4.6s remaining:
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     [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 4.7s remaining:
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     [Parallel(n jobs=1)]: Done 40 out of 40 | elapsed: 4.8s remaining:
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   [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 48 out of 48 | elapsed: 5.8s remaining: 0.0s [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 5.8s remaining: 0.0s
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[Parallel(n jobs=1)]: Done								remarning. finished	V • V &
[Parallel(n_jobs=1)]: Using									workers.
<pre>building tree 1 of 110 [Parallel(n_jobs=1)]: Done</pre>	1 (out	of	1		elapsed:	0.4s	remaining:	0.0s
<pre>building tree 2 of 110 [Parallel(n_jobs=1)]: Done</pre>	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
<pre>building tree 6 of 110 [Parallel(n_jobs=1)]: Done building tree 7 of 110</pre>	6 (out	of	6		elapsed:	2.3s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 8 of 110	7 (out	of	7		elapsed:	2.7s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 9 of 110	8 (out	of	8		elapsed:	3.0s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 10 of 110	9 (out	of	9		elapsed:	3.4s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 11 of 110	10 0	out	of	10		elapsed:	3.8s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 12 of 110	11 0	out	of	11		elapsed:	4.2s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 13 of 110	12 0	out	of	12		elapsed:	4.6s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 14 of 110	13 (out	of	13		elapsed:	5.0s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 15 of 110</pre>	14 (out	of	14		elapsed:	5.4s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 16 of 110</pre>	15 (out	of	15		elapsed:	5.8s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 17 of 110</pre>	16 0	out	of	16		elapsed:	6.1s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 18 of 110</pre>	17 (out	of	17		elapsed:	6.5s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 19 of 110</pre>	18 0	out	of	18		elapsed:	6.9s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 20 of 110</pre>	19 (out	of	19		elapsed:	7.3s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 21 of 110</pre>	20 (out	of	20		elapsed:	7.6s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 22 of 110</pre>						elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 23 of 110</pre>						elapsed:	8.4s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 24 of 110</pre>						elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 25 of 110</pre>						elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 26 of 110</pre>						elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 27 of 110		out				elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 28 of 110		out				elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 29 of 110						elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 30 of 110						elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 31 of 110</pre>						elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 32 of 110						elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 33 of 110						elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 34 of 110						elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 35 of 110						elapsed:		remaining:	0.0s
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building tree 36 of 110	26		10.0	0 0
<pre>[Parallel(n_jobs=1)]: Done building tree 37 of 110</pre>	36 out of	36 elapsed:	13.8s remaining:	0.0s
[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	20		1.4.0	0 0
<pre>[Parallel(n_jobs=1)]: Done building tree 40 of 110</pre>	39 out of	39 elapsed:	14.9s remaining:	0.0s
[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
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<pre>[Parallel(n_jobs=1)]: Done building tree 43 of 110</pre>	42 out of	42 elapsed:	16.1s remaining:	0.0s
[Parallel(n jobs=1)]: Done	43 out of	43 elapsed:	16.4s remaining:	0.0s
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[Parallel(n_jobs=1)]: Done	44 out of	44 elapsed:	16.8s remaining:	0.0s
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<pre>[Parallel(n_jobs=1)]: Done building tree 46 of 110</pre>	45 out of	45 elapsed:	17.25 remaining:	0.08
[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
<pre>building tree 48 of 110 [Parallel(n jobs=1)]: Done</pre>	48 out of	48 elapsed:	18.4s remaining:	0.0s
building tree 49 of 110	10 000 01	10 CIAPSCA.	10.10 remariting.	0.00
[Parallel(n_jobs=1)]: Done	49 out of	49 elapsed:	18.8s remaining:	0.0s
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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
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[Parallel(n_jobs=1)]: Done 3 out of
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[Parallel(n jobs=1)]: Done 4 out of 4 | elapsed: 0.3s remaining:
[Parallel(n jobs=1)]: Done 5 out of 5 | elapsed: 0.3s remaining:
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[Parallel(n jobs=1)]: Done 6 out of
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[Parallel(n jobs=1)]: Done 7 out of
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[Parallel(n jobs=1)]: Done 8 out of
                                                            8 | elapsed: 0.5s remaining:
[Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.0s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.1s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 1.2s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 1.3s remaining:
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[Parallel(n jobs=1)]: Done 23 out of 23 | elapsed: 1.6s remaining:
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[Parallel(n jobs=1)]: Done 24 out of 24 | elapsed: 1.7s remaining:
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[Parallel(n jobs=1)]: Done 25 out of 25 | elapsed: 1.7s remaining:
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[Parallel(n jobs=1)]: Done 26 out of 26 | elapsed: 1.8s remaining:
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[Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 1.9s remaining:
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[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 1.9s remaining:
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[Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 2.8s remaining:
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[Parallel(n jobs=1)]: Done 41 out of 41 | elapsed: 2.9s remaining:
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[Parallel(n jobs=1)]: Done 42 out of 42 | elapsed: 2.9s remaining:
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[Parallel(n jobs=1)]: Done 43 out of 43 | elapsed: 3.0s remaining:
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[Parallel(n jobs=1)]: Done 44 out of 44 | elapsed: 3.1s remaining:
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[Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 3.1s remaining:
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[Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 48 out of 48 | elapsed: 3.3s remaining: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 3.4s remaining: [Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed: 7.5s finished
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es not provide shared memory semantics.
[Parallel(n jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
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[Parallel(n jobs=1)]: Done 7 out of
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[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: [Parallel(n_jobs=1)]: Done 49 out of 49 | elapsed: 6.5s remaining: [Parallel(n_jobs=1)]: Done 110 out of 110 | elapsed: 14.5s finished
                                                                                                                  0.0s
                                                                                                                  0.0s
[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
                                                            2 | elapsed:
[Parallel(n jobs=1)]: Done
                                            2 out of
                                                                                     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
```

huilding tras 10 of 110

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

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DULLULING CLEE TO OF ITO
[Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed:
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building tree 47 of 110
[Parallel(n jobs=1)]: Done 47 out of 47 | elapsed:
                                                        20.3s remaining:
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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
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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.
[Darallal (n inhe=1)]. Heing hackend Saguential Rackend with 1 concurrent workers
```

```
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: 0.8s 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: 1.1s 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 14 | 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 16 out of 16 | 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 18 out of 18 | elapsed: 2.3s remaining: 0.0s
    [Parallel(n jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
```

[rararret/n]ons-r/]. Using backend bequenciarbackend with r concurrent workers.

```
[Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 2.9s remaining:
                                                                                                                               U.UD
                                                                                                                               0.0s
                                                                                                                               0.0s
                                                                                                                              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 32 out of 32 | elapsed: 4.2s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 4.4s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 4.5s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 4.6s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 4.8s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 4.9s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 5.1s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 5.2s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 5.3s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 5.5s remaining:
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                                                                                                                               0.0s
                                                                                                                              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
\label{lem:concurrent} \end{substitute} uilding 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 | elapsed: 1.7s remaining:
                                                 4 out of
                                                                                                                               0.0s
building tree 5 of 110
                                                                    5 | elapsed: 2.2s remaining:
                                                                                                                               0.0s
[Parallel(n jobs=1)]: Done
                                                 5 out of
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:
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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:
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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:
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building tree 14 of 110
[Parallel(n jobs=1)]: Done 14 out of 14 | elapsed:
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building tree 15 of 110
                                              15 out of 15 | elapsed:
[Parallel(n jobs=1)]: Done
                                                                                             6.5s remaining:
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building tree 16 of 110
                                              16 out of 16 | elapsed: 6.9s remaining:
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[Parallel(n jobs=1)]: Done
building tree 17 of 110
[Parallel(n jobs=1)]: Done
                                              17 out of 17 | elapsed: 7.4s remaining:
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building tree 18\ \text{of}\ 110
[Parallel(n jobs=1)]: Done 18 out of 18 | elapsed:
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building tree 19 of 110
[Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 8.3s remaining:
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building tree 20 of 110
[Daralla] (n inhe=1) 1. Dona 20 out of 20 | alanead.
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<pre>building tree 21 of 110 [Parallel(n jobs=1)]: Done</pre>	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		_	-	
<pre>[Parallel(n_jobs=1)]: Done building tree 24 of 110</pre>	23 out of	23 elapsed:	10.0s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	24 out of	24 elapsed:	10.5s remaining:	0.0s
<pre>building tree 25 of 110 [Parallel(n_jobs=1)]: Done</pre>	25 out of	25 elapsed:	10.9s remaining:	0.0s
<pre>building tree 26 of 110 [Parallel(n jobs=1)]: Done</pre>	26 out of	26 elapsed:	11.4s remaining:	0.0s
building tree 27 of 110		<u> </u>	-	
<pre>[Parallel(n_jobs=1)]: Done building tree 28 of 110</pre>	27 out of	27 elapsed:	11.8s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 29 of 110</pre>	28 out of	28 elapsed:	12.2s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	29 out of	29 elapsed:	12.7s remaining:	0.0s
<pre>building tree 30 of 110 [Parallel(n_jobs=1)]: Done</pre>	30 out of	30 elapsed:	13.1s remaining:	0.0s
<pre>building tree 31 of 110 [Parallel(n jobs=1)]: Done</pre>	31 out of	31 elapsed:	13.6s remaining:	0.0s
building tree 32 of 110				
<pre>[Parallel(n_jobs=1)]: Done building tree 33 of 110</pre>	32 out of	32 elapsed:	14.0s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 34 of 110</pre>	33 out of	33 elapsed:	14.4s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	34 out of	34 elapsed:	14.9s remaining:	0.0s
<pre>building tree 35 of 110 [Parallel(n jobs=1)]: Done</pre>	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			-	
<pre>[Parallel(n_jobs=1)]: Done building tree 38 of 110</pre>	37 out of	37 elapsed:	16.2s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 39 of 110</pre>	38 out of	38 elapsed:	16.6s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	39 out of	39 elapsed:	17.0s remaining:	0.0s
<pre>building tree 40 of 110 [Parallel(n jobs=1)]: Done</pre>	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		_	-	
<pre>[Parallel(n_jobs=1)]: Done building tree 43 of 110</pre>	42 out of	42 elapsed:	18.3s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 44 of 110</pre>	43 out of	43 elapsed:	18.8s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	44 out of	44 elapsed:	19.2s remaining:	0.0s
<pre>building tree 45 of 110 [Parallel(n jobs=1)]: Done</pre>	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		_	-	
<pre>[Parallel(n_jobs=1)]: Done building tree 48 of 110</pre>	47 out of	47 elapsed:	20.5s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 49 of 110</pre>	48 out of	48 elapsed:	20.9s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done</pre>	49 out of	49 elapsed:	21.4s remaining:	0.0s
building tree 50 of 110 building tree 51 of 110				
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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: [Parallel(n_jobs=1)]: Done 2 out of 2 | elapsed: 0.1s remaining: [Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.2s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.3s remaining:
                                                                               0.0s
                                                                                  0.0s
                                                                                  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
                                           7 | elapsed:
[Parallel(n_jobs=1)]: Done 7 out of
                                                            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
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20 | elapsed:

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[Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed:

[Daralla] /n inhe=111. Dona 21 out of 21 | alancad.

[Parallel(n jobs=1)]: Done 20 out of

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[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 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 31 out of 31 | elapsed: 2.2s 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: 2.2s 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 36 out of 36 | 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 40 out of 40 | elapsed: 2.5s 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: 2.9s 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 45 out of 45 | elapsed: 3.1s remaining: 0.0s [Parallel(n_jobs=1)]: Done 45 out of 46 | elapsed: 3.1s remaining: 0.0s [Parallel(n_jobs=1)]: Done 47 out of 48 | 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 47 
     [rarattet(n_jobs-1/j, pone 21 out of 21 | etapseu. 1.35 temaining.
   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: 0.2s 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 12 out of 12 | elapsed: 1.5s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 1.6s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 2.4s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 2.6s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 3.2s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 3.5s remaining: [Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 3.7s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 3.7s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 3.9s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 3.9s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 4.0s remaining:
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     [Parallel(n jobs=1)]: Done 31 out of 31 | elapsed: 4.0s remaining:
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  [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
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[Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed:
                                                      5.4s remaining:
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[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:
                                                                         0.0s
                                                     6.1s remaining:
[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
                                                     5.2s remaining:
[Parallel(n jobs=1)]: Done
                            7 out of
                                       7 | elapsed:
                                                                         0.0s
building tree 8 of 110
                                       8 | elapsed:
                                                     6.0s remaining:
[Parallel(n jobs=1)]: Done
                            8 out of
                                                                         0.0s
building tree 9 of 110
[Parallel(n_jobs=1)]: Done
                            9 out of
                                     9 | elapsed: 6.7s remaining:
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[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:
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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
                           21 out of 21 | elapsed:
                                                     15.9s remaining:
[Parallel(n jobs=1)]: Done
                                                                         0.0s
building tree 22 of 110
                           22 out of 22 | elapsed:
                                                     16.6s remaining:
                                                                         0.0s
[Parallel(n jobs=1)]: Done
building tree 23 of 110
                           23 out of 23 | elapsed:
[Parallel(n_jobs=1)]: Done
                                                     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
                           25 out of 25 | elapsed: 18.9s remaining:
[Parallel(n jobs=1)]: Done
                                                                         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
                           28 out of 28 | elapsed: 21.1s remaining:
[Parallel(n_jobs=1)]: Done
                                                                         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:
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huilding tras 31 of 110
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[Parallel(n_jobs=1)]: Done	31 out of	31 elapsed:	23.0s remaining:	0.0s
<pre>building tree 32 of 110 [Parallel(n_jobs=1)]: Done</pre>	32 out of	32 elapsed:	23.7s remaining:	0.0s
<pre>building tree 33 of 110 [Parallel(n jobs=1)]: Done</pre>	33 out of	33 elapsed:	24.3s remaining:	0.0s
building tree 34 of 110 [Parallel(n jobs=1)]: Done	34 out of	_	24.9s remaining:	0.0s
building tree 35 of 110		_	_	
<pre>[Parallel(n_jobs=1)]: Done building tree 36 of 110</pre>	35 out of	35 elapsed:	25.6s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 37 of 110</pre>	36 out of	36 elapsed:	26.2s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 38 of 110	37 out of	37 elapsed:	26.9s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	38 out of	38 elapsed:	27.5s remaining:	0.0s
<pre>building tree 39 of 110 [Parallel(n_jobs=1)]: Done</pre>	39 out of	39 elapsed:	28.2s remaining:	0.0s
<pre>building tree 40 of 110 [Parallel(n jobs=1)]: Done</pre>	40 out of	40 elapsed:	28.8s remaining:	0.0s
building tree 41 of 110 [Parallel(n jobs=1)]: Done	41 out of	_	29.5s remaining:	0.0s
building tree 42 of 110				
<pre>[Parallel(n_jobs=1)]: Done building tree 43 of 110</pre>	42 out of	42 elapsed:	30.1s remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 44 of 110</pre>	43 out of	43 elapsed:	30.8s remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 45 of 110	44 out of	44 elapsed:	31.4s remaining:	0.0s
[Parallel(n_jobs=1)]: Done	45 out of	45 elapsed:	32.0s remaining:	0.0s
<pre>building tree 46 of 110 [Parallel(n_jobs=1)]: Done</pre>	46 out of	46 elapsed:	32.7s remaining:	0.0s
<pre>building tree 47 of 110 [Parallel(n_jobs=1)]: Done</pre>	47 out of	47 elapsed:	33.4s remaining:	0.0s
<pre>building tree 48 of 110 [Parallel(n jobs=1)]: Done</pre>	48 out of	48 elapsed:	34.0s remaining:	0.0s
building tree 49 of 110 [Parallel(n jobs=1)]: Done		49 elapsed:	34.7s remaining:	0.0s
building tree 50 of 110	49 Out OI	1) Clapsea.	54.75 Temaining.	0.05
building tree 51 of 110 building tree 52 of 110				
building tree 52 of 110 building tree 53 of 110				
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building tree 55 of 110				
building tree 56 of 110				
building tree 57 of 110 building tree 58 of 110				
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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: 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]:
#Getting the best hyperparams
print(hyperParam_Clf2.best_params_)
{'n_estimators': 110, 'max_depth': 40}
In [5]:
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	I	elapsed:	6.6s	remaining:	0.0s
<pre>building tree 4 of 110 [Parallel(n_jobs=1)]: Done</pre>	4	out	of	4		elapsed:	8.7s	remaining:	0.0s
<pre>building tree 5 of 110 [Parallel(n_jobs=1)]: Done</pre>	5	out	of	5	I	elapsed:	10.6s	remaining:	0.0s
<pre>building tree 6 of 110 [Parallel(n_jobs=1)]: Done</pre>	6	out	of	6	I	elapsed:	12.7s	remaining:	0.0s
<pre>building tree 7 of 110 [Parallel(n_jobs=1)]: Done</pre>	7	out	of	7	I	elapsed:	14.9s	remaining:	0.0s
<pre>building tree 8 of 110 [Parallel(n jobs=1)]: Done</pre>	8	out	of	8	I	elapsed:	17.0s	remaining:	0.0s
building tree 9 of 110 [Parallel(n jobs=1)]: Done	9	out	of	9	ı	elapsed:	19.1s	remaining:	0.0s
building tree 10 of 110 [Parallel(n jobs=1)]: Done		out		10	ı	_		remaining:	0.0s
building tree 11 of 110 [Parallel(n jobs=1)]: Done		out		11		_		remaining:	0.0s
building tree 12 of 110		out				_		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 13 of 110				12		elapsed:			
[Parallel(n_jobs=1)]: Done building tree 14 of 110		out		13		-		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 15 of 110</pre>	14	out	of	14		elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 16 of 110</pre>	15	out	of	15		elapsed:	32.2s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 17 of 110</pre>	16	out	of	16		elapsed:	34.4s	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 18 of 110</pre>	17	out	of	17		elapsed:	36.6s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 19 of 110	18	out	of	18		elapsed:	38.7s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 20 of 110	19	out	of	19	I	elapsed:	40.8s	remaining:	0.0s
[Parallel(n_jobs=1)]: Done	20	out	of	20	I	elapsed:	42.9s	remaining:	0.0s
building tree 21 of 110 [Parallel(n_jobs=1)]: Done	21	out	of	21	I	elapsed:	45.0s	remaining:	0.0s
<pre>building tree 22 of 110 [Parallel(n_jobs=1)]: Done</pre>	22	out	of	22	I	elapsed:	47.1s	remaining:	0.0s
<pre>building tree 23 of 110 [Parallel(n_jobs=1)]: Done</pre>	23	out	of	23	I	elapsed:	49.4s	remaining:	0.0s
<pre>building tree 24 of 110 [Parallel(n_jobs=1)]: Done</pre>	24	out	of	24	I	elapsed:	51.5s	remaining:	0.0s
<pre>building tree 25 of 110 [Parallel(n_jobs=1)]: Done</pre>	25	out	of	25	I	elapsed:	53.6s	remaining:	0.0s
<pre>building tree 26 of 110 [Parallel(n jobs=1)]: Done</pre>	26	out	of	26	I	elapsed:	55.6s	remaining:	0.0s
building tree 27 of 110 [Parallel(n jobs=1)]: Done	27	out	of	27	ı	elapsed:	57.5s	remaining:	0.0s
building tree 28 of 110 [Parallel(n jobs=1)]: Done		out				elapsed:		remaining:	0.0s
building tree 29 of 110 [Parallel(n jobs=1)]: Done		out				elapsed:		remaining:	0.0s
building tree 30 of 110		out				elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 31 of 110						_		_	
[Parallel(n_jobs=1)]: Done building tree 32 of 110		out				elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 33 of 110</pre>		out				elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 34 of 110</pre>		out		33		elapsed:		remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 35 of 110</pre>	34	out	of	34		elapsed:	1.2min	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 36 of 110</pre>	35	out	of	35		elapsed:	1.2min	remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 37 of 110</pre>	36	out	of	36		elapsed:	1.2min	remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 38 of 110	37	out	of	37		elapsed:	1.3min	remaining:	0.0s

[Parallel(n_jobs=1)]: Done	38 out of	38 elapsed:	1.3min remaining:	0.0s
<pre>building tree 39 of 110 [Parallel(n jobs=1)]: Done</pre>	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		· ·	_	
<pre>[Parallel(n_jobs=1)]: Done building tree 42 of 110</pre>	41 out of	41 elapsed:	1.4min remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 43 of 110</pre>	42 out of	42 elapsed:	1.4min remaining:	0.0s
[Parallel(n_jobs=1)]: Done building tree 44 of 110	43 out of	43 elapsed:	1.5min remaining:	0.0s
[Parallel(n_jobs=1)]: Done	44 out of	44 elapsed:	1.5min remaining:	0.0s
<pre>building tree 45 of 110 [Parallel(n jobs=1)]: Done</pre>	45 out of	45 elapsed:	1.5min remaining:	0.0s
building tree 46 of 110 [Parallel(n jobs=1)]: Done		46 elapsed:	1.6min remaining:	0.0s
building tree 47 of 110		_	_	
<pre>[Parallel(n_jobs=1)]: Done building tree 48 of 110</pre>	47 out of	47 elapsed:	1.6min remaining:	0.0s
<pre>[Parallel(n_jobs=1)]: Done building tree 49 of 110</pre>	48 out of	48 elapsed:	1.6min remaining:	0.0s
[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 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 66 of 110 building tree 67 of 110				
building tree 68 of 110				
building tree 69 of 110				
building tree 70 of 110				
building tree 71 of 110				
building tree 72 of 110 building tree 73 of 110				
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building tree 77 of 110 building tree 78 of 110				
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building tree 83 of 110 building tree 84 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 94 of 110 building tree 95 of 110				
building tree 96 of 110				
building tree 97 of 110				
building tree 98 of 110				

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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]:
joblib.dump(rfModel, 'drive/My Drive/CaseStudy1/rfpredictModel.pkl')
Out[7]:
 ['drive/My Drive/CaseStudy1/rfpredictModel.pkl']
In [6]:
 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 7 out of 7 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 3.1s remaining: [Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 3.4s remaining: [Parallel(n_jobs=1)]: Done 10 out of 10 | elapsed: 3.8s remaining: [Parallel(n_jobs=1)]: Done 11 out of 11 | elapsed: 4.2s remaining: [Parallel(n_jobs=1)]: Done 12 out of 12 | elapsed: 4.6s remaining: [Parallel(n_jobs=1)]: Done 13 out of 13 | elapsed: 5.0s remaining: [Parallel(n_jobs=1)]: Done 14 out of 14 | elapsed: 5.4s remaining: [Parallel(n_jobs=1)]: Done 15 out of 15 | elapsed: 5.7s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 6.1s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 6.5s remaining:
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                                                                                                                                                        0.0s
                                                                                                                                                        0.0s
                                                                                                                                                        0.0s
                                                                                                                                                        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:
[Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 9.8s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 10.2s remaining: [Parallel(n_jobs=1)]: Done 27 out of 27 | elapsed: 10.5s remaining: [Parallel(n_jobs=1)]: Done 28 out of 28 | elapsed: 10.9s remaining: [Parallel(n_jobs=1)]: Done 29 out of 29 | elapsed: 11.4s remaining: [Parallel(n_jobs=1)]: Done 30 out of 30 | elapsed: 11.8s remaining: [Parallel(n_jobs=1)]: Done 31 out of 31 | elapsed: 12.2s remaining: [Parallel(n_jobs=1)]: Done 32 out of 32 | elapsed: 12.6s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 33 out of 33 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 34 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 35 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 34 out of 36 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 36 out of 37 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 37 out of 38 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 13.0s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 14.0s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 14.0s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 14.0s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 14.0s remaining: [Parall
                                                                                                                                                        0.0s
                                                                                                                                                        0.0s
                                                                                                                                                        0.0s
                                                                                                                                                        0.0s
                                                                                                                                                        0.0s
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                                                                                                                                                        0.0s
                                                                                                                                                        0.0s
                                                                                                                                                        0.0s
```

```
[rarallet(n jobs=1)]: Done 34 out of 34 | etapsed: 13.4s remaining:
                                                                                        U.US
[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: [Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 17.8s remaining: [Parallel(n_jobs=1)]: Done 46 out of 46 | elapsed: 18.1s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 18.5s remaining: [Parallel(n_jobs=1)]: Done 47 out of 47 | elapsed: 18.5s remaining:
                                                                                       0.0s
                                                                                        0.0s
                                                                                        0.0s
                                                                                        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]:
```

```
#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'],
```

In [33]:

```
print(hyperParam_Clf3.best_params_)
{'min_samples_split': 60, 'max_features': 'sqrt'}
In [9]:
```

pre_dispatch='2*n_jobs', random_state=None, refit=True,
return train score=True, scoring='accuracy', verbose=0)

'min samples split': [30, 40, 50, 60]},

```
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)

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

```
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
                            2 out of
[Parallel(n jobs=1)]: Done
                                         2 | elapsed:
                                                         0.5s remaining:
                                                                             0.0s
                            3 out of
[Parallel(n jobs=1)]: Done
                                         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
                                                        4.9s remaining:
                                        21 | elapsed:
                                                                             0.0s
[Parallel(n_jobs=1)]: Done 22 out of
                                                        5.1s remaining:
                                        22 | elapsed:
                                                                             0.0s
[Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed:
                                                         5.4s remaining:
                                                                             0.0s
                                                         5.6s remaining:
                                                                             0.0s
                                                         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
                                                        9.2s remaining:
                                        39 | elapsed:
                                                                             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: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed:
                                                        9.7s remaining:
                                                                             0.0s
                                                         9.9s remaining:
                                                                             0.0s
                                                      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.
1 | elapsed: 0.1s remaining:
                                                               2 | elapsed:
                                                                                        0.2s remaining:
                                                                                                                       0.0s
[Parallel(n_jobs=1)]: Done     3 out of
[Parallel(n_jobs=1)]: Done     4 out of
                                                               3 | elapsed:
                                                                                        0.3s remaining:
[Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 0.5s remaining: [Parallel(n_jobs=1)]: Done 5 out of 5 | elapsed: 0.6s remaining: [Parallel(n_jobs=1)]: Done 6 out of 6 | elapsed: 0.7s remaining: [Parallel(n_jobs=1)]: Done 7 out of 7 | elapsed: 0.8s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 0.9s remaining: [Parallel(n_jobs=1)]: Done 8 out of 8 | elapsed: 1.1s remaining:
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                      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 15 out of 15 | elapsed: 1.8s remaining: [Parallel(n_jobs=1)]: Done 16 out of 16 | elapsed: 1.9s remaining: [Parallel(n_jobs=1)]: Done 17 out of 17 | elapsed: 2.0s remaining: [Parallel(n_jobs=1)]: Done 18 out of 18 | elapsed: 2.1s remaining: [Parallel(n_jobs=1)]: Done 19 out of 19 | elapsed: 2.2s remaining: [Parallel(n_jobs=1)]: Done 20 out of 20 | elapsed: 2.3s remaining: [Parallel(n_jobs=1)]: Done 21 out of 21 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 22 out of 22 | elapsed: 2.5s remaining: [Parallel(n_jobs=1)]: Done 23 out of 23 | elapsed: 2.7s remaining: [Parallel(n_jobs=1)]: Done 24 out of 24 | elapsed: 2.8s remaining: [Parallel(n_jobs=1)]: Done 25 out of 25 | elapsed: 2.9s remaining: [Parallel(n_jobs=1)]: Done 26 out of 26 | elapsed: 3.0s remaining:
                                                                                                                    0.0s
                                                                                                                     0.0s
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                       0.0s
                                                                                                                       0.0s
                                                                                                                       0.0s
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                      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 34 out of 34 | elapsed: 4.0s remaining: [Parallel(n_jobs=1)]: Done 35 out of 35 | elapsed: 4.1s remaining: [Parallel(n_jobs=1)]: Done 36 out of 36 | elapsed: 4.2s remaining: [Parallel(n_jobs=1)]: Done 37 out of 37 | elapsed: 4.3s remaining: [Parallel(n_jobs=1)]: Done 38 out of 38 | elapsed: 4.4s remaining: [Parallel(n_jobs=1)]: Done 39 out of 39 | elapsed: 4.6s remaining: [Parallel(n_jobs=1)]: Done 40 out of 40 | elapsed: 4.7s remaining: [Parallel(n_jobs=1)]: Done 41 out of 41 | elapsed: 4.8s remaining: [Parallel(n_jobs=1)]: Done 42 out of 42 | elapsed: 4.9s remaining: [Parallel(n_jobs=1)]: Done 43 out of 43 | elapsed: 5.0s remaining: [Parallel(n_jobs=1)]: Done 44 out of 44 | elapsed: 5.2s remaining:
                                                                                                                    0.0s
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                      0.0s
                                                                                                                      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:
[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:
[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 [Parallel(n_jobs=1)]: Done 5 out of [Parallel(n_jobs=1)]: Done 6 out of
                                                             4 | elapsed:
                                                                                      0.5s remaining:
                                                                                    0.5s remaining:
0.6s remaining:
0.7s remaining:
                                                                                                                      0.0s
                                                               5 | elapsed:
                                                                                                                       0.0s
                                                               6 | elapsed:
                                                                                                                       0.0s
```

	_	_		_					0 0
[Parallel(n_jobs=1)]:			out		'/	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:			out		8	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:			out		9	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:			out		10	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:			out	-	11	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:			out		12	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:			out		13	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:			out		14	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:		.5 c	out	of	15	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:		.6 c	out	of	16	elapsed:	1.9s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 1	.7 с	out	of	17	elapsed:	2.0s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 1	.8 c	out	of	18	elapsed:	2.1s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 1	.9 c	out	of	19	elapsed:	2.3s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 2	0 c	out	of	20	elapsed:	2.4s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 2	21 c	out	of	21	elapsed:	2.5s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 2	22 c	out	of	22	elapsed:	2.6s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 2	23 c	out	of	23	elapsed:	2.7s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 2	24 c	out	of	24	elapsed:	2.8s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 2	25 c	out	of	25 I	elapsed:	3.0s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 2	26 c	out	of	26	elapsed:	3.1s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 2	27 c	out	of	27	elapsed:	3.2s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 2	28 c	out	of	28	elapsed:	3.3s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 2	.9 c	out	of	29	elapsed:	3.4s	remaining:	0.0s
[Parallel(n jobs=1)]:		80 c	out	of	30	elapsed:	3.6s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 3	31 c	out	of	31	elapsed:	3.7s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 3	32 c	out	of	32	elapsed:	3.8s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 3	33 c	out	of	33	elapsed:	3.9s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 3	84 c	out	of	34	elapsed:	4.0s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 3	35 c	out	of	35	elapsed:	4.2s	remaining:	0.0s
[Parallel(n jobs=1)]:	Done 3	86 c	out	of	36	elapsed:	4.3s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 3	37 c	out	of	37	elapsed:	4.4s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 3	88 c	out	of	38	elapsed:	4.5s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 3	39 c	out	of	39	elapsed:	4.6s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 4	0 c	out	of	40	elapsed:	4.7s	remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 4	1 c	out	of	41	elapsed:	4.9s	remaining:	0.0s
[Parallel(n_jobs=1)]:		2 c	out	of	42	elapsed:	5.0s	remaining:	0.0s
[Parallel(n_jobs=1)]:		3 c	out	of	43	elapsed:	5.1s	remaining:	0.0s
[Parallel(n_jobs=1)]:			out		44	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 4	5 c	out	of	45 I	elapsed:	5.3s	remaining:	0.0s
[Parallel(n_jobs=1)]:			out		46	elapsed:	5.5s	remaining:	0.0s
[Parallel(n_jobs=1)]:		7 c	out	of	47	elapsed:	5.6s	remaining:	0.0s
[Parallel(n_jobs=1)]:			out		48	elapsed:		remaining:	0.0s
[Parallel(n_jobs=1)]:	Done 4	9 c	out	of	49	elapsed:	5.8s	remaining:	0.0s
[Parallel(n_jobs=1)]:						elapsed:	13.0s	finished	
Test MAPE value is: 2	4.30036	934	1886	799	1				

Final values of MAE and MAPE for test data are:

MAE: 0.45

MAPE: 24.3