

# House Prices Kaggle Competition

The screenshot shows the Kaggle competition interface for 'House Prices - Advanced Regression Techniques'. At the top, it says 'Getting Started Prediction Competition'. Below that is the title 'House Prices - Advanced Regression Techniques' and a subtitle 'Predict sales prices and practice feature engineering, RFs, and gradient boosting'. It shows 'Kaggle · 6,020 teams · Ongoing'. Below this is a navigation bar with 'Overview' (underlined), Data, Notebooks, Discussion, Leaderboard, Datasets, ..., My Submissions, and a button labeled 'Submit Predictions'.

The goal to predict the sales price for each house. For each Id in the test set, you must predict the value of the SalePrice variable.

Metric: Root-Mean-Squared-Error (RMSE)

I submitted online an answer to the open competition [House Prices - Advanced Regression Techniques](#)

## Load Libraries

```
In [1]: import matplotlib.pyplot as plt
import numpy as np
import seaborn as sns
import pandas as pd
import plotly.graph_objects as go

from statsmodels.graphics.gofplots import qqplot

import statsmodels.api as sm
import statsmodels.formula.api as smf

from sklearn.impute import KNNImputer

from sklearn.model_selection import cross_validate, learning_curve, train_test_split
from sklearn.linear_model import LinearRegression
from sklearn.linear_model import SGDRegressor
from sklearn.linear_model import SGDClassifier
from sklearn.linear_model import LogisticRegression
from sklearn.linear_model import Ridge
from sklearn.impute import SimpleImputer
from sklearn.linear_model import ElasticNet
from sklearn.svm import SVC
from sklearn.svm import SVR
from sklearn.neighbors import KNeighborsClassifier
from sklearn.neighbors import KNeighborsRegressor
from sklearn.preprocessing import PolynomialFeatures
from sklearn.inspection import permutation_importance
from sklearn.preprocessing import OrdinalEncoder
from sklearn.preprocessing import OneHotEncoder
from sklearn.preprocessing import MinMaxScaler
from sklearn.preprocessing import StandardScaler
from sklearn.preprocessing import RobustScaler
from sklearn.metrics import precision_recall_curve
```

```

from sklearn.metrics import ConfusionMatrixDisplay
from sklearn.metrics import classification_report
from sklearn.metrics import max_error, mean_absolute_error, r2_score
from sklearn.model_selection import RandomizedSearchCV
from sklearn.model_selection import GridSearchCV
from scipy import stats
from scipy.stats import randint
from sklearn.pipeline import Pipeline
from sklearn.compose import ColumnTransformer
from sklearn.preprocessing import FunctionTransformer
from sklearn.pipeline import FeatureUnion
from sklearn.base import TransformerMixin, BaseEstimator
from sklearn.pipeline import make_pipeline
from sklearn.pipeline import make_union
from sklearn.compose import make_column_transformer
from sklearn.compose import make_column_selector

from sklearn.tree import DecisionTreeRegressor
from sklearn.ensemble import AdaBoostRegressor, VotingRegressor, GradientBoostingRe
from sklearn.ensemble import BaggingClassifier, BaggingRegressor
from sklearn.feature_selection import SelectPercentile, mutual_info_regression, Vari

from sklearn.metrics import make_scorer, mean_squared_error, mean_squared_log_error

from sklearn import set_config; set_config(display = "diagram")

from xgboost import XGBRegressor
from catboost import CatBoostClassifier, CatBoostRegressor

import pickle
import dill as pickle

```

## Load Data

Load the train dataset in a DataFrame `data` and create your `X` and `y`.

In [2]: `data = pd.read_csv("data/train.csv")  
data.head(2)`

Out[2]:

	<b>Id</b>	<b>MSSubClass</b>	<b>MSZoning</b>	<b>LotFrontage</b>	<b>LotArea</b>	<b>Street</b>	<b>Alley</b>	<b>LotShape</b>	<b>LandContour</b>	<b>Utilities</b>
<b>0</b>	1	60	RL	65.0	8450	Pave	NaN	Reg		Lvl All
<b>1</b>	2	20	RL	80.0	9600	Pave	NaN	Reg		Lvl All

2 rows × 81 columns

In [3]: `X = data.drop(columns=['SalePrice', 'Id'])  
y = data.SalePrice  
X.shape`

Out[3]: `(1460, 79)`



## 1. BASELINE

## Initial feature overview

79 features is too much to deal with for a first baseline pipeline! Checking their `dtype` first:

```
In [4]: X.dtypes.value_counts()
```

```
Out[4]: object      43
       int64      33
       float64     3
       dtype: int64
```

**?** Create a Series called `feat_categorical_nunique` containing the number of **unique values** for each categorical feature in our training set. How many unique categories are there in total?

Analysing categorical features:

```
In [5]: feat_categorical_nunique = X.select_dtypes(include=object).nunique()
len(feat_categorical_nunique)
```

```
Out[5]: 43
```

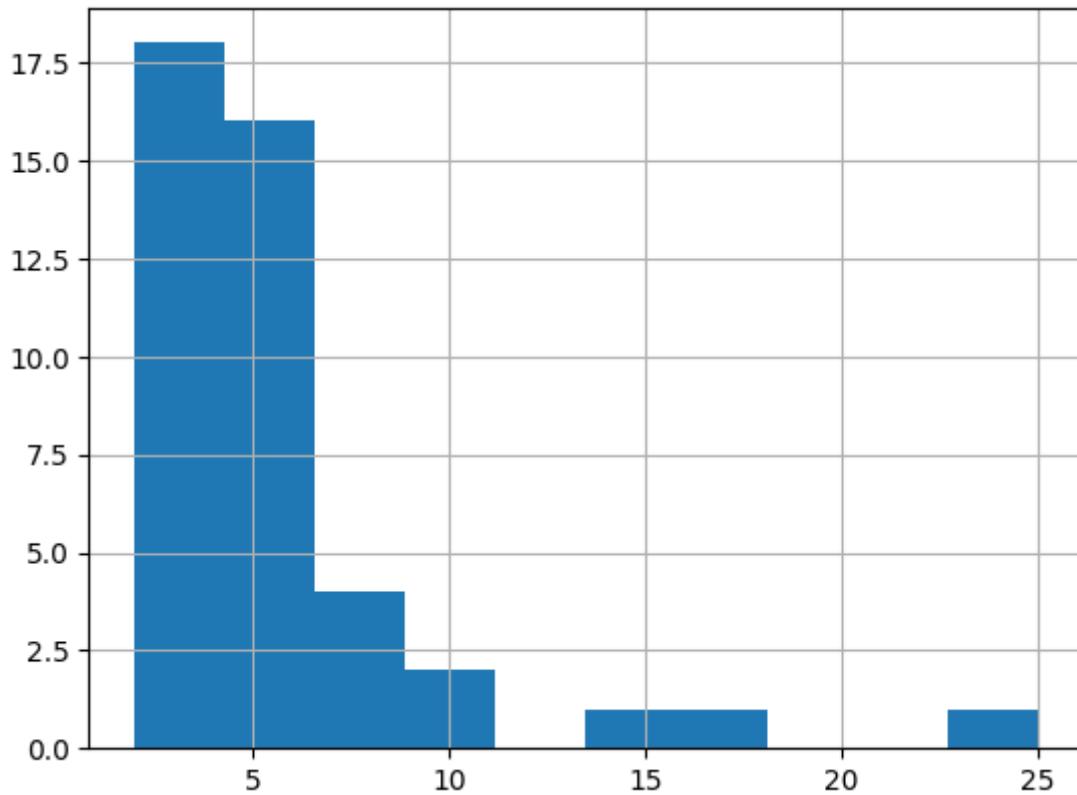
If I use `OneHotEncode` all categorical features, the feature matrix would become pretty big with almost 300 (highly correlated) features for only 1400 observations. Ideally, the model should have 50-100 features max (Ref [rule of thumb](#))

Strategies to reduce the number of categorical features post-preprocessing:

- **Remove** features that bring too little explanation to the model. This may require statistical analysis of feature importance
- **Ordinaly encode** (instead of one-hot-encode) categorical features into integers. However this forces a notion of "order" (1>2>3...) that can be detrimental if not set properly!

```
In [6]: feat_categorical_nunique.hist()
```

```
Out[6]: <AxesSubplot:>
```



As a start, I'm simply removing all features that have **7 unique values or more**, and one-hot-encode every others.

```
In [7]: # categorical features to one-hot-encode
feat_categorical_small = list(feat_categorical_nunique[feat_categorical_nunique<7])
feat_categorical_small
len(feat_categorical_small)
```

Out[7]: 34

## 1.2 Baseline Pipe

### Preprocessing pipeline

#### Categorical features

- Simple-Impute with most frequent values
- One-Hot-Encode features that have less than 7 unique values to start with
- Drop all others features

#### Numerical features

- Simple-Impute with strategy 'mean'
- Min-Max Scale

```
In [8]: #Categorical pipeline
pipe_cat = make_pipeline(SimpleImputer(strategy = 'most_frequent'),
                         OneHotEncoder(handle_unknown="ignore"))
```

```
# Numerical pipeline
pipe_num = make_pipeline(SimpleImputer(), MinMaxScaler())
```

```
In [9]: preproc_baseline = make_column_transformer(
    (pipe_cat, feat_categorical_small),
    (pipe_num, make_column_selector(dtype_include=["int64", "float64"])))
```

```
In [10]: preproc_baseline
```

```
Out[10]:
```

```

graph TD
    CT[ColumnTransformer] --> P1[pipeline-1]
    CT --> P2[pipeline-2]
    P1 --> SI1[SimpleImputer]
    P1 --> OHE[OneHotEncoder]
    P2 --> SI2[SimpleImputer]
    P2 --> MMS[MinMaxScaler]
    SI1 --- SI2
    OHE --- MMS
  
```

❓ Look at the **shape** of your preprocessed dataframe.

```
In [11]: shape_preproc_baseline = preproc_baseline.fit_transform(X).shape
shape_preproc_baseline
```

```
Out[11]: (1460, 183)
```

## Model Baseline

```
In [12]: pipe_baseline = make_pipeline(preproc_baseline, Ridge())
pipe_baseline
```

```
Out[12]:
```

```

graph TD
    PT[Pipeline] --> CT[columntransformer]
    CT --> P1[pipeline-1]
    CT --> P2[pipeline-2]
    P1 --> SI1[SimpleImputer]
    P1 --> OHE[OneHotEncoder]
    P2 --> SI2[SimpleImputer]
    P2 --> MMS[MinMaxScaler]
    SI1 --- SI2
    OHE --- MMS
    CT --- R[Ridge]
  
```

## Add Estimator

Creating the scorer rmsle and a negative one rmsle\_neg for the GridSearch to *maximize*

```
In [13]: # This is the metric to minimize
rmsle = make_scorer(lambda y_true, y_pred: mean_squared_log_error(y_true, y_pred)*-1)

# This is the score to maximize
rmsle_neg = make_scorer(lambda y_true, y_pred: -1 * mean_squared_log_error(y_true,
```

## Cross-Validate

❓ Read the Kaggle [contest evaluation rules](#). Which performance metric do you need? Is it readily available in Sklearn?

Sadly, it isn't! We will need to create our custom `sklearn.metrics.scorer` object to pass to any cross-validation or Grid Search. The process is described below:

1. Create a scorer called `rmsle` using `make_scorer` that can be passed as a value for the `scoring` kwarg like so:

```
cross_val_score(pipe_baseline, X, y, cv=5, scoring=rmsle)
```

2. Create its negative counterpart, `rmsle_neg`, which is best when *maximized*; this will come in handy later as `GridSearchCV` always tries to *maximize* a score 😊

```
GridSearchCV(pipe_baseline, param_grid=..., cv=5, scoring=rmsle_neg)
```

5-fold cross\_validate to get a first glance at the baseline perf.

```
In [14]: #Evaluate metric(s) by cross-validation and also record fit/score times. Do not cor
#which evaluates a score
score_baseline = cross_val_score(pipe_baseline, X, y, cv=5, scoring=rmsle).mean()
score_baseline
```

```
Out[14]: 0.1664290752086171
```

## Predict Baseline

Predict from the Kaggle `test.csv` dataset .

```
In [15]: X_test = pd.read_csv("data/test.csv")
X_test.head(2)
```

	<b>Id</b>	<b>MSSubClass</b>	<b>MSZoning</b>	<b>LotFrontage</b>	<b>LotArea</b>	<b>Street</b>	<b>Alley</b>	<b>LotShape</b>	<b>LandContour</b>	<b>Utilities</b>
<b>0</b>	1461	20	RH	80.0	11622	Pave	NaN	Reg	Lvl	...
<b>1</b>	1462	20	RL	81.0	14267	Pave	NaN	IR1	Lvl	...

2 rows × 80 columns



```
In [16]: X_test_ids = X_test['Id'] # Keep ids for the submission
X_test = X_test.drop(columns=['Id'])

# Predict y_pred_baseline
pipe_baseline.fit(X,y)
y_pred_baseline = pipe_baseline.predict(X_test)
y_pred_baseline
```

```
Out[16]: array([113256.76959388, 136811.0145436 , 174901.68834287, ...,
   157216.07718185, 111472.49591662, 234985.99120322])
```

```
In [17]: results = pd.concat([X_test_ids, pd.Series(y_pred_baseline, name="SalePrice")], axis=1)
results.head(1)
```

```
Out[17]:
```

	<b>Id</b>	<b>SalePrice</b>
<b>0</b>	1461	113256.769594

# Improving Prediction

🎉 🎉 Congratulation on having fully pipelined a baseline model! You will see now how much easier it is to iterate and improve performance 🚀

Now, your goal is to improve your prediction and submit it to Kaggle **at least 30 minutes before the Recap** 🕒

We have some suggestions for improvements below: **pick your battles** and **incrementally** improve your pipeline as you see fit!

## Estimators

- Linear Models: fine-tune regularization
- **Tree-based ensembles (must try today)**: Probably the best suited for many categorical-features problems
- Stacking
- Stacking!
- XGBoost!

**Preprocessing** (once your first ensemble models works)

- Ordinal Encoding of categorical features with a hidden notion of order in their values (e.g. "bad", "average", "good")
- Statistical Feature Selection to remove useless features (avoid overfitting and reduce train time)
- Predict log(SalePrice) instead?
- 🤖

## Preprocessing Iteration

### 2.1 Preprocessing Iteration 💡

⚠ Come back here only after you have iterated on your estimators in section 2.2 ⚠

▶ Collapse me if I'm not in use!

#### Ordinal Encoding (~1h)

❓ Look at the following feature. Couldn't it be encoded numerically in a wise manner?

ExterQual: Evaluates the quality of the material on the exterior

Ex    Excellent

Gd	Good
TA	Average/Typical
Fa	Fair
Po	Poor

💡 Luckily, the `OrdinalEncoder` and its argument `categories` allows us to do just that! Check it out below and make sure to understand how this works 🤔

Split categorical preprocessors into:

- `preproc_ordinal` to ordinally encode **some features** of choice
- `preproc_nominal` to one hot encode the other ones

```
In [18]: # Define specific order for features
# Note: if you change this order, it will change the output for .transform()
feature_A_sorted_values = ['bad', 'average', 'good']
feature_B_sorted_values = ['dirty', 'clean', 'new']

encoder = OrdinalEncoder(
    categories=[
        feature_A_sorted_values,
        feature_B_sorted_values
    ],
    handle_unknown="use_encoded_value",
    unknown_value=-1
)

# Just some random training data
XX = [
    ['good', 'dirty'],
    ['bad', 'new'],
    ['average', 'clean'],
]

encoder.fit(XX)

encoder.transform([
    ['bad', "dirty"],
    ["average", "clean"],
    ['good', 'new'],
    ['bad', 'oops never seen this label before']
])
```

Out[18]: array([[ 0., 0.],
 [ 1., 1.],
 [ 2., 2.],
 [ 0., -1.]])

❓ Your turn: split your categorical preprocessors into

- `preproc_ordinal` to ordinally encode **some features** (of your choice)
- `preproc_nominal` to one-hot encode the other ones

► Hints

```
In [19]: feat_ordinal_dict = {
    # considers "missing" as "neutral"
    "BsmtCond": ['missing', 'Po', 'Fa', 'TA', 'Gd'],
    "BsmtExposure": ['missing', 'No', 'Mn', 'Av', 'Gd'],
    "BsmtFinType1": ['missing', 'Unf', 'LwQ', 'Rec', 'BLQ', 'ALQ', 'GLQ'],
```

```

    "BsmtFinType2": ['missing', 'Unf', 'LwQ', 'Rec', 'BLQ', 'ALQ', 'GLQ'],
    "BsmtQual": ['missing', 'Fa', 'TA', 'Gd', 'Ex'],
    "Electrical": ['missing', 'Mix', 'FuseP', 'FuseF', 'FuseA', 'SBrkr'],
    "ExterCond": ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
    "ExterQual": ['missing', 'Fa', 'TA', 'Gd', 'Ex'],
    "Fence": ['missing', 'MnWw', 'GdWo', 'MnPrv', 'GdPrv'],
    "FireplaceQu": ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
    "Functional": ['missing', 'Sev', 'Maj2', 'Maj1', 'Mod', 'Min2', 'Min1', 'Typ'],
    "GarageCond": ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
    "GarageFinish": ['missing', 'Unf', 'RFn', 'Fin'],
    "GarageQual": ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
    "HeatingQC": ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
    "KitchenQual": ['missing', 'Fa', 'TA', 'Gd', 'Ex'],
    "LandContour": ['missing', 'Low', 'Bnk', 'HLS', 'Lvl'],
    "LandSlope": ['missing', 'Sev', 'Mod', 'Gtl'],
    "LotShape": ['missing', 'IR3', 'IR2', 'IR1', 'Reg'],
    "PavedDrive": ['missing', 'N', 'P', 'Y'],
    "PoolQC": ['missing', 'Fa', 'Gd', 'Ex'],
}

```

In [20]: *#Encode categorical features as an integer array. The input to this transformer should be strings, denoting the values taken on by categorical (discrete) features. The output is integers. This results in a single column of integers (0 to n\_categories - 1) per feature.*

```

feat_ordinal = sorted(feat_ordinal_dict.keys()) # sort alphabetically - get dict keys
feat_ordinal_values_sorted = [feat_ordinal_dict[i] for i in feat_ordinal] # get dict values
feat_ordinal_values_sorted

```

Out[20]:

```

[[['missing', 'Po', 'Fa', 'TA', 'Gd'],
  ['missing', 'No', 'Mn', 'Av', 'Gd'],
  ['missing', 'Unf', 'LwQ', 'Rec', 'BLQ', 'ALQ', 'GLQ'],
  ['missing', 'Unf', 'LwQ', 'Rec', 'BLQ', 'ALQ', 'GLQ'],
  ['missing', 'Fa', 'TA', 'Gd', 'Ex'],
  ['missing', 'Mix', 'FuseP', 'FuseF', 'FuseA', 'SBrkr'],
  ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
  ['missing', 'Fa', 'TA', 'Gd', 'Ex'],
  ['missing', 'MnWw', 'GdWo', 'MnPrv', 'GdPrv'],
  ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
  ['missing', 'Sev', 'Maj2', 'Maj1', 'Mod', 'Min2', 'Min1', 'Typ'],
  ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
  ['missing', 'Unf', 'RFn', 'Fin'],
  ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
  ['missing', 'Po', 'Fa', 'TA', 'Gd', 'Ex'],
  ['missing', 'Fa', 'TA', 'Gd', 'Ex'],
  ['missing', 'Low', 'Bnk', 'HLS', 'Lvl'],
  ['missing', 'Sev', 'Mod', 'Gtl'],
  ['missing', 'IR3', 'IR2', 'IR1', 'Reg'],
  ['missing', 'N', 'P', 'Y'],
  ['missing', 'Fa', 'Gd', 'Ex']]]

```

In [21]: *#new pipeline*

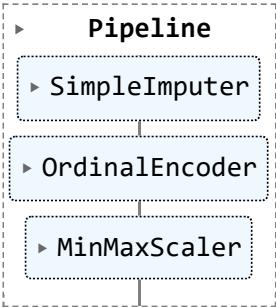
```

encoder_ordinal = OrdinalEncoder(categories=feat_ordinal_values_sorted,
                                  dtype=np.int64,
                                  handle_unknown='use_encoded_value',
                                  unknown_value=-1) # Consider unknown values as we don't have them in training set

preproc_ordinal = make_pipeline(
    SimpleImputer(strategy="constant", fill_value="missing"),
    encoder_ordinal,
    MinMaxScaler()
)
preproc_ordinal

```

Out[21]:



In [22]:

```
# Define numerical feature once-for-all
feat_numerical = sorted(X.select_dtypes(include=["int64", "float64"]).columns)

preproc_numerical = make_pipeline(
    KNNImputer(),
    MinMaxScaler()
)
```

In [23]:

```
# Define nominal features to one-hot-encode as the remaining ones (non numerical, non ordinal)
feat_nominal = sorted(list(set(X.columns) - set(feat_numerical) - set(feat_ordinal)))

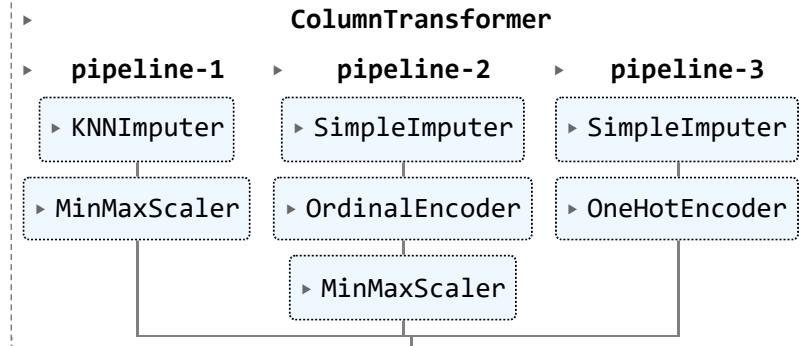
preproc_nominal = make_pipeline(
    SimpleImputer(strategy="most_frequent"),
    OneHotEncoder(handle_unknown="ignore")
)
```

In [24]:

```
preproc = make_column_transformer(
    (preproc_numerical, make_column_selector(dtype_include=["int64", "float64"])),
    (preproc_ordinal, feat_ordinal),
    (preproc_nominal, feat_nominal),
    remainder="drop")

preproc
```

Out[24]:



In [25]:

```
preproc.fit_transform(X).shape #still too much, go to statistical feature selection
```

Out[25]:

```
(1460, 216)
```

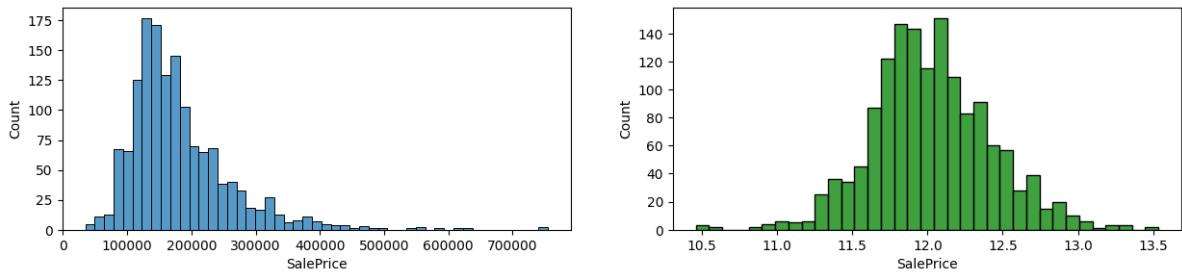
## Target Engineering

Transforming target to log as we are asked to minimize the RMSLE.

- Check-out histogram of your target `y`. Normally distributed variables should be easier to predict with linear models.
- Create `y_log` and new performance metrics

```
In [26]: y_log = np.log(y)
plt.figure(figsize=(15,3))
plt.subplot(1, 2, 1)
sns.histplot(y)
plt.subplot(1,2,2)
sns.histplot(y_log, color='green')
```

Out[26]: <AxesSubplot:xlabel='SalePrice', ylabel='Count'>



```
In [27]: #as our target is log, we don't need to use Log metric anymore:
from sklearn.metrics import mean_squared_error
rmse = make_scorer(lambda y_true, y_pred: mean_squared_error(y_true, y_pred)**0.5)

# Create your new scorer to maximize
rmse_neg = make_scorer(lambda y_true, y_pred: -1 * mean_squared_error(y_true, y_pred))
```

## Statistical Feature Selection

The goal is to remove the least interesting features, to limit overfitting and shorten training time.

### Univariate feature selection based on relationship with target `y`

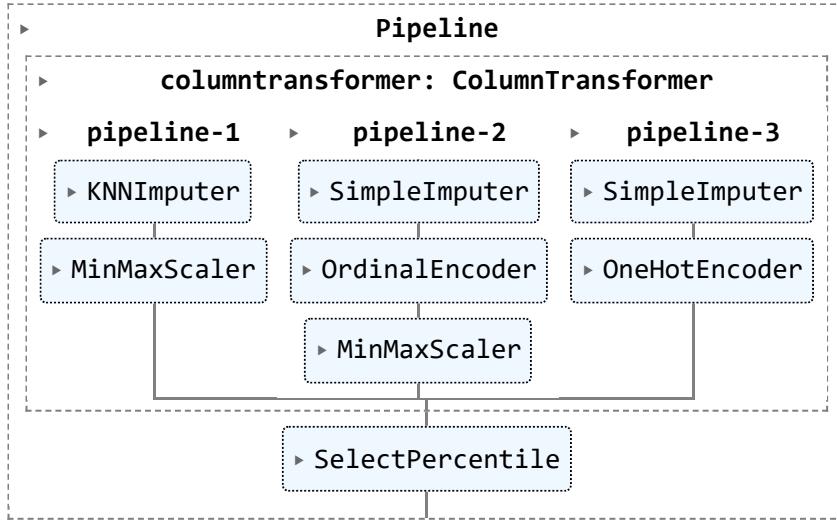
- This will filter-out features that individually least explain the target

```
In [28]: preproc_transformer = make_column_transformer(
    (preproc_numerical, make_column_selector(dtype_include=["int64", "float64"])),
    (preproc_ordinal, feat_ordinal),
    (preproc_nominal, feat_nominal),
    remainder="drop")

preproc_selector = SelectPercentile(
    mutual_info_regression,
    percentile=50, # keep only 50% of all features
)

preproc = make_pipeline(
    preproc_transformer,
    preproc_selector
)
preproc
```

Out[28]:

In [29]: `preproc.fit_transform(X,y_log).shape #much better now`Out[29]: `(1460, 108)`

# Models Iteration

## Ridge Model

```
In [30]: # #normal ridge
# model1 = Ridge()
# ridge_pipe = make_pipeline(preproc, model1)
# cross_val_score(ridge_pipe, X, y_log, cv=5, scoring=rmse).mean()
```

```
In [31]: # # GridSearch the Ridge regularization
# param_grid = {'ridge_alpha': np.linspace(0.5,2,num=20)}
# search_ridge = GridSearchCV(ridge_pipe, param_grid=param_grid,
#                             cv=5, n_jobs=-1, verbose=2, scoring=rmse_neg)

# search_ridge.fit(X, y_log);
# print(search_ridge.best_params_)
# search_ridge.best_score_
```

## KNN

```
In [32]: # #normal KNN
# model2 = KNeighborsRegressor()
# KNN_pipe = make_pipeline(preproc, model2)
# cross_val_score(KNN_pipe, X, y_log, cv=5, scoring=rmse).mean()
```

```
In [33]: # # GridSearch the KNN
# param_grid = {'kneighborsregressor_n_neighbors': [3,4,5,6,7,8,9,10,15,20,30]}
# search_knn = GridSearchCV(KNN_pipe, param_grid=param_grid,
#                            cv=3, n_jobs=-1, verbose=2, scoring=rmse_neg)

# search_knn.fit(X, y_log);
# print(search_knn.best_params_)
# search_knn.best_score_
```

## SVM

The free parameters in the model are C and epsilon

- Cfloat, default=1.0 Regularization parameter. The strength of the regularization is inversely proportional to C. Must be strictly positive. The penalty is a squared L2 penalty.
- epsilonfloat, default=0.1 Epsilon in the epsilon-SVR model. It specifies the epsilon-tube within which no penalty is associated in the training loss function with points predicted within a distance epsilon from the actual value.

```
In [34]: # #normal SVM Linear kernel
# model31 = SVR(C=1, epsilon=0.05) #rbf is the standard
# SVM_pipe31 = make_pipeline(preproc, model31)
# cross_val_score(SVM_pipe31, X, y_log, cv=5, scoring=rmse).mean()
```

```
In [35]: # #normal SVM Linear kernel
# model32 = SVR(kernel='linear', C=1, epsilon=0.05)
# SVM_pipe32 = make_pipeline(preproc, model32)
# cross_val_score(SVM_pipe32, X, y_log, cv=5, scoring=rmse).mean()
```

```
In [36]: # # GridSearch
# param_grid = {'svr_C': [0.5, 0.7, 1, 2, 5, 10],
#                 'svr_epsilon': [0.01, 0.05, 0.1, 0.2, 0.5],
#                 #'svr_coef0': [0.0, 0.1, 0.5, 1],
#                 }
# search_svm_rbf = GridSearchCV(SVM_pipe31, param_grid=param_grid,
#                                 cv=5, n_jobs=-1, verbose=2, scoring=rmse_neg)

# search_svm_rbf.fit(X, y_log);
# svm_rbf_best = search_svm_rbf.best_estimator_
# print(search_svm_rbf.best_params_)
# search_svm_rbf.best_score_
```

## Decision Trees - NOT THE BEST

```
In [37]: # #Esemble decision trees
# model4 = DecisionTreeRegressor(max_depth=50, min_samples_leaf=20)
# trees_pipe = make_pipeline(preproc, model4)
# score = cross_val_score(trees_pipe, X, y_log, cv=5, scoring=rmse)
# print(score.std())
# score.mean()
```

## Random Forest - NOT THE BEST

```
In [38]: # #Ensemble random forest
# model5 = RandomForestRegressor(max_depth=50, min_samples_leaf=20)
# forest_pipe = make_pipeline(preproc, model5)
# score = cross_val_score(forest_pipe, X, y_log, cv=5, scoring=rmse)
# print(score.std())
# score.mean()
```

## Boosting Trees

An AdaBoost [1] regressor is a meta-estimator that begins by fitting a regressor on the original dataset and then fits additional copies of the regressor on the same dataset but where the weights of instances are adjusted according to the error of the current prediction. As such, subsequent regressors focus more on difficult cases.

The base estimator from which the boosted ensemble is built. If None, then the base estimator is DecisionTreeRegressor initialized with max\_depth=3.

In [39]:

```
#Ensemble AdaBoost
model6 = AdaBoostRegressor(base_estimator=DecisionTreeRegressor(max_depth=None))
ada_pipe = make_pipeline(preproc, model6)
score = cross_val_score(ada_pipe, X, y_log, cv=5, scoring=rmse)
print(score.std())
score.mean()
```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
0.00888863326514646
```

Out[39]:

```
#Ensemble Gradient
model7 = GradientBoostingRegressor() # n_estimators default=100
gradient_pipe = make_pipeline(preproc, model7)
score = cross_val_score(gradient_pipe, X, y_log, cv=5, scoring=rmse)
print(score.std())
score.mean()
```

```
0.009848417499712221
```

Out[40]:

```
0.12543118917730006
```

## VOTING

Stacked generalization consists in stacking the output of individual estimator and use a regressor to compute the final prediction. Stacking allows to use the strength of each individual estimator by using their output as input of a final estimator.

Note that estimators\_ are fitted on the full X while finalestimator is trained using cross-validated predictions of the base estimators using cross\_val\_predict.

A voting regressor is an ensemble meta-estimator that fits several base regressors, each on the whole dataset. Then it averages the individual predictions to form a final prediction.

```
In [41]: #train best algorithms and agg the predictions

catboost = CatBoostRegressor()
xgboost = XGBRegressor()
gboost = GradientBoostingRegressor(max_depth=10, n_estimators=300, learning_rate=0.05)
ridge = Ridge(alpha= 0.9736842105263157)
adaboost = AdaBoostRegressor(base_estimator=DecisionTreeRegressor(max_depth=None))
SVM = SVR(C=1, epsilon=0.05)

model8 = VotingRegressor(
    estimators = [("gboost", gboost), ("adaboost", adaboost), ("ridge", ridge), ("SVM", SVM),
                  ("cat", catboost), ("XGB", xgboost)],
    weights = [1,1,1,1,1,1], # to equally weight the two models
    n_jobs=-1
)

pipe_voting = make_pipeline(preproc, model8)
score = cross_val_score(pipe_voting, X, y_log, cv=5, scoring=rmsle, n_jobs=-1)
print(score.std())
score.mean()

/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(
```

```

Learning rate set to 0.04196
0: learn: 0.3934548      total: 490ms    remaining: 8m 9s
1: learn: 0.3829027      total: 562ms    remaining: 4m 40s
2: learn: 0.3724994      total: 616ms    remaining: 3m 24s
3: learn: 0.3622764      total: 642ms    remaining: 2m 39s
4: learn: 0.3531794      total: 722ms    remaining: 2m 23s
5: learn: 0.3442858      total: 753ms    remaining: 2m 4s
6: learn: 0.3349511      total: 791ms    remaining: 1m 52s
7: learn: 0.3262930      total: 819ms    remaining: 1m 41s
8: learn: 0.3183164      total: 894ms    remaining: 1m 38s
9: learn: 0.3101973      total: 941ms    remaining: 1m 33s
10: learn: 0.3036910     total: 997ms    remaining: 1m 29s
11: learn: 0.2966983     total: 1.05s    remaining: 1m 26s
12: learn: 0.2895516     total: 1.1s     remaining: 1m 23s
13: learn: 0.2830686     total: 1.11s    remaining: 1m 18s
14: learn: 0.2768776     total: 1.22s    remaining: 1m 20s
15: learn: 0.2707169     total: 1.24s    remaining: 1m 15s
16: learn: 0.2652645     total: 1.26s    remaining: 1m 12s
17: learn: 0.2601275     total: 1.4s     remaining: 1m 16s
18: learn: 0.2548429     total: 1.51s    remaining: 1m 17s
19: learn: 0.2494382     total: 1.57s    remaining: 1m 16s
20: learn: 0.2446481     total: 1.59s    remaining: 1m 14s
21: learn: 0.2396815     total: 1.62s    remaining: 1m 12s
22: learn: 0.2348767     total: 1.72s    remaining: 1m 12s
23: learn: 0.2305757     total: 1.75s    remaining: 1m 11s
24: learn: 0.2261674     total: 1.79s    remaining: 1m 9s
25: learn: 0.2221246     total: 1.86s    remaining: 1m 9s
26: learn: 0.2180902     total: 1.93s    remaining: 1m 9s
27: learn: 0.2144149     total: 1.95s    remaining: 1m 7s
28: learn: 0.2108434     total: 2.04s    remaining: 1m 8s
29: learn: 0.2071367     total: 2.09s    remaining: 1m 7s
30: learn: 0.2037084     total: 2.11s    remaining: 1m 5s
31: learn: 0.2005866     total: 2.13s    remaining: 1m 4s
32: learn: 0.1977219     total: 2.2s     remaining: 1m 4s
33: learn: 0.1946161     total: 2.26s    remaining: 1m 4s
34: learn: 0.1917346     total: 2.31s    remaining: 1m 3s
35: learn: 0.1890229     total: 2.38s    remaining: 1m 3s
36: learn: 0.1865654     total: 2.38s    remaining: 1m 1s
37: learn: 0.1843891     total: 2.43s    remaining: 1m 1s
38: learn: 0.1820538     total: 2.47s    remaining: 1m
39: learn: 0.1796548     total: 2.53s    remaining: 1m
40: learn: 0.1774859     total: 2.58s    remaining: 1m
41: learn: 0.1754586     total: 2.6s     remaining: 59.3s
42: learn: 0.1732536     total: 2.68s    remaining: 59.7s
43: learn: 0.1712196     total: 2.74s    remaining: 59.5s
44: learn: 0.1693448     total: 2.79s    remaining: 59.3s
45: learn: 0.1673519     total: 2.83s    remaining: 58.6s
46: learn: 0.1656489     total: 2.84s    remaining: 57.5s
47: learn: 0.1638769     total: 2.95s    remaining: 58.5s
48: learn: 0.1622685     total: 2.96s    remaining: 57.4s
49: learn: 0.1607680     total: 3.04s    remaining: 57.8s
50: learn: 0.1593388     total: 3.1s     remaining: 57.6s
51: learn: 0.1578315     total: 3.14s    remaining: 57.2s
52: learn: 0.1563922     total: 3.22s    remaining: 57.5s
53: learn: 0.1550182     total: 3.25s    remaining: 57s
54: learn: 0.1534990     total: 3.26s    remaining: 56.1s
55: learn: 0.1523133     total: 3.36s    remaining: 56.7s
56: learn: 0.1510566     total: 3.43s    remaining: 56.7s
57: learn: 0.1499098     total: 3.48s    remaining: 56.6s
58: learn: 0.1487452     total: 3.57s    remaining: 56.9s
59: learn: 0.1476678     total: 3.61s    remaining: 56.6s
60: learn: 0.1466696     total: 3.67s    remaining: 56.5s
61: learn: 0.1457969     total: 3.69s    remaining: 55.9s
62: learn: 0.1448122     total: 3.7s     remaining: 55.1s

```

```

63: learn: 0.1437479    total: 3.75s  remaining: 54.9s
64: learn: 0.1427803    total: 3.82s  remaining: 55s
65: learn: 0.1419038    total: 3.89s  remaining: 55.1s
66: learn: 0.1409989    total: 3.94s  remaining: 54.8s
67: learn: 0.1400759    total: 4.01s  remaining: 55s
68: learn: 0.1391645    total: 4.05s  remaining: 54.7s
69: learn: 0.1382183    total: 4.11s  remaining: 54.7s
70: learn: 0.1374403    total: 4.15s  remaining: 54.3s
71: learn: 0.1366455    total: 4.17s  remaining: 53.7s
72: learn: 0.1358853    total: 4.17s  remaining: 53s
73: learn: 0.1351490    total: 4.27s  remaining: 53.4s
74: learn: 0.1341638    total: 4.34s  remaining: 53.5s
75: learn: 0.1333421    total: 4.34s  remaining: 52.8s
76: learn: 0.1327476    total: 4.41s  remaining: 52.8s
77: learn: 0.1321560    total: 4.45s  remaining: 52.7s
78: learn: 0.1314912    total: 4.49s  remaining: 52.3s
79: learn: 0.1308995    total: 4.62s  remaining: 53.2s
80: learn: 0.1302016    total: 4.73s  remaining: 53.6s
81: learn: 0.1296054    total: 4.82s  remaining: 54s
82: learn: 0.1289177    total: 4.9s   remaining: 54.1s
83: learn: 0.1283817    total: 4.95s  remaining: 54s
84: learn: 0.1278845    total: 5s    remaining: 53.8s
85: learn: 0.1271844    total: 5s    remaining: 53.2s
86: learn: 0.1266432    total: 5.07s  remaining: 53.2s
87: learn: 0.1261982    total: 5.08s  remaining: 52.7s
88: learn: 0.1256443    total: 5.13s  remaining: 52.5s
89: learn: 0.1250125    total: 5.22s  remaining: 52.8s
90: learn: 0.1245247    total: 5.28s  remaining: 52.7s
91: learn: 0.1240713    total: 5.3s   remaining: 52.3s
92: learn: 0.1236918    total: 5.41s  remaining: 52.7s
93: learn: 0.1232198    total: 5.42s  remaining: 52.2s
94: learn: 0.1227232    total: 5.58s  remaining: 53.1s
95: learn: 0.1223547    total: 5.59s  remaining: 52.6s
96: learn: 0.1217778    total: 5.6s   remaining: 52.1s
97: learn: 0.1213470    total: 5.73s  remaining: 52.7s
98: learn: 0.1208269    total: 5.78s  remaining: 52.6s
99: learn: 0.1202531    total: 5.87s  remaining: 52.9s
100: learn: 0.1198468   total: 5.91s  remaining: 52.6s
101: learn: 0.1194841   total: 5.97s  remaining: 52.6s
102: learn: 0.1190537   total: 6s    remaining: 52.2s
103: learn: 0.1187201   total: 6.05s  remaining: 52.1s
104: learn: 0.1182747   total: 6.07s  remaining: 51.7s
105: learn: 0.1179635   total: 6.12s  remaining: 51.6s
106: learn: 0.1176002   total: 6.15s  remaining: 51.4s
107: learn: 0.1173915   total: 6.23s  remaining: 51.4s
108: learn: 0.1169791   total: 6.29s  remaining: 51.5s
109: learn: 0.1165493   total: 6.32s  remaining: 51.2s
110: learn: 0.1161433   total: 6.36s  remaining: 50.9s
111: learn: 0.1157925   total: 6.44s  remaining: 51.1s
112: learn: 0.1155700   total: 6.52s  remaining: 51.2s
113: learn: 0.1152369   total: 6.54s  remaining: 50.8s
114: learn: 0.1147531   total: 6.64s  remaining: 51.1s
115: learn: 0.1143633   total: 6.73s  remaining: 51.3s
116: learn: 0.1140088   total: 6.84s  remaining: 51.6s
117: learn: 0.1136279   total: 6.85s  remaining: 51.2s
118: learn: 0.1133847   total: 7.01s  remaining: 51.9s
119: learn: 0.1131421   total: 7.1s   remaining: 52.1s
120: learn: 0.1128020   total: 7.18s  remaining: 52.1s
121: learn: 0.1124284   total: 7.24s  remaining: 52.1s
122: learn: 0.1121728   total: 7.3s   remaining: 52.1s
123: learn: 0.1117965   total: 7.33s  remaining: 51.8s
124: learn: 0.1114975   total: 7.4s   remaining: 51.8s
125: learn: 0.1111217   total: 7.44s  remaining: 51.6s
126: learn: 0.1107889   total: 7.48s  remaining: 51.4s

```

```

127: learn: 0.1104526    total: 7.53s  remaining: 51.3s
128: learn: 0.1100515    total: 7.55s  remaining: 51s
129: learn: 0.1098252    total: 7.64s  remaining: 51.1s
130: learn: 0.1095685    total: 7.67s  remaining: 50.9s
131: learn: 0.1093421    total: 7.78s  remaining: 51.1s
132: learn: 0.1091699    total: 7.79s  remaining: 50.8s
133: learn: 0.1087378    total: 7.86s  remaining: 50.8s
134: learn: 0.1084364    total: 7.96s  remaining: 51s
135: learn: 0.1081822    total: 8.05s  remaining: 51.2s
136: learn: 0.1078913    total: 8.16s  remaining: 51.4s
137: learn: 0.1076582    total: 8.18s  remaining: 51.1s
138: learn: 0.1073703    total: 8.22s  remaining: 50.9s
139: learn: 0.1071730    total: 8.28s  remaining: 50.9s
140: learn: 0.1069323    total: 8.33s  remaining: 50.7s
141: learn: 0.1065994    total: 8.42s  remaining: 50.9s
142: learn: 0.1064068    total: 8.43s  remaining: 50.5s
143: learn: 0.1061259    total: 8.49s  remaining: 50.4s
144: learn: 0.1059588    total: 8.57s  remaining: 50.5s
145: learn: 0.1057624    total: 8.63s  remaining: 50.5s
146: learn: 0.1054931    total: 8.71s  remaining: 50.6s
147: learn: 0.1053152    total: 8.73s  remaining: 50.3s
148: learn: 0.1050280    total: 8.79s  remaining: 50.2s
149: learn: 0.1048041    total: 8.83s  remaining: 50s
150: learn: 0.1046255    total: 8.84s  remaining: 49.7s
151: learn: 0.1044204    total: 8.88s  remaining: 49.5s
152: learn: 0.1041922    total: 8.91s  remaining: 49.3s
153: learn: 0.1040079    total: 8.96s  remaining: 49.2s
154: learn: 0.1037807    total: 8.99s  remaining: 49s
155: learn: 0.1035032    total: 9.01s  remaining: 48.7s
156: learn: 0.1032882    total: 9.06s  remaining: 48.6s
157: learn: 0.1030621    total: 9.07s  remaining: 48.3s
158: learn: 0.1028020    total: 9.11s  remaining: 48.2s

Learning rate set to 0.04196
0: learn: 0.3817237    total: 228ms  remaining: 3m 48s
1: learn: 0.3727659    total: 459ms  remaining: 3m 49s
2: learn: 0.3630270    total: 525ms  remaining: 2m 54s
3: learn: 0.3535955    total: 641ms  remaining: 2m 39s
4: learn: 0.3449756    total: 731ms  remaining: 2m 25s
5: learn: 0.3362798    total: 835ms  remaining: 2m 18s
6: learn: 0.3278109    total: 846ms  remaining: 2m
7: learn: 0.3199291    total: 967ms  remaining: 1m 59s
8: learn: 0.3119623    total: 1.03s  remaining: 1m 53s
9: learn: 0.3047361    total: 1.13s  remaining: 1m 51s
10: learn: 0.2973300   total: 1.27s  remaining: 1m 54s
11: learn: 0.2904689   total: 1.31s  remaining: 1m 48s
12: learn: 0.2840901   total: 1.51s  remaining: 1m 54s
13: learn: 0.2782616   total: 1.57s  remaining: 1m 50s
14: learn: 0.2721497   total: 1.72s  remaining: 1m 52s
15: learn: 0.2665265   total: 1.83s  remaining: 1m 52s
16: learn: 0.2609162   total: 1.94s  remaining: 1m 52s
17: learn: 0.2555859   total: 1.99s  remaining: 1m 48s
18: learn: 0.2505164   total: 2.02s  remaining: 1m 44s
19: learn: 0.2461718   total: 2.03s  remaining: 1m 39s
20: learn: 0.2414438   total: 2.04s  remaining: 1m 34s
21: learn: 0.2371677   total: 2.15s  remaining: 1m 35s
22: learn: 0.2325420   total: 2.15s  remaining: 1m 31s
23: learn: 0.2278779   total: 2.19s  remaining: 1m 29s
24: learn: 0.2238338   total: 2.31s  remaining: 1m 30s
25: learn: 0.2198675   total: 2.44s  remaining: 1m 31s
26: learn: 0.2161957   total: 2.5s   remaining: 1m 30s
27: learn: 0.2123567   total: 2.52s  remaining: 1m 27s
28: learn: 0.2088677   total: 2.57s  remaining: 1m 25s
29: learn: 0.2050316   total: 2.6s   remaining: 1m 24s
30: learn: 0.2018957   total: 2.64s  remaining: 1m 22s

```

```

31: learn: 0.1983512    total: 2.71s  remaining: 1m 21s
32: learn: 0.1953782    total: 2.74s  remaining: 1m 20s
33: learn: 0.1926395    total: 2.77s  remaining: 1m 18s
34: learn: 0.1899066    total: 2.82s  remaining: 1m 17s
35: learn: 0.1871478    total: 2.84s  remaining: 1m 15s
36: learn: 0.1847005    total: 2.89s  remaining: 1m 15s
37: learn: 0.1820378    total: 2.94s  remaining: 1m 14s
38: learn: 0.1795713    total: 2.96s  remaining: 1m 12s
39: learn: 0.1772430    total: 2.99s  remaining: 1m 11s
40: learn: 0.1752916    total: 2.99s  remaining: 1m 10s
41: learn: 0.1729731    total: 3.06s  remaining: 1m 9s
42: learn: 0.1709040    total: 3.07s  remaining: 1m 8s
43: learn: 0.1689380    total: 3.16s  remaining: 1m 8s
44: learn: 0.1669562    total: 3.24s  remaining: 1m 8s
45: learn: 0.1649468    total: 3.32s  remaining: 1m 8s
46: learn: 0.1628479    total: 3.32s  remaining: 1m 7s
47: learn: 0.1610164    total: 3.38s  remaining: 1m 6s
48: learn: 0.1591623    total: 3.38s  remaining: 1m 5s
49: learn: 0.1576360    total: 3.41s  remaining: 1m 4s
50: learn: 0.1560036    total: 3.57s  remaining: 1m 6s
51: learn: 0.1544120    total: 3.65s  remaining: 1m 6s
52: learn: 0.1528716    total: 3.67s  remaining: 1m 5s
53: learn: 0.1515239    total: 3.73s  remaining: 1m 5s
54: learn: 0.1502132    total: 3.75s  remaining: 1m 4s
55: learn: 0.1490118    total: 3.83s  remaining: 1m 4s
56: learn: 0.1475059    total: 3.91s  remaining: 1m 4s
57: learn: 0.1465250    total: 3.94s  remaining: 1m 3s
58: learn: 0.1453989    total: 4.01s  remaining: 1m 4s
59: learn: 0.1441725    total: 4.09s  remaining: 1m 4s
60: learn: 0.1430025    total: 4.14s  remaining: 1m 3s
61: learn: 0.1419344    total: 4.18s  remaining: 1m 3s
62: learn: 0.1408714    total: 4.2s   remaining: 1m 2s
63: learn: 0.1398981    total: 4.24s  remaining: 1m 2s
64: learn: 0.1388215    total: 4.35s  remaining: 1m 2s
65: learn: 0.1378786    total: 4.41s  remaining: 1m 2s
66: learn: 0.1368216    total: 4.44s  remaining: 1m 1s
67: learn: 0.1360311    total: 4.48s  remaining: 1m 1s
68: learn: 0.1352693    total: 4.51s  remaining: 1m
69: learn: 0.1345263    total: 4.52s  remaining: 1m
70: learn: 0.1337656    total: 4.58s  remaining: 60s
71: learn: 0.1329212    total: 4.69s  remaining: 1m
72: learn: 0.1321677    total: 4.83s  remaining: 1m 1s
73: learn: 0.1313741    total: 5.01s  remaining: 1m 2s
74: learn: 0.1307344    total: 5.02s  remaining: 1m 1s
75: learn: 0.1300056    total: 5.02s  remaining: 1m 1s
76: learn: 0.1293014    total: 5.05s  remaining: 1m
77: learn: 0.1284596    total: 5.09s  remaining: 1m
78: learn: 0.1276097    total: 5.13s  remaining: 59.9s
79: learn: 0.1269590    total: 5.2s   remaining: 59.8s
80: learn: 0.1263256    total: 5.24s  remaining: 59.4s
81: learn: 0.1256773    total: 5.31s  remaining: 59.4s
82: learn: 0.1250359    total: 5.34s  remaining: 59.1s
83: learn: 0.1244466    total: 5.42s  remaining: 59.1s
84: learn: 0.1240544    total: 5.43s  remaining: 58.5s
85: learn: 0.1234941    total: 5.44s  remaining: 57.8s
86: learn: 0.1229642    total: 5.46s  remaining: 57.3s
87: learn: 0.1224092    total: 5.49s  remaining: 56.9s
88: learn: 0.1218883    total: 5.58s  remaining: 57.1s
89: learn: 0.1214459    total: 5.61s  remaining: 56.7s
90: learn: 0.1208095    total: 5.62s  remaining: 56.1s
91: learn: 0.1202746    total: 5.68s  remaining: 56.1s
92: learn: 0.1197522    total: 5.74s  remaining: 55.9s
93: learn: 0.1193179    total: 5.75s  remaining: 55.4s
94: learn: 0.1187816    total: 5.83s  remaining: 55.5s

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95: learn: 0.1181769      total: 5.85s  remaining: 55.1s
96: learn: 0.1177037      total: 5.92s  remaining: 55.1s
97: learn: 0.1173377      total: 5.95s  remaining: 54.7s
98: learn: 0.1168238      total: 5.96s  remaining: 54.2s
99: learn: 0.1163853      total: 6s      remaining: 54s
100: learn: 0.1160011     total: 6.01s  remaining: 53.5s
101: learn: 0.1156120     total: 6.02s  remaining: 53s
102: learn: 0.1151250     total: 6.13s  remaining: 53.4s
103: learn: 0.1147076     total: 6.16s  remaining: 53.1s
104: learn: 0.1142608     total: 6.22s  remaining: 53s
105: learn: 0.1138393     total: 6.28s  remaining: 52.9s
106: learn: 0.1134844     total: 6.29s  remaining: 52.5s
107: learn: 0.1131949     total: 6.33s  remaining: 52.3s
108: learn: 0.1129756     total: 6.39s  remaining: 52.2s
109: learn: 0.1127100     total: 6.51s  remaining: 52.7s
110: learn: 0.1123714     total: 6.59s  remaining: 52.8s
111: learn: 0.1120244     total: 6.62s  remaining: 52.5s
112: learn: 0.1117074     total: 6.7s    remaining: 52.6s
113: learn: 0.1114548     total: 6.75s  remaining: 52.5s
114: learn: 0.1111561     total: 6.88s  remaining: 52.9s
115: learn: 0.1107785     total: 6.93s  remaining: 52.8s
116: learn: 0.1103718     total: 7.01s  remaining: 52.9s
117: learn: 0.1099901     total: 7.09s  remaining: 53s
118: learn: 0.1096442     total: 7.17s  remaining: 53.1s
119: learn: 0.1093141     total: 7.29s  remaining: 53.5s
120: learn: 0.1090571     total: 7.34s  remaining: 53.3s
121: learn: 0.1087509     total: 7.38s  remaining: 53.1s
122: learn: 0.1084210     total: 7.42s  remaining: 52.9s
123: learn: 0.1081604     total: 7.49s  remaining: 52.9s
124: learn: 0.1078566     total: 7.5s   remaining: 52.5s
125: learn: 0.1074185     total: 7.55s  remaining: 52.4s
126: learn: 0.1071138     total: 7.58s  remaining: 52.1s
127: learn: 0.1068502     total: 7.62s  remaining: 51.9s
128: learn: 0.1066018     total: 7.74s  remaining: 52.3s
129: learn: 0.1062901     total: 7.76s  remaining: 52s
130: learn: 0.1060739     total: 7.85s  remaining: 52s
131: learn: 0.1058265     total: 7.91s  remaining: 52s
132: learn: 0.1054652     total: 7.94s  remaining: 51.8s
133: learn: 0.1052954     total: 8.02s  remaining: 51.8s
134: learn: 0.1049879     total: 8.04s  remaining: 51.5s
135: learn: 0.1047489     total: 8.12s  remaining: 51.6s
136: learn: 0.1045413     total: 8.16s  remaining: 51.4s
137: learn: 0.1043067     total: 8.18s  remaining: 51.1s
138: learn: 0.1041157     total: 8.18s  remaining: 50.7s
139: learn: 0.1038906     total: 8.36s  remaining: 51.4s
140: learn: 0.1036688     total: 8.44s  remaining: 51.4s
141: learn: 0.1035016     total: 8.45s  remaining: 51.1s
142: learn: 0.1033186     total: 8.6s   remaining: 51.5s
143: learn: 0.1030837     total: 8.63s  remaining: 51.3s
144: learn: 0.1028815     total: 8.71s  remaining: 51.4s
145: learn: 0.1027520     total: 8.73s  remaining: 51.1s
146: learn: 0.1027012     total: 8.77s  remaining: 50.9s
147: learn: 0.1025682     total: 8.77s  remaining: 50.5s
148: learn: 0.1023861     total: 8.8s   remaining: 50.3s
149: learn: 0.1021719     total: 8.82s  remaining: 50s
150: learn: 0.1019185     total: 8.92s  remaining: 50.2s
151: learn: 0.1017078     total: 8.96s  remaining: 50s
152: learn: 0.1015476     total: 8.97s  remaining: 49.6s
153: learn: 0.1013010     total: 9.05s  remaining: 49.7s
154: learn: 0.1011496     total: 9.13s  remaining: 49.7s
155: learn: 0.1010528     total: 9.13s  remaining: 49.4s
156: learn: 0.1009650     total: 9.18s  remaining: 49.3s
157: learn: 0.1008468     total: 9.21s  remaining: 49.1s
158: learn: 0.1006862     total: 9.26s  remaining: 49s

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Learning rate set to 0.04196
0: learn: 0.3913778      total: 434ms   remaining: 7m 13s
1: learn: 0.3811380      total: 694ms   remaining: 5m 46s
2: learn: 0.3712149      total: 904ms   remaining: 5m
3: learn: 0.3612685      total: 1.06s   remaining: 4m 24s
4: learn: 0.3520952      total: 1.37s   remaining: 4m 32s
5: learn: 0.3431620      total: 1.43s   remaining: 3m 57s
6: learn: 0.3347013      total: 1.61s   remaining: 3m 47s
7: learn: 0.3262184      total: 1.72s   remaining: 3m 33s
8: learn: 0.3189012      total: 1.78s   remaining: 3m 16s
9: learn: 0.3113775      total: 1.84s   remaining: 3m 2s
10: learn: 0.3039158     total: 1.89s   remaining: 2m 49s
11: learn: 0.2970131     total: 1.91s   remaining: 2m 37s
12: learn: 0.2906340     total: 1.93s   remaining: 2m 26s
13: learn: 0.2845754     total: 1.97s   remaining: 2m 18s
14: learn: 0.2781042     total: 1.98s   remaining: 2m 10s
15: learn: 0.2721763     total: 1.99s   remaining: 2m 2s
16: learn: 0.2662455     total: 2.12s   remaining: 2m 2s
17: learn: 0.2606401     total: 2.15s   remaining: 1m 57s
18: learn: 0.2551500     total: 2.15s   remaining: 1m 51s
19: learn: 0.2507923     total: 2.2s    remaining: 1m 47s
20: learn: 0.2457699     total: 2.29s   remaining: 1m 46s
21: learn: 0.2414931     total: 2.38s   remaining: 1m 45s
22: learn: 0.2370844     total: 2.39s   remaining: 1m 41s
23: learn: 0.2322199     total: 2.42s   remaining: 1m 38s
24: learn: 0.2281666     total: 2.53s   remaining: 1m 38s
25: learn: 0.2240374     total: 2.58s   remaining: 1m 36s
26: learn: 0.2201122     total: 2.61s   remaining: 1m 34s
27: learn: 0.2161568     total: 2.65s   remaining: 1m 32s
28: learn: 0.2127767     total: 2.67s   remaining: 1m 29s
29: learn: 0.2093580     total: 2.75s   remaining: 1m 29s
30: learn: 0.2062472     total: 2.85s   remaining: 1m 29s
31: learn: 0.2030397     total: 2.87s   remaining: 1m 26s
32: learn: 0.1999093     total: 2.94s   remaining: 1m 26s
33: learn: 0.1969204     total: 2.98s   remaining: 1m 24s
34: learn: 0.1941385     total: 3.02s   remaining: 1m 23s
35: learn: 0.1915408     total: 3.08s   remaining: 1m 22s
36: learn: 0.1891888     total: 3.1s    remaining: 1m 20s
37: learn: 0.1868311     total: 3.14s   remaining: 1m 19s
38: learn: 0.1842810     total: 3.15s   remaining: 1m 17s
39: learn: 0.1817755     total: 3.36s   remaining: 1m 20s
40: learn: 0.1797225     total: 3.44s   remaining: 1m 20s
41: learn: 0.1772287     total: 3.45s   remaining: 1m 18s
42: learn: 0.1747752     total: 3.52s   remaining: 1m 18s
43: learn: 0.1728281     total: 3.54s   remaining: 1m 16s
44: learn: 0.1710338     total: 3.56s   remaining: 1m 15s
45: learn: 0.1690071     total: 3.61s   remaining: 1m 14s
46: learn: 0.1674623     total: 3.65s   remaining: 1m 14s
47: learn: 0.1656211     total: 3.96s   remaining: 1m 18s
48: learn: 0.1639974     total: 3.96s   remaining: 1m 16s
49: learn: 0.1624327     total: 4.05s   remaining: 1m 17s
50: learn: 0.1607223     total: 4.08s   remaining: 1m 15s
51: learn: 0.1590040     total: 4.09s   remaining: 1m 14s
52: learn: 0.1575644     total: 4.14s   remaining: 1m 14s
53: learn: 0.1562508     total: 4.21s   remaining: 1m 13s
54: learn: 0.1547533     total: 4.25s   remaining: 1m 13s
55: learn: 0.1533903     total: 4.3s    remaining: 1m 12s
56: learn: 0.1522170     total: 4.31s   remaining: 1m 11s
57: learn: 0.1510213     total: 4.34s   remaining: 1m 10s
58: learn: 0.1498141     total: 4.37s   remaining: 1m 9s
59: learn: 0.1488393     total: 4.48s   remaining: 1m 10s
60: learn: 0.1478491     total: 4.52s   remaining: 1m 9s
61: learn: 0.1464966     total: 4.57s   remaining: 1m 9s
62: learn: 0.1455316     total: 4.61s   remaining: 1m 8s

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63: learn: 0.1445396    total: 4.69s  remaining: 1m 8s
64: learn: 0.1433011    total: 4.74s  remaining: 1m 8s
65: learn: 0.1422404    total: 4.92s  remaining: 1m 9s
66: learn: 0.1411077    total: 4.93s  remaining: 1m 8s
67: learn: 0.1403408    total: 5.05s  remaining: 1m 9s
68: learn: 0.1395103    total: 5.06s  remaining: 1m 8s
69: learn: 0.1386707    total: 5.13s  remaining: 1m 8s
70: learn: 0.1377674    total: 5.16s  remaining: 1m 7s
71: learn: 0.1369764    total: 5.22s  remaining: 1m 7s
72: learn: 0.1362123    total: 5.23s  remaining: 1m 6s
73: learn: 0.1352778    total: 5.32s  remaining: 1m 6s
74: learn: 0.1346111    total: 5.34s  remaining: 1m 5s
75: learn: 0.1337297    total: 5.42s  remaining: 1m 5s
76: learn: 0.1330033    total: 5.46s  remaining: 1m 5s
77: learn: 0.1322540    total: 5.47s  remaining: 1m 4s
78: learn: 0.1313566    total: 5.54s  remaining: 1m 4s
79: learn: 0.1306388    total: 5.59s  remaining: 1m 4s
80: learn: 0.1299515    total: 5.61s  remaining: 1m 3s
81: learn: 0.1293030    total: 5.66s  remaining: 1m 3s
82: learn: 0.1286589    total: 5.68s  remaining: 1m 2s
83: learn: 0.1281005    total: 5.69s  remaining: 1m 2s
84: learn: 0.1275630    total: 5.78s  remaining: 1m 2s
85: learn: 0.1268111    total: 5.81s  remaining: 1m 1s
86: learn: 0.1261731    total: 5.88s  remaining: 1m 1s
87: learn: 0.1256410    total: 5.9s   remaining: 1m 1s
88: learn: 0.1250389    total: 5.93s  remaining: 1m
89: learn: 0.1243708    total: 5.97s  remaining: 1m
90: learn: 0.1237045    total: 6.08s  remaining: 1m
91: learn: 0.1232053    total: 6.12s  remaining: 1m
92: learn: 0.1226370    total: 6.22s  remaining: 1m
93: learn: 0.1221916    total: 6.25s  remaining: 1m
94: learn: 0.1216680    total: 6.27s  remaining: 59.7s
95: learn: 0.1211017    total: 6.34s  remaining: 59.7s
96: learn: 0.1206030    total: 6.35s  remaining: 59.1s
97: learn: 0.1201399    total: 6.37s  remaining: 58.6s
98: learn: 0.1196710    total: 6.46s  remaining: 58.8s
99: learn: 0.1191872    total: 6.62s  remaining: 59.6s
100: learn: 0.1187695   total: 6.68s  remaining: 59.5s
101: learn: 0.1183888   total: 6.7s   remaining: 59s
102: learn: 0.1178757   total: 6.85s  remaining: 59.7s
103: learn: 0.1174736   total: 6.9s   remaining: 59.5s
104: learn: 0.1170074   total: 6.97s  remaining: 59.4s
105: learn: 0.1166215   total: 7s    remaining: 59s
106: learn: 0.1162992   total: 7.03s  remaining: 58.7s
107: learn: 0.1159606   total: 7.21s  remaining: 59.5s
108: learn: 0.1154889   total: 7.32s  remaining: 59.9s
109: learn: 0.1152570   total: 7.48s  remaining: 1m
110: learn: 0.1149508   total: 7.54s  remaining: 1m
111: learn: 0.1145205   total: 7.62s  remaining: 1m
112: learn: 0.1142434   total: 7.68s  remaining: 1m
113: learn: 0.1139273   total: 7.72s  remaining: 60s
114: learn: 0.1136435   total: 7.74s  remaining: 59.6s
115: learn: 0.1132749   total: 7.78s  remaining: 59.3s
116: learn: 0.1128352   total: 7.85s  remaining: 59.2s
117: learn: 0.1125290   total: 7.86s  remaining: 58.8s
118: learn: 0.1123428   total: 7.92s  remaining: 58.6s
119: learn: 0.1120553   total: 8.02s  remaining: 58.8s
120: learn: 0.1117565   total: 8.09s  remaining: 58.8s
121: learn: 0.1114779   total: 8.12s  remaining: 58.4s
122: learn: 0.1111840   total: 8.2s   remaining: 58.5s
123: learn: 0.1109646   total: 8.23s  remaining: 58.2s
124: learn: 0.1105465   total: 8.3s   remaining: 58.1s
125: learn: 0.1102837   total: 8.31s  remaining: 57.6s
126: learn: 0.1099627   total: 8.33s  remaining: 57.3s

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127: learn: 0.1097498    total: 8.37s   remaining: 57s
128: learn: 0.1094488    total: 8.43s   remaining: 56.9s
129: learn: 0.1092522    total: 8.46s   remaining: 56.6s
130: learn: 0.1089552    total: 8.49s   remaining: 56.3s
131: learn: 0.1086312    total: 8.55s   remaining: 56.2s
132: learn: 0.1082226    total: 8.61s   remaining: 56.1s
133: learn: 0.1079126    total: 8.67s   remaining: 56s
134: learn: 0.1076159    total: 8.74s   remaining: 56s
135: learn: 0.1072581    total: 8.79s   remaining: 55.8s
136: learn: 0.1069792    total: 8.81s   remaining: 55.5s
137: learn: 0.1067776    total: 8.82s   remaining: 55.1s
138: learn: 0.1065996    total: 8.83s   remaining: 54.7s
139: learn: 0.1064148    total: 8.87s   remaining: 54.5s
140: learn: 0.1062170    total: 8.89s   remaining: 54.1s
141: learn: 0.1059644    total: 8.9s    remaining: 53.8s
142: learn: 0.1056847    total: 8.94s   remaining: 53.6s
143: learn: 0.1054978    total: 8.96s   remaining: 53.3s
144: learn: 0.1053652    total: 9s     remaining: 53.1s
145: learn: 0.1051718    total: 9s     remaining: 52.7s
146: learn: 0.1049216    total: 9.07s   remaining: 52.6s
147: learn: 0.1046761    total: 9.1s    remaining: 52.4s
148: learn: 0.1044373    total: 9.1s    remaining: 52s
149: learn: 0.1041572    total: 9.11s   remaining: 51.6s
150: learn: 0.1039283    total: 9.11s   remaining: 51.2s
151: learn: 0.1035519    total: 9.12s   remaining: 50.9s
152: learn: 0.1033220    total: 9.14s   remaining: 50.6s
153: learn: 0.1030969    total: 9.17s   remaining: 50.4s
154: learn: 0.1028871    total: 9.21s   remaining: 50.2s
155: learn: 0.1026471    total: 9.26s   remaining: 50.1s
156: learn: 0.1024514    total: 9.3s    remaining: 49.9s
157: learn: 0.1022368    total: 9.37s   remaining: 49.9s
158: learn: 0.1020075    total: 9.45s   remaining: 50s

Learning rate set to 0.04196
0: learn: 0.3866887    total: 653ms  remaining: 10m 52s
1: learn: 0.3758750    total: 1.08s   remaining: 8m 59s
2: learn: 0.3658887    total: 1.69s   remaining: 9m 21s
3: learn: 0.3562298    total: 1.86s   remaining: 7m 42s
4: learn: 0.3470335    total: 1.94s   remaining: 6m 26s
5: learn: 0.3384237    total: 2.01s   remaining: 5m 32s
6: learn: 0.3300182    total: 2.04s   remaining: 4m 49s
7: learn: 0.3214587    total: 2.09s   remaining: 4m 19s
8: learn: 0.3135003    total: 2.21s   remaining: 4m 3s
9: learn: 0.3067553    total: 2.22s   remaining: 3m 39s
10: learn: 0.2989915   total: 2.27s   remaining: 3m 24s
11: learn: 0.2920666   total: 2.34s   remaining: 3m 13s
12: learn: 0.2854249   total: 2.37s   remaining: 2m 59s
13: learn: 0.2787823   total: 2.45s   remaining: 2m 52s
14: learn: 0.2724643   total: 2.5s    remaining: 2m 43s
15: learn: 0.2663766   total: 2.56s   remaining: 2m 37s
16: learn: 0.2607696   total: 2.6s    remaining: 2m 30s
17: learn: 0.2553846   total: 2.63s   remaining: 2m 23s
18: learn: 0.2505287   total: 2.68s   remaining: 2m 18s
19: learn: 0.2458357   total: 2.7s    remaining: 2m 12s
20: learn: 0.2406659   total: 2.74s   remaining: 2m 7s
21: learn: 0.2357012   total: 2.76s   remaining: 2m 2s
22: learn: 0.2309785   total: 2.83s   remaining: 2m
23: learn: 0.2268545   total: 2.9s    remaining: 1m 57s
24: learn: 0.2227938   total: 2.94s   remaining: 1m 54s
25: learn: 0.2185905   total: 2.96s   remaining: 1m 51s
26: learn: 0.2144858   total: 3.01s   remaining: 1m 48s
27: learn: 0.2107646   total: 3.07s   remaining: 1m 46s
28: learn: 0.2070819   total: 3.1s    remaining: 1m 43s
29: learn: 0.2035525   total: 3.14s   remaining: 1m 41s
30: learn: 0.2002111   total: 3.18s   remaining: 1m 39s

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		houses_kaggle_competition_refined
31:	learn: 0.1971971	total: 3.23s remaining: 1m 37s
32:	learn: 0.1942440	total: 3.29s remaining: 1m 36s
33:	learn: 0.1911177	total: 3.34s remaining: 1m 34s
34:	learn: 0.1885049	total: 3.42s remaining: 1m 34s
35:	learn: 0.1859630	total: 3.45s remaining: 1m 32s
36:	learn: 0.1833407	total: 3.49s remaining: 1m 30s
37:	learn: 0.1808047	total: 3.54s remaining: 1m 29s
38:	learn: 0.1785581	total: 3.59s remaining: 1m 28s
39:	learn: 0.1761272	total: 3.63s remaining: 1m 27s
40:	learn: 0.1738542	total: 3.66s remaining: 1m 25s
41:	learn: 0.1716766	total: 3.75s remaining: 1m 25s
42:	learn: 0.1696589	total: 3.8s remaining: 1m 24s
43:	learn: 0.1679743	total: 3.86s remaining: 1m 23s
44:	learn: 0.1658016	total: 3.93s remaining: 1m 23s
45:	learn: 0.1641444	total: 3.94s remaining: 1m 21s
46:	learn: 0.1624075	total: 4.01s remaining: 1m 21s
47:	learn: 0.1606870	total: 4.06s remaining: 1m 20s
48:	learn: 0.1590824	total: 4.07s remaining: 1m 18s
49:	learn: 0.1573584	total: 4.1s remaining: 1m 17s
50:	learn: 0.1557154	total: 4.12s remaining: 1m 16s
51:	learn: 0.1542698	total: 4.14s remaining: 1m 15s
52:	learn: 0.1526672	total: 4.19s remaining: 1m 14s
53:	learn: 0.1513507	total: 4.2s remaining: 1m 13s
54:	learn: 0.1500450	total: 4.27s remaining: 1m 13s
55:	learn: 0.1486576	total: 4.31s remaining: 1m 12s
56:	learn: 0.1474885	total: 4.32s remaining: 1m 11s
57:	learn: 0.1462038	total: 4.41s remaining: 1m 11s
58:	learn: 0.1450666	total: 4.48s remaining: 1m 11s
59:	learn: 0.1440074	total: 4.49s remaining: 1m 10s
60:	learn: 0.1427667	total: 4.57s remaining: 1m 10s
61:	learn: 0.1417328	total: 4.66s remaining: 1m 10s
62:	learn: 0.1408176	total: 4.7s remaining: 1m 9s
63:	learn: 0.1398070	total: 4.79s remaining: 1m 10s
64:	learn: 0.1388742	total: 4.89s remaining: 1m 10s
65:	learn: 0.1379833	total: 4.97s remaining: 1m 10s
66:	learn: 0.1370982	total: 5.05s remaining: 1m 10s
67:	learn: 0.1361049	total: 5.06s remaining: 1m 9s
68:	learn: 0.1352656	total: 5.11s remaining: 1m 8s
69:	learn: 0.1342242	total: 5.17s remaining: 1m 8s
70:	learn: 0.1333717	total: 5.22s remaining: 1m 8s
71:	learn: 0.1324689	total: 5.32s remaining: 1m 8s
72:	learn: 0.1316182	total: 5.34s remaining: 1m 7s
73:	learn: 0.1309258	total: 5.39s remaining: 1m 7s
74:	learn: 0.1301682	total: 5.44s remaining: 1m 7s
75:	learn: 0.1293887	total: 5.46s remaining: 1m 6s
76:	learn: 0.1285209	total: 5.51s remaining: 1m 6s
77:	learn: 0.1279659	total: 5.56s remaining: 1m 5s
78:	learn: 0.1273391	total: 5.58s remaining: 1m 5s
79:	learn: 0.1265597	total: 5.59s remaining: 1m 4s
80:	learn: 0.1259386	total: 5.68s remaining: 1m 4s
81:	learn: 0.1252608	total: 5.71s remaining: 1m 3s
82:	learn: 0.1246057	total: 5.72s remaining: 1m 3s
83:	learn: 0.1239844	total: 5.85s remaining: 1m 3s
84:	learn: 0.1232972	total: 5.9s remaining: 1m 3s
85:	learn: 0.1225493	total: 5.91s remaining: 1m 2s
86:	learn: 0.1221076	total: 5.99s remaining: 1m 2s
87:	learn: 0.1215253	total: 6.03s remaining: 1m 2s
88:	learn: 0.1210225	total: 6.08s remaining: 1m 2s
89:	learn: 0.1206069	total: 6.12s remaining: 1m 1s
90:	learn: 0.1201057	total: 6.17s remaining: 1m 1s
91:	learn: 0.1196104	total: 6.19s remaining: 1m 1s
92:	learn: 0.1192359	total: 6.2s remaining: 1m
93:	learn: 0.1186404	total: 6.21s remaining: 59.8s
94:	learn: 0.1182240	total: 6.31s remaining: 1m

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95: learn: 0.1178165    total: 6.33s  remaining: 59.6s
96: learn: 0.1174790    total: 6.43s  remaining: 59.9s
97: learn: 0.1169871    total: 6.48s  remaining: 59.6s
98: learn: 0.1162781    total: 6.54s  remaining: 59.5s
99: learn: 0.1157740    total: 6.62s  remaining: 59.6s
100: learn: 0.1152369   total: 6.68s  remaining: 59.5s
101: learn: 0.1148977   total: 6.76s  remaining: 59.5s
102: learn: 0.1146403   total: 6.82s  remaining: 59.4s
103: learn: 0.1140717   total: 6.83s  remaining: 58.9s
104: learn: 0.1136166   total: 6.89s  remaining: 58.7s
105: learn: 0.1131923   total: 6.96s  remaining: 58.7s
106: learn: 0.1127728   total: 7.09s  remaining: 59.2s
107: learn: 0.1124338   total: 7.27s  remaining: 1m
108: learn: 0.1120223   total: 7.36s  remaining: 1m
109: learn: 0.1116106   total: 7.4s   remaining: 59.9s
110: learn: 0.1113030   total: 7.45s  remaining: 59.7s
111: learn: 0.1108347   total: 7.5s   remaining: 59.4s
112: learn: 0.1105484   total: 7.59s  remaining: 59.6s
113: learn: 0.1101975   total: 7.64s  remaining: 59.4s
114: learn: 0.1098729   total: 7.65s  remaining: 58.9s
115: learn: 0.1094891   total: 7.75s  remaining: 59s
116: learn: 0.1092428   total: 7.87s  remaining: 59.4s
117: learn: 0.1089195   total: 7.9s   remaining: 59.1s
118: learn: 0.1086139   total: 7.94s  remaining: 58.8s
119: learn: 0.1083645   total: 8s    remaining: 58.7s
120: learn: 0.1081019   total: 8.05s  remaining: 58.5s
121: learn: 0.1078127   total: 8.07s  remaining: 58s
122: learn: 0.1075085   total: 8.11s  remaining: 57.8s
123: learn: 0.1070669   total: 8.21s  remaining: 58s
124: learn: 0.1067780   total: 8.26s  remaining: 57.8s
125: learn: 0.1064950   total: 8.26s  remaining: 57.3s
126: learn: 0.1062266   total: 8.29s  remaining: 57s
127: learn: 0.1059566   total: 8.31s  remaining: 56.6s
128: learn: 0.1056928   total: 8.38s  remaining: 56.6s
129: learn: 0.1054391   total: 8.45s  remaining: 56.5s
130: learn: 0.1052046   total: 8.49s  remaining: 56.3s
131: learn: 0.1048859   total: 8.49s  remaining: 55.8s
132: learn: 0.1046103   total: 8.54s  remaining: 55.7s
133: learn: 0.1043394   total: 8.61s  remaining: 55.6s
134: learn: 0.1040681   total: 8.69s  remaining: 55.7s
135: learn: 0.1038044   total: 8.72s  remaining: 55.4s
136: learn: 0.1035783   total: 8.75s  remaining: 55.1s
137: learn: 0.1033624   total: 8.76s  remaining: 54.7s
138: learn: 0.1029793   total: 8.88s  remaining: 55s
139: learn: 0.1027321   total: 9.05s  remaining: 55.6s
140: learn: 0.1025383   total: 9.1s   remaining: 55.4s
141: learn: 0.1023032   total: 9.17s  remaining: 55.4s
142: learn: 0.1018895   total: 9.23s  remaining: 55.3s
143: learn: 0.1016763   total: 9.24s  remaining: 54.9s
144: learn: 0.1013696   total: 9.32s  remaining: 54.9s
145: learn: 0.1011347   total: 9.35s  remaining: 54.7s
146: learn: 0.1009195   total: 9.36s  remaining: 54.3s
147: learn: 0.1006445   total: 9.42s  remaining: 54.3s
148: learn: 0.1004352   total: 9.48s  remaining: 54.2s
149: learn: 0.1002129   total: 9.62s  remaining: 54.5s
150: learn: 0.0998955   total: 9.62s  remaining: 54.1s
151: learn: 0.0997128   total: 9.65s  remaining: 53.8s
152: learn: 0.0994967   total: 9.72s  remaining: 53.8s
153: learn: 0.0993237   total: 9.99s  remaining: 54.9s
154: learn: 0.0990543   total: 10s   remaining: 54.7s
155: learn: 0.0988647   total: 10.1s  remaining: 54.8s
156: learn: 0.0986745   total: 10.2s  remaining: 54.9s
157: learn: 0.0983949   total: 10.3s  remaining: 54.7s

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Learning rate set to 0.04196

0:	learn: 0.3907678	total: 476ms	remaining: 7m 55s
1:	learn: 0.3800997	total: 759ms	remaining: 6m 18s
2:	learn: 0.3705916	total: 1.27s	remaining: 7m 3s
3:	learn: 0.3609780	total: 1.68s	remaining: 6m 59s
4:	learn: 0.3517325	total: 1.89s	remaining: 6m 15s
5:	learn: 0.3427916	total: 1.93s	remaining: 5m 19s
6:	learn: 0.3339225	total: 2.04s	remaining: 4m 49s
7:	learn: 0.3256304	total: 2.04s	remaining: 4m 13s
8:	learn: 0.3177043	total: 2.08s	remaining: 3m 49s
9:	learn: 0.3102842	total: 2.1s	remaining: 3m 27s
10:	learn: 0.3031393	total: 2.16s	remaining: 3m 14s
11:	learn: 0.2960918	total: 2.17s	remaining: 2m 58s
12:	learn: 0.2891334	total: 2.24s	remaining: 2m 50s
13:	learn: 0.2823671	total: 2.27s	remaining: 2m 39s
14:	learn: 0.2765202	total: 2.33s	remaining: 2m 33s
15:	learn: 0.2708451	total: 2.38s	remaining: 2m 26s
16:	learn: 0.2647714	total: 2.48s	remaining: 2m 23s
17:	learn: 0.2594219	total: 2.49s	remaining: 2m 15s
18:	learn: 0.2539075	total: 2.56s	remaining: 2m 12s
19:	learn: 0.2488286	total: 2.64s	remaining: 2m 9s
20:	learn: 0.2441008	total: 2.67s	remaining: 2m 4s
21:	learn: 0.2388884	total: 2.68s	remaining: 1m 59s
22:	learn: 0.2340459	total: 2.8s	remaining: 1m 59s
23:	learn: 0.2296802	total: 2.82s	remaining: 1m 54s
24:	learn: 0.2259151	total: 2.85s	remaining: 1m 51s
25:	learn: 0.2221647	total: 2.91s	remaining: 1m 49s
26:	learn: 0.2180573	total: 2.92s	remaining: 1m 45s
27:	learn: 0.2142495	total: 2.99s	remaining: 1m 43s
28:	learn: 0.2104597	total: 3.06s	remaining: 1m 42s
29:	learn: 0.2069430	total: 3.1s	remaining: 1m 40s
30:	learn: 0.2035689	total: 3.16s	remaining: 1m 38s
31:	learn: 0.2004054	total: 3.22s	remaining: 1m 37s
32:	learn: 0.1972194	total: 3.32s	remaining: 1m 37s
33:	learn: 0.1937230	total: 3.37s	remaining: 1m 35s
34:	learn: 0.1907796	total: 3.45s	remaining: 1m 35s
35:	learn: 0.1877275	total: 3.52s	remaining: 1m 34s
36:	learn: 0.1851395	total: 3.62s	remaining: 1m 34s
37:	learn: 0.1824545	total: 3.68s	remaining: 1m 33s
38:	learn: 0.1801410	total: 3.73s	remaining: 1m 31s
39:	learn: 0.1780960	total: 3.84s	remaining: 1m 32s
40:	learn: 0.1759916	total: 4s	remaining: 1m 33s
41:	learn: 0.1739338	total: 4.01s	remaining: 1m 31s
42:	learn: 0.1717063	total: 4.09s	remaining: 1m 30s
43:	learn: 0.1698405	total: 4.1s	remaining: 1m 29s
44:	learn: 0.1680039	total: 4.13s	remaining: 1m 27s
45:	learn: 0.1661964	total: 4.14s	remaining: 1m 25s
46:	learn: 0.1641754	total: 4.19s	remaining: 1m 24s
47:	learn: 0.1626094	total: 4.23s	remaining: 1m 23s
48:	learn: 0.1610781	total: 4.26s	remaining: 1m 22s
49:	learn: 0.1594972	total: 4.32s	remaining: 1m 22s
50:	learn: 0.1579892	total: 4.38s	remaining: 1m 21s
51:	learn: 0.1565850	total: 4.44s	remaining: 1m 20s
52:	learn: 0.1551086	total: 4.5s	remaining: 1m 20s
53:	learn: 0.1534398	total: 4.56s	remaining: 1m 19s
54:	learn: 0.1522409	total: 4.61s	remaining: 1m 19s
55:	learn: 0.1506241	total: 4.69s	remaining: 1m 19s
56:	learn: 0.1492821	total: 4.7s	remaining: 1m 17s
57:	learn: 0.1480797	total: 4.78s	remaining: 1m 17s
58:	learn: 0.1468799	total: 4.84s	remaining: 1m 17s
59:	learn: 0.1456865	total: 4.88s	remaining: 1m 16s
60:	learn: 0.1445684	total: 4.91s	remaining: 1m 15s
61:	learn: 0.1435002	total: 4.95s	remaining: 1m 14s
62:	learn: 0.1424542	total: 4.98s	remaining: 1m 14s
63:	learn: 0.1414118	total: 5.02s	remaining: 1m 13s

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64: learn: 0.1403566    total: 5.12s  remaining: 1m 13s
65: learn: 0.1393948    total: 5.15s  remaining: 1m 12s
66: learn: 0.1385133    total: 5.16s  remaining: 1m 11s
67: learn: 0.1375112    total: 5.19s  remaining: 1m 11s
68: learn: 0.1367566    total: 5.26s  remaining: 1m 11s
69: learn: 0.1359924    total: 5.3s   remaining: 1m 10s
70: learn: 0.1350510    total: 5.36s  remaining: 1m 10s
71: learn: 0.1341331    total: 5.44s  remaining: 1m 10s
72: learn: 0.1332729    total: 5.53s  remaining: 1m 10s
73: learn: 0.1324774    total: 5.54s  remaining: 1m 9s
74: learn: 0.1318471    total: 5.64s  remaining: 1m 9s
75: learn: 0.1311207    total: 5.66s  remaining: 1m 8s
76: learn: 0.1304516    total: 5.69s  remaining: 1m 8s
77: learn: 0.1297269    total: 5.75s  remaining: 1m 7s
78: learn: 0.1288887    total: 5.82s  remaining: 1m 7s
79: learn: 0.1282372    total: 5.87s  remaining: 1m 7s
80: learn: 0.1276510    total: 5.91s  remaining: 1m 7s
81: learn: 0.1269587    total: 5.95s  remaining: 1m 6s
82: learn: 0.1263028    total: 6s    remaining: 1m 6s
83: learn: 0.1257268    total: 6.04s  remaining: 1m 5s
84: learn: 0.1251554    total: 6.06s  remaining: 1m 5s
85: learn: 0.1247434    total: 6.11s  remaining: 1m 4s
86: learn: 0.1241806    total: 6.12s  remaining: 1m 4s
87: learn: 0.1236362    total: 6.18s  remaining: 1m 4s
88: learn: 0.1230232    total: 6.22s  remaining: 1m 3s
89: learn: 0.1226360    total: 6.29s  remaining: 1m 3s
90: learn: 0.1221829    total: 6.41s  remaining: 1m 4s
91: learn: 0.1216445    total: 6.58s  remaining: 1m 4s
92: learn: 0.1211334    total: 6.66s  remaining: 1m 4s
93: learn: 0.1206138    total: 6.68s  remaining: 1m 4s
94: learn: 0.1201698    total: 6.75s  remaining: 1m 4s
95: learn: 0.1197464    total: 6.76s  remaining: 1m 3s
96: learn: 0.1192354    total: 6.83s  remaining: 1m 3s
97: learn: 0.1187302    total: 6.91s  remaining: 1m 3s
98: learn: 0.1181438    total: 6.97s  remaining: 1m 3s
99: learn: 0.1176948    total: 7.1s   remaining: 1m 3s
100: learn: 0.1172473   total: 7.2s   remaining: 1m 4s
101: learn: 0.1167604   total: 7.25s  remaining: 1m 3s
102: learn: 0.1162666   total: 7.26s  remaining: 1m 3s
103: learn: 0.1158529   total: 7.39s  remaining: 1m 3s
104: learn: 0.1155707   total: 7.44s  remaining: 1m 3s
105: learn: 0.1151963   total: 7.5s   remaining: 1m 3s
106: learn: 0.1147893   total: 7.56s  remaining: 1m 3s
107: learn: 0.1142959   total: 7.63s  remaining: 1m 3s
108: learn: 0.1139666   total: 7.69s  remaining: 1m 2s
109: learn: 0.1136459   total: 7.75s  remaining: 1m 2s
110: learn: 0.1132716   total: 7.88s  remaining: 1m 3s
111: learn: 0.1129949   total: 7.92s  remaining: 1m 2s
112: learn: 0.1125981   total: 8.01s  remaining: 1m 2s
113: learn: 0.1122546   total: 8.05s  remaining: 1m 2s
114: learn: 0.1118889   total: 8.11s  remaining: 1m 2s
115: learn: 0.1115404   total: 8.18s  remaining: 1m 2s
116: learn: 0.1111933   total: 8.22s  remaining: 1m 2s
117: learn: 0.1109653   total: 8.29s  remaining: 1m 1s
118: learn: 0.1107138   total: 8.42s  remaining: 1m 2s
119: learn: 0.1104225   total: 8.43s  remaining: 1m 1s
120: learn: 0.1102288   total: 8.45s  remaining: 1m 1s
121: learn: 0.1098866   total: 8.49s  remaining: 1m 1s
122: learn: 0.1096423   total: 8.52s  remaining: 1m
123: learn: 0.1092017   total: 8.59s  remaining: 1m
124: learn: 0.1089402   total: 8.63s  remaining: 1m
125: learn: 0.1088131   total: 8.65s  remaining: 1m
126: learn: 0.1085119   total: 8.71s  remaining: 59.9s
127: learn: 0.1083001   total: 8.74s  remaining: 59.6s

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128: learn: 0.1080272    total: 8.79s  remaining: 59.3s
129: learn: 0.1077471    total: 8.84s  remaining: 59.1s
130: learn: 0.1074932    total: 8.97s  remaining: 59.5s
131: learn: 0.1071772    total: 8.98s  remaining: 59.1s
132: learn: 0.1069375    total: 9.11s  remaining: 59.4s
133: learn: 0.1066427    total: 9.21s  remaining: 59.5s
134: learn: 0.1064864    total: 9.23s  remaining: 59.1s
135: learn: 0.1062686    total: 9.23s  remaining: 58.6s
136: learn: 0.1060625    total: 9.3s   remaining: 58.6s
137: learn: 0.1059001    total: 9.41s  remaining: 58.8s
138: learn: 0.1056669    total: 9.51s  remaining: 58.9s
139: learn: 0.1054048    total: 9.57s  remaining: 58.8s
140: learn: 0.1051817    total: 9.63s  remaining: 58.7s
141: learn: 0.1049000    total: 9.68s  remaining: 58.5s
142: learn: 0.1046677    total: 9.74s  remaining: 58.4s
143: learn: 0.1045016    total: 9.79s  remaining: 58.2s
144: learn: 0.1042703    total: 9.82s  remaining: 57.9s
145: learn: 0.1040382    total: 9.96s  remaining: 58.3s
146: learn: 0.1039903    total: 10s   remaining: 58.1s
147: learn: 0.1038071    total: 10s   remaining: 57.8s
148: learn: 0.1036164    total: 10.1s  remaining: 57.7s
149: learn: 0.1034521    total: 10.3s  remaining: 58.1s
150: learn: 0.1032751    total: 10.3s  remaining: 57.7s
151: learn: 0.1030243    total: 10.3s  remaining: 57.5s
152: learn: 0.1028125    total: 10.3s  remaining: 57.2s
153: learn: 0.1025144    total: 10.4s  remaining: 57.2s
154: learn: 0.1023444    total: 10.5s  remaining: 57.1s
155: learn: 0.1021609    total: 10.5s  remaining: 57s
156: learn: 0.1019737    total: 10.6s  remaining: 56.9s
157: learn: 0.1017478    total: 10.6s  remaining: 56.7s
159: learn: 0.1004188    total: 9.29s  remaining: 48.8s
160: learn: 0.1002943    total: 9.32s  remaining: 48.6s
161: learn: 0.1000765    total: 9.35s  remaining: 48.4s
162: learn: 0.0998751    total: 9.49s  remaining: 48.7s
163: learn: 0.0995956    total: 9.54s  remaining: 48.6s
164: learn: 0.0994459    total: 9.65s  remaining: 48.8s
165: learn: 0.0993657    total: 9.66s  remaining: 48.5s
166: learn: 0.0991443    total: 9.8s   remaining: 48.9s
167: learn: 0.0989574    total: 9.83s  remaining: 48.7s
168: learn: 0.0987354    total: 9.85s  remaining: 48.4s
169: learn: 0.0985476    total: 9.94s  remaining: 48.6s
170: learn: 0.0983413    total: 9.99s  remaining: 48.4s
171: learn: 0.0981783    total: 10.1s  remaining: 48.4s
172: learn: 0.0979220    total: 10.1s  remaining: 48.2s
173: learn: 0.0977735    total: 10.1s  remaining: 47.9s
174: learn: 0.0975052    total: 10.1s  remaining: 47.6s
175: learn: 0.0973887    total: 10.1s  remaining: 47.3s
176: learn: 0.0970526    total: 10.1s  remaining: 47s
177: learn: 0.0969652    total: 10.2s  remaining: 47.1s
178: learn: 0.0968012    total: 10.3s  remaining: 47.1s
179: learn: 0.0967007    total: 10.3s  remaining: 47s
180: learn: 0.0963638    total: 10.4s  remaining: 47.1s
181: learn: 0.0962825    total: 10.4s  remaining: 46.8s
182: learn: 0.0960871    total: 10.5s  remaining: 47s
183: learn: 0.0959306    total: 10.5s  remaining: 46.7s
184: learn: 0.0957122    total: 10.6s  remaining: 46.6s
185: learn: 0.0955102    total: 10.7s  remaining: 46.8s
186: learn: 0.0953431    total: 10.7s  remaining: 46.5s
187: learn: 0.0952407    total: 10.7s  remaining: 46.2s
188: learn: 0.0950687    total: 10.7s  remaining: 46.1s
189: learn: 0.0949661    total: 10.8s  remaining: 45.8s
190: learn: 0.0948619    total: 10.8s  remaining: 45.8s
191: learn: 0.0945741    total: 10.8s  remaining: 45.6s
192: learn: 0.0943820    total: 10.9s  remaining: 45.5s

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193:	learn: 0.0942398	total: 10.9s	remaining: 45.4s
194:	learn: 0.0941361	total: 11s	remaining: 45.2s
195:	learn: 0.0941000	total: 11s	remaining: 45s
196:	learn: 0.0939963	total: 11s	remaining: 44.8s
197:	learn: 0.0938078	total: 11s	remaining: 44.5s
198:	learn: 0.0936042	total: 11s	remaining: 44.3s
199:	learn: 0.0934443	total: 11s	remaining: 44.1s
200:	learn: 0.0932953	total: 11.1s	remaining: 44.3s
201:	learn: 0.0931880	total: 11.2s	remaining: 44.1s
202:	learn: 0.0930771	total: 11.2s	remaining: 44s
203:	learn: 0.0930011	total: 11.3s	remaining: 44s
204:	learn: 0.0929566	total: 11.3s	remaining: 43.8s
205:	learn: 0.0928456	total: 11.3s	remaining: 43.6s
206:	learn: 0.0927272	total: 11.3s	remaining: 43.4s
207:	learn: 0.0926111	total: 11.3s	remaining: 43.2s
208:	learn: 0.0925015	total: 11.4s	remaining: 43s
209:	learn: 0.0922310	total: 11.4s	remaining: 42.9s
210:	learn: 0.0920009	total: 11.4s	remaining: 42.8s
211:	learn: 0.0918995	total: 11.5s	remaining: 42.6s
212:	learn: 0.0917350	total: 11.5s	remaining: 42.5s
213:	learn: 0.0916187	total: 11.6s	remaining: 42.4s
214:	learn: 0.0915409	total: 11.6s	remaining: 42.2s
215:	learn: 0.0914906	total: 11.6s	remaining: 42s
216:	learn: 0.0914423	total: 11.6s	remaining: 41.9s
217:	learn: 0.0913071	total: 11.7s	remaining: 41.8s
218:	learn: 0.0912429	total: 11.7s	remaining: 41.7s
219:	learn: 0.0912035	total: 11.7s	remaining: 41.5s
220:	learn: 0.0910299	total: 11.8s	remaining: 41.6s
221:	learn: 0.0909760	total: 11.8s	remaining: 41.4s
222:	learn: 0.0907975	total: 11.8s	remaining: 41.3s
223:	learn: 0.0907409	total: 11.9s	remaining: 41.2s
224:	learn: 0.0905568	total: 12s	remaining: 41.2s
225:	learn: 0.0903551	total: 12s	remaining: 41.1s
226:	learn: 0.0902533	total: 12s	remaining: 40.9s
227:	learn: 0.0901906	total: 12.1s	remaining: 40.8s
228:	learn: 0.0901520	total: 12.2s	remaining: 41s
229:	learn: 0.0900551	total: 12.2s	remaining: 40.8s
230:	learn: 0.0899637	total: 12.2s	remaining: 40.7s
231:	learn: 0.0898944	total: 12.2s	remaining: 40.5s
232:	learn: 0.0896960	total: 12.3s	remaining: 40.5s
233:	learn: 0.0896570	total: 12.4s	remaining: 40.6s
234:	learn: 0.0893672	total: 12.5s	remaining: 40.5s
235:	learn: 0.0893347	total: 12.6s	remaining: 40.7s
236:	learn: 0.0892623	total: 12.6s	remaining: 40.6s
237:	learn: 0.0891717	total: 12.6s	remaining: 40.4s
238:	learn: 0.0889603	total: 12.6s	remaining: 40.3s
239:	learn: 0.0888374	total: 12.7s	remaining: 40.1s
240:	learn: 0.0887405	total: 12.7s	remaining: 39.9s
241:	learn: 0.0885162	total: 12.7s	remaining: 39.7s
242:	learn: 0.0884341	total: 12.7s	remaining: 39.6s
243:	learn: 0.0882470	total: 12.7s	remaining: 39.4s
244:	learn: 0.0882158	total: 12.8s	remaining: 39.3s
245:	learn: 0.0879609	total: 12.8s	remaining: 39.1s
246:	learn: 0.0877973	total: 12.8s	remaining: 39.1s
247:	learn: 0.0876084	total: 12.8s	remaining: 38.9s
248:	learn: 0.0875507	total: 12.9s	remaining: 38.8s
249:	learn: 0.0873162	total: 12.9s	remaining: 38.7s
250:	learn: 0.0871302	total: 12.9s	remaining: 38.5s
251:	learn: 0.0869542	total: 12.9s	remaining: 38.4s
252:	learn: 0.0866923	total: 12.9s	remaining: 38.2s
253:	learn: 0.0865168	total: 13s	remaining: 38.2s
254:	learn: 0.0863235	total: 13s	remaining: 38s
255:	learn: 0.0861689	total: 13s	remaining: 37.8s
256:	learn: 0.0861080	total: 13s	remaining: 37.7s

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257: learn: 0.0860800    total: 13.1s  remaining: 37.7s
258: learn: 0.0859311    total: 13.1s  remaining: 37.6s
259: learn: 0.0858130    total: 13.2s  remaining: 37.4s
260: learn: 0.0856971    total: 13.2s  remaining: 37.3s
261: learn: 0.0856345    total: 13.2s  remaining: 37.2s
262: learn: 0.0853929    total: 13.3s  remaining: 37.2s
263: learn: 0.0852782    total: 13.3s  remaining: 37.2s
264: learn: 0.0851810    total: 13.4s  remaining: 37.2s
265: learn: 0.0849802    total: 13.5s  remaining: 37.2s
266: learn: 0.0849547    total: 13.6s  remaining: 37.2s
267: learn: 0.0848644    total: 13.6s  remaining: 37.1s
268: learn: 0.0847631    total: 13.6s  remaining: 37s
269: learn: 0.0846024    total: 13.6s  remaining: 36.9s
270: learn: 0.0844310    total: 13.6s  remaining: 36.7s
271: learn: 0.0843784    total: 13.7s  remaining: 36.7s
272: learn: 0.0843547    total: 13.7s  remaining: 36.6s
273: learn: 0.0841053    total: 13.8s  remaining: 36.5s
274: learn: 0.0838512    total: 13.8s  remaining: 36.4s
275: learn: 0.0838276    total: 13.8s  remaining: 36.3s
276: learn: 0.0836608    total: 13.8s  remaining: 36.1s
277: learn: 0.0835195    total: 13.9s  remaining: 36s
278: learn: 0.0834869    total: 13.9s  remaining: 35.9s
279: learn: 0.0832732    total: 13.9s  remaining: 35.8s
280: learn: 0.0831211    total: 14s    remaining: 35.7s
281: learn: 0.0830993    total: 14s    remaining: 35.6s
282: learn: 0.0829436    total: 14s    remaining: 35.5s
283: learn: 0.0827664    total: 14.1s  remaining: 35.4s
284: learn: 0.0826610    total: 14.1s  remaining: 35.3s
285: learn: 0.0824771    total: 14.1s  remaining: 35.3s
286: learn: 0.0823152    total: 14.2s  remaining: 35.2s
287: learn: 0.0821840    total: 14.2s  remaining: 35s
288: learn: 0.0820759    total: 14.2s  remaining: 34.9s
289: learn: 0.0819212    total: 14.2s  remaining: 34.8s
290: learn: 0.0818273    total: 14.2s  remaining: 34.7s
291: learn: 0.0817046    total: 14.3s  remaining: 34.6s
292: learn: 0.0815951    total: 14.3s  remaining: 34.5s
293: learn: 0.0814403    total: 14.3s  remaining: 34.3s
294: learn: 0.0812019    total: 14.3s  remaining: 34.2s
295: learn: 0.0810724    total: 14.3s  remaining: 34.1s
296: learn: 0.0809326    total: 14.4s  remaining: 34.1s
297: learn: 0.0808324    total: 14.4s  remaining: 34s
298: learn: 0.0806867    total: 14.5s  remaining: 33.9s
299: learn: 0.0805669    total: 14.5s  remaining: 33.8s
300: learn: 0.0803997    total: 14.5s  remaining: 33.6s
301: learn: 0.0801638    total: 14.5s  remaining: 33.5s
302: learn: 0.0799774    total: 14.5s  remaining: 33.4s
303: learn: 0.0797751    total: 14.5s  remaining: 33.3s
304: learn: 0.0795107    total: 14.5s  remaining: 33.2s
305: learn: 0.0794952    total: 14.6s  remaining: 33s
306: learn: 0.0794778    total: 14.6s  remaining: 33s
307: learn: 0.0792727    total: 14.6s  remaining: 32.9s
308: learn: 0.0791431    total: 14.6s  remaining: 32.7s
309: learn: 0.0790179    total: 14.7s  remaining: 32.6s
310: learn: 0.0788917    total: 14.7s  remaining: 32.5s
311: learn: 0.0787136    total: 14.7s  remaining: 32.4s
312: learn: 0.0787013    total: 14.7s  remaining: 32.3s
313: learn: 0.0785834    total: 14.7s  remaining: 32.2s
314: learn: 0.0783958    total: 14.7s  remaining: 32s
315: learn: 0.0781704    total: 14.8s  remaining: 32s
316: learn: 0.0780314    total: 14.8s  remaining: 31.8s
159: learn: 0.1027010    total: 9.18s  remaining: 48.2s
160: learn: 0.1025203    total: 9.26s  remaining: 48.2s
161: learn: 0.1023014    total: 9.32s  remaining: 48.2s
162: learn: 0.1021095    total: 9.35s  remaining: 48s

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163: learn: 0.1019425      total: 9.37s  remaining: 47.8s
164: learn: 0.1017716      total: 9.39s  remaining: 47.5s
165: learn: 0.1016409      total: 9.49s  remaining: 47.7s
166: learn: 0.1014909      total: 9.59s  remaining: 47.9s
167: learn: 0.1013061      total: 9.66s  remaining: 47.8s
168: learn: 0.1011637      total: 9.82s  remaining: 48.3s
169: learn: 0.1009145      total: 9.93s  remaining: 48.5s
170: learn: 0.1007958      total: 10s    remaining: 48.6s
171: learn: 0.1005658      total: 10.1s  remaining: 48.5s
172: learn: 0.1003666      total: 10.1s  remaining: 48.3s
173: learn: 0.1001805      total: 10.1s  remaining: 48.1s
174: learn: 0.0999435      total: 10.2s  remaining: 48s
175: learn: 0.0997451      total: 10.2s  remaining: 47.7s
176: learn: 0.0995938      total: 10.2s  remaining: 47.7s
177: learn: 0.0994291      total: 10.3s  remaining: 47.7s
178: learn: 0.0992597      total: 10.4s  remaining: 47.5s
179: learn: 0.0991291      total: 10.4s  remaining: 47.4s
180: learn: 0.0990359      total: 10.4s  remaining: 47.2s
181: learn: 0.0988712      total: 10.4s  remaining: 46.9s
182: learn: 0.0986876      total: 10.5s  remaining: 46.7s
183: learn: 0.0985479      total: 10.5s  remaining: 46.8s
184: learn: 0.0984223      total: 10.6s  remaining: 46.6s
185: learn: 0.0982269      total: 10.7s  remaining: 46.8s
186: learn: 0.0980104      total: 10.7s  remaining: 46.7s
187: learn: 0.0978471      total: 10.8s  remaining: 46.9s
188: learn: 0.0975463      total: 10.9s  remaining: 46.7s
189: learn: 0.0974114      total: 10.9s  remaining: 46.6s
190: learn: 0.0972359      total: 11s    remaining: 46.5s
191: learn: 0.0970144      total: 11s    remaining: 46.4s
192: learn: 0.0968932      total: 11s    remaining: 46.2s
193: learn: 0.0967880      total: 11.2s  remaining: 46.4s
194: learn: 0.0965496      total: 11.2s  remaining: 46.3s
195: learn: 0.0964265      total: 11.3s  remaining: 46.2s
196: learn: 0.0963403      total: 11.3s  remaining: 46.1s
197: learn: 0.0961717      total: 11.4s  remaining: 46.1s
198: learn: 0.0960592      total: 11.4s  remaining: 45.9s
199: learn: 0.0959551      total: 11.4s  remaining: 45.7s
200: learn: 0.0958147      total: 11.5s  remaining: 45.5s
201: learn: 0.0956735      total: 11.5s  remaining: 45.4s
202: learn: 0.0955264      total: 11.5s  remaining: 45.2s
203: learn: 0.0953791      total: 11.5s  remaining: 45s
204: learn: 0.0952643      total: 11.6s  remaining: 44.9s
205: learn: 0.0951006      total: 11.6s  remaining: 44.8s
206: learn: 0.0949718      total: 11.6s  remaining: 44.5s
207: learn: 0.0948944      total: 11.6s  remaining: 44.3s
208: learn: 0.0946710      total: 11.7s  remaining: 44.1s
209: learn: 0.0944654      total: 11.7s  remaining: 43.9s
210: learn: 0.0942759      total: 11.7s  remaining: 43.7s
211: learn: 0.0941349      total: 11.7s  remaining: 43.5s
212: learn: 0.0940043      total: 11.8s  remaining: 43.4s
213: learn: 0.0938266      total: 11.8s  remaining: 43.4s
214: learn: 0.0937372      total: 11.8s  remaining: 43.2s
215: learn: 0.0936485      total: 11.9s  remaining: 43s
216: learn: 0.0935480      total: 11.9s  remaining: 42.9s
217: learn: 0.0933027      total: 11.9s  remaining: 42.8s
218: learn: 0.0931935      total: 11.9s  remaining: 42.6s
219: learn: 0.0930346      total: 12s    remaining: 42.7s
220: learn: 0.0929161      total: 12.1s  remaining: 42.6s
221: learn: 0.0928246      total: 12.1s  remaining: 42.5s
222: learn: 0.0927427      total: 12.2s  remaining: 42.4s
223: learn: 0.0925340      total: 12.2s  remaining: 42.2s
224: learn: 0.0924316      total: 12.2s  remaining: 42s
225: learn: 0.0923024      total: 12.2s  remaining: 41.9s
226: learn: 0.0922401      total: 12.3s  remaining: 41.7s

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227: learn: 0.0922096    total: 12.3s  remaining: 41.6s
228: learn: 0.0921084    total: 12.3s  remaining: 41.5s
229: learn: 0.0919612    total: 12.4s  remaining: 41.4s
230: learn: 0.0918783    total: 12.4s  remaining: 41.2s
231: learn: 0.0917223    total: 12.4s  remaining: 41.1s
232: learn: 0.0915030    total: 12.5s  remaining: 41s
233: learn: 0.0913205    total: 12.5s  remaining: 41s
234: learn: 0.0911773    total: 12.6s  remaining: 41s
235: learn: 0.0910360    total: 12.6s  remaining: 40.8s
236: learn: 0.0909229    total: 12.7s  remaining: 40.7s
237: learn: 0.0908639    total: 12.7s  remaining: 40.6s
238: learn: 0.0905850    total: 12.7s  remaining: 40.5s
239: learn: 0.0904855    total: 12.7s  remaining: 40.3s
240: learn: 0.0904228    total: 12.8s  remaining: 40.2s
241: learn: 0.0903248    total: 12.8s  remaining: 40.1s
242: learn: 0.0902663    total: 12.8s  remaining: 39.9s
243: learn: 0.0901499    total: 12.9s  remaining: 40s
244: learn: 0.0899618    total: 12.9s  remaining: 39.8s
245: learn: 0.0897822    total: 13s   remaining: 39.7s
246: learn: 0.0897225    total: 13s   remaining: 39.6s
247: learn: 0.0896234    total: 13s   remaining: 39.5s
248: learn: 0.0894220    total: 13s   remaining: 39.3s
249: learn: 0.0892753    total: 13.1s  remaining: 39.2s
250: learn: 0.0891648    total: 13.1s  remaining: 39s
251: learn: 0.0889860    total: 13.1s  remaining: 38.8s
252: learn: 0.0888538    total: 13.1s  remaining: 38.7s
253: learn: 0.0886659    total: 13.1s  remaining: 38.5s
254: learn: 0.0885950    total: 13.1s  remaining: 38.4s
255: learn: 0.0884114    total: 13.1s  remaining: 38.2s
256: learn: 0.0882685    total: 13.3s  remaining: 38.4s
257: learn: 0.0880699    total: 13.3s  remaining: 38.4s
258: learn: 0.0879878    total: 13.4s  remaining: 38.2s
259: learn: 0.0877882    total: 13.4s  remaining: 38.1s
260: learn: 0.0877470    total: 13.4s  remaining: 37.9s
261: learn: 0.0877169    total: 13.4s  remaining: 37.7s
262: learn: 0.0876910    total: 13.4s  remaining: 37.6s
263: learn: 0.0875540    total: 13.5s  remaining: 37.6s
264: learn: 0.0873968    total: 13.5s  remaining: 37.6s
265: learn: 0.0871904    total: 13.6s  remaining: 37.5s
266: learn: 0.0870265    total: 13.7s  remaining: 37.5s
267: learn: 0.0869133    total: 13.7s  remaining: 37.3s
268: learn: 0.0868866    total: 13.7s  remaining: 37.3s
269: learn: 0.0868000    total: 13.8s  remaining: 37.2s
270: learn: 0.0866793    total: 13.8s  remaining: 37s
271: learn: 0.0866541    total: 13.8s  remaining: 36.9s
272: learn: 0.0866309    total: 13.8s  remaining: 36.8s
273: learn: 0.0866038    total: 13.8s  remaining: 36.7s
274: learn: 0.0865778    total: 13.9s  remaining: 36.6s
275: learn: 0.0864222    total: 13.9s  remaining: 36.4s
276: learn: 0.0863047    total: 13.9s  remaining: 36.3s
277: learn: 0.0862223    total: 13.9s  remaining: 36.1s
278: learn: 0.0862005    total: 13.9s  remaining: 36s
279: learn: 0.0860713    total: 13.9s  remaining: 35.8s
280: learn: 0.0859287    total: 13.9s  remaining: 35.6s
281: learn: 0.0857345    total: 13.9s  remaining: 35.5s
282: learn: 0.0855178    total: 14s   remaining: 35.4s
283: learn: 0.0854290    total: 14s   remaining: 35.3s
284: learn: 0.0853470    total: 14s   remaining: 35.2s
285: learn: 0.0853304    total: 14.1s  remaining: 35.1s
286: learn: 0.0853108    total: 14.1s  remaining: 35s
287: learn: 0.0851649    total: 14.1s  remaining: 34.9s
288: learn: 0.0850130    total: 14.2s  remaining: 34.8s
289: learn: 0.0848564    total: 14.2s  remaining: 34.7s
290: learn: 0.0847393    total: 14.2s  remaining: 34.7s

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291: learn: 0.0846025      total: 14.3s  remaining: 34.6s
292: learn: 0.0844204      total: 14.3s  remaining: 34.4s
293: learn: 0.0842800      total: 14.3s  remaining: 34.3s
294: learn: 0.0840977      total: 14.3s  remaining: 34.2s
295: learn: 0.0840773      total: 14.3s  remaining: 34.1s
296: learn: 0.0839413      total: 14.4s  remaining: 34s
297: learn: 0.0838220      total: 14.4s  remaining: 34s
298: learn: 0.0836914      total: 14.5s  remaining: 33.9s
299: learn: 0.0836739      total: 14.5s  remaining: 33.9s
300: learn: 0.0836527      total: 14.5s  remaining: 33.7s
301: learn: 0.0835269      total: 14.6s  remaining: 33.7s
302: learn: 0.0834523      total: 14.6s  remaining: 33.6s
303: learn: 0.0832715      total: 14.6s  remaining: 33.5s
304: learn: 0.0832573      total: 14.7s  remaining: 33.4s
305: learn: 0.0831152      total: 14.7s  remaining: 33.3s
306: learn: 0.0830493      total: 14.7s  remaining: 33.2s
307: learn: 0.0829395      total: 14.7s  remaining: 33s
308: learn: 0.0827860      total: 14.7s  remaining: 32.9s
309: learn: 0.0826931      total: 14.8s  remaining: 32.9s
310: learn: 0.0825361      total: 14.8s  remaining: 32.8s
311: learn: 0.0824938      total: 14.8s  remaining: 32.6s
312: learn: 0.0823130      total: 14.8s  remaining: 32.5s
313: learn: 0.0821770      total: 14.8s  remaining: 32.4s
314: learn: 0.0820554      total: 14.9s  remaining: 32.3s
315: learn: 0.0819035      total: 14.9s  remaining: 32.3s
316: learn: 0.0817886      total: 14.9s  remaining: 32.2s
159: learn: 0.1016794      total: 9.51s  remaining: 49.9s
160: learn: 0.1014591      total: 9.58s  remaining: 49.9s
161: learn: 0.1013243      total: 9.63s  remaining: 49.8s
162: learn: 0.1011012      total: 9.66s  remaining: 49.6s
163: learn: 0.1007748      total: 9.71s  remaining: 49.5s
164: learn: 0.1005559      total: 9.73s  remaining: 49.2s
165: learn: 0.1002713      total: 9.78s  remaining: 49.2s
166: learn: 0.1001146      total: 9.83s  remaining: 49s
167: learn: 0.0998936      total: 9.86s  remaining: 48.8s
168: learn: 0.0997260      total: 9.93s  remaining: 48.8s
169: learn: 0.0995426      total: 9.98s  remaining: 48.7s
170: learn: 0.0993379      total: 10.1s  remaining: 49.1s
171: learn: 0.0990894      total: 10.2s  remaining: 49.2s
172: learn: 0.0987805      total: 10.2s  remaining: 48.9s
173: learn: 0.0985558      total: 10.3s  remaining: 48.7s
174: learn: 0.0982695      total: 10.3s  remaining: 48.6s
175: learn: 0.0980388      total: 10.3s  remaining: 48.4s
176: learn: 0.0979709      total: 10.4s  remaining: 48.2s
177: learn: 0.0978106      total: 10.4s  remaining: 48s
178: learn: 0.0975913      total: 10.4s  remaining: 47.7s
179: learn: 0.0973216      total: 10.4s  remaining: 47.5s
180: learn: 0.0972273      total: 10.5s  remaining: 47.3s
181: learn: 0.0970309      total: 10.5s  remaining: 47.2s
182: learn: 0.0967725      total: 10.6s  remaining: 47.4s
183: learn: 0.0965308      total: 10.6s  remaining: 47.1s
184: learn: 0.0963298      total: 10.7s  remaining: 47s
185: learn: 0.0961358      total: 10.7s  remaining: 46.9s
186: learn: 0.0960578      total: 10.7s  remaining: 46.6s
187: learn: 0.0959736      total: 10.7s  remaining: 46.4s
188: learn: 0.0958114      total: 10.8s  remaining: 46.3s
189: learn: 0.0955802      total: 10.8s  remaining: 46s
190: learn: 0.0954166      total: 10.8s  remaining: 45.9s
191: learn: 0.0951866      total: 10.9s  remaining: 45.7s
192: learn: 0.0951024      total: 10.9s  remaining: 45.5s
193: learn: 0.0949604      total: 10.9s  remaining: 45.3s
194: learn: 0.0947666      total: 11s   remaining: 45.2s
195: learn: 0.0945598      total: 11s   remaining: 45s
196: learn: 0.0944450      total: 11s   remaining: 44.8s

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197: learn: 0.0942346      total: 11s      remaining: 44.7s
198: learn: 0.0941245      total: 11s      remaining: 44.4s
199: learn: 0.0940470      total: 11s      remaining: 44.2s
200: learn: 0.0938370      total: 11.1s     remaining: 44.1s
201: learn: 0.0936147      total: 11.1s     remaining: 43.9s
202: learn: 0.0934753      total: 11.2s     remaining: 43.9s
203: learn: 0.0933778      total: 11.2s     remaining: 43.6s
204: learn: 0.0932355      total: 11.2s     remaining: 43.4s
205: learn: 0.0930621      total: 11.2s     remaining: 43.1s
206: learn: 0.0928522      total: 11.2s     remaining: 42.9s
207: learn: 0.0925723      total: 11.2s     remaining: 42.7s
208: learn: 0.0924747      total: 11.2s     remaining: 42.5s
209: learn: 0.0923002      total: 11.3s     remaining: 42.4s
210: learn: 0.0920702      total: 11.3s     remaining: 42.2s
211: learn: 0.0919240      total: 11.4s     remaining: 42.2s
212: learn: 0.0916856      total: 11.4s     remaining: 42.1s
213: learn: 0.0914354      total: 11.5s     remaining: 42.1s
214: learn: 0.0912403      total: 11.5s     remaining: 41.9s
215: learn: 0.0910656      total: 11.5s     remaining: 41.7s
216: learn: 0.0910120      total: 11.5s     remaining: 41.7s
217: learn: 0.0909454      total: 11.6s     remaining: 41.7s
218: learn: 0.0908733      total: 11.7s     remaining: 41.6s
219: learn: 0.0906878      total: 11.7s     remaining: 41.5s
220: learn: 0.0905408      total: 11.7s     remaining: 41.3s
221: learn: 0.0903518      total: 11.8s     remaining: 41.2s
222: learn: 0.0901055      total: 11.8s     remaining: 41s
223: learn: 0.0899035      total: 11.8s     remaining: 40.9s
224: learn: 0.0897778      total: 11.9s     remaining: 40.9s
225: learn: 0.0896048      total: 11.9s     remaining: 40.7s
226: learn: 0.0895614      total: 11.9s     remaining: 40.7s
227: learn: 0.0893649      total: 12s       remaining: 40.7s
228: learn: 0.0891223      total: 12s       remaining: 40.5s
229: learn: 0.0890012      total: 12s       remaining: 40.3s
230: learn: 0.0888233      total: 12.1s     remaining: 40.4s
231: learn: 0.0885940      total: 12.1s     remaining: 40.2s
232: learn: 0.0884974      total: 12.2s     remaining: 40.1s
233: learn: 0.0882347      total: 12.2s     remaining: 40s
234: learn: 0.0881887      total: 12.3s     remaining: 40s
235: learn: 0.0881023      total: 12.3s     remaining: 39.8s
236: learn: 0.0879263      total: 12.3s     remaining: 39.7s
237: learn: 0.0877495      total: 12.4s     remaining: 39.5s
238: learn: 0.0876934      total: 12.4s     remaining: 39.6s
239: learn: 0.0875723      total: 12.6s     remaining: 39.8s
240: learn: 0.0874418      total: 12.6s     remaining: 39.8s
241: learn: 0.0873853      total: 12.7s     remaining: 39.7s
242: learn: 0.0872440      total: 12.8s     remaining: 39.8s
243: learn: 0.0871830      total: 12.8s     remaining: 39.7s
244: learn: 0.0870392      total: 12.8s     remaining: 39.5s
245: learn: 0.0868788      total: 12.8s     remaining: 39.3s
246: learn: 0.0867642      total: 12.9s     remaining: 39.2s
247: learn: 0.0866550      total: 12.9s     remaining: 39s
248: learn: 0.0864929      total: 12.9s     remaining: 38.9s
249: learn: 0.0862497      total: 12.9s     remaining: 38.7s
250: learn: 0.0860120      total: 12.9s     remaining: 38.6s
251: learn: 0.0858896      total: 13s       remaining: 38.5s
252: learn: 0.0857317      total: 13s       remaining: 38.3s
253: learn: 0.0855623      total: 13s       remaining: 38.3s
254: learn: 0.0853596      total: 13.1s     remaining: 38.3s
255: learn: 0.0852337      total: 13.1s     remaining: 38.2s
256: learn: 0.0850686      total: 13.2s     remaining: 38.2s
257: learn: 0.0848454      total: 13.2s     remaining: 38s
258: learn: 0.0848002      total: 13.2s     remaining: 37.9s
259: learn: 0.0846373      total: 13.2s     remaining: 37.7s
260: learn: 0.0845650      total: 13.3s     remaining: 37.6s

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261: learn: 0.0845312    total: 13.3s  remaining: 37.4s
262: learn: 0.0843932    total: 13.3s  remaining: 37.4s
263: learn: 0.0842196    total: 13.4s  remaining: 37.4s
264: learn: 0.0840314    total: 13.4s  remaining: 37.3s
265: learn: 0.0839054    total: 13.5s  remaining: 37.2s
266: learn: 0.0837545    total: 13.5s  remaining: 37.2s
267: learn: 0.0835595    total: 13.6s  remaining: 37.1s
268: learn: 0.0833540    total: 13.6s  remaining: 37s
269: learn: 0.0832116    total: 13.7s  remaining: 37.1s
270: learn: 0.0830262    total: 13.8s  remaining: 37s
271: learn: 0.0828623    total: 13.8s  remaining: 36.9s
272: learn: 0.0827786    total: 13.8s  remaining: 36.8s
273: learn: 0.0826346    total: 13.9s  remaining: 36.7s
274: learn: 0.0824466    total: 13.9s  remaining: 36.7s
275: learn: 0.0823459    total: 14s    remaining: 36.6s
276: learn: 0.0822304    total: 14s    remaining: 36.5s
277: learn: 0.0821234    total: 14s    remaining: 36.4s
278: learn: 0.0819946    total: 14s    remaining: 36.2s
279: learn: 0.0817523    total: 14s    remaining: 36s
280: learn: 0.0816743    total: 14s    remaining: 35.9s
281: learn: 0.0815925    total: 14s    remaining: 35.7s
282: learn: 0.0815143    total: 14.1s  remaining: 35.6s
283: learn: 0.0813166    total: 14.1s  remaining: 35.5s
284: learn: 0.0812104    total: 14.1s  remaining: 35.5s
285: learn: 0.0809842    total: 14.2s  remaining: 35.4s
286: learn: 0.0808229    total: 14.2s  remaining: 35.2s
287: learn: 0.0806844    total: 14.2s  remaining: 35.2s
288: learn: 0.0805962    total: 14.3s  remaining: 35.1s
289: learn: 0.0804938    total: 14.3s  remaining: 35s
290: learn: 0.0803888    total: 14.3s  remaining: 34.9s
291: learn: 0.0802670    total: 14.3s  remaining: 34.8s
292: learn: 0.0801964    total: 14.4s  remaining: 34.6s
293: learn: 0.0801708    total: 14.4s  remaining: 34.6s
294: learn: 0.0799814    total: 14.4s  remaining: 34.5s
295: learn: 0.0799503    total: 14.5s  remaining: 34.4s
296: learn: 0.0797825    total: 14.5s  remaining: 34.4s
297: learn: 0.0796922    total: 14.6s  remaining: 34.3s
298: learn: 0.0795857    total: 14.6s  remaining: 34.3s
299: learn: 0.0794131    total: 14.7s  remaining: 34.3s
300: learn: 0.0792826    total: 14.7s  remaining: 34.1s
301: learn: 0.0790528    total: 14.8s  remaining: 34.1s
302: learn: 0.0789495    total: 14.8s  remaining: 34s
303: learn: 0.0787762    total: 14.8s  remaining: 33.8s
304: learn: 0.0786930    total: 14.8s  remaining: 33.7s
305: learn: 0.0786005    total: 14.8s  remaining: 33.5s
306: learn: 0.0784882    total: 14.8s  remaining: 33.4s
307: learn: 0.0783123    total: 14.8s  remaining: 33.3s
308: learn: 0.0781142    total: 14.8s  remaining: 33.2s
309: learn: 0.0779649    total: 14.8s  remaining: 33s
310: learn: 0.0778300    total: 14.9s  remaining: 33s
311: learn: 0.0777404    total: 14.9s  remaining: 32.9s
312: learn: 0.0777171    total: 14.9s  remaining: 32.8s
313: learn: 0.0775561    total: 14.9s  remaining: 32.6s
314: learn: 0.0774653    total: 15s    remaining: 32.5s
315: learn: 0.0773732    total: 15s    remaining: 32.4s
316: learn: 0.0772143    total: 15s    remaining: 32.3s
317: learn: 0.0771897    total: 15s    remaining: 32.2s
158: learn: 0.0981776    total: 10.3s  remaining: 54.4s
159: learn: 0.0979633    total: 10.3s  remaining: 54.2s
160: learn: 0.0976595    total: 10.4s  remaining: 54.1s
161: learn: 0.0973335    total: 10.4s  remaining: 53.7s
162: learn: 0.0971248    total: 10.4s  remaining: 53.3s
163: learn: 0.0969630    total: 10.4s  remaining: 53.2s
164: learn: 0.0967574    total: 10.5s  remaining: 53.1s

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165: learn: 0.0965491    total: 10.6s  remaining: 53.2s
166: learn: 0.0963838    total: 10.6s  remaining: 53s
167: learn: 0.0961755    total: 10.6s  remaining: 52.7s
168: learn: 0.0960089    total: 10.6s  remaining: 52.4s
169: learn: 0.0958060    total: 10.7s  remaining: 52s
170: learn: 0.0956312    total: 10.7s  remaining: 51.7s
171: learn: 0.0954242    total: 10.8s  remaining: 51.8s
172: learn: 0.0952496    total: 10.8s  remaining: 51.4s
173: learn: 0.0951408    total: 10.8s  remaining: 51.1s
174: learn: 0.0949433    total: 10.8s  remaining: 50.9s
175: learn: 0.0948173    total: 10.8s  remaining: 50.6s
176: learn: 0.0945804    total: 10.8s  remaining: 50.4s
177: learn: 0.0943935    total: 10.8s  remaining: 50.1s
178: learn: 0.0941773    total: 10.8s  remaining: 49.8s
179: learn: 0.0940649    total: 10.9s  remaining: 49.6s
180: learn: 0.0938576    total: 10.9s  remaining: 49.2s
181: learn: 0.0937058    total: 10.9s  remaining: 48.9s
182: learn: 0.0934946    total: 10.9s  remaining: 48.6s
183: learn: 0.0933512    total: 10.9s  remaining: 48.4s
184: learn: 0.0931644    total: 11s   remaining: 48.5s
185: learn: 0.0929007    total: 11s   remaining: 48.2s
186: learn: 0.0927193    total: 11.1s  remaining: 48.1s
187: learn: 0.0925247    total: 11.1s  remaining: 47.9s
188: learn: 0.0924107    total: 11.1s  remaining: 47.7s
189: learn: 0.0923080    total: 11.1s  remaining: 47.4s
190: learn: 0.0921644    total: 11.2s  remaining: 47.3s
191: learn: 0.0920364    total: 11.2s  remaining: 47s
192: learn: 0.0918080    total: 11.2s  remaining: 46.8s
193: learn: 0.0917274    total: 11.2s  remaining: 46.5s
194: learn: 0.0915241    total: 11.2s  remaining: 46.4s
195: learn: 0.0913333    total: 11.3s  remaining: 46.3s
196: learn: 0.0912218    total: 11.3s  remaining: 46s
197: learn: 0.0910680    total: 11.3s  remaining: 45.9s
198: learn: 0.0908593    total: 11.3s  remaining: 45.7s
199: learn: 0.0907298    total: 11.4s  remaining: 45.4s
200: learn: 0.0905755    total: 11.4s  remaining: 45.2s
201: learn: 0.0904357    total: 11.4s  remaining: 44.9s
202: learn: 0.0901828    total: 11.4s  remaining: 44.8s
203: learn: 0.0900226    total: 11.5s  remaining: 44.7s
204: learn: 0.0898188    total: 11.5s  remaining: 44.7s
205: learn: 0.0896617    total: 11.6s  remaining: 44.5s
206: learn: 0.0893672    total: 11.6s  remaining: 44.4s
207: learn: 0.0891013    total: 11.6s  remaining: 44.1s
208: learn: 0.0889425    total: 11.8s  remaining: 44.5s
209: learn: 0.0887931    total: 11.8s  remaining: 44.4s
210: learn: 0.0886257    total: 11.9s  remaining: 44.4s
211: learn: 0.0884654    total: 11.9s  remaining: 44.3s
212: learn: 0.0882808    total: 12s   remaining: 44.2s
213: learn: 0.0880942    total: 12s   remaining: 44s
214: learn: 0.0878614    total: 12s   remaining: 43.9s
215: learn: 0.0877569    total: 12.1s  remaining: 43.7s
216: learn: 0.0876676    total: 12.1s  remaining: 43.6s
217: learn: 0.0875021    total: 12.1s  remaining: 43.4s
218: learn: 0.0873352    total: 12.1s  remaining: 43.2s
219: learn: 0.0872200    total: 12.1s  remaining: 43.1s
220: learn: 0.0870700    total: 12.2s  remaining: 42.9s
221: learn: 0.0868449    total: 12.2s  remaining: 42.7s
222: learn: 0.0866757    total: 12.2s  remaining: 42.5s
223: learn: 0.0865230    total: 12.2s  remaining: 42.4s
224: learn: 0.0864339    total: 12.3s  remaining: 42.4s
225: learn: 0.0862133    total: 12.3s  remaining: 42.2s
226: learn: 0.0861121    total: 12.3s  remaining: 42s
227: learn: 0.0859514    total: 12.4s  remaining: 41.8s
228: learn: 0.0857320    total: 12.4s  remaining: 41.6s

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229: learn: 0.0855859    total: 12.4s  remaining: 41.5s
230: learn: 0.0854362    total: 12.4s  remaining: 41.3s
231: learn: 0.0852479    total: 12.5s  remaining: 41.3s
232: learn: 0.0850681    total: 12.5s  remaining: 41.2s
233: learn: 0.0849875    total: 12.5s  remaining: 41s
234: learn: 0.0849104    total: 12.5s  remaining: 40.8s
235: learn: 0.0846918    total: 12.5s  remaining: 40.6s
236: learn: 0.0846092    total: 12.6s  remaining: 40.7s
237: learn: 0.0845080    total: 12.7s  remaining: 40.7s
238: learn: 0.0843314    total: 12.7s  remaining: 40.6s
239: learn: 0.0842390    total: 12.7s  remaining: 40.4s
240: learn: 0.0840480    total: 12.8s  remaining: 40.2s
241: learn: 0.0838675    total: 12.8s  remaining: 40.1s
242: learn: 0.0836599    total: 12.8s  remaining: 40s
243: learn: 0.0835863    total: 12.9s  remaining: 39.9s
244: learn: 0.0833777    total: 12.9s  remaining: 39.7s
245: learn: 0.0832190    total: 12.9s  remaining: 39.6s
246: learn: 0.0829997    total: 13s   remaining: 39.5s
247: learn: 0.0829000    total: 13s   remaining: 39.3s
248: learn: 0.0827216    total: 13s   remaining: 39.3s
249: learn: 0.0825446    total: 13s   remaining: 39.1s
250: learn: 0.0823680    total: 13.1s  remaining: 39.1s
251: learn: 0.0822246    total: 13.1s  remaining: 39s
252: learn: 0.0820930    total: 13.2s  remaining: 38.9s
253: learn: 0.0819487    total: 13.2s  remaining: 38.7s
254: learn: 0.0818682    total: 13.2s  remaining: 38.6s
255: learn: 0.0817452    total: 13.2s  remaining: 38.5s
256: learn: 0.0816941    total: 13.2s  remaining: 38.3s
257: learn: 0.0815887    total: 13.3s  remaining: 38.2s
258: learn: 0.0813962    total: 13.3s  remaining: 38.1s
259: learn: 0.0812405    total: 13.4s  remaining: 38s
260: learn: 0.0810860    total: 13.4s  remaining: 38s
261: learn: 0.0809219    total: 13.4s  remaining: 37.9s
262: learn: 0.0807496    total: 13.5s  remaining: 37.8s
263: learn: 0.0806684    total: 13.5s  remaining: 37.7s
264: learn: 0.0805333    total: 13.6s  remaining: 37.6s
265: learn: 0.0803926    total: 13.6s  remaining: 37.6s
266: learn: 0.0802053    total: 13.7s  remaining: 37.5s
267: learn: 0.0800124    total: 13.7s  remaining: 37.4s
268: learn: 0.0798539    total: 13.8s  remaining: 37.4s
269: learn: 0.0797687    total: 13.8s  remaining: 37.3s
270: learn: 0.0796159    total: 13.8s  remaining: 37.2s
271: learn: 0.0795345    total: 13.9s  remaining: 37.2s
272: learn: 0.0793585    total: 13.9s  remaining: 37.1s
273: learn: 0.0792271    total: 14s   remaining: 37.1s
274: learn: 0.0790953    total: 14s   remaining: 36.9s
275: learn: 0.0789698    total: 14s   remaining: 36.9s
276: learn: 0.0787999    total: 14.1s  remaining: 36.8s
277: learn: 0.0787223    total: 14.2s  remaining: 36.7s
278: learn: 0.0786072    total: 14.2s  remaining: 36.6s
279: learn: 0.0784544    total: 14.2s  remaining: 36.5s
280: learn: 0.0783688    total: 14.2s  remaining: 36.4s
281: learn: 0.0782498    total: 14.3s  remaining: 36.3s
282: learn: 0.0780700    total: 14.3s  remaining: 36.2s
283: learn: 0.0779715    total: 14.3s  remaining: 36.1s
284: learn: 0.0778109    total: 14.3s  remaining: 35.9s
285: learn: 0.0776804    total: 14.3s  remaining: 35.8s
286: learn: 0.0775656    total: 14.4s  remaining: 35.7s
287: learn: 0.0774358    total: 14.4s  remaining: 35.5s
288: learn: 0.0773000    total: 14.4s  remaining: 35.4s
289: learn: 0.0771812    total: 14.4s  remaining: 35.3s
290: learn: 0.0770344    total: 14.4s  remaining: 35.2s
291: learn: 0.0770062    total: 14.5s  remaining: 35.1s
292: learn: 0.0768216    total: 14.5s  remaining: 34.9s

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293: learn: 0.0767504      total: 14.5s  remaining: 34.8s
294: learn: 0.0765950      total: 14.5s  remaining: 34.7s
295: learn: 0.0765044      total: 14.6s  remaining: 34.6s
296: learn: 0.0763798      total: 14.6s  remaining: 34.5s
297: learn: 0.0762266      total: 14.6s  remaining: 34.5s
298: learn: 0.0760626      total: 14.6s  remaining: 34.3s
299: learn: 0.0759896      total: 14.7s  remaining: 34.3s
300: learn: 0.0758448      total: 14.8s  remaining: 34.3s
301: learn: 0.0756995      total: 14.8s  remaining: 34.1s
302: learn: 0.0755557      total: 14.9s  remaining: 34.2s
303: learn: 0.0754525      total: 14.9s  remaining: 34s
304: learn: 0.0752991      total: 14.9s  remaining: 33.9s
305: learn: 0.0751886      total: 14.9s  remaining: 33.8s
306: learn: 0.0751376      total: 14.9s  remaining: 33.7s
307: learn: 0.0749685      total: 14.9s  remaining: 33.6s
308: learn: 0.0748389      total: 15s    remaining: 33.5s
309: learn: 0.0747278      total: 15s    remaining: 33.5s
310: learn: 0.0746519      total: 15.1s  remaining: 33.4s
311: learn: 0.0745760      total: 15.1s  remaining: 33.3s
312: learn: 0.0744802      total: 15.1s  remaining: 33.2s
313: learn: 0.0743368      total: 15.1s  remaining: 33.1s
314: learn: 0.0742453      total: 15.2s  remaining: 33s
315: learn: 0.0740953      total: 15.2s  remaining: 32.9s
158: learn: 0.1016733      total: 10.7s  remaining: 56.6s
159: learn: 0.1014349      total: 10.7s  remaining: 56.3s
160: learn: 0.1013940      total: 10.8s  remaining: 56.5s
161: learn: 0.1012632      total: 10.9s  remaining: 56.3s
162: learn: 0.1011017      total: 11s    remaining: 56.2s
163: learn: 0.1007769      total: 11s    remaining: 56.2s
164: learn: 0.1006470      total: 11.1s  remaining: 56.3s
165: learn: 0.1004993      total: 11.2s  remaining: 56s
166: learn: 0.1003751      total: 11.2s  remaining: 55.7s
167: learn: 0.1002046      total: 11.2s  remaining: 55.4s
168: learn: 0.1000804      total: 11.2s  remaining: 55s
169: learn: 0.0999093      total: 11.2s  remaining: 54.7s
170: learn: 0.0995876      total: 11.2s  remaining: 54.5s
171: learn: 0.0992645      total: 11.3s  remaining: 54.3s
172: learn: 0.0990561      total: 11.4s  remaining: 54.3s
173: learn: 0.0988607      total: 11.4s  remaining: 54s
174: learn: 0.0986861      total: 11.4s  remaining: 53.8s
175: learn: 0.0984959      total: 11.4s  remaining: 53.4s
176: learn: 0.0982625      total: 11.4s  remaining: 53.2s
177: learn: 0.0980647      total: 11.5s  remaining: 53s
178: learn: 0.0979433      total: 11.5s  remaining: 52.7s
179: learn: 0.0978032      total: 11.5s  remaining: 52.5s
180: learn: 0.0975279      total: 11.6s  remaining: 52.4s
181: learn: 0.0973657      total: 11.7s  remaining: 52.4s
182: learn: 0.0972248      total: 11.7s  remaining: 52.1s
183: learn: 0.0970944      total: 11.8s  remaining: 52.2s
184: learn: 0.0969419      total: 11.8s  remaining: 52s
185: learn: 0.0966798      total: 11.8s  remaining: 51.8s
186: learn: 0.0966123      total: 11.8s  remaining: 51.5s
187: learn: 0.0964658      total: 11.9s  remaining: 51.4s
188: learn: 0.0963247      total: 11.9s  remaining: 51.2s
189: learn: 0.0961831      total: 12s    remaining: 51s
190: learn: 0.0959832      total: 12s    remaining: 50.7s
191: learn: 0.0959370      total: 12s    remaining: 50.4s
192: learn: 0.0958081      total: 12.1s  remaining: 50.5s
193: learn: 0.0955739      total: 12.1s  remaining: 50.3s
194: learn: 0.0954496      total: 12.2s  remaining: 50.2s
195: learn: 0.0952221      total: 12.2s  remaining: 50s
196: learn: 0.0950756      total: 12.2s  remaining: 49.8s
197: learn: 0.0948367      total: 12.3s  remaining: 49.7s
198: learn: 0.0947656      total: 12.3s  remaining: 49.7s

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199: learn: 0.0946779    total: 12.3s  remaining: 49.4s
200: learn: 0.0946096    total: 12.4s  remaining: 49.1s
201: learn: 0.0945723    total: 12.4s  remaining: 48.9s
202: learn: 0.0943312    total: 12.4s  remaining: 48.8s
203: learn: 0.0941348    total: 12.5s  remaining: 48.7s
204: learn: 0.0939565    total: 12.5s  remaining: 48.5s
205: learn: 0.0938202    total: 12.5s  remaining: 48.3s
206: learn: 0.0937062    total: 12.6s  remaining: 48.2s
207: learn: 0.0936406    total: 12.6s  remaining: 47.9s
208: learn: 0.0934844    total: 12.6s  remaining: 47.7s
209: learn: 0.0932679    total: 12.7s  remaining: 47.8s
210: learn: 0.0930646    total: 12.7s  remaining: 47.6s
211: learn: 0.0929603    total: 12.8s  remaining: 47.5s
212: learn: 0.0928168    total: 12.8s  remaining: 47.3s
213: learn: 0.0925908    total: 12.8s  remaining: 47.1s
214: learn: 0.0924953    total: 12.8s  remaining: 46.9s
215: learn: 0.0923277    total: 12.9s  remaining: 46.8s
216: learn: 0.0921759    total: 12.9s  remaining: 46.6s
217: learn: 0.0921004    total: 13s    remaining: 46.5s
218: learn: 0.0920032    total: 13s    remaining: 46.4s
219: learn: 0.0918113    total: 13s    remaining: 46.2s
220: learn: 0.0915642    total: 13.1s  remaining: 46s
221: learn: 0.0913368    total: 13.1s  remaining: 46s
222: learn: 0.0911835    total: 13.1s  remaining: 45.7s
223: learn: 0.0910154    total: 13.2s  remaining: 45.7s
224: learn: 0.0908512    total: 13.2s  remaining: 45.6s
225: learn: 0.0906580    total: 13.3s  remaining: 45.4s
226: learn: 0.0905735    total: 13.3s  remaining: 45.2s
227: learn: 0.0905141    total: 13.3s  remaining: 45s
228: learn: 0.0903206    total: 13.3s  remaining: 44.9s
229: learn: 0.0902075    total: 13.4s  remaining: 44.9s
230: learn: 0.0900910    total: 13.4s  remaining: 44.7s
231: learn: 0.0898815    total: 13.5s  remaining: 44.7s
232: learn: 0.0898075    total: 13.5s  remaining: 44.5s
233: learn: 0.0896086    total: 13.6s  remaining: 44.4s
234: learn: 0.0894732    total: 13.6s  remaining: 44.4s
235: learn: 0.0893099    total: 13.7s  remaining: 44.3s
236: learn: 0.0891465    total: 13.8s  remaining: 44.3s
237: learn: 0.0890259    total: 13.8s  remaining: 44.1s
238: learn: 0.0888548    total: 13.8s  remaining: 44s
239: learn: 0.0887500    total: 13.8s  remaining: 43.8s
240: learn: 0.0886652    total: 13.8s  remaining: 43.6s
241: learn: 0.0884947    total: 13.9s  remaining: 43.5s
242: learn: 0.0883003    total: 13.9s  remaining: 43.3s
243: learn: 0.0881631    total: 13.9s  remaining: 43.1s
244: learn: 0.0880851    total: 14s    remaining: 43s
245: learn: 0.0878764    total: 14s    remaining: 42.9s
246: learn: 0.0877215    total: 14s    remaining: 42.7s
247: learn: 0.0875446    total: 14s    remaining: 42.5s
248: learn: 0.0874298    total: 14.1s  remaining: 42.4s
249: learn: 0.0873837    total: 14.1s  remaining: 42.3s
250: learn: 0.0872231    total: 14.1s  remaining: 42.1s
251: learn: 0.0870971    total: 14.1s  remaining: 42s
252: learn: 0.0870506    total: 14.2s  remaining: 41.9s
253: learn: 0.0868854    total: 14.2s  remaining: 41.7s
254: learn: 0.0867707    total: 14.2s  remaining: 41.6s
255: learn: 0.0867263    total: 14.2s  remaining: 41.4s
256: learn: 0.0866157    total: 14.3s  remaining: 41.2s
257: learn: 0.0865787    total: 14.3s  remaining: 41.1s
258: learn: 0.0864458    total: 14.3s  remaining: 41s
259: learn: 0.0863910    total: 14.4s  remaining: 40.9s
260: learn: 0.0862444    total: 14.4s  remaining: 40.7s
261: learn: 0.0861712    total: 14.4s  remaining: 40.6s
262: learn: 0.0860813    total: 14.4s  remaining: 40.5s

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263: learn: 0.0859760    total: 14.5s  remaining: 40.3s
264: learn: 0.0857226    total: 14.5s  remaining: 40.1s
265: learn: 0.0856206    total: 14.5s  remaining: 40s
266: learn: 0.0854899    total: 14.5s  remaining: 39.8s
267: learn: 0.0853082    total: 14.5s  remaining: 39.7s
268: learn: 0.0851405    total: 14.6s  remaining: 39.6s
269: learn: 0.0849969    total: 14.6s  remaining: 39.4s
270: learn: 0.0847824    total: 14.6s  remaining: 39.3s
271: learn: 0.0846721    total: 14.6s  remaining: 39.1s
272: learn: 0.0844905    total: 14.6s  remaining: 39s
273: learn: 0.0843733    total: 14.6s  remaining: 38.8s
274: learn: 0.0842373    total: 14.7s  remaining: 38.8s
275: learn: 0.0841597    total: 14.7s  remaining: 38.6s
276: learn: 0.0839629    total: 14.7s  remaining: 38.5s
277: learn: 0.0839252    total: 14.8s  remaining: 38.3s
278: learn: 0.0837751    total: 14.8s  remaining: 38.2s
279: learn: 0.0835185    total: 14.8s  remaining: 38.1s
280: learn: 0.0834334    total: 14.8s  remaining: 37.9s
281: learn: 0.0833569    total: 14.9s  remaining: 37.8s
282: learn: 0.0832449    total: 14.9s  remaining: 37.7s
283: learn: 0.0831059    total: 14.9s  remaining: 37.6s
284: learn: 0.0830479    total: 14.9s  remaining: 37.5s
285: learn: 0.0829660    total: 15s   remaining: 37.4s
286: learn: 0.0829095    total: 15s   remaining: 37.3s
287: learn: 0.0828657    total: 15s   remaining: 37.2s
288: learn: 0.0828121    total: 15.1s  remaining: 37s
289: learn: 0.0827159    total: 15.1s  remaining: 36.9s
290: learn: 0.0825655    total: 15.1s  remaining: 36.8s
291: learn: 0.0825082    total: 15.1s  remaining: 36.7s
292: learn: 0.0823853    total: 15.2s  remaining: 36.6s
293: learn: 0.0822711    total: 15.2s  remaining: 36.5s
294: learn: 0.0821448    total: 15.2s  remaining: 36.4s
295: learn: 0.0820553    total: 15.3s  remaining: 36.3s
296: learn: 0.0819661    total: 15.3s  remaining: 36.2s
297: learn: 0.0818818    total: 15.3s  remaining: 36.1s
298: learn: 0.0818540    total: 15.4s  remaining: 36.1s
299: learn: 0.0816981    total: 15.4s  remaining: 35.9s
300: learn: 0.0816122    total: 15.4s  remaining: 35.8s
301: learn: 0.0815853    total: 15.5s  remaining: 35.7s
302: learn: 0.0814890    total: 15.5s  remaining: 35.6s
303: learn: 0.0814061    total: 15.5s  remaining: 35.5s
304: learn: 0.0812477    total: 15.6s  remaining: 35.5s
305: learn: 0.0810920    total: 15.6s  remaining: 35.5s
306: learn: 0.0809632    total: 15.7s  remaining: 35.4s
307: learn: 0.0809017    total: 15.7s  remaining: 35.2s
308: learn: 0.0807922    total: 15.8s  remaining: 35.4s
309: learn: 0.0806474    total: 15.8s  remaining: 35.3s
310: learn: 0.0805585    total: 15.9s  remaining: 35.2s
311: learn: 0.0804963    total: 15.9s  remaining: 35.1s
312: learn: 0.0804603    total: 15.9s  remaining: 35s
313: learn: 0.0802887    total: 16s   remaining: 35s
314: learn: 0.0801686    total: 16s   remaining: 34.8s
315: learn: 0.0800778    total: 16.1s  remaining: 34.8s
318: learn: 0.0770507    total: 15s   remaining: 32.1s
319: learn: 0.0769654    total: 15.1s  remaining: 32.1s
320: learn: 0.0769448    total: 15.1s  remaining: 32s
321: learn: 0.0768252    total: 15.1s  remaining: 31.9s
322: learn: 0.0767253    total: 15.2s  remaining: 31.8s
323: learn: 0.0766437    total: 15.2s  remaining: 31.8s
324: learn: 0.0765700    total: 15.2s  remaining: 31.7s
325: learn: 0.0764344    total: 15.3s  remaining: 31.6s
326: learn: 0.0762906    total: 15.3s  remaining: 31.6s
327: learn: 0.0760921    total: 15.4s  remaining: 31.5s
328: learn: 0.0759440    total: 15.4s  remaining: 31.4s

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329: learn: 0.0758849    total: 15.4s  remaining: 31.3s
330: learn: 0.0757317    total: 15.4s  remaining: 31.2s
331: learn: 0.0755386    total: 15.4s  remaining: 31.1s
332: learn: 0.0754277    total: 15.4s  remaining: 30.9s
333: learn: 0.0753425    total: 15.4s  remaining: 30.8s
334: learn: 0.0751998    total: 15.5s  remaining: 30.8s
335: learn: 0.0751053    total: 15.5s  remaining: 30.7s
336: learn: 0.0749856    total: 15.6s  remaining: 30.6s
337: learn: 0.0748564    total: 15.6s  remaining: 30.5s
338: learn: 0.0747653    total: 15.6s  remaining: 30.5s
339: learn: 0.0746282    total: 15.7s  remaining: 30.5s
340: learn: 0.0746086    total: 15.8s  remaining: 30.5s
341: learn: 0.0744625    total: 15.8s  remaining: 30.5s
342: learn: 0.0743239    total: 15.9s  remaining: 30.4s
343: learn: 0.0742124    total: 15.9s  remaining: 30.3s
344: learn: 0.0741163    total: 15.9s  remaining: 30.2s
345: learn: 0.0739774    total: 15.9s  remaining: 30.1s
346: learn: 0.0738866    total: 16s   remaining: 30s
347: learn: 0.0737185    total: 16s   remaining: 30s
348: learn: 0.0735837    total: 16s   remaining: 29.9s
349: learn: 0.0733788    total: 16.1s  remaining: 29.9s
350: learn: 0.0732226    total: 16.1s  remaining: 29.9s
351: learn: 0.0730867    total: 16.2s  remaining: 29.8s
352: learn: 0.0730672    total: 16.2s  remaining: 29.7s
353: learn: 0.0728667    total: 16.3s  remaining: 29.7s
354: learn: 0.0728132    total: 16.3s  remaining: 29.6s
355: learn: 0.0727140    total: 16.3s  remaining: 29.6s
356: learn: 0.0725780    total: 16.4s  remaining: 29.6s
357: learn: 0.0723665    total: 16.4s  remaining: 29.5s
358: learn: 0.0723497    total: 16.5s  remaining: 29.5s
359: learn: 0.0722196    total: 16.6s  remaining: 29.4s
360: learn: 0.0721164    total: 16.6s  remaining: 29.4s
361: learn: 0.0719838    total: 16.6s  remaining: 29.3s
362: learn: 0.0718654    total: 16.7s  remaining: 29.2s
363: learn: 0.0717619    total: 16.7s  remaining: 29.2s
364: learn: 0.0717020    total: 16.7s  remaining: 29.1s
365: learn: 0.0715761    total: 16.7s  remaining: 29s
366: learn: 0.0714554    total: 16.8s  remaining: 29.1s
367: learn: 0.0713261    total: 16.9s  remaining: 29s
368: learn: 0.0712188    total: 16.9s  remaining: 28.9s
369: learn: 0.0710817    total: 16.9s  remaining: 28.8s
370: learn: 0.0709161    total: 16.9s  remaining: 28.6s
371: learn: 0.0708525    total: 17.1s  remaining: 28.9s
372: learn: 0.0707049    total: 17.1s  remaining: 28.8s
373: learn: 0.0706008    total: 17.2s  remaining: 28.8s
374: learn: 0.0705104    total: 17.2s  remaining: 28.7s
375: learn: 0.0704906    total: 17.2s  remaining: 28.6s
376: learn: 0.0703571    total: 17.3s  remaining: 28.6s
377: learn: 0.0703008    total: 17.3s  remaining: 28.5s
378: learn: 0.0701965    total: 17.4s  remaining: 28.5s
379: learn: 0.0700163    total: 17.5s  remaining: 28.5s
380: learn: 0.0699050    total: 17.5s  remaining: 28.4s
381: learn: 0.0697774    total: 17.5s  remaining: 28.3s
382: learn: 0.0696388    total: 17.6s  remaining: 28.3s
383: learn: 0.0695903    total: 17.6s  remaining: 28.2s
384: learn: 0.0695716    total: 17.6s  remaining: 28.1s
385: learn: 0.0694085    total: 17.6s  remaining: 28s
386: learn: 0.0692435    total: 17.7s  remaining: 28s
387: learn: 0.0691888    total: 17.7s  remaining: 27.9s
388: learn: 0.0690541    total: 17.8s  remaining: 27.9s
389: learn: 0.0689668    total: 17.8s  remaining: 27.8s
390: learn: 0.0688206    total: 17.8s  remaining: 27.7s
391: learn: 0.0687883    total: 17.8s  remaining: 27.6s
392: learn: 0.0686683    total: 17.8s  remaining: 27.5s

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393:	learn: 0.0685497	total: 17.8s	remaining: 27.5s
394:	learn: 0.0684731	total: 17.9s	remaining: 27.4s
395:	learn: 0.0682874	total: 17.9s	remaining: 27.3s
396:	learn: 0.0681819	total: 17.9s	remaining: 27.2s
397:	learn: 0.0681693	total: 17.9s	remaining: 27.1s
398:	learn: 0.0680090	total: 17.9s	remaining: 27s
399:	learn: 0.0679403	total: 17.9s	remaining: 26.9s
400:	learn: 0.0678439	total: 17.9s	remaining: 26.8s
401:	learn: 0.0677883	total: 18s	remaining: 26.7s
402:	learn: 0.0676384	total: 18s	remaining: 26.6s
403:	learn: 0.0675618	total: 18s	remaining: 26.6s
404:	learn: 0.0674039	total: 18s	remaining: 26.5s
405:	learn: 0.0672757	total: 18s	remaining: 26.4s
406:	learn: 0.0671728	total: 18.1s	remaining: 26.3s
407:	learn: 0.0670499	total: 18.1s	remaining: 26.3s
408:	learn: 0.0669472	total: 18.1s	remaining: 26.2s
409:	learn: 0.0668756	total: 18.1s	remaining: 26.1s
410:	learn: 0.0668639	total: 18.1s	remaining: 26s
411:	learn: 0.0667230	total: 18.2s	remaining: 25.9s
412:	learn: 0.0666185	total: 18.2s	remaining: 25.9s
413:	learn: 0.0664654	total: 18.2s	remaining: 25.8s
414:	learn: 0.0663476	total: 18.3s	remaining: 25.7s
415:	learn: 0.0663319	total: 18.3s	remaining: 25.7s
416:	learn: 0.0663208	total: 18.3s	remaining: 25.6s
417:	learn: 0.0661515	total: 18.4s	remaining: 25.6s
418:	learn: 0.0661408	total: 18.4s	remaining: 25.6s
419:	learn: 0.0661300	total: 18.5s	remaining: 25.5s
420:	learn: 0.0660098	total: 18.5s	remaining: 25.5s
421:	learn: 0.0658369	total: 18.6s	remaining: 25.4s
422:	learn: 0.0657139	total: 18.6s	remaining: 25.4s
423:	learn: 0.0656296	total: 18.6s	remaining: 25.3s
424:	learn: 0.0655079	total: 18.7s	remaining: 25.3s
425:	learn: 0.0654690	total: 18.7s	remaining: 25.2s
426:	learn: 0.0653398	total: 18.7s	remaining: 25.1s
427:	learn: 0.0652092	total: 18.8s	remaining: 25.1s
428:	learn: 0.0651466	total: 18.8s	remaining: 25s
429:	learn: 0.0650430	total: 18.8s	remaining: 24.9s
430:	learn: 0.0649037	total: 18.8s	remaining: 24.9s
431:	learn: 0.0647663	total: 18.8s	remaining: 24.8s
432:	learn: 0.0646364	total: 18.9s	remaining: 24.7s
433:	learn: 0.0645554	total: 18.9s	remaining: 24.6s
434:	learn: 0.0644548	total: 18.9s	remaining: 24.6s
435:	learn: 0.0642928	total: 18.9s	remaining: 24.5s
436:	learn: 0.0641792	total: 18.9s	remaining: 24.4s
437:	learn: 0.0640717	total: 18.9s	remaining: 24.3s
438:	learn: 0.0639292	total: 18.9s	remaining: 24.2s
439:	learn: 0.0639178	total: 19s	remaining: 24.2s
440:	learn: 0.0637471	total: 19s	remaining: 24.1s
441:	learn: 0.0636651	total: 19s	remaining: 24s
442:	learn: 0.0636489	total: 19s	remaining: 23.9s
443:	learn: 0.0635614	total: 19.1s	remaining: 23.9s
444:	learn: 0.0634708	total: 19.1s	remaining: 23.8s
445:	learn: 0.0634013	total: 19.1s	remaining: 23.7s
446:	learn: 0.0632627	total: 19.1s	remaining: 23.7s
447:	learn: 0.0631212	total: 19.2s	remaining: 23.6s
448:	learn: 0.0630377	total: 19.2s	remaining: 23.5s
449:	learn: 0.0629272	total: 19.3s	remaining: 23.6s
450:	learn: 0.0628595	total: 19.3s	remaining: 23.5s
451:	learn: 0.0627370	total: 19.4s	remaining: 23.5s
452:	learn: 0.0626483	total: 19.4s	remaining: 23.4s
453:	learn: 0.0625476	total: 19.4s	remaining: 23.4s
454:	learn: 0.0624307	total: 19.4s	remaining: 23.3s
455:	learn: 0.0623304	total: 19.4s	remaining: 23.2s
456:	learn: 0.0622296	total: 19.4s	remaining: 23.1s

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457: learn: 0.0621237    total: 19.4s  remaining: 23s
458: learn: 0.0620246    total: 19.4s  remaining: 22.9s
459: learn: 0.0619552    total: 19.5s  remaining: 22.9s
460: learn: 0.0618759    total: 19.5s  remaining: 22.8s
461: learn: 0.0617700    total: 19.5s  remaining: 22.7s
462: learn: 0.0616889    total: 19.6s  remaining: 22.7s
463: learn: 0.0616240    total: 19.6s  remaining: 22.6s
464: learn: 0.0615616    total: 19.7s  remaining: 22.6s
465: learn: 0.0614583    total: 19.7s  remaining: 22.6s
466: learn: 0.0613568    total: 19.7s  remaining: 22.5s
467: learn: 0.0612535    total: 19.8s  remaining: 22.5s
468: learn: 0.0611627    total: 19.8s  remaining: 22.4s
469: learn: 0.0610633    total: 19.9s  remaining: 22.4s
470: learn: 0.0609360    total: 19.9s  remaining: 22.3s
471: learn: 0.0608637    total: 19.9s  remaining: 22.2s
472: learn: 0.0607547    total: 19.9s  remaining: 22.2s
473: learn: 0.0606569    total: 20s    remaining: 22.1s
474: learn: 0.0606108    total: 20s    remaining: 22.1s
475: learn: 0.0605096    total: 20s    remaining: 22s
317: learn: 0.0816801    total: 14.9s  remaining: 32.1s
318: learn: 0.0816002    total: 15s    remaining: 32s
319: learn: 0.0814855    total: 15s    remaining: 31.9s
320: learn: 0.0813404    total: 15s    remaining: 31.8s
321: learn: 0.0811855    total: 15s    remaining: 31.7s
322: learn: 0.0810349    total: 15.1s  remaining: 31.5s
323: learn: 0.0809524    total: 15.1s  remaining: 31.4s
324: learn: 0.0807802    total: 15.1s  remaining: 31.3s
325: learn: 0.0806982    total: 15.1s  remaining: 31.2s
326: learn: 0.0805843    total: 15.1s  remaining: 31.1s
327: learn: 0.0804775    total: 15.2s  remaining: 31s
328: learn: 0.0803523    total: 15.2s  remaining: 31s
329: learn: 0.0803346    total: 15.2s  remaining: 30.9s
330: learn: 0.0801466    total: 15.3s  remaining: 30.8s
331: learn: 0.0799857    total: 15.3s  remaining: 30.7s
332: learn: 0.0798352    total: 15.3s  remaining: 30.6s
333: learn: 0.0796679    total: 15.3s  remaining: 30.5s
334: learn: 0.0795451    total: 15.3s  remaining: 30.5s
335: learn: 0.0794096    total: 15.3s  remaining: 30.3s
336: learn: 0.0792930    total: 15.4s  remaining: 30.4s
337: learn: 0.0791893    total: 15.5s  remaining: 30.3s
338: learn: 0.0791457    total: 15.5s  remaining: 30.1s
339: learn: 0.0789871    total: 15.5s  remaining: 30s
340: learn: 0.0789366    total: 15.5s  remaining: 30s
341: learn: 0.0787859    total: 15.6s  remaining: 30s
342: learn: 0.0786230    total: 15.7s  remaining: 30.1s
343: learn: 0.0785813    total: 15.7s  remaining: 30s
344: learn: 0.0784517    total: 15.7s  remaining: 29.9s
345: learn: 0.0782959    total: 15.8s  remaining: 29.8s
346: learn: 0.0782842    total: 15.8s  remaining: 29.7s
347: learn: 0.0781529    total: 15.8s  remaining: 29.6s
348: learn: 0.0781139    total: 15.8s  remaining: 29.5s
349: learn: 0.0779658    total: 15.9s  remaining: 29.5s
350: learn: 0.0779120    total: 15.9s  remaining: 29.3s
351: learn: 0.0777814    total: 15.9s  remaining: 29.3s
352: learn: 0.0777392    total: 16s    remaining: 29.2s
353: learn: 0.0776034    total: 16s    remaining: 29.1s
354: learn: 0.0775133    total: 16.1s  remaining: 29.2s
355: learn: 0.0773582    total: 16.1s  remaining: 29.1s
356: learn: 0.0772092    total: 16.1s  remaining: 29s
357: learn: 0.0770844    total: 16.1s  remaining: 28.9s
358: learn: 0.0770736    total: 16.2s  remaining: 28.9s
359: learn: 0.0769358    total: 16.2s  remaining: 28.9s
360: learn: 0.0768111    total: 16.3s  remaining: 28.8s
361: learn: 0.0766626    total: 16.3s  remaining: 28.7s

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362: learn: 0.0764687    total: 16.3s  remaining: 28.7s
363: learn: 0.0763723    total: 16.4s  remaining: 28.7s
364: learn: 0.0762153    total: 16.4s  remaining: 28.6s
365: learn: 0.0761191    total: 16.5s  remaining: 28.5s
366: learn: 0.0760230    total: 16.5s  remaining: 28.5s
367: learn: 0.0758837    total: 16.5s  remaining: 28.4s
368: learn: 0.0757412    total: 16.6s  remaining: 28.3s
369: learn: 0.0756035    total: 16.6s  remaining: 28.3s
370: learn: 0.0755123    total: 16.7s  remaining: 28.2s
371: learn: 0.0754999    total: 16.7s  remaining: 28.2s
372: learn: 0.0754063    total: 16.7s  remaining: 28.2s
373: learn: 0.0752550    total: 16.8s  remaining: 28.1s
374: learn: 0.0751295    total: 16.8s  remaining: 28s
375: learn: 0.0750050    total: 16.9s  remaining: 28s
376: learn: 0.0749712    total: 16.9s  remaining: 27.9s
377: learn: 0.0749060    total: 16.9s  remaining: 27.9s
378: learn: 0.0747680    total: 17s   remaining: 27.8s
379: learn: 0.0746699    total: 17s   remaining: 27.7s
380: learn: 0.0746573    total: 17.2s  remaining: 27.9s
381: learn: 0.0746013    total: 17.2s  remaining: 27.8s
382: learn: 0.0745041    total: 17.3s  remaining: 27.8s
383: learn: 0.0743734    total: 17.3s  remaining: 27.7s
384: learn: 0.0742572    total: 17.3s  remaining: 27.7s
385: learn: 0.0741866    total: 17.4s  remaining: 27.7s
386: learn: 0.0741142    total: 17.4s  remaining: 27.6s
387: learn: 0.0740158    total: 17.5s  remaining: 27.6s
388: learn: 0.0739314    total: 17.5s  remaining: 27.4s
389: learn: 0.0738152    total: 17.5s  remaining: 27.4s
390: learn: 0.0737137    total: 17.5s  remaining: 27.3s
391: learn: 0.0735971    total: 17.5s  remaining: 27.2s
392: learn: 0.0735013    total: 17.6s  remaining: 27.2s
393: learn: 0.0733551    total: 17.6s  remaining: 27.1s
394: learn: 0.0731636    total: 17.7s  remaining: 27s
395: learn: 0.0730596    total: 17.7s  remaining: 27s
396: learn: 0.0729736    total: 17.7s  remaining: 26.9s
397: learn: 0.0728091    total: 17.7s  remaining: 26.8s
398: learn: 0.0727066    total: 17.8s  remaining: 26.7s
399: learn: 0.0726690    total: 17.8s  remaining: 26.6s
400: learn: 0.0726596    total: 17.8s  remaining: 26.6s
401: learn: 0.0726481    total: 17.8s  remaining: 26.5s
402: learn: 0.0725461    total: 17.8s  remaining: 26.4s
403: learn: 0.0724393    total: 17.8s  remaining: 26.3s
404: learn: 0.0722660    total: 17.9s  remaining: 26.2s
405: learn: 0.0721493    total: 17.9s  remaining: 26.1s
406: learn: 0.0720365    total: 17.9s  remaining: 26.1s
407: learn: 0.0719385    total: 17.9s  remaining: 26s
408: learn: 0.0718509    total: 18s   remaining: 26s
409: learn: 0.0716856    total: 18s   remaining: 25.9s
410: learn: 0.0715697    total: 18.1s  remaining: 25.9s
411: learn: 0.0714865    total: 18.1s  remaining: 25.8s
412: learn: 0.0713757    total: 18.1s  remaining: 25.7s
413: learn: 0.0712426    total: 18.1s  remaining: 25.7s
414: learn: 0.0711243    total: 18.1s  remaining: 25.6s
415: learn: 0.0710293    total: 18.2s  remaining: 25.6s
416: learn: 0.0709527    total: 18.2s  remaining: 25.5s
417: learn: 0.0708028    total: 18.2s  remaining: 25.4s
418: learn: 0.0707127    total: 18.3s  remaining: 25.3s
419: learn: 0.0706164    total: 18.3s  remaining: 25.3s
420: learn: 0.0704853    total: 18.3s  remaining: 25.2s
421: learn: 0.0703774    total: 18.3s  remaining: 25.1s
422: learn: 0.0703223    total: 18.4s  remaining: 25.1s
423: learn: 0.0702333    total: 18.4s  remaining: 25s
424: learn: 0.0701154    total: 18.4s  remaining: 24.9s
425: learn: 0.0700293    total: 18.4s  remaining: 24.8s

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426: learn: 0.0699647    total: 18.6s  remaining: 24.9s
427: learn: 0.0698849    total: 18.6s  remaining: 24.8s
428: learn: 0.0697744    total: 18.6s  remaining: 24.8s
429: learn: 0.0696695    total: 18.6s  remaining: 24.7s
430: learn: 0.0695639    total: 18.6s  remaining: 24.6s
431: learn: 0.0694238    total: 18.7s  remaining: 24.5s
432: learn: 0.0693237    total: 18.7s  remaining: 24.5s
433: learn: 0.0693134    total: 18.7s  remaining: 24.4s
434: learn: 0.0692146    total: 18.8s  remaining: 24.4s
435: learn: 0.0691254    total: 18.8s  remaining: 24.3s
436: learn: 0.0690712    total: 18.9s  remaining: 24.3s
437: learn: 0.0689326    total: 18.9s  remaining: 24.3s
438: learn: 0.0688243    total: 18.9s  remaining: 24.2s
439: learn: 0.0688156    total: 19s   remaining: 24.1s
440: learn: 0.0686734    total: 19s   remaining: 24.1s
441: learn: 0.0685913    total: 19s   remaining: 24s
442: learn: 0.0685385    total: 19s   remaining: 23.9s
443: learn: 0.0683908    total: 19.1s  remaining: 23.9s
444: learn: 0.0682806    total: 19.2s  remaining: 23.9s
445: learn: 0.0681599    total: 19.2s  remaining: 23.9s
446: learn: 0.0680479    total: 19.3s  remaining: 23.9s
447: learn: 0.0680397    total: 19.4s  remaining: 23.9s
448: learn: 0.0679397    total: 19.4s  remaining: 23.8s
449: learn: 0.0678370    total: 19.4s  remaining: 23.7s
450: learn: 0.0677306    total: 19.4s  remaining: 23.6s
451: learn: 0.0676590    total: 19.4s  remaining: 23.6s
452: learn: 0.0675788    total: 19.5s  remaining: 23.5s
453: learn: 0.0675198    total: 19.5s  remaining: 23.5s
454: learn: 0.0674364    total: 19.6s  remaining: 23.5s
455: learn: 0.0673383    total: 19.6s  remaining: 23.4s
456: learn: 0.0672362    total: 19.7s  remaining: 23.4s
457: learn: 0.0671479    total: 19.7s  remaining: 23.3s
458: learn: 0.0671412    total: 19.8s  remaining: 23.3s
459: learn: 0.0671297    total: 19.8s  remaining: 23.2s
460: learn: 0.0669683    total: 19.8s  remaining: 23.2s
461: learn: 0.0668646    total: 19.9s  remaining: 23.1s
462: learn: 0.0667621    total: 19.9s  remaining: 23.1s
463: learn: 0.0666874    total: 19.9s  remaining: 23s
464: learn: 0.0666190    total: 20s   remaining: 23s
465: learn: 0.0664962    total: 20s   remaining: 22.9s
466: learn: 0.0663508    total: 20.1s  remaining: 22.9s
467: learn: 0.0662475    total: 20.1s  remaining: 22.8s
468: learn: 0.0660654    total: 20.1s  remaining: 22.8s
469: learn: 0.0659796    total: 20.1s  remaining: 22.7s
470: learn: 0.0658782    total: 20.2s  remaining: 22.6s
471: learn: 0.0657842    total: 20.2s  remaining: 22.6s
472: learn: 0.0657074    total: 20.2s  remaining: 22.6s
473: learn: 0.0656031    total: 20.3s  remaining: 22.5s
474: learn: 0.0654476    total: 20.3s  remaining: 22.4s
317: learn: 0.0778809    total: 14.8s  remaining: 31.7s
318: learn: 0.0777824    total: 14.8s  remaining: 31.7s
319: learn: 0.0777367    total: 14.8s  remaining: 31.6s
320: learn: 0.0776490    total: 14.9s  remaining: 31.5s
321: learn: 0.0774793    total: 14.9s  remaining: 31.4s
322: learn: 0.0773651    total: 15s   remaining: 31.4s
323: learn: 0.0772560    total: 15s   remaining: 31.2s
324: learn: 0.0772055    total: 15s   remaining: 31.2s
325: learn: 0.0769823    total: 15s   remaining: 31s
326: learn: 0.0768630    total: 15.1s  remaining: 31s
327: learn: 0.0768447    total: 15.1s  remaining: 30.9s
328: learn: 0.0766484    total: 15.1s  remaining: 30.9s
329: learn: 0.0764733    total: 15.2s  remaining: 30.8s
330: learn: 0.0762623    total: 15.2s  remaining: 30.7s
331: learn: 0.0761135    total: 15.2s  remaining: 30.6s

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332: learn: 0.0758993    total: 15.3s  remaining: 30.6s
333: learn: 0.0757093    total: 15.3s  remaining: 30.5s
334: learn: 0.0756184    total: 15.4s  remaining: 30.5s
335: learn: 0.0754699    total: 15.4s  remaining: 30.4s
336: learn: 0.0752332    total: 15.4s  remaining: 30.3s
337: learn: 0.0751209    total: 15.4s  remaining: 30.2s
338: learn: 0.0751029    total: 15.5s  remaining: 30.2s
339: learn: 0.0749352    total: 15.5s  remaining: 30.2s
340: learn: 0.0749178    total: 15.6s  remaining: 30.1s
341: learn: 0.0748002    total: 15.6s  remaining: 30.1s
342: learn: 0.0746783    total: 15.7s  remaining: 30s
343: learn: 0.0745588    total: 15.7s  remaining: 29.9s
344: learn: 0.0743834    total: 15.7s  remaining: 29.8s
345: learn: 0.0742560    total: 15.7s  remaining: 29.8s
346: learn: 0.0741573    total: 15.8s  remaining: 29.7s
347: learn: 0.0741465    total: 15.8s  remaining: 29.6s
348: learn: 0.0740571    total: 15.8s  remaining: 29.5s
349: learn: 0.0739024    total: 15.8s  remaining: 29.4s
350: learn: 0.0738055    total: 15.8s  remaining: 29.3s
351: learn: 0.0737003    total: 15.9s  remaining: 29.2s
352: learn: 0.0735433    total: 15.9s  remaining: 29.2s
353: learn: 0.0734414    total: 16s    remaining: 29.1s
354: learn: 0.0732663    total: 16s    remaining: 29.1s
355: learn: 0.0731266    total: 16s    remaining: 29s
356: learn: 0.0730524    total: 16s    remaining: 28.9s
357: learn: 0.0729666    total: 16s    remaining: 28.8s
358: learn: 0.0728481    total: 16s    remaining: 28.6s
359: learn: 0.0727126    total: 16.1s   remaining: 28.6s
360: learn: 0.0726816    total: 16.1s   remaining: 28.6s
361: learn: 0.0725203    total: 16.2s   remaining: 28.5s
362: learn: 0.0723888    total: 16.3s   remaining: 28.6s
363: learn: 0.0722952    total: 16.4s   remaining: 28.6s
364: learn: 0.0721250    total: 16.4s   remaining: 28.6s
365: learn: 0.0720221    total: 16.5s   remaining: 28.6s
366: learn: 0.0718694    total: 16.5s   remaining: 28.5s
367: learn: 0.0716795    total: 16.6s   remaining: 28.4s
368: learn: 0.0715688    total: 16.7s   remaining: 28.5s
369: learn: 0.0714801    total: 16.8s   remaining: 28.6s
370: learn: 0.0713344    total: 16.9s   remaining: 28.6s
371: learn: 0.0711418    total: 16.9s   remaining: 28.6s
372: learn: 0.0710289    total: 16.9s   remaining: 28.5s
373: learn: 0.0709271    total: 17s    remaining: 28.5s
374: learn: 0.0708514    total: 17s    remaining: 28.4s
375: learn: 0.0707319    total: 17.1s   remaining: 28.3s
376: learn: 0.0706050    total: 17.1s   remaining: 28.2s
377: learn: 0.0705897    total: 17.1s   remaining: 28.1s
378: learn: 0.0704368    total: 17.1s   remaining: 28.1s
379: learn: 0.0702916    total: 17.2s   remaining: 28s
380: learn: 0.0701037    total: 17.2s   remaining: 27.9s
381: learn: 0.0700139    total: 17.3s   remaining: 28s
382: learn: 0.0699068    total: 17.3s   remaining: 27.9s
383: learn: 0.0697998    total: 17.4s   remaining: 27.8s
384: learn: 0.0696935    total: 17.5s   remaining: 27.9s
385: learn: 0.0695290    total: 17.5s   remaining: 27.8s
386: learn: 0.0693898    total: 17.5s   remaining: 27.7s
387: learn: 0.0693015    total: 17.5s   remaining: 27.6s
388: learn: 0.0692326    total: 17.6s   remaining: 27.6s
389: learn: 0.0692180    total: 17.6s   remaining: 27.5s
390: learn: 0.0691357    total: 17.6s   remaining: 27.4s
391: learn: 0.0690483    total: 17.6s   remaining: 27.4s
392: learn: 0.0689186    total: 17.7s   remaining: 27.3s
393: learn: 0.0687643    total: 17.7s   remaining: 27.2s
394: learn: 0.0686685    total: 17.7s   remaining: 27.1s
395: learn: 0.0685321    total: 17.7s   remaining: 27s

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396:	learn: 0.0684132	total: 17.7s	remaining: 26.9s
397:	learn: 0.0683078	total: 17.7s	remaining: 26.8s
398:	learn: 0.0681973	total: 17.8s	remaining: 26.8s
399:	learn: 0.0680575	total: 17.8s	remaining: 26.7s
400:	learn: 0.0679294	total: 17.9s	remaining: 26.7s
401:	learn: 0.0677931	total: 17.9s	remaining: 26.7s
402:	learn: 0.0677032	total: 18s	remaining: 26.6s
403:	learn: 0.0676356	total: 18s	remaining: 26.5s
404:	learn: 0.0675606	total: 18s	remaining: 26.5s
405:	learn: 0.0674358	total: 18s	remaining: 26.4s
406:	learn: 0.0673535	total: 18.1s	remaining: 26.3s
407:	learn: 0.0672287	total: 18.1s	remaining: 26.3s
408:	learn: 0.0671086	total: 18.1s	remaining: 26.2s
409:	learn: 0.0669660	total: 18.2s	remaining: 26.2s
410:	learn: 0.0668680	total: 18.2s	remaining: 26.1s
411:	learn: 0.0667317	total: 18.2s	remaining: 26s
412:	learn: 0.0666587	total: 18.3s	remaining: 26s
413:	learn: 0.0666092	total: 18.3s	remaining: 25.9s
414:	learn: 0.0664825	total: 18.3s	remaining: 25.8s
415:	learn: 0.0663221	total: 18.3s	remaining: 25.7s
416:	learn: 0.0662315	total: 18.4s	remaining: 25.7s
417:	learn: 0.0661392	total: 18.4s	remaining: 25.6s
418:	learn: 0.0660166	total: 18.4s	remaining: 25.6s
419:	learn: 0.0659167	total: 18.5s	remaining: 25.5s
420:	learn: 0.0658001	total: 18.5s	remaining: 25.4s
421:	learn: 0.0657346	total: 18.5s	remaining: 25.3s
422:	learn: 0.0656123	total: 18.5s	remaining: 25.3s
423:	learn: 0.0655029	total: 18.5s	remaining: 25.2s
424:	learn: 0.0653324	total: 18.6s	remaining: 25.1s
425:	learn: 0.0652089	total: 18.6s	remaining: 25s
426:	learn: 0.0650837	total: 18.6s	remaining: 25s
427:	learn: 0.0649968	total: 18.7s	remaining: 24.9s
428:	learn: 0.0647881	total: 18.7s	remaining: 24.8s
429:	learn: 0.0646405	total: 18.8s	remaining: 24.9s
430:	learn: 0.0645126	total: 18.8s	remaining: 24.8s
431:	learn: 0.0643604	total: 18.8s	remaining: 24.8s
432:	learn: 0.0642610	total: 18.9s	remaining: 24.7s
433:	learn: 0.0642303	total: 18.9s	remaining: 24.7s
434:	learn: 0.0641402	total: 18.9s	remaining: 24.6s
435:	learn: 0.0640196	total: 19s	remaining: 24.5s
436:	learn: 0.0638831	total: 19s	remaining: 24.5s
437:	learn: 0.0638574	total: 19s	remaining: 24.4s
438:	learn: 0.0637795	total: 19.1s	remaining: 24.4s
439:	learn: 0.0636773	total: 19.1s	remaining: 24.3s
440:	learn: 0.0636076	total: 19.1s	remaining: 24.3s
441:	learn: 0.0635991	total: 19.2s	remaining: 24.2s
442:	learn: 0.0635180	total: 19.2s	remaining: 24.1s
443:	learn: 0.0633957	total: 19.2s	remaining: 24.1s
444:	learn: 0.0633010	total: 19.3s	remaining: 24s
445:	learn: 0.0632394	total: 19.4s	remaining: 24.1s
446:	learn: 0.0631230	total: 19.4s	remaining: 24s
447:	learn: 0.0629568	total: 19.4s	remaining: 23.9s
448:	learn: 0.0628787	total: 19.4s	remaining: 23.8s
449:	learn: 0.0628053	total: 19.5s	remaining: 23.8s
450:	learn: 0.0627210	total: 19.5s	remaining: 23.7s
451:	learn: 0.0626406	total: 19.5s	remaining: 23.7s
452:	learn: 0.0626331	total: 19.5s	remaining: 23.6s
453:	learn: 0.0625620	total: 19.6s	remaining: 23.5s
454:	learn: 0.0624461	total: 19.7s	remaining: 23.6s
455:	learn: 0.0623399	total: 19.7s	remaining: 23.5s
456:	learn: 0.0622202	total: 19.7s	remaining: 23.5s
457:	learn: 0.0621236	total: 19.8s	remaining: 23.4s
458:	learn: 0.0619901	total: 19.8s	remaining: 23.4s
459:	learn: 0.0618835	total: 19.8s	remaining: 23.3s

460:	learn: 0.0618122	total: 19.9s	remaining: 23.2s
461:	learn: 0.0616855	total: 19.9s	remaining: 23.2s
462:	learn: 0.0615252	total: 19.9s	remaining: 23.1s
463:	learn: 0.0614258	total: 20s	remaining: 23.1s
464:	learn: 0.0613128	total: 20s	remaining: 23s
465:	learn: 0.0612431	total: 20s	remaining: 23s
466:	learn: 0.0611484	total: 20.1s	remaining: 22.9s
467:	learn: 0.0610758	total: 20.1s	remaining: 22.8s
468:	learn: 0.0609768	total: 20.1s	remaining: 22.8s
469:	learn: 0.0608900	total: 20.2s	remaining: 22.8s
470:	learn: 0.0608057	total: 20.2s	remaining: 22.7s
471:	learn: 0.0606758	total: 20.2s	remaining: 22.6s
472:	learn: 0.0605467	total: 20.2s	remaining: 22.5s
473:	learn: 0.0604269	total: 20.3s	remaining: 22.5s
474:	learn: 0.0603014	total: 20.3s	remaining: 22.4s
316:	learn: 0.0739893	total: 15.2s	remaining: 32.8s
317:	learn: 0.0738709	total: 15.3s	remaining: 32.7s
318:	learn: 0.0737815	total: 15.3s	remaining: 32.7s
319:	learn: 0.0736461	total: 15.3s	remaining: 32.6s
320:	learn: 0.0735257	total: 15.4s	remaining: 32.5s
321:	learn: 0.0734293	total: 15.4s	remaining: 32.5s
322:	learn: 0.0733041	total: 15.5s	remaining: 32.5s
323:	learn: 0.0731886	total: 15.5s	remaining: 32.4s
324:	learn: 0.0730805	total: 15.5s	remaining: 32.3s
325:	learn: 0.0729948	total: 15.6s	remaining: 32.3s
326:	learn: 0.0728644	total: 15.6s	remaining: 32.2s
327:	learn: 0.0727479	total: 15.7s	remaining: 32.1s
328:	learn: 0.0726345	total: 15.7s	remaining: 32.1s
329:	learn: 0.0724990	total: 15.8s	remaining: 32.1s
330:	learn: 0.0723783	total: 15.9s	remaining: 32.1s
331:	learn: 0.0722622	total: 15.9s	remaining: 31.9s
332:	learn: 0.0721398	total: 15.9s	remaining: 31.9s
333:	learn: 0.0720049	total: 16s	remaining: 31.9s
334:	learn: 0.0718786	total: 16s	remaining: 31.8s
335:	learn: 0.0717894	total: 16s	remaining: 31.7s
336:	learn: 0.0716753	total: 16.1s	remaining: 31.6s
337:	learn: 0.0715714	total: 16.1s	remaining: 31.6s
338:	learn: 0.0714643	total: 16.2s	remaining: 31.5s
339:	learn: 0.0713425	total: 16.2s	remaining: 31.4s
340:	learn: 0.0712031	total: 16.2s	remaining: 31.4s
341:	learn: 0.0710799	total: 16.2s	remaining: 31.2s
342:	learn: 0.0709619	total: 16.3s	remaining: 31.1s
343:	learn: 0.0708475	total: 16.3s	remaining: 31.1s
344:	learn: 0.0707396	total: 16.4s	remaining: 31.1s
345:	learn: 0.0706451	total: 16.4s	remaining: 30.9s
346:	learn: 0.0705307	total: 16.5s	remaining: 31.1s
347:	learn: 0.0704650	total: 16.5s	remaining: 30.9s
348:	learn: 0.0703534	total: 16.5s	remaining: 30.8s
349:	learn: 0.0702272	total: 16.6s	remaining: 30.9s
350:	learn: 0.0701336	total: 16.7s	remaining: 30.8s
351:	learn: 0.0700470	total: 16.7s	remaining: 30.7s
352:	learn: 0.0699301	total: 16.7s	remaining: 30.7s
353:	learn: 0.0698055	total: 16.8s	remaining: 30.6s
354:	learn: 0.0697176	total: 16.8s	remaining: 30.5s
355:	learn: 0.0696040	total: 16.8s	remaining: 30.4s
356:	learn: 0.0694707	total: 16.9s	remaining: 30.4s
357:	learn: 0.0693245	total: 16.9s	remaining: 30.4s
358:	learn: 0.0692075	total: 17s	remaining: 30.3s
359:	learn: 0.0691461	total: 17s	remaining: 30.3s
360:	learn: 0.0690069	total: 17.1s	remaining: 30.3s
361:	learn: 0.0689216	total: 17.2s	remaining: 30.2s
362:	learn: 0.0688234	total: 17.2s	remaining: 30.1s
363:	learn: 0.0686906	total: 17.2s	remaining: 30s
364:	learn: 0.0686047	total: 17.3s	remaining: 30s

365:	learn: 0.0685052	total: 17.4s	remaining: 30.2s
366:	learn: 0.0683978	total: 17.5s	remaining: 30.1s
367:	learn: 0.0682772	total: 17.5s	remaining: 30.1s
368:	learn: 0.0681609	total: 17.6s	remaining: 30s
369:	learn: 0.0680195	total: 17.6s	remaining: 30.1s
370:	learn: 0.0679427	total: 17.7s	remaining: 29.9s
371:	learn: 0.0678500	total: 17.7s	remaining: 29.9s
372:	learn: 0.0677426	total: 17.8s	remaining: 29.8s
373:	learn: 0.0676358	total: 17.8s	remaining: 29.8s
374:	learn: 0.0675202	total: 17.8s	remaining: 29.7s
375:	learn: 0.0674138	total: 17.8s	remaining: 29.6s
376:	learn: 0.0672862	total: 17.9s	remaining: 29.5s
377:	learn: 0.0671482	total: 17.9s	remaining: 29.5s
378:	learn: 0.0670331	total: 17.9s	remaining: 29.4s
379:	learn: 0.0669596	total: 17.9s	remaining: 29.3s
380:	learn: 0.0668649	total: 18s	remaining: 29.2s
381:	learn: 0.0667629	total: 18s	remaining: 29.1s
382:	learn: 0.0666715	total: 18s	remaining: 29.1s
383:	learn: 0.0665835	total: 18s	remaining: 28.9s
384:	learn: 0.0664445	total: 18.1s	remaining: 28.9s
385:	learn: 0.0663461	total: 18.1s	remaining: 28.9s
386:	learn: 0.0662477	total: 18.1s	remaining: 28.7s
387:	learn: 0.0661454	total: 18.2s	remaining: 28.7s
388:	learn: 0.0660041	total: 18.3s	remaining: 28.8s
389:	learn: 0.0659238	total: 18.3s	remaining: 28.6s
390:	learn: 0.0658125	total: 18.4s	remaining: 28.6s
391:	learn: 0.0656924	total: 18.4s	remaining: 28.6s
392:	learn: 0.0656072	total: 18.4s	remaining: 28.4s
393:	learn: 0.0655176	total: 18.4s	remaining: 28.3s
394:	learn: 0.0654349	total: 18.4s	remaining: 28.2s
395:	learn: 0.0653295	total: 18.4s	remaining: 28.1s
396:	learn: 0.0652121	total: 18.5s	remaining: 28.1s
397:	learn: 0.0651182	total: 18.5s	remaining: 28s
398:	learn: 0.0650358	total: 18.5s	remaining: 27.9s
399:	learn: 0.0649215	total: 18.6s	remaining: 27.9s
400:	learn: 0.0648459	total: 18.6s	remaining: 27.8s
401:	learn: 0.0647540	total: 18.7s	remaining: 27.8s
402:	learn: 0.0646230	total: 18.7s	remaining: 27.7s
403:	learn: 0.0645192	total: 18.8s	remaining: 27.7s
404:	learn: 0.0643885	total: 18.8s	remaining: 27.6s
405:	learn: 0.0642793	total: 18.8s	remaining: 27.5s
406:	learn: 0.0642031	total: 18.9s	remaining: 27.5s
407:	learn: 0.0641255	total: 18.9s	remaining: 27.4s
408:	learn: 0.0640675	total: 19s	remaining: 27.4s
409:	learn: 0.0639597	total: 19s	remaining: 27.3s
410:	learn: 0.0638796	total: 19s	remaining: 27.2s
411:	learn: 0.0638362	total: 19s	remaining: 27.1s
412:	learn: 0.0637598	total: 19s	remaining: 27s
413:	learn: 0.0636519	total: 19s	remaining: 26.9s
414:	learn: 0.0635064	total: 19.1s	remaining: 26.9s
415:	learn: 0.0633964	total: 19.1s	remaining: 26.8s
416:	learn: 0.0632791	total: 19.1s	remaining: 26.7s
417:	learn: 0.0631780	total: 19.1s	remaining: 26.6s
418:	learn: 0.0630968	total: 19.1s	remaining: 26.6s
419:	learn: 0.0630165	total: 19.2s	remaining: 26.6s
420:	learn: 0.0629224	total: 19.3s	remaining: 26.5s
421:	learn: 0.0628196	total: 19.4s	remaining: 26.5s
422:	learn: 0.0627238	total: 19.4s	remaining: 26.4s
423:	learn: 0.0626458	total: 19.4s	remaining: 26.4s
424:	learn: 0.0625841	total: 19.5s	remaining: 26.4s
425:	learn: 0.0624941	total: 19.5s	remaining: 26.3s
426:	learn: 0.0624193	total: 19.5s	remaining: 26.2s
427:	learn: 0.0623057	total: 19.5s	remaining: 26.1s
428:	learn: 0.0622307	total: 19.5s	remaining: 26s

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429: learn: 0.0620962      total: 19.5s    remaining: 25.9s
430: learn: 0.0620607      total: 19.5s    remaining: 25.8s
431: learn: 0.0619891      total: 19.5s    remaining: 25.7s
432: learn: 0.0619172      total: 19.5s    remaining: 25.6s
433: learn: 0.0618123      total: 19.6s    remaining: 25.5s
434: learn: 0.0616680      total: 19.6s    remaining: 25.5s
435: learn: 0.0615764      total: 19.7s    remaining: 25.5s
436: learn: 0.0614516      total: 19.7s    remaining: 25.4s
437: learn: 0.0614363      total: 19.8s    remaining: 25.4s
438: learn: 0.0613354      total: 19.9s    remaining: 25.4s
439: learn: 0.0612047      total: 19.9s    remaining: 25.3s
440: learn: 0.0611274      total: 19.9s    remaining: 25.2s
441: learn: 0.0610112      total: 19.9s    remaining: 25.2s
442: learn: 0.0609359      total: 20s      remaining: 25.1s
443: learn: 0.0608600      total: 20s      remaining: 25s
444: learn: 0.0607233      total: 20s      remaining: 25s
445: learn: 0.0606201      total: 20s      remaining: 24.9s
446: learn: 0.0605290      total: 20.1s    remaining: 24.8s
447: learn: 0.0604743      total: 20.1s    remaining: 24.7s
448: learn: 0.0603803      total: 20.1s    remaining: 24.7s
449: learn: 0.0602754      total: 20.1s    remaining: 24.6s
450: learn: 0.0601839      total: 20.2s    remaining: 24.5s
451: learn: 0.0600908      total: 20.2s    remaining: 24.5s
452: learn: 0.0600076      total: 20.2s    remaining: 24.4s
453: learn: 0.0599110      total: 20.2s    remaining: 24.3s
454: learn: 0.0598310      total: 20.2s    remaining: 24.2s
455: learn: 0.0597812      total: 20.2s    remaining: 24.1s
456: learn: 0.0596567      total: 20.3s    remaining: 24.1s
457: learn: 0.0595753      total: 20.3s    remaining: 24.1s
458: learn: 0.0595073      total: 20.4s    remaining: 24s
459: learn: 0.0594148      total: 20.4s    remaining: 24s
460: learn: 0.0593436      total: 20.5s    remaining: 24s
461: learn: 0.0593101      total: 20.5s    remaining: 23.9s
462: learn: 0.0592790      total: 20.6s    remaining: 23.9s
463: learn: 0.0592009      total: 20.6s    remaining: 23.8s
464: learn: 0.0591127      total: 20.7s    remaining: 23.8s
465: learn: 0.0589857      total: 20.7s    remaining: 23.7s
466: learn: 0.0589176      total: 20.8s    remaining: 23.7s
467: learn: 0.0588546      total: 20.8s    remaining: 23.6s
468: learn: 0.0587936      total: 20.8s    remaining: 23.6s
469: learn: 0.0587290      total: 20.8s    remaining: 23.5s
470: learn: 0.0586757      total: 20.9s    remaining: 23.5s
471: learn: 0.0585925      total: 20.9s    remaining: 23.4s
472: learn: 0.0585139      total: 21s      remaining: 23.4s
473: learn: 0.0584272      total: 21s      remaining: 23.3s
316: learn: 0.0799791      total: 16.1s    remaining: 34.8s
317: learn: 0.0799550      total: 16.1s    remaining: 34.6s
318: learn: 0.0798780      total: 16.2s    remaining: 34.5s
319: learn: 0.0797288      total: 16.2s    remaining: 34.4s
320: learn: 0.0796126      total: 16.2s    remaining: 34.3s
321: learn: 0.0795124      total: 16.3s    remaining: 34.3s
322: learn: 0.0794283      total: 16.3s    remaining: 34.2s
323: learn: 0.0794104      total: 16.4s    remaining: 34.3s
324: learn: 0.0791967      total: 16.5s    remaining: 34.2s
325: learn: 0.0791845      total: 16.5s    remaining: 34.2s
326: learn: 0.0790943      total: 16.5s    remaining: 34.1s
327: learn: 0.0789551      total: 16.6s    remaining: 34s
328: learn: 0.0787748      total: 16.7s    remaining: 34s
329: learn: 0.0787604      total: 16.7s    remaining: 33.9s
330: learn: 0.0787344      total: 16.7s    remaining: 33.8s
331: learn: 0.0786070      total: 16.8s    remaining: 33.7s
332: learn: 0.0785163      total: 16.8s    remaining: 33.6s
333: learn: 0.0783199      total: 16.8s    remaining: 33.5s
334: learn: 0.0781939      total: 16.9s    remaining: 33.5s

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335: learn: 0.0779858    total: 16.9s  remaining: 33.4s
336: learn: 0.0779711    total: 17s   remaining: 33.4s
337: learn: 0.0778112    total: 17s   remaining: 33.3s
338: learn: 0.0776658    total: 17.1s  remaining: 33.3s
339: learn: 0.0775324    total: 17.1s  remaining: 33.2s
340: learn: 0.0775196    total: 17.1s  remaining: 33.1s
341: learn: 0.0773583    total: 17.1s  remaining: 32.9s
342: learn: 0.0772533    total: 17.1s  remaining: 32.8s
343: learn: 0.0772424    total: 17.2s  remaining: 32.7s
344: learn: 0.0771282    total: 17.2s  remaining: 32.6s
345: learn: 0.0771143    total: 17.2s  remaining: 32.5s
346: learn: 0.0770484    total: 17.2s  remaining: 32.4s
347: learn: 0.0768860    total: 17.2s  remaining: 32.3s
348: learn: 0.0768733    total: 17.3s  remaining: 32.2s
349: learn: 0.0768639    total: 17.3s  remaining: 32.2s
350: learn: 0.0767237    total: 17.3s  remaining: 32.1s
351: learn: 0.0765911    total: 17.4s  remaining: 32s
352: learn: 0.0765310    total: 17.4s  remaining: 31.9s
353: learn: 0.0764559    total: 17.5s  remaining: 31.9s
354: learn: 0.0763620    total: 17.6s  remaining: 31.9s
355: learn: 0.0762945    total: 17.6s  remaining: 31.8s
356: learn: 0.0761676    total: 17.6s  remaining: 31.8s
357: learn: 0.0760938    total: 17.7s  remaining: 31.7s
358: learn: 0.0760800    total: 17.7s  remaining: 31.6s
359: learn: 0.0760693    total: 17.7s  remaining: 31.5s
360: learn: 0.0759704    total: 17.8s  remaining: 31.4s
361: learn: 0.0759070    total: 17.8s  remaining: 31.3s
362: learn: 0.0758390    total: 17.8s  remaining: 31.2s
363: learn: 0.0756998    total: 17.8s  remaining: 31.1s
364: learn: 0.0756860    total: 17.8s  remaining: 31s
365: learn: 0.0755633    total: 17.8s  remaining: 30.9s
366: learn: 0.0754658    total: 17.8s  remaining: 30.8s
367: learn: 0.0754540    total: 17.9s  remaining: 30.8s
368: learn: 0.0753612    total: 17.9s  remaining: 30.7s
369: learn: 0.0751304    total: 18s   remaining: 30.7s
370: learn: 0.0749328    total: 18s   remaining: 30.5s
371: learn: 0.0748175    total: 18.1s  remaining: 30.5s
372: learn: 0.0748071    total: 18.1s  remaining: 30.4s
373: learn: 0.0747353    total: 18.2s  remaining: 30.4s
374: learn: 0.0745843    total: 18.2s  remaining: 30.3s
375: learn: 0.0744679    total: 18.2s  remaining: 30.2s
376: learn: 0.0743639    total: 18.3s  remaining: 30.2s
377: learn: 0.0742582    total: 18.3s  remaining: 30.2s
378: learn: 0.0742486    total: 18.4s  remaining: 30.1s
379: learn: 0.0742387    total: 18.4s  remaining: 30s
380: learn: 0.0741548    total: 18.4s  remaining: 29.9s
381: learn: 0.0740661    total: 18.4s  remaining: 29.8s
382: learn: 0.0739849    total: 18.5s  remaining: 29.7s
383: learn: 0.0739765    total: 18.5s  remaining: 29.6s
384: learn: 0.0738511    total: 18.5s  remaining: 29.5s
385: learn: 0.0737229    total: 18.5s  remaining: 29.5s
386: learn: 0.0736548    total: 18.6s  remaining: 29.4s
387: learn: 0.0735112    total: 18.6s  remaining: 29.3s
388: learn: 0.0735020    total: 18.6s  remaining: 29.2s
389: learn: 0.0734127    total: 18.6s  remaining: 29.1s
390: learn: 0.0733411    total: 18.6s  remaining: 29s
391: learn: 0.0732799    total: 18.7s  remaining: 28.9s
392: learn: 0.0732716    total: 18.7s  remaining: 28.9s
393: learn: 0.0731493    total: 18.7s  remaining: 28.8s
394: learn: 0.0730323    total: 18.7s  remaining: 28.7s
395: learn: 0.0729217    total: 18.8s  remaining: 28.6s
396: learn: 0.0728661    total: 18.8s  remaining: 28.6s
397: learn: 0.0728103    total: 18.8s  remaining: 28.5s
398: learn: 0.0726649    total: 18.9s  remaining: 28.4s

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399:	learn: 0.0725179	total: 18.9s	remaining: 28.3s
400:	learn: 0.0723604	total: 18.9s	remaining: 28.3s
401:	learn: 0.0722136	total: 18.9s	remaining: 28.2s
402:	learn: 0.0720995	total: 19s	remaining: 28.1s
403:	learn: 0.0720472	total: 19s	remaining: 28s
404:	learn: 0.0719268	total: 19s	remaining: 27.9s
405:	learn: 0.0719182	total: 19s	remaining: 27.9s
406:	learn: 0.0718254	total: 19.1s	remaining: 27.8s
407:	learn: 0.0718185	total: 19.1s	remaining: 27.7s
408:	learn: 0.0717706	total: 19.1s	remaining: 27.6s
409:	learn: 0.0717120	total: 19.1s	remaining: 27.5s
410:	learn: 0.0716037	total: 19.2s	remaining: 27.5s
411:	learn: 0.0713451	total: 19.3s	remaining: 27.5s
412:	learn: 0.0713384	total: 19.3s	remaining: 27.4s
413:	learn: 0.0712850	total: 19.3s	remaining: 27.3s
414:	learn: 0.0711660	total: 19.3s	remaining: 27.2s
415:	learn: 0.0709728	total: 19.3s	remaining: 27.2s
416:	learn: 0.0708643	total: 19.4s	remaining: 27.2s
417:	learn: 0.0708189	total: 19.4s	remaining: 27.1s
418:	learn: 0.0707708	total: 19.4s	remaining: 27s
419:	learn: 0.0706704	total: 19.5s	remaining: 26.9s
420:	learn: 0.0705433	total: 19.5s	remaining: 26.8s
421:	learn: 0.0704425	total: 19.5s	remaining: 26.8s
422:	learn: 0.0702969	total: 19.6s	remaining: 26.7s
423:	learn: 0.0702166	total: 19.6s	remaining: 26.7s
424:	learn: 0.0701345	total: 19.7s	remaining: 26.6s
425:	learn: 0.0700763	total: 19.7s	remaining: 26.6s
426:	learn: 0.0700278	total: 19.7s	remaining: 26.5s
427:	learn: 0.0699119	total: 19.7s	remaining: 26.4s
428:	learn: 0.0697963	total: 19.8s	remaining: 26.3s
429:	learn: 0.0697439	total: 19.8s	remaining: 26.2s
430:	learn: 0.0695898	total: 19.8s	remaining: 26.1s
431:	learn: 0.0695808	total: 19.8s	remaining: 26.1s
432:	learn: 0.0695093	total: 19.8s	remaining: 26s
433:	learn: 0.0693759	total: 19.9s	remaining: 25.9s
434:	learn: 0.0693709	total: 19.9s	remaining: 25.8s
435:	learn: 0.0692495	total: 19.9s	remaining: 25.7s
436:	learn: 0.0690655	total: 19.9s	remaining: 25.7s
437:	learn: 0.0689857	total: 20s	remaining: 25.7s
438:	learn: 0.0688919	total: 20s	remaining: 25.6s
439:	learn: 0.0687612	total: 20.1s	remaining: 25.5s
440:	learn: 0.0686713	total: 20.2s	remaining: 25.6s
441:	learn: 0.0685751	total: 20.3s	remaining: 25.6s
442:	learn: 0.0685080	total: 20.4s	remaining: 25.6s
443:	learn: 0.0684244	total: 20.5s	remaining: 25.6s
444:	learn: 0.0683604	total: 20.5s	remaining: 25.6s
445:	learn: 0.0682708	total: 20.6s	remaining: 25.5s
446:	learn: 0.0681504	total: 20.6s	remaining: 25.4s
447:	learn: 0.0680793	total: 20.6s	remaining: 25.4s
448:	learn: 0.0680468	total: 20.7s	remaining: 25.3s
449:	learn: 0.0678862	total: 20.7s	remaining: 25.3s
450:	learn: 0.0678373	total: 20.8s	remaining: 25.3s
451:	learn: 0.0677894	total: 20.8s	remaining: 25.2s
452:	learn: 0.0676868	total: 20.8s	remaining: 25.2s
453:	learn: 0.0675108	total: 20.9s	remaining: 25.1s
454:	learn: 0.0673892	total: 20.9s	remaining: 25s
455:	learn: 0.0673060	total: 20.9s	remaining: 25s
456:	learn: 0.0671694	total: 21s	remaining: 24.9s
457:	learn: 0.0670913	total: 21s	remaining: 24.8s
458:	learn: 0.0670446	total: 21s	remaining: 24.8s
459:	learn: 0.0669429	total: 21s	remaining: 24.7s
460:	learn: 0.0668157	total: 21.1s	remaining: 24.6s
461:	learn: 0.0668085	total: 21.1s	remaining: 24.6s
462:	learn: 0.0666310	total: 21.1s	remaining: 24.5s

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463: learn: 0.0664620    total: 21.2s  remaining: 24.5s
464: learn: 0.0663296    total: 21.2s  remaining: 24.4s
465: learn: 0.0662023    total: 21.3s  remaining: 24.4s
466: learn: 0.0660637    total: 21.3s  remaining: 24.3s
467: learn: 0.0660544    total: 21.3s  remaining: 24.3s
468: learn: 0.0659365    total: 21.4s  remaining: 24.3s
469: learn: 0.0658844    total: 21.5s  remaining: 24.2s
470: learn: 0.0657828    total: 21.5s  remaining: 24.2s
471: learn: 0.0656747    total: 21.6s  remaining: 24.2s
472: learn: 0.0655485    total: 21.6s  remaining: 24.1s
473: learn: 0.0654503    total: 21.7s  remaining: 24s
475: learn: 0.0602035    total: 20.3s  remaining: 22.4s
476: learn: 0.0601594    total: 20.4s  remaining: 22.3s
477: learn: 0.0600707    total: 20.4s  remaining: 22.3s
478: learn: 0.0600633    total: 20.5s  remaining: 22.3s
479: learn: 0.0598985    total: 20.5s  remaining: 22.3s
480: learn: 0.0597753    total: 20.6s  remaining: 22.2s
481: learn: 0.0596791    total: 20.6s  remaining: 22.1s
482: learn: 0.0596091    total: 20.6s  remaining: 22.1s
483: learn: 0.0595086    total: 20.6s  remaining: 22s
484: learn: 0.0594355    total: 20.7s  remaining: 22s
485: learn: 0.0592785    total: 20.8s  remaining: 22s
486: learn: 0.0592037    total: 20.8s  remaining: 21.9s
487: learn: 0.0591198    total: 20.8s  remaining: 21.9s
488: learn: 0.0590518    total: 20.9s  remaining: 21.8s
489: learn: 0.0589809    total: 20.9s  remaining: 21.8s
490: learn: 0.0589150    total: 20.9s  remaining: 21.7s
491: learn: 0.0587985    total: 20.9s  remaining: 21.6s
492: learn: 0.0587887    total: 21s   remaining: 21.6s
493: learn: 0.0587126    total: 21s   remaining: 21.5s
494: learn: 0.0587045    total: 21s   remaining: 21.4s
495: learn: 0.0586404    total: 21s   remaining: 21.4s
496: learn: 0.0585720    total: 21s   remaining: 21.3s
497: learn: 0.0584912    total: 21s   remaining: 21.2s
498: learn: 0.0583922    total: 21.1s  remaining: 21.1s
499: learn: 0.0583171    total: 21.1s  remaining: 21.1s
500: learn: 0.0582139    total: 21.1s  remaining: 21.1s
501: learn: 0.0581955    total: 21.1s  remaining: 21s
502: learn: 0.0581214    total: 21.2s  remaining: 20.9s
503: learn: 0.0580608    total: 21.2s  remaining: 20.9s
504: learn: 0.0579404    total: 21.3s  remaining: 20.8s
505: learn: 0.0578997    total: 21.3s  remaining: 20.8s
506: learn: 0.0578308    total: 21.4s  remaining: 20.8s
507: learn: 0.0577427    total: 21.5s  remaining: 20.8s
508: learn: 0.0576288    total: 21.5s  remaining: 20.7s
509: learn: 0.0575481    total: 21.5s  remaining: 20.7s
510: learn: 0.0574262    total: 21.5s  remaining: 20.6s
511: learn: 0.0573702    total: 21.6s  remaining: 20.6s
512: learn: 0.0572644    total: 21.6s  remaining: 20.5s
513: learn: 0.0571455    total: 21.6s  remaining: 20.5s
514: learn: 0.0570261    total: 21.7s  remaining: 20.4s
515: learn: 0.0569960    total: 21.7s  remaining: 20.4s
516: learn: 0.0569868    total: 21.7s  remaining: 20.3s
517: learn: 0.0568825    total: 21.8s  remaining: 20.2s
518: learn: 0.0567842    total: 21.8s  remaining: 20.2s
519: learn: 0.0567240    total: 21.8s  remaining: 20.1s
520: learn: 0.0567177    total: 21.8s  remaining: 20.1s
521: learn: 0.0566109    total: 21.9s  remaining: 20s
522: learn: 0.0565603    total: 21.9s  remaining: 20s
523: learn: 0.0564815    total: 21.9s  remaining: 19.9s
524: learn: 0.0564130    total: 22s   remaining: 19.9s
525: learn: 0.0563109    total: 22s   remaining: 19.8s
526: learn: 0.0562068    total: 22s   remaining: 19.7s
527: learn: 0.0561200    total: 22s   remaining: 19.7s

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528: learn: 0.0560263    total: 22s    remaining: 19.6s
529: learn: 0.0559546    total: 22s    remaining: 19.5s
530: learn: 0.0558788    total: 22s    remaining: 19.4s
531: learn: 0.0558167    total: 22s    remaining: 19.4s
532: learn: 0.0557511    total: 22.1s   remaining: 19.4s
533: learn: 0.0556964    total: 22.1s   remaining: 19.3s
534: learn: 0.0556197    total: 22.1s   remaining: 19.2s
535: learn: 0.0555448    total: 22.1s   remaining: 19.2s
536: learn: 0.0555029    total: 22.2s   remaining: 19.1s
537: learn: 0.0554288    total: 22.2s   remaining: 19s
538: learn: 0.0553120    total: 22.2s   remaining: 19s
539: learn: 0.0552696    total: 22.2s   remaining: 18.9s
540: learn: 0.0551881    total: 22.2s   remaining: 18.9s
541: learn: 0.0551356    total: 22.2s   remaining: 18.8s
542: learn: 0.0550114    total: 22.3s   remaining: 18.8s
543: learn: 0.0549370    total: 22.3s   remaining: 18.7s
544: learn: 0.0548411    total: 22.3s   remaining: 18.6s
545: learn: 0.0547599    total: 22.4s   remaining: 18.6s
546: learn: 0.0547154    total: 22.4s   remaining: 18.6s
547: learn: 0.0546272    total: 22.5s   remaining: 18.5s
548: learn: 0.0545487    total: 22.5s   remaining: 18.5s
549: learn: 0.0544954    total: 22.5s   remaining: 18.4s
550: learn: 0.0544076    total: 22.5s   remaining: 18.4s
551: learn: 0.0543424    total: 22.5s   remaining: 18.3s
552: learn: 0.0542370    total: 22.6s   remaining: 18.3s
553: learn: 0.0542312    total: 22.7s   remaining: 18.2s
554: learn: 0.0541425    total: 22.7s   remaining: 18.2s
555: learn: 0.0540743    total: 22.7s   remaining: 18.1s
556: learn: 0.0539676    total: 22.7s   remaining: 18.1s
557: learn: 0.0539400    total: 22.8s   remaining: 18s
558: learn: 0.0538696    total: 22.8s   remaining: 18s
559: learn: 0.0538098    total: 22.9s   remaining: 18s
560: learn: 0.0537141    total: 23s    remaining: 18s
561: learn: 0.0536166    total: 23.1s   remaining: 18s
562: learn: 0.0535119    total: 23.1s   remaining: 18s
563: learn: 0.0534445    total: 23.2s   remaining: 18s
564: learn: 0.0533953    total: 23.3s   remaining: 17.9s
565: learn: 0.0533357    total: 23.4s   remaining: 17.9s
566: learn: 0.0532547    total: 23.4s   remaining: 17.9s
567: learn: 0.0532487    total: 23.5s   remaining: 17.9s
568: learn: 0.0531956    total: 23.6s   remaining: 17.9s
569: learn: 0.0531443    total: 23.6s   remaining: 17.8s
570: learn: 0.0530705    total: 23.7s   remaining: 17.8s
571: learn: 0.0530366    total: 23.8s   remaining: 17.8s
572: learn: 0.0529843    total: 23.8s   remaining: 17.7s
573: learn: 0.0528947    total: 23.9s   remaining: 17.7s
574: learn: 0.0528418    total: 23.9s   remaining: 17.7s
575: learn: 0.0527653    total: 23.9s   remaining: 17.6s
576: learn: 0.0526772    total: 23.9s   remaining: 17.6s
577: learn: 0.0526366    total: 24s    remaining: 17.5s
578: learn: 0.0525405    total: 24s    remaining: 17.4s
579: learn: 0.0524579    total: 24.1s   remaining: 17.5s
580: learn: 0.0523639    total: 24.1s   remaining: 17.4s
581: learn: 0.0522712    total: 24.1s   remaining: 17.3s
582: learn: 0.0522071    total: 24.2s   remaining: 17.3s
583: learn: 0.0521750    total: 24.2s   remaining: 17.2s
584: learn: 0.0520620    total: 24.2s   remaining: 17.2s
585: learn: 0.0519786    total: 24.2s   remaining: 17.1s
586: learn: 0.0519115    total: 24.3s   remaining: 17.1s
587: learn: 0.0518250    total: 24.3s   remaining: 17s
588: learn: 0.0517287    total: 24.3s   remaining: 17s
589: learn: 0.0516317    total: 24.3s   remaining: 16.9s
590: learn: 0.0515839    total: 24.4s   remaining: 16.9s
591: learn: 0.0514797    total: 24.4s   remaining: 16.8s

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592: learn: 0.0513884    total: 24.4s  remaining: 16.8s
593: learn: 0.0513257    total: 24.5s  remaining: 16.7s
594: learn: 0.0512725    total: 24.5s  remaining: 16.7s
595: learn: 0.0511581    total: 24.5s  remaining: 16.6s
596: learn: 0.0510530    total: 24.6s  remaining: 16.6s
597: learn: 0.0509704    total: 24.6s  remaining: 16.5s
598: learn: 0.0508875    total: 24.7s  remaining: 16.5s
599: learn: 0.0508058    total: 24.7s  remaining: 16.5s
600: learn: 0.0507210    total: 24.7s  remaining: 16.4s
601: learn: 0.0506458    total: 24.8s  remaining: 16.4s
602: learn: 0.0506390    total: 24.8s  remaining: 16.3s
603: learn: 0.0505867    total: 24.8s  remaining: 16.3s
604: learn: 0.0504997    total: 24.8s  remaining: 16.2s
605: learn: 0.0504509    total: 24.9s  remaining: 16.2s
606: learn: 0.0504152    total: 24.9s  remaining: 16.1s
607: learn: 0.0503490    total: 24.9s  remaining: 16.1s
608: learn: 0.0502912    total: 24.9s  remaining: 16s
609: learn: 0.0502112    total: 24.9s  remaining: 15.9s
610: learn: 0.0501825    total: 24.9s  remaining: 15.9s
611: learn: 0.0501095    total: 25s   remaining: 15.8s
612: learn: 0.0499852    total: 25s   remaining: 15.8s
613: learn: 0.0499078    total: 25s   remaining: 15.7s
614: learn: 0.0498405    total: 25.1s  remaining: 15.7s
615: learn: 0.0497687    total: 25.1s  remaining: 15.6s
616: learn: 0.0496931    total: 25.1s  remaining: 15.6s
617: learn: 0.0496195    total: 25.1s  remaining: 15.5s
618: learn: 0.0495404    total: 25.2s  remaining: 15.5s
619: learn: 0.0495232    total: 25.2s  remaining: 15.4s
620: learn: 0.0494272    total: 25.2s  remaining: 15.4s
621: learn: 0.0493647    total: 25.2s  remaining: 15.3s
622: learn: 0.0493017    total: 25.2s  remaining: 15.3s
623: learn: 0.0492728    total: 25.2s  remaining: 15.2s
624: learn: 0.0492228    total: 25.3s  remaining: 15.2s
625: learn: 0.0491364    total: 25.3s  remaining: 15.1s
626: learn: 0.0490712    total: 25.3s  remaining: 15.1s
627: learn: 0.0490267    total: 25.4s  remaining: 15s
628: learn: 0.0489763    total: 25.4s  remaining: 15s
629: learn: 0.0489243    total: 25.5s  remaining: 15s
630: learn: 0.0488996    total: 25.5s  remaining: 14.9s
631: learn: 0.0487983    total: 25.5s  remaining: 14.9s
632: learn: 0.0487413    total: 25.6s  remaining: 14.8s
633: learn: 0.0487344    total: 25.6s  remaining: 14.8s
476: learn: 0.0604958    total: 20.2s  remaining: 22.1s
477: learn: 0.0604618    total: 20.2s  remaining: 22.1s
478: learn: 0.0603808    total: 20.3s  remaining: 22s
479: learn: 0.0603127    total: 20.3s  remaining: 22s
480: learn: 0.0602142    total: 20.3s  remaining: 21.9s
481: learn: 0.0601583    total: 20.3s  remaining: 21.9s
482: learn: 0.0600375    total: 20.4s  remaining: 21.8s
483: learn: 0.0599892    total: 20.4s  remaining: 21.7s
484: learn: 0.0599555    total: 20.4s  remaining: 21.7s
485: learn: 0.0598721    total: 20.4s  remaining: 21.6s
486: learn: 0.0598316    total: 20.4s  remaining: 21.5s
487: learn: 0.0597279    total: 20.5s  remaining: 21.5s
488: learn: 0.0596141    total: 20.5s  remaining: 21.4s
489: learn: 0.0595518    total: 20.5s  remaining: 21.4s
490: learn: 0.0594966    total: 20.5s  remaining: 21.3s
491: learn: 0.0594597    total: 20.5s  remaining: 21.2s
492: learn: 0.0593691    total: 20.6s  remaining: 21.2s
493: learn: 0.0592431    total: 20.7s  remaining: 21.2s
494: learn: 0.0591497    total: 20.8s  remaining: 21.2s
495: learn: 0.0591123    total: 20.8s  remaining: 21.1s
496: learn: 0.0589893    total: 20.8s  remaining: 21.1s
497: learn: 0.0589025    total: 20.8s  remaining: 21s

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498: learn: 0.0588265      total: 20.9s  remaining: 20.9s
499: learn: 0.0587220      total: 20.9s  remaining: 20.9s
500: learn: 0.0586158      total: 20.9s  remaining: 20.8s
501: learn: 0.0585304      total: 21s    remaining: 20.8s
502: learn: 0.0584659      total: 21s    remaining: 20.8s
503: learn: 0.0583350      total: 21.1s  remaining: 20.7s
504: learn: 0.0582244      total: 21.1s  remaining: 20.7s
505: learn: 0.0581306      total: 21.1s  remaining: 20.6s
506: learn: 0.0580592      total: 21.1s  remaining: 20.5s
507: learn: 0.0580073      total: 21.1s  remaining: 20.5s
508: learn: 0.0578907      total: 21.2s  remaining: 20.4s
509: learn: 0.0577918      total: 21.2s  remaining: 20.4s
510: learn: 0.0577426      total: 21.2s  remaining: 20.3s
511: learn: 0.0576360      total: 21.3s  remaining: 20.3s
512: learn: 0.0575432      total: 21.3s  remaining: 20.2s
513: learn: 0.0575042      total: 21.4s  remaining: 20.2s
514: learn: 0.0574355      total: 21.4s  remaining: 20.2s
515: learn: 0.0573592      total: 21.5s  remaining: 20.1s
516: learn: 0.0572917      total: 21.5s  remaining: 20.1s
517: learn: 0.0571848      total: 21.5s  remaining: 20s
518: learn: 0.0571377      total: 21.5s  remaining: 19.9s
519: learn: 0.0571299      total: 21.6s  remaining: 19.9s
520: learn: 0.0570577      total: 21.6s  remaining: 19.9s
521: learn: 0.0570459      total: 21.7s  remaining: 19.8s
522: learn: 0.0569260      total: 21.7s  remaining: 19.8s
523: learn: 0.0568241      total: 21.7s  remaining: 19.7s
524: learn: 0.0567622      total: 21.7s  remaining: 19.7s
525: learn: 0.0566836      total: 21.8s  remaining: 19.6s
526: learn: 0.0565933      total: 21.8s  remaining: 19.6s
527: learn: 0.0565089      total: 21.8s  remaining: 19.5s
528: learn: 0.0564346      total: 21.9s  remaining: 19.5s
529: learn: 0.0563908      total: 21.9s  remaining: 19.4s
530: learn: 0.0562959      total: 21.9s  remaining: 19.4s
531: learn: 0.0561937      total: 21.9s  remaining: 19.3s
532: learn: 0.0561212      total: 22s    remaining: 19.3s
533: learn: 0.0560279      total: 22s    remaining: 19.2s
534: learn: 0.0559823      total: 22.1s  remaining: 19.2s
535: learn: 0.0558769      total: 22.1s  remaining: 19.1s
536: learn: 0.0558424      total: 22.1s  remaining: 19.1s
537: learn: 0.0557479      total: 22.2s  remaining: 19s
538: learn: 0.0556802      total: 22.2s  remaining: 19s
539: learn: 0.0556130      total: 22.2s  remaining: 18.9s
540: learn: 0.0554847      total: 22.2s  remaining: 18.9s
541: learn: 0.0554132      total: 22.3s  remaining: 18.8s
542: learn: 0.0554035      total: 22.3s  remaining: 18.8s
543: learn: 0.0553001      total: 22.4s  remaining: 18.8s
544: learn: 0.0552127      total: 22.5s  remaining: 18.7s
545: learn: 0.0551357      total: 22.5s  remaining: 18.7s
546: learn: 0.0550643      total: 22.5s  remaining: 18.6s
547: learn: 0.0550102      total: 22.6s  remaining: 18.6s
548: learn: 0.0549268      total: 22.6s  remaining: 18.6s
549: learn: 0.0548586      total: 22.7s  remaining: 18.6s
550: learn: 0.0547618      total: 22.8s  remaining: 18.6s
551: learn: 0.0547124      total: 22.9s  remaining: 18.6s
552: learn: 0.0546715      total: 22.9s  remaining: 18.5s
553: learn: 0.0546171      total: 23s    remaining: 18.5s
554: learn: 0.0545061      total: 23.1s  remaining: 18.5s
555: learn: 0.0544033      total: 23.1s  remaining: 18.5s
556: learn: 0.0543544      total: 23.2s  remaining: 18.4s
557: learn: 0.0543244      total: 23.4s  remaining: 18.6s
558: learn: 0.0542847      total: 23.5s  remaining: 18.5s
559: learn: 0.0542170      total: 23.6s  remaining: 18.5s
560: learn: 0.0541019      total: 23.7s  remaining: 18.5s
561: learn: 0.0540919      total: 23.7s  remaining: 18.5s

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562: learn: 0.0540046    total: 23.8s  remaining: 18.5s
563: learn: 0.0539960    total: 23.8s  remaining: 18.4s
564: learn: 0.0539036    total: 23.9s  remaining: 18.4s
565: learn: 0.0537968    total: 23.9s  remaining: 18.3s
566: learn: 0.0537708    total: 23.9s  remaining: 18.3s
567: learn: 0.0536964    total: 24s    remaining: 18.2s
568: learn: 0.0536319    total: 24s    remaining: 18.2s
569: learn: 0.0535599    total: 24s    remaining: 18.1s
570: learn: 0.0534735    total: 24.1s  remaining: 18.1s
571: learn: 0.0533734    total: 24.1s  remaining: 18s
572: learn: 0.0533612    total: 24.1s  remaining: 18s
573: learn: 0.0532850    total: 24.2s  remaining: 18s
574: learn: 0.0532110    total: 24.2s  remaining: 17.9s
575: learn: 0.0531152    total: 24.3s  remaining: 17.9s
576: learn: 0.0531051    total: 24.4s  remaining: 17.9s
577: learn: 0.0530652    total: 24.4s  remaining: 17.8s
578: learn: 0.0530037    total: 24.4s  remaining: 17.8s
579: learn: 0.0529288    total: 24.4s  remaining: 17.7s
580: learn: 0.0528844    total: 24.5s  remaining: 17.6s
581: learn: 0.0528152    total: 24.5s  remaining: 17.6s
582: learn: 0.0527416    total: 24.6s  remaining: 17.6s
583: learn: 0.0526340    total: 24.6s  remaining: 17.5s
584: learn: 0.0525502    total: 24.7s  remaining: 17.5s
585: learn: 0.0524463    total: 24.7s  remaining: 17.5s
586: learn: 0.0523721    total: 24.7s  remaining: 17.4s
587: learn: 0.0522802    total: 24.7s  remaining: 17.3s
588: learn: 0.0522093    total: 24.8s  remaining: 17.3s
589: learn: 0.0521441    total: 24.8s  remaining: 17.2s
590: learn: 0.0520647    total: 24.8s  remaining: 17.2s
591: learn: 0.0519781    total: 24.8s  remaining: 17.1s
592: learn: 0.0518816    total: 24.9s  remaining: 17.1s
593: learn: 0.0517820    total: 24.9s  remaining: 17s
594: learn: 0.0517293    total: 24.9s  remaining: 17s
595: learn: 0.0516356    total: 24.9s  remaining: 16.9s
596: learn: 0.0515561    total: 24.9s  remaining: 16.8s
597: learn: 0.0515427    total: 25s    remaining: 16.8s
598: learn: 0.0514567    total: 25s    remaining: 16.7s
599: learn: 0.0513238    total: 25.1s  remaining: 16.7s
600: learn: 0.0512565    total: 25.1s  remaining: 16.7s
601: learn: 0.0511642    total: 25.1s  remaining: 16.6s
602: learn: 0.0510826    total: 25.1s  remaining: 16.5s
603: learn: 0.0510042    total: 25.1s  remaining: 16.5s
604: learn: 0.0509419    total: 25.1s  remaining: 16.4s
605: learn: 0.0508780    total: 25.2s  remaining: 16.4s
606: learn: 0.0508736    total: 25.2s  remaining: 16.3s
607: learn: 0.0507864    total: 25.2s  remaining: 16.2s
608: learn: 0.0507456    total: 25.2s  remaining: 16.2s
609: learn: 0.0506867    total: 25.3s  remaining: 16.1s
610: learn: 0.0506809    total: 25.3s  remaining: 16.1s
611: learn: 0.0506753    total: 25.3s  remaining: 16.1s
612: learn: 0.0506376    total: 25.4s  remaining: 16s
613: learn: 0.0505765    total: 25.4s  remaining: 16s
614: learn: 0.0505373    total: 25.4s  remaining: 15.9s
615: learn: 0.0504487    total: 25.5s  remaining: 15.9s
616: learn: 0.0503980    total: 25.5s  remaining: 15.8s
617: learn: 0.0503901    total: 25.6s  remaining: 15.8s
618: learn: 0.0503224    total: 25.7s  remaining: 15.8s
619: learn: 0.0502877    total: 25.7s  remaining: 15.8s
620: learn: 0.0502128    total: 25.7s  remaining: 15.7s
621: learn: 0.0501381    total: 25.7s  remaining: 15.6s
622: learn: 0.0500789    total: 25.8s  remaining: 15.6s
623: learn: 0.0500190    total: 25.8s  remaining: 15.6s
624: learn: 0.0499692    total: 25.9s  remaining: 15.5s
625: learn: 0.0499100    total: 25.9s  remaining: 15.5s

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626:	learn: 0.0498130	total: 26s	remaining: 15.4s
627:	learn: 0.0497229	total: 26s	remaining: 15.4s
628:	learn: 0.0496213	total: 26s	remaining: 15.4s
629:	learn: 0.0495300	total: 26.1s	remaining: 15.3s
630:	learn: 0.0495197	total: 26.1s	remaining: 15.3s
631:	learn: 0.0494376	total: 26.2s	remaining: 15.2s
632:	learn: 0.0493790	total: 26.2s	remaining: 15.2s
633:	learn: 0.0492966	total: 26.3s	remaining: 15.2s
475:	learn: 0.0653323	total: 20.3s	remaining: 22.4s
476:	learn: 0.0652404	total: 20.4s	remaining: 22.3s
477:	learn: 0.0651627	total: 20.4s	remaining: 22.3s
478:	learn: 0.0650803	total: 20.5s	remaining: 22.2s
479:	learn: 0.0649979	total: 20.5s	remaining: 22.3s
480:	learn: 0.0649635	total: 20.6s	remaining: 22.2s
481:	learn: 0.0648353	total: 20.6s	remaining: 22.2s
482:	learn: 0.0647420	total: 20.7s	remaining: 22.1s
483:	learn: 0.0646402	total: 20.7s	remaining: 22.1s
484:	learn: 0.0644908	total: 20.8s	remaining: 22.1s
485:	learn: 0.0644035	total: 20.8s	remaining: 22s
486:	learn: 0.0643029	total: 20.9s	remaining: 22s
487:	learn: 0.0642968	total: 20.9s	remaining: 21.9s
488:	learn: 0.0641595	total: 21s	remaining: 21.9s
489:	learn: 0.0640842	total: 21s	remaining: 21.8s
490:	learn: 0.0639848	total: 21s	remaining: 21.8s
491:	learn: 0.0638892	total: 21.1s	remaining: 21.8s
492:	learn: 0.0638174	total: 21.1s	remaining: 21.7s
493:	learn: 0.0637485	total: 21.1s	remaining: 21.6s
494:	learn: 0.0636954	total: 21.2s	remaining: 21.6s
495:	learn: 0.0635637	total: 21.2s	remaining: 21.6s
496:	learn: 0.0635032	total: 21.3s	remaining: 21.5s
497:	learn: 0.0634245	total: 21.3s	remaining: 21.5s
498:	learn: 0.0633074	total: 21.3s	remaining: 21.4s
499:	learn: 0.0631607	total: 21.4s	remaining: 21.4s
500:	learn: 0.0630518	total: 21.4s	remaining: 21.3s
501:	learn: 0.0629386	total: 21.5s	remaining: 21.3s
502:	learn: 0.0629325	total: 21.5s	remaining: 21.3s
503:	learn: 0.0628142	total: 21.6s	remaining: 21.3s
504:	learn: 0.0626857	total: 21.6s	remaining: 21.2s
505:	learn: 0.0625664	total: 21.7s	remaining: 21.2s
506:	learn: 0.0625609	total: 21.7s	remaining: 21.1s
507:	learn: 0.0624765	total: 21.8s	remaining: 21.1s
508:	learn: 0.0623852	total: 21.8s	remaining: 21s
509:	learn: 0.0623062	total: 21.8s	remaining: 21s
510:	learn: 0.0622098	total: 21.9s	remaining: 20.9s
511:	learn: 0.0621685	total: 21.9s	remaining: 20.8s
512:	learn: 0.0620522	total: 22s	remaining: 20.9s
513:	learn: 0.0619646	total: 22s	remaining: 20.8s
514:	learn: 0.0618708	total: 22s	remaining: 20.7s
515:	learn: 0.0617861	total: 22s	remaining: 20.7s
516:	learn: 0.0617485	total: 22.1s	remaining: 20.6s
517:	learn: 0.0616585	total: 22.1s	remaining: 20.6s
518:	learn: 0.0616305	total: 22.1s	remaining: 20.5s
519:	learn: 0.0615555	total: 22.2s	remaining: 20.5s
520:	learn: 0.0614860	total: 22.2s	remaining: 20.4s
521:	learn: 0.0614158	total: 22.2s	remaining: 20.4s
522:	learn: 0.0613510	total: 22.2s	remaining: 20.3s
523:	learn: 0.0612685	total: 22.3s	remaining: 20.2s
524:	learn: 0.0612408	total: 22.3s	remaining: 20.2s
525:	learn: 0.0611601	total: 22.4s	remaining: 20.2s
526:	learn: 0.0610989	total: 22.4s	remaining: 20.1s
527:	learn: 0.0609902	total: 22.4s	remaining: 20.1s
528:	learn: 0.0609605	total: 22.5s	remaining: 20s
529:	learn: 0.0609003	total: 22.5s	remaining: 19.9s
530:	learn: 0.0607923	total: 22.5s	remaining: 19.9s

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531: learn: 0.0607640    total: 22.5s  remaining: 19.8s
532: learn: 0.0606844    total: 22.6s  remaining: 19.8s
533: learn: 0.0606282    total: 22.6s  remaining: 19.7s
534: learn: 0.0605800    total: 22.6s  remaining: 19.7s
535: learn: 0.0604931    total: 22.7s  remaining: 19.6s
536: learn: 0.0604658    total: 22.8s  remaining: 19.6s
537: learn: 0.0603863    total: 22.8s  remaining: 19.6s
538: learn: 0.0602541    total: 23s    remaining: 19.6s
539: learn: 0.0601604    total: 23s    remaining: 19.6s
540: learn: 0.0600683    total: 23.3s  remaining: 19.8s
541: learn: 0.0599851    total: 23.4s  remaining: 19.7s
542: learn: 0.0598742    total: 23.5s  remaining: 19.8s
543: learn: 0.0597991    total: 23.5s  remaining: 19.7s
544: learn: 0.0597091    total: 23.5s  remaining: 19.7s
545: learn: 0.0595915    total: 23.6s  remaining: 19.7s
546: learn: 0.0594697    total: 23.7s  remaining: 19.6s
547: learn: 0.0594031    total: 23.7s  remaining: 19.6s
548: learn: 0.0592784    total: 23.7s  remaining: 19.5s
549: learn: 0.0592368    total: 23.8s  remaining: 19.4s
550: learn: 0.0592319    total: 23.8s  remaining: 19.4s
551: learn: 0.0591800    total: 23.9s  remaining: 19.4s
552: learn: 0.0591126    total: 23.9s  remaining: 19.3s
553: learn: 0.0590737    total: 23.9s  remaining: 19.2s
554: learn: 0.0590300    total: 23.9s  remaining: 19.2s
555: learn: 0.0589625    total: 24s    remaining: 19.1s
556: learn: 0.0588778    total: 24s    remaining: 19.1s
557: learn: 0.0587981    total: 24s    remaining: 19s
558: learn: 0.0587307    total: 24.1s  remaining: 19s
559: learn: 0.0586566    total: 24.1s  remaining: 18.9s
560: learn: 0.0585783    total: 24.1s  remaining: 18.9s
561: learn: 0.0585094    total: 24.1s  remaining: 18.8s
562: learn: 0.0584250    total: 24.2s  remaining: 18.8s
563: learn: 0.0582870    total: 24.3s  remaining: 18.8s
564: learn: 0.0582447    total: 24.3s  remaining: 18.7s
565: learn: 0.0582111    total: 24.3s  remaining: 18.6s
566: learn: 0.0581126    total: 24.4s  remaining: 18.6s
567: learn: 0.0580520    total: 24.4s  remaining: 18.6s
568: learn: 0.0579577    total: 24.4s  remaining: 18.5s
569: learn: 0.0578849    total: 24.5s  remaining: 18.5s
570: learn: 0.0577887    total: 24.5s  remaining: 18.4s
571: learn: 0.0576986    total: 24.6s  remaining: 18.4s
572: learn: 0.0576267    total: 24.7s  remaining: 18.4s
573: learn: 0.0575745    total: 24.7s  remaining: 18.3s
574: learn: 0.0575419    total: 24.7s  remaining: 18.3s
575: learn: 0.0574357    total: 24.7s  remaining: 18.2s
576: learn: 0.0573471    total: 24.8s  remaining: 18.1s
577: learn: 0.0573215    total: 24.8s  remaining: 18.1s
578: learn: 0.0572199    total: 24.8s  remaining: 18s
579: learn: 0.0571684    total: 24.8s  remaining: 18s
580: learn: 0.0570856    total: 24.8s  remaining: 17.9s
581: learn: 0.0569065    total: 24.8s  remaining: 17.8s
582: learn: 0.0567791    total: 24.8s  remaining: 17.8s
583: learn: 0.0566938    total: 24.8s  remaining: 17.7s
584: learn: 0.0566106    total: 24.9s  remaining: 17.6s
585: learn: 0.0565358    total: 24.9s  remaining: 17.6s
586: learn: 0.0564439    total: 24.9s  remaining: 17.5s
587: learn: 0.0563366    total: 24.9s  remaining: 17.5s
588: learn: 0.0563319    total: 25s    remaining: 17.4s
589: learn: 0.0562964    total: 25s    remaining: 17.4s
590: learn: 0.0562275    total: 25.1s  remaining: 17.3s
591: learn: 0.0561824    total: 25.1s  remaining: 17.3s
592: learn: 0.0560875    total: 25.1s  remaining: 17.2s
593: learn: 0.0560831    total: 25.1s  remaining: 17.2s
594: learn: 0.0560249    total: 25.1s  remaining: 17.1s

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595: learn: 0.0558971    total: 25.2s  remaining: 17.1s
596: learn: 0.0558470    total: 25.2s  remaining: 17s
597: learn: 0.0557369    total: 25.2s  remaining: 17s
598: learn: 0.0556610    total: 25.3s  remaining: 16.9s
599: learn: 0.0555765    total: 25.3s  remaining: 16.9s
600: learn: 0.0555298    total: 25.4s  remaining: 16.8s
601: learn: 0.0554815    total: 25.4s  remaining: 16.8s
602: learn: 0.0554212    total: 25.5s  remaining: 16.8s
603: learn: 0.0553294    total: 25.5s  remaining: 16.7s
604: learn: 0.0552842    total: 25.6s  remaining: 16.7s
605: learn: 0.0552407    total: 25.6s  remaining: 16.7s
606: learn: 0.0552030    total: 25.7s  remaining: 16.6s
607: learn: 0.0551498    total: 25.7s  remaining: 16.6s
608: learn: 0.0550638    total: 25.8s  remaining: 16.5s
609: learn: 0.0549753    total: 25.8s  remaining: 16.5s
610: learn: 0.0549062    total: 25.8s  remaining: 16.4s
611: learn: 0.0549017    total: 25.8s  remaining: 16.4s
612: learn: 0.0548708    total: 25.9s  remaining: 16.3s
613: learn: 0.0548383    total: 25.9s  remaining: 16.3s
614: learn: 0.0547662    total: 25.9s  remaining: 16.2s
615: learn: 0.0546806    total: 25.9s  remaining: 16.2s
616: learn: 0.0545889    total: 26s   remaining: 16.1s
617: learn: 0.0545286    total: 26s   remaining: 16.1s
618: learn: 0.0544483    total: 26s   remaining: 16s
619: learn: 0.0543747    total: 26.2s  remaining: 16s
620: learn: 0.0542839    total: 26.2s  remaining: 16s
621: learn: 0.0542062    total: 26.2s  remaining: 15.9s
622: learn: 0.0541322    total: 26.3s  remaining: 15.9s
623: learn: 0.0540667    total: 26.3s  remaining: 15.9s
624: learn: 0.0540108    total: 26.4s  remaining: 15.8s
625: learn: 0.0539761    total: 26.5s  remaining: 15.8s
626: learn: 0.0539160    total: 26.6s  remaining: 15.8s
627: learn: 0.0538475    total: 26.6s  remaining: 15.8s
628: learn: 0.0538210    total: 26.7s  remaining: 15.7s
629: learn: 0.0537951    total: 26.7s  remaining: 15.7s
630: learn: 0.0537286    total: 26.7s  remaining: 15.6s
631: learn: 0.0536794    total: 26.8s  remaining: 15.6s
632: learn: 0.0535793    total: 26.8s  remaining: 15.5s
474: learn: 0.0583548    total: 21s   remaining: 23.3s
475: learn: 0.0582912    total: 21.1s  remaining: 23.3s
476: learn: 0.0582308    total: 21.2s  remaining: 23.2s
477: learn: 0.0581273    total: 21.2s  remaining: 23.1s
478: learn: 0.0580643    total: 21.3s  remaining: 23.1s
479: learn: 0.0580348    total: 21.3s  remaining: 23.1s
480: learn: 0.0579687    total: 21.3s  remaining: 23s
481: learn: 0.0578710    total: 21.4s  remaining: 23s
482: learn: 0.0578180    total: 21.4s  remaining: 22.9s
483: learn: 0.0576946    total: 21.5s  remaining: 22.9s
484: learn: 0.0576394    total: 21.5s  remaining: 22.8s
485: learn: 0.0575013    total: 21.5s  remaining: 22.8s
486: learn: 0.0573950    total: 21.6s  remaining: 22.7s
487: learn: 0.0573011    total: 21.6s  remaining: 22.7s
488: learn: 0.0572356    total: 21.7s  remaining: 22.6s
489: learn: 0.0571410    total: 21.7s  remaining: 22.6s
490: learn: 0.0570817    total: 21.7s  remaining: 22.5s
491: learn: 0.0569636    total: 21.7s  remaining: 22.4s
492: learn: 0.0568655    total: 21.8s  remaining: 22.4s
493: learn: 0.0568000    total: 21.8s  remaining: 22.4s
494: learn: 0.0567114    total: 21.9s  remaining: 22.3s
495: learn: 0.0566184    total: 21.9s  remaining: 22.2s
496: learn: 0.0565173    total: 21.9s  remaining: 22.2s
497: learn: 0.0564645    total: 21.9s  remaining: 22.1s
498: learn: 0.0563448    total: 21.9s  remaining: 22s
499: learn: 0.0562331    total: 22s   remaining: 22s

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500:	learn: 0.0561582	total: 22s	remaining: 21.9s
501:	learn: 0.0560484	total: 22s	remaining: 21.9s
502:	learn: 0.0559766	total: 22.1s	remaining: 21.8s
503:	learn: 0.0559220	total: 22.1s	remaining: 21.8s
504:	learn: 0.0558526	total: 22.1s	remaining: 21.7s
505:	learn: 0.0557596	total: 22.1s	remaining: 21.6s
506:	learn: 0.0556489	total: 22.2s	remaining: 21.5s
507:	learn: 0.0556033	total: 22.2s	remaining: 21.5s
508:	learn: 0.0555190	total: 22.2s	remaining: 21.4s
509:	learn: 0.0554707	total: 22.2s	remaining: 21.4s
510:	learn: 0.0554197	total: 22.3s	remaining: 21.3s
511:	learn: 0.0553330	total: 22.3s	remaining: 21.3s
512:	learn: 0.0552387	total: 22.3s	remaining: 21.2s
513:	learn: 0.0551592	total: 22.4s	remaining: 21.2s
514:	learn: 0.0550599	total: 22.6s	remaining: 21.2s
515:	learn: 0.0549932	total: 22.6s	remaining: 21.2s
516:	learn: 0.0548880	total: 22.7s	remaining: 21.2s
517:	learn: 0.0547739	total: 22.7s	remaining: 21.2s
518:	learn: 0.0546970	total: 22.8s	remaining: 21.1s
519:	learn: 0.0545844	total: 22.8s	remaining: 21s
520:	learn: 0.0545105	total: 22.8s	remaining: 21s
521:	learn: 0.0544531	total: 22.9s	remaining: 21s
522:	learn: 0.0543651	total: 23s	remaining: 21s
523:	learn: 0.0543108	total: 23.1s	remaining: 21s
524:	learn: 0.0542600	total: 23.3s	remaining: 21.1s
525:	learn: 0.0542085	total: 23.3s	remaining: 21s
526:	learn: 0.0541222	total: 23.4s	remaining: 21s
527:	learn: 0.0540689	total: 23.5s	remaining: 21s
528:	learn: 0.0539959	total: 23.5s	remaining: 20.9s
529:	learn: 0.0538904	total: 23.6s	remaining: 20.9s
530:	learn: 0.0538032	total: 23.7s	remaining: 20.9s
531:	learn: 0.0537223	total: 23.8s	remaining: 20.9s
532:	learn: 0.0536737	total: 23.8s	remaining: 20.9s
533:	learn: 0.0535674	total: 23.9s	remaining: 20.8s
534:	learn: 0.0534833	total: 23.9s	remaining: 20.7s
535:	learn: 0.0533895	total: 23.9s	remaining: 20.7s
536:	learn: 0.0532992	total: 24s	remaining: 20.7s
537:	learn: 0.0532165	total: 24.1s	remaining: 20.7s
538:	learn: 0.0531321	total: 24.1s	remaining: 20.6s
539:	learn: 0.0530365	total: 24.2s	remaining: 20.6s
540:	learn: 0.0529866	total: 24.2s	remaining: 20.5s
541:	learn: 0.0529259	total: 24.2s	remaining: 20.5s
542:	learn: 0.0528448	total: 24.3s	remaining: 20.4s
543:	learn: 0.0527579	total: 24.3s	remaining: 20.4s
544:	learn: 0.0526387	total: 24.3s	remaining: 20.3s
545:	learn: 0.0526059	total: 24.3s	remaining: 20.2s
546:	learn: 0.0525071	total: 24.4s	remaining: 20.2s
547:	learn: 0.0524355	total: 24.4s	remaining: 20.1s
548:	learn: 0.0523835	total: 24.4s	remaining: 20.1s
549:	learn: 0.0523001	total: 24.4s	remaining: 20s
550:	learn: 0.0522442	total: 24.5s	remaining: 20s
551:	learn: 0.0521650	total: 24.5s	remaining: 19.9s
552:	learn: 0.0520868	total: 24.6s	remaining: 19.9s
553:	learn: 0.0520314	total: 24.7s	remaining: 19.9s
554:	learn: 0.0519713	total: 24.7s	remaining: 19.8s
555:	learn: 0.0519211	total: 24.7s	remaining: 19.7s
556:	learn: 0.0518813	total: 24.7s	remaining: 19.7s
557:	learn: 0.0517965	total: 24.7s	remaining: 19.6s
558:	learn: 0.0517570	total: 24.8s	remaining: 19.5s
559:	learn: 0.0516824	total: 24.8s	remaining: 19.5s
560:	learn: 0.0516030	total: 24.8s	remaining: 19.4s
561:	learn: 0.0515558	total: 24.8s	remaining: 19.4s
562:	learn: 0.0515252	total: 24.9s	remaining: 19.3s
563:	learn: 0.0514652	total: 24.9s	remaining: 19.2s

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564: learn: 0.0513422    total: 24.9s  remaining: 19.2s
565: learn: 0.0512649    total: 24.9s  remaining: 19.1s
566: learn: 0.0511809    total: 25s    remaining: 19.1s
567: learn: 0.0511440    total: 25s    remaining: 19s
568: learn: 0.0510778    total: 25s    remaining: 18.9s
569: learn: 0.0510413    total: 25.1s  remaining: 18.9s
570: learn: 0.0509663    total: 25.1s  remaining: 18.8s
571: learn: 0.0508945    total: 25.1s  remaining: 18.8s
572: learn: 0.0508224    total: 25.1s  remaining: 18.7s
573: learn: 0.0507179    total: 25.1s  remaining: 18.6s
574: learn: 0.0506478    total: 25.1s  remaining: 18.6s
575: learn: 0.0505890    total: 25.2s  remaining: 18.5s
576: learn: 0.0505548    total: 25.2s  remaining: 18.5s
577: learn: 0.0504796    total: 25.2s  remaining: 18.4s
578: learn: 0.0504274    total: 25.2s  remaining: 18.3s
579: learn: 0.0503529    total: 25.3s  remaining: 18.3s
580: learn: 0.0502857    total: 25.3s  remaining: 18.2s
581: learn: 0.0502148    total: 25.3s  remaining: 18.2s
582: learn: 0.0501411    total: 25.3s  remaining: 18.1s
583: learn: 0.0500424    total: 25.4s  remaining: 18.1s
584: learn: 0.0499793    total: 25.4s  remaining: 18s
585: learn: 0.0498808    total: 25.4s  remaining: 18s
586: learn: 0.0498094    total: 25.4s  remaining: 17.9s
587: learn: 0.0497563    total: 25.5s  remaining: 17.8s
588: learn: 0.0497146    total: 25.5s  remaining: 17.8s
589: learn: 0.0497022    total: 25.5s  remaining: 17.7s
590: learn: 0.0496591    total: 25.5s  remaining: 17.7s
591: learn: 0.0496098    total: 25.6s  remaining: 17.6s
592: learn: 0.0495567    total: 25.6s  remaining: 17.6s
593: learn: 0.0495128    total: 25.7s  remaining: 17.5s
594: learn: 0.0494488    total: 25.7s  remaining: 17.5s
595: learn: 0.0493302    total: 25.7s  remaining: 17.4s
596: learn: 0.0493017    total: 25.7s  remaining: 17.4s
597: learn: 0.0492774    total: 25.8s  remaining: 17.3s
598: learn: 0.0492299    total: 25.8s  remaining: 17.3s
599: learn: 0.0491497    total: 25.9s  remaining: 17.3s
600: learn: 0.0490762    total: 25.9s  remaining: 17.2s
601: learn: 0.0490470    total: 26s    remaining: 17.2s
602: learn: 0.0489855    total: 26s    remaining: 17.1s
603: learn: 0.0488587    total: 26s    remaining: 17.1s
604: learn: 0.0487825    total: 26.2s  remaining: 17.1s
605: learn: 0.0487294    total: 26.3s  remaining: 17.1s
606: learn: 0.0486661    total: 26.3s  remaining: 17s
607: learn: 0.0486182    total: 26.4s  remaining: 17s
608: learn: 0.0485672    total: 26.4s  remaining: 17s
609: learn: 0.0484767    total: 26.5s  remaining: 17s
610: learn: 0.0484330    total: 26.5s  remaining: 16.9s
611: learn: 0.0483449    total: 26.6s  remaining: 16.9s
612: learn: 0.0482854    total: 26.7s  remaining: 16.8s
613: learn: 0.0482457    total: 26.7s  remaining: 16.8s
614: learn: 0.0481511    total: 26.8s  remaining: 16.8s
615: learn: 0.0480930    total: 26.8s  remaining: 16.7s
616: learn: 0.0480248    total: 26.9s  remaining: 16.7s
617: learn: 0.0479710    total: 26.9s  remaining: 16.6s
618: learn: 0.0479125    total: 27s    remaining: 16.6s
619: learn: 0.0478651    total: 27s    remaining: 16.5s
620: learn: 0.0478131    total: 27s    remaining: 16.5s
621: learn: 0.0477918    total: 27s    remaining: 16.4s
622: learn: 0.0477696    total: 27.1s  remaining: 16.4s
623: learn: 0.0476986    total: 27.2s  remaining: 16.4s
624: learn: 0.0476164    total: 27.2s  remaining: 16.3s
625: learn: 0.0475614    total: 27.3s  remaining: 16.3s
626: learn: 0.0474939    total: 27.3s  remaining: 16.2s
627: learn: 0.0473850    total: 27.4s  remaining: 16.2s

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628:	learn: 0.0473101	total: 27.5s	remaining: 16.2s
629:	learn: 0.0472492	total: 27.6s	remaining: 16.2s
630:	learn: 0.0471906	total: 27.7s	remaining: 16.2s
631:	learn: 0.0471477	total: 27.8s	remaining: 16.2s
474:	learn: 0.0654145	total: 21.7s	remaining: 24s
475:	learn: 0.0652940	total: 21.7s	remaining: 23.9s
476:	learn: 0.0652325	total: 21.8s	remaining: 23.9s
477:	learn: 0.0651553	total: 21.8s	remaining: 23.8s
478:	learn: 0.0650373	total: 21.9s	remaining: 23.8s
479:	learn: 0.0649271	total: 21.9s	remaining: 23.8s
480:	learn: 0.0648264	total: 22s	remaining: 23.7s
481:	learn: 0.0647127	total: 22s	remaining: 23.6s
482:	learn: 0.0645722	total: 22s	remaining: 23.5s
483:	learn: 0.0644462	total: 22s	remaining: 23.5s
484:	learn: 0.0643941	total: 22s	remaining: 23.4s
485:	learn: 0.0643236	total: 22.1s	remaining: 23.4s
486:	learn: 0.0642549	total: 22.1s	remaining: 23.3s
487:	learn: 0.0641406	total: 22.1s	remaining: 23.2s
488:	learn: 0.0641033	total: 22.2s	remaining: 23.2s
489:	learn: 0.0640168	total: 22.2s	remaining: 23.1s
490:	learn: 0.0639945	total: 22.2s	remaining: 23s
491:	learn: 0.0638851	total: 22.3s	remaining: 23s
492:	learn: 0.0637747	total: 22.3s	remaining: 23s
493:	learn: 0.0637208	total: 22.3s	remaining: 22.9s
494:	learn: 0.0636028	total: 22.3s	remaining: 22.8s
495:	learn: 0.0634702	total: 22.4s	remaining: 22.7s
496:	learn: 0.0634345	total: 22.4s	remaining: 22.7s
497:	learn: 0.0633529	total: 22.5s	remaining: 22.6s
498:	learn: 0.0632515	total: 22.5s	remaining: 22.6s
499:	learn: 0.0632003	total: 22.6s	remaining: 22.6s
500:	learn: 0.0630957	total: 22.6s	remaining: 22.5s
501:	learn: 0.0629846	total: 22.7s	remaining: 22.5s
502:	learn: 0.0628917	total: 22.7s	remaining: 22.4s
503:	learn: 0.0628859	total: 22.8s	remaining: 22.4s
504:	learn: 0.0628103	total: 22.8s	remaining: 22.4s
505:	learn: 0.0627370	total: 22.9s	remaining: 22.3s
506:	learn: 0.0626668	total: 22.9s	remaining: 22.3s
507:	learn: 0.0626041	total: 23s	remaining: 22.2s
508:	learn: 0.0625067	total: 23.1s	remaining: 22.2s
509:	learn: 0.0624363	total: 23.1s	remaining: 22.2s
510:	learn: 0.0623809	total: 23.1s	remaining: 22.2s
511:	learn: 0.0623181	total: 23.2s	remaining: 22.1s
512:	learn: 0.0622091	total: 23.3s	remaining: 22.1s
513:	learn: 0.0620918	total: 23.3s	remaining: 22.1s
514:	learn: 0.0620224	total: 23.4s	remaining: 22s
515:	learn: 0.0618817	total: 23.5s	remaining: 22s
516:	learn: 0.0617987	total: 23.7s	remaining: 22.1s
517:	learn: 0.0617144	total: 23.7s	remaining: 22.1s
518:	learn: 0.0616264	total: 23.8s	remaining: 22.1s
519:	learn: 0.0615161	total: 23.9s	remaining: 22.1s
520:	learn: 0.0614061	total: 23.9s	remaining: 22s
521:	learn: 0.0613401	total: 24s	remaining: 22s
522:	learn: 0.0612095	total: 24s	remaining: 21.9s
523:	learn: 0.0612061	total: 24.1s	remaining: 21.9s
524:	learn: 0.0611212	total: 24.1s	remaining: 21.8s
525:	learn: 0.0610280	total: 24.2s	remaining: 21.8s
526:	learn: 0.0609733	total: 24.2s	remaining: 21.8s
527:	learn: 0.0609000	total: 24.3s	remaining: 21.7s
528:	learn: 0.0608297	total: 24.3s	remaining: 21.7s
529:	learn: 0.0607440	total: 24.4s	remaining: 21.6s
530:	learn: 0.0606670	total: 24.4s	remaining: 21.5s
531:	learn: 0.0605537	total: 24.4s	remaining: 21.5s
532:	learn: 0.0604992	total: 24.5s	remaining: 21.4s
533:	learn: 0.0604450	total: 24.5s	remaining: 21.4s

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534: learn: 0.0603754    total: 24.6s  remaining: 21.3s
535: learn: 0.0603093    total: 24.6s  remaining: 21.3s
536: learn: 0.0602368    total: 24.6s  remaining: 21.2s
537: learn: 0.0601389    total: 24.6s  remaining: 21.1s
538: learn: 0.0601076    total: 24.7s  remaining: 21.1s
539: learn: 0.0600722    total: 24.7s  remaining: 21s
540: learn: 0.0599980    total: 24.7s  remaining: 21s
541: learn: 0.0598990    total: 24.8s  remaining: 21s
542: learn: 0.0598195    total: 24.8s  remaining: 20.9s
543: learn: 0.0597105    total: 24.9s  remaining: 20.8s
544: learn: 0.0596463    total: 24.9s  remaining: 20.8s
545: learn: 0.0595837    total: 25s    remaining: 20.8s
546: learn: 0.0595090    total: 25s    remaining: 20.7s
547: learn: 0.0593812    total: 25s    remaining: 20.6s
548: learn: 0.0593747    total: 25s    remaining: 20.6s
549: learn: 0.0593441    total: 25.1s  remaining: 20.5s
550: learn: 0.0592946    total: 25.1s  remaining: 20.4s
551: learn: 0.0591821    total: 25.1s  remaining: 20.4s
552: learn: 0.0590922    total: 25.1s  remaining: 20.3s
553: learn: 0.0590216    total: 25.1s  remaining: 20.2s
554: learn: 0.0589590    total: 25.1s  remaining: 20.2s
555: learn: 0.0588701    total: 25.2s  remaining: 20.1s
556: learn: 0.0587868    total: 25.2s  remaining: 20.1s
557: learn: 0.0587835    total: 25.3s  remaining: 20s
558: learn: 0.0587212    total: 25.3s  remaining: 19.9s
559: learn: 0.0585992    total: 25.3s  remaining: 19.9s
560: learn: 0.0585575    total: 25.3s  remaining: 19.8s
561: learn: 0.0585533    total: 25.3s  remaining: 19.7s
562: learn: 0.0584736    total: 25.4s  remaining: 19.7s
563: learn: 0.0584029    total: 25.4s  remaining: 19.6s
564: learn: 0.0583084    total: 25.4s  remaining: 19.6s
565: learn: 0.0582578    total: 25.5s  remaining: 19.5s
566: learn: 0.0582072    total: 25.5s  remaining: 19.5s
567: learn: 0.0581074    total: 25.5s  remaining: 19.4s
568: learn: 0.0580186    total: 25.6s  remaining: 19.4s
569: learn: 0.0579271    total: 25.6s  remaining: 19.3s
570: learn: 0.0578743    total: 25.6s  remaining: 19.3s
571: learn: 0.0577946    total: 25.7s  remaining: 19.2s
572: learn: 0.0576857    total: 25.7s  remaining: 19.2s
573: learn: 0.0575884    total: 25.7s  remaining: 19.1s
574: learn: 0.0575732    total: 25.8s  remaining: 19.1s
575: learn: 0.0574970    total: 25.8s  remaining: 19s
576: learn: 0.0574243    total: 25.9s  remaining: 19s
577: learn: 0.0573714    total: 25.9s  remaining: 18.9s
578: learn: 0.0572631    total: 25.9s  remaining: 18.9s
579: learn: 0.0571768    total: 26s    remaining: 18.8s
580: learn: 0.0570862    total: 26s    remaining: 18.8s
581: learn: 0.0570405    total: 26s    remaining: 18.7s
582: learn: 0.0569839    total: 26.1s  remaining: 18.6s
583: learn: 0.0569186    total: 26.1s  remaining: 18.6s
584: learn: 0.0568522    total: 26.2s  remaining: 18.6s
585: learn: 0.0567899    total: 26.2s  remaining: 18.5s
586: learn: 0.0567312    total: 26.2s  remaining: 18.4s
587: learn: 0.0566317    total: 26.3s  remaining: 18.4s
588: learn: 0.0565204    total: 26.3s  remaining: 18.4s
589: learn: 0.0564654    total: 26.4s  remaining: 18.4s
590: learn: 0.0563622    total: 26.4s  remaining: 18.3s
591: learn: 0.0562680    total: 26.5s  remaining: 18.3s
592: learn: 0.0562522    total: 26.6s  remaining: 18.2s
593: learn: 0.0562153    total: 26.6s  remaining: 18.2s
594: learn: 0.0561369    total: 26.6s  remaining: 18.1s
595: learn: 0.0560550    total: 26.7s  remaining: 18.1s
596: learn: 0.0559936    total: 26.8s  remaining: 18.1s
597: learn: 0.0559713    total: 26.8s  remaining: 18s

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598: learn: 0.0558933    total: 26.8s  remaining: 17.9s
599: learn: 0.0558265    total: 26.8s  remaining: 17.9s
600: learn: 0.0557498    total: 26.9s  remaining: 17.9s
601: learn: 0.0556739    total: 26.9s  remaining: 17.8s
602: learn: 0.0555660    total: 26.9s  remaining: 17.7s
603: learn: 0.0555032    total: 27s    remaining: 17.7s
604: learn: 0.0554092    total: 27s    remaining: 17.6s
605: learn: 0.0553174    total: 27s    remaining: 17.6s
606: learn: 0.0552474    total: 27.1s  remaining: 17.5s
607: learn: 0.0551781    total: 27.1s  remaining: 17.5s
608: learn: 0.0550997    total: 27.1s  remaining: 17.4s
609: learn: 0.0550710    total: 27.2s  remaining: 17.4s
610: learn: 0.0549896    total: 27.2s  remaining: 17.3s
611: learn: 0.0548904    total: 27.3s  remaining: 17.3s
612: learn: 0.0548007    total: 27.3s  remaining: 17.2s
613: learn: 0.0547084    total: 27.4s  remaining: 17.2s
614: learn: 0.0546196    total: 27.5s  remaining: 17.2s
615: learn: 0.0545350    total: 27.5s  remaining: 17.1s
616: learn: 0.0544658    total: 27.6s  remaining: 17.1s
617: learn: 0.0544159    total: 27.6s  remaining: 17.1s
618: learn: 0.0543765    total: 27.6s  remaining: 17s
619: learn: 0.0543258    total: 27.7s  remaining: 17s
620: learn: 0.0542470    total: 27.8s  remaining: 17s
621: learn: 0.0541897    total: 27.8s  remaining: 16.9s
622: learn: 0.0541497    total: 27.9s  remaining: 16.9s
623: learn: 0.0541009    total: 28s    remaining: 16.9s
624: learn: 0.0540829    total: 28s    remaining: 16.8s
625: learn: 0.0540010    total: 28.1s  remaining: 16.8s
626: learn: 0.0539518    total: 28.1s  remaining: 16.7s
627: learn: 0.0538559    total: 28.2s  remaining: 16.7s
628: learn: 0.0537135    total: 28.3s  remaining: 16.7s
629: learn: 0.0536738    total: 28.4s  remaining: 16.7s
630: learn: 0.0535942    total: 28.5s  remaining: 16.7s
631: learn: 0.0535275    total: 28.5s  remaining: 16.6s
632: learn: 0.0534392    total: 28.6s  remaining: 16.6s
634: learn: 0.0486768    total: 25.6s  remaining: 14.7s
635: learn: 0.0485836    total: 25.7s  remaining: 14.7s
636: learn: 0.0484969    total: 25.7s  remaining: 14.6s
637: learn: 0.0484488    total: 25.7s  remaining: 14.6s
638: learn: 0.0484212    total: 25.8s  remaining: 14.5s
639: learn: 0.0483218    total: 25.8s  remaining: 14.5s
640: learn: 0.0482399    total: 25.8s  remaining: 14.5s
641: learn: 0.0481734    total: 25.9s  remaining: 14.4s
642: learn: 0.0480982    total: 25.9s  remaining: 14.4s
643: learn: 0.0480539    total: 25.9s  remaining: 14.3s
644: learn: 0.0479766    total: 26s    remaining: 14.3s
645: learn: 0.0479381    total: 26s    remaining: 14.2s
646: learn: 0.0478648    total: 26s    remaining: 14.2s
647: learn: 0.0477873    total: 26s    remaining: 14.1s
648: learn: 0.0476939    total: 26.2s  remaining: 14.2s
649: learn: 0.0475719    total: 26.3s  remaining: 14.2s
650: learn: 0.0475100    total: 26.4s  remaining: 14.1s
651: learn: 0.0474181    total: 26.4s  remaining: 14.1s
652: learn: 0.0473574    total: 26.4s  remaining: 14s
653: learn: 0.0472703    total: 26.5s  remaining: 14s
654: learn: 0.0471981    total: 26.6s  remaining: 14s
655: learn: 0.0471654    total: 26.6s  remaining: 14s
656: learn: 0.0471103    total: 26.6s  remaining: 13.9s
657: learn: 0.0470470    total: 26.7s  remaining: 13.9s
658: learn: 0.0469831    total: 26.8s  remaining: 13.9s
659: learn: 0.0469771    total: 26.8s  remaining: 13.8s
660: learn: 0.0469711    total: 26.8s  remaining: 13.8s
661: learn: 0.0469216    total: 26.9s  remaining: 13.7s
662: learn: 0.0468438    total: 26.9s  remaining: 13.7s

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663: learn: 0.0467741      total: 26.9s  remaining: 13.6s
664: learn: 0.0467085      total: 27s    remaining: 13.6s
665: learn: 0.0466069      total: 27s    remaining: 13.6s
666: learn: 0.0465391      total: 27.1s   remaining: 13.5s
667: learn: 0.0464885      total: 27.1s   remaining: 13.5s
668: learn: 0.0464307      total: 27.2s   remaining: 13.4s
669: learn: 0.0463610      total: 27.2s   remaining: 13.4s
670: learn: 0.0463190      total: 27.2s   remaining: 13.3s
671: learn: 0.0462708      total: 27.2s   remaining: 13.3s
672: learn: 0.0462653      total: 27.3s   remaining: 13.3s
673: learn: 0.0461780      total: 27.4s   remaining: 13.2s
674: learn: 0.0461511      total: 27.4s   remaining: 13.2s
675: learn: 0.0461131      total: 27.5s   remaining: 13.2s
676: learn: 0.0460814      total: 27.5s   remaining: 13.1s
677: learn: 0.0460532      total: 27.5s   remaining: 13.1s
678: learn: 0.0459841      total: 27.7s   remaining: 13.1s
679: learn: 0.0459087      total: 27.7s   remaining: 13.1s
680: learn: 0.0458159      total: 27.9s   remaining: 13.1s
681: learn: 0.0457388      total: 27.9s   remaining: 13s
682: learn: 0.0456629      total: 28s    remaining: 13s
683: learn: 0.0456171      total: 28s    remaining: 12.9s
684: learn: 0.0455781      total: 28.1s   remaining: 12.9s
685: learn: 0.0454706      total: 28.3s   remaining: 12.9s
686: learn: 0.0454078      total: 28.3s   remaining: 12.9s
687: learn: 0.0453368      total: 28.4s   remaining: 12.9s
688: learn: 0.0452947      total: 28.4s   remaining: 12.8s
689: learn: 0.0452550      total: 28.5s   remaining: 12.8s
690: learn: 0.0451477      total: 28.5s   remaining: 12.8s
691: learn: 0.0450748      total: 28.7s   remaining: 12.8s
692: learn: 0.0449969      total: 28.7s   remaining: 12.7s
693: learn: 0.0449171      total: 28.8s   remaining: 12.7s
694: learn: 0.0448497      total: 28.8s   remaining: 12.6s
695: learn: 0.0447997      total: 28.8s   remaining: 12.6s
696: learn: 0.0447416      total: 28.8s   remaining: 12.5s
697: learn: 0.0446825      total: 28.9s   remaining: 12.5s
698: learn: 0.0446437      total: 29s    remaining: 12.5s
699: learn: 0.0445837      total: 29s    remaining: 12.4s
700: learn: 0.0445232      total: 29.1s   remaining: 12.4s
701: learn: 0.0444491      total: 29.2s   remaining: 12.4s
702: learn: 0.0444230      total: 29.2s   remaining: 12.3s
703: learn: 0.0443518      total: 29.3s   remaining: 12.3s
704: learn: 0.0443107      total: 29.3s   remaining: 12.3s
705: learn: 0.0443027      total: 29.4s   remaining: 12.2s
706: learn: 0.0441909      total: 29.5s   remaining: 12.2s
707: learn: 0.0441851      total: 29.6s   remaining: 12.2s
708: learn: 0.0441438      total: 29.7s   remaining: 12.2s
709: learn: 0.0440861      total: 29.7s   remaining: 12.1s
710: learn: 0.0440105      total: 29.8s   remaining: 12.1s
711: learn: 0.0439694      total: 29.8s   remaining: 12s
712: learn: 0.0439271      total: 29.8s   remaining: 12s
713: learn: 0.0438587      total: 29.8s   remaining: 12s
714: learn: 0.0437865      total: 29.9s   remaining: 11.9s
715: learn: 0.0437154      total: 30.1s   remaining: 11.9s
716: learn: 0.0436546      total: 30.1s   remaining: 11.9s
717: learn: 0.0435986      total: 30.4s   remaining: 11.9s
718: learn: 0.0435324      total: 30.4s   remaining: 11.9s
719: learn: 0.0434805      total: 30.5s   remaining: 11.9s
720: learn: 0.0434299      total: 30.6s   remaining: 11.9s
721: learn: 0.0433761      total: 30.7s   remaining: 11.8s
722: learn: 0.0433171      total: 30.8s   remaining: 11.8s
723: learn: 0.0432217      total: 30.8s   remaining: 11.7s
724: learn: 0.0431549      total: 30.8s   remaining: 11.7s
725: learn: 0.0431184      total: 30.9s   remaining: 11.7s
726: learn: 0.0430513      total: 30.9s   remaining: 11.6s

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727:	learn: 0.0429914	total: 30.9s	remaining: 11.6s
728:	learn: 0.0429264	total: 31.1s	remaining: 11.6s
729:	learn: 0.0428584	total: 31.2s	remaining: 11.6s
730:	learn: 0.0427855	total: 31.3s	remaining: 11.5s
731:	learn: 0.0427595	total: 31.4s	remaining: 11.5s
732:	learn: 0.0427534	total: 31.5s	remaining: 11.5s
733:	learn: 0.0426992	total: 31.5s	remaining: 11.4s
734:	learn: 0.0426493	total: 31.6s	remaining: 11.4s
735:	learn: 0.0425856	total: 31.6s	remaining: 11.3s
736:	learn: 0.0425385	total: 31.7s	remaining: 11.3s
737:	learn: 0.0424729	total: 31.8s	remaining: 11.3s
738:	learn: 0.0424249	total: 31.8s	remaining: 11.2s
739:	learn: 0.0423425	total: 31.9s	remaining: 11.2s
740:	learn: 0.0422710	total: 32s	remaining: 11.2s
741:	learn: 0.0421869	total: 32s	remaining: 11.1s
742:	learn: 0.0421017	total: 32s	remaining: 11.1s
743:	learn: 0.0420146	total: 32.1s	remaining: 11.1s
744:	learn: 0.0419613	total: 32.2s	remaining: 11s
745:	learn: 0.0419246	total: 32.3s	remaining: 11s
746:	learn: 0.0418952	total: 32.4s	remaining: 11s
747:	learn: 0.0418892	total: 32.4s	remaining: 10.9s
748:	learn: 0.0418372	total: 32.5s	remaining: 10.9s
749:	learn: 0.0417725	total: 32.6s	remaining: 10.9s
750:	learn: 0.0416948	total: 32.6s	remaining: 10.8s
751:	learn: 0.0416193	total: 32.7s	remaining: 10.8s
752:	learn: 0.0415768	total: 32.8s	remaining: 10.8s
753:	learn: 0.0415246	total: 32.9s	remaining: 10.7s
754:	learn: 0.0414790	total: 32.9s	remaining: 10.7s
755:	learn: 0.0414330	total: 33.1s	remaining: 10.7s
756:	learn: 0.0413735	total: 33.2s	remaining: 10.6s
757:	learn: 0.0413093	total: 33.3s	remaining: 10.6s
758:	learn: 0.0412525	total: 33.4s	remaining: 10.6s
759:	learn: 0.0411985	total: 33.5s	remaining: 10.6s
760:	learn: 0.0411742	total: 33.5s	remaining: 10.5s
761:	learn: 0.0411106	total: 33.6s	remaining: 10.5s
762:	learn: 0.0410436	total: 33.6s	remaining: 10.4s
763:	learn: 0.0410141	total: 33.7s	remaining: 10.4s
764:	learn: 0.0409845	total: 33.7s	remaining: 10.4s
765:	learn: 0.0409675	total: 33.7s	remaining: 10.3s
766:	learn: 0.0409503	total: 33.8s	remaining: 10.3s
767:	learn: 0.0409124	total: 33.8s	remaining: 10.2s
768:	learn: 0.0408413	total: 33.9s	remaining: 10.2s
769:	learn: 0.0408146	total: 34s	remaining: 10.1s
770:	learn: 0.0407750	total: 34s	remaining: 10.1s
771:	learn: 0.0407106	total: 34.1s	remaining: 10.1s
772:	learn: 0.0406964	total: 34.1s	remaining: 10s
773:	learn: 0.0406580	total: 34.2s	remaining: 9.99s
774:	learn: 0.0406038	total: 34.3s	remaining: 9.95s
775:	learn: 0.0405271	total: 34.3s	remaining: 9.91s
776:	learn: 0.0404627	total: 34.5s	remaining: 9.89s
777:	learn: 0.0404258	total: 34.6s	remaining: 9.86s
778:	learn: 0.0403957	total: 34.7s	remaining: 9.84s
779:	learn: 0.0403787	total: 34.7s	remaining: 9.79s
780:	learn: 0.0403186	total: 34.8s	remaining: 9.76s
781:	learn: 0.0403078	total: 35s	remaining: 9.76s
782:	learn: 0.0402832	total: 35s	remaining: 9.7s
783:	learn: 0.0402790	total: 35.1s	remaining: 9.67s
784:	learn: 0.0402557	total: 35.1s	remaining: 9.62s
785:	learn: 0.0402252	total: 35.3s	remaining: 9.61s
786:	learn: 0.0401961	total: 35.3s	remaining: 9.57s
787:	learn: 0.0401570	total: 35.4s	remaining: 9.53s
788:	learn: 0.0401122	total: 35.6s	remaining: 9.51s
789:	learn: 0.0401055	total: 35.6s	remaining: 9.46s
790:	learn: 0.0400361	total: 35.6s	remaining: 9.42s

791:	learn: 0.0400010	total: 35.7s	remaining: 9.38s
634:	learn: 0.0492196	total: 26.4s	remaining: 15.2s
635:	learn: 0.0491606	total: 26.5s	remaining: 15.1s
636:	learn: 0.0491175	total: 26.6s	remaining: 15.2s
637:	learn: 0.0490495	total: 26.6s	remaining: 15.1s
638:	learn: 0.0489877	total: 26.7s	remaining: 15.1s
639:	learn: 0.0489064	total: 26.7s	remaining: 15s
640:	learn: 0.0489010	total: 26.8s	remaining: 15s
641:	learn: 0.0488648	total: 26.8s	remaining: 15s
642:	learn: 0.0487885	total: 26.9s	remaining: 14.9s
643:	learn: 0.0487797	total: 26.9s	remaining: 14.9s
644:	learn: 0.0487458	total: 27s	remaining: 14.8s
645:	learn: 0.0487384	total: 27s	remaining: 14.8s
646:	learn: 0.0486965	total: 27s	remaining: 14.7s
647:	learn: 0.0486475	total: 27.1s	remaining: 14.7s
648:	learn: 0.0486308	total: 27.2s	remaining: 14.7s
649:	learn: 0.0485765	total: 27.2s	remaining: 14.7s
650:	learn: 0.0485336	total: 27.3s	remaining: 14.6s
651:	learn: 0.0484589	total: 27.4s	remaining: 14.6s
652:	learn: 0.0483832	total: 27.5s	remaining: 14.6s
653:	learn: 0.0483783	total: 27.5s	remaining: 14.6s
654:	learn: 0.0483341	total: 27.6s	remaining: 14.5s
655:	learn: 0.0482494	total: 27.6s	remaining: 14.5s
656:	learn: 0.0482445	total: 27.7s	remaining: 14.5s
657:	learn: 0.0481646	total: 27.8s	remaining: 14.4s
658:	learn: 0.0481378	total: 27.9s	remaining: 14.4s
659:	learn: 0.0480888	total: 27.9s	remaining: 14.4s
660:	learn: 0.0480116	total: 28s	remaining: 14.3s
661:	learn: 0.0479378	total: 28s	remaining: 14.3s
662:	learn: 0.0478706	total: 28s	remaining: 14.3s
663:	learn: 0.0477836	total: 28.1s	remaining: 14.2s
664:	learn: 0.0477108	total: 28.2s	remaining: 14.2s
665:	learn: 0.0476313	total: 28.2s	remaining: 14.1s
666:	learn: 0.0475675	total: 28.2s	remaining: 14.1s
667:	learn: 0.0475277	total: 28.2s	remaining: 14s
668:	learn: 0.0474637	total: 28.3s	remaining: 14s
669:	learn: 0.0473920	total: 28.3s	remaining: 14s
670:	learn: 0.0473079	total: 28.4s	remaining: 13.9s
671:	learn: 0.0472377	total: 28.4s	remaining: 13.9s
672:	learn: 0.0471390	total: 28.4s	remaining: 13.8s
673:	learn: 0.0471321	total: 28.5s	remaining: 13.8s
674:	learn: 0.0470810	total: 28.7s	remaining: 13.8s
675:	learn: 0.0470050	total: 28.7s	remaining: 13.8s
676:	learn: 0.0469339	total: 28.7s	remaining: 13.7s
677:	learn: 0.0468867	total: 28.7s	remaining: 13.6s
678:	learn: 0.0468123	total: 28.8s	remaining: 13.6s
679:	learn: 0.0467657	total: 28.9s	remaining: 13.6s
680:	learn: 0.0467007	total: 28.9s	remaining: 13.5s
681:	learn: 0.0466731	total: 29s	remaining: 13.5s
682:	learn: 0.0466218	total: 29s	remaining: 13.5s
683:	learn: 0.0465723	total: 29s	remaining: 13.4s
684:	learn: 0.0464992	total: 29.1s	remaining: 13.4s
685:	learn: 0.0464427	total: 29.3s	remaining: 13.4s
686:	learn: 0.0463809	total: 29.4s	remaining: 13.4s
687:	learn: 0.0463166	total: 29.5s	remaining: 13.4s
688:	learn: 0.0462506	total: 29.5s	remaining: 13.3s
689:	learn: 0.0461797	total: 29.6s	remaining: 13.3s
690:	learn: 0.0461208	total: 29.6s	remaining: 13.3s
691:	learn: 0.0460359	total: 29.7s	remaining: 13.2s
692:	learn: 0.0459756	total: 29.8s	remaining: 13.2s
693:	learn: 0.0459101	total: 29.8s	remaining: 13.1s
694:	learn: 0.0458452	total: 29.9s	remaining: 13.1s
695:	learn: 0.0458239	total: 29.9s	remaining: 13.1s
696:	learn: 0.0457791	total: 30s	remaining: 13s

697:	learn: 0.0456895	total: 30s	remaining: 13s
698:	learn: 0.0456382	total: 30s	remaining: 12.9s
699:	learn: 0.0456301	total: 30.1s	remaining: 12.9s
700:	learn: 0.0456245	total: 30.1s	remaining: 12.8s
701:	learn: 0.0456197	total: 30.1s	remaining: 12.8s
702:	learn: 0.0455610	total: 30.1s	remaining: 12.7s
703:	learn: 0.0455210	total: 30.1s	remaining: 12.7s
704:	learn: 0.0454474	total: 30.2s	remaining: 12.6s
705:	learn: 0.0453718	total: 30.2s	remaining: 12.6s
706:	learn: 0.0453145	total: 30.3s	remaining: 12.6s
707:	learn: 0.0452460	total: 30.4s	remaining: 12.5s
708:	learn: 0.0452093	total: 30.4s	remaining: 12.5s
709:	learn: 0.0451367	total: 30.4s	remaining: 12.4s
710:	learn: 0.0450679	total: 30.5s	remaining: 12.4s
711:	learn: 0.0450066	total: 30.6s	remaining: 12.4s
712:	learn: 0.0449706	total: 30.6s	remaining: 12.3s
713:	learn: 0.0449263	total: 30.7s	remaining: 12.3s
714:	learn: 0.0448709	total: 30.7s	remaining: 12.2s
715:	learn: 0.0447875	total: 30.7s	remaining: 12.2s
716:	learn: 0.0447413	total: 30.8s	remaining: 12.2s
717:	learn: 0.0446811	total: 30.9s	remaining: 12.1s
718:	learn: 0.0446252	total: 30.9s	remaining: 12.1s
719:	learn: 0.0445662	total: 30.9s	remaining: 12s
720:	learn: 0.0445102	total: 31s	remaining: 12s
721:	learn: 0.0444493	total: 31.1s	remaining: 12s
722:	learn: 0.0444447	total: 31.2s	remaining: 11.9s
723:	learn: 0.0443677	total: 31.3s	remaining: 11.9s
724:	learn: 0.0442910	total: 31.4s	remaining: 11.9s
725:	learn: 0.0442574	total: 31.4s	remaining: 11.9s
726:	learn: 0.0442010	total: 31.5s	remaining: 11.8s
727:	learn: 0.0441439	total: 31.6s	remaining: 11.8s
728:	learn: 0.0441054	total: 31.6s	remaining: 11.8s
729:	learn: 0.0440540	total: 31.7s	remaining: 11.7s
730:	learn: 0.0439765	total: 31.7s	remaining: 11.7s
731:	learn: 0.0439360	total: 31.7s	remaining: 11.6s
732:	learn: 0.0438836	total: 31.8s	remaining: 11.6s
733:	learn: 0.0438531	total: 31.8s	remaining: 11.5s
734:	learn: 0.0438105	total: 31.9s	remaining: 11.5s
735:	learn: 0.0437336	total: 32s	remaining: 11.5s
736:	learn: 0.0436734	total: 32s	remaining: 11.4s
737:	learn: 0.0435814	total: 32.2s	remaining: 11.4s
738:	learn: 0.0435330	total: 32.3s	remaining: 11.4s
739:	learn: 0.0434752	total: 32.4s	remaining: 11.4s
740:	learn: 0.0434110	total: 32.4s	remaining: 11.3s
741:	learn: 0.0433889	total: 32.5s	remaining: 11.3s
742:	learn: 0.0433842	total: 32.5s	remaining: 11.2s
743:	learn: 0.0433410	total: 32.5s	remaining: 11.2s
744:	learn: 0.0433074	total: 32.6s	remaining: 11.2s
745:	learn: 0.0432847	total: 32.7s	remaining: 11.1s
746:	learn: 0.0432494	total: 32.9s	remaining: 11.2s
747:	learn: 0.0431766	total: 33s	remaining: 11.1s
748:	learn: 0.0431726	total: 33.2s	remaining: 11.1s
749:	learn: 0.0431176	total: 33.4s	remaining: 11.1s
750:	learn: 0.0430644	total: 33.4s	remaining: 11.1s
751:	learn: 0.0430077	total: 33.5s	remaining: 11s
752:	learn: 0.0429407	total: 33.6s	remaining: 11s
753:	learn: 0.0429282	total: 33.6s	remaining: 11s
754:	learn: 0.0428597	total: 33.6s	remaining: 10.9s
755:	learn: 0.0427993	total: 33.7s	remaining: 10.9s
756:	learn: 0.0427312	total: 33.8s	remaining: 10.8s
757:	learn: 0.0426879	total: 33.8s	remaining: 10.8s
758:	learn: 0.0426248	total: 33.9s	remaining: 10.8s
759:	learn: 0.0425744	total: 34s	remaining: 10.7s
760:	learn: 0.0424999	total: 34s	remaining: 10.7s

761:	learn: 0.0424411	total: 34s	remaining: 10.6s
762:	learn: 0.0423898	total: 34.1s	remaining: 10.6s
763:	learn: 0.0423193	total: 34.2s	remaining: 10.6s
764:	learn: 0.0422661	total: 34.3s	remaining: 10.5s
765:	learn: 0.0422181	total: 34.4s	remaining: 10.5s
766:	learn: 0.0421865	total: 34.5s	remaining: 10.5s
767:	learn: 0.0421398	total: 34.5s	remaining: 10.4s
768:	learn: 0.0421111	total: 34.6s	remaining: 10.4s
769:	learn: 0.0421066	total: 34.6s	remaining: 10.3s
770:	learn: 0.0420462	total: 34.7s	remaining: 10.3s
771:	learn: 0.0419647	total: 34.8s	remaining: 10.3s
772:	learn: 0.0419521	total: 34.8s	remaining: 10.2s
773:	learn: 0.0419314	total: 34.9s	remaining: 10.2s
774:	learn: 0.0418963	total: 35s	remaining: 10.2s
775:	learn: 0.0418334	total: 35.1s	remaining: 10.1s
776:	learn: 0.0417416	total: 35.1s	remaining: 10.1s
777:	learn: 0.0417073	total: 35.1s	remaining: 10s
778:	learn: 0.0416515	total: 35.3s	remaining: 10s
779:	learn: 0.0416294	total: 35.4s	remaining: 10s
780:	learn: 0.0415747	total: 35.5s	remaining: 9.94s
781:	learn: 0.0415201	total: 35.5s	remaining: 9.91s
782:	learn: 0.0414574	total: 35.6s	remaining: 9.87s
783:	learn: 0.0414538	total: 35.7s	remaining: 9.83s
784:	learn: 0.0413805	total: 35.7s	remaining: 9.79s
785:	learn: 0.0413425	total: 35.8s	remaining: 9.76s
786:	learn: 0.0413162	total: 35.9s	remaining: 9.71s
787:	learn: 0.0412567	total: 35.9s	remaining: 9.66s
788:	learn: 0.0412001	total: 36s	remaining: 9.63s
789:	learn: 0.0411411	total: 36s	remaining: 9.58s
790:	learn: 0.0410968	total: 36.1s	remaining: 9.54s
791:	learn: 0.0410643	total: 36.1s	remaining: 9.49s
792:	learn: 0.0409947	total: 36.4s	remaining: 9.5s
633:	learn: 0.0535171	total: 26.8s	remaining: 15.5s
634:	learn: 0.0534101	total: 26.9s	remaining: 15.5s
635:	learn: 0.0533580	total: 26.9s	remaining: 15.4s
636:	learn: 0.0533095	total: 27s	remaining: 15.4s
637:	learn: 0.0532743	total: 27.2s	remaining: 15.4s
638:	learn: 0.0531661	total: 27.2s	remaining: 15.4s
639:	learn: 0.0531110	total: 27.3s	remaining: 15.3s
640:	learn: 0.0530099	total: 27.3s	remaining: 15.3s
641:	learn: 0.0529156	total: 27.4s	remaining: 15.3s
642:	learn: 0.0528398	total: 27.5s	remaining: 15.3s
643:	learn: 0.0527458	total: 27.6s	remaining: 15.2s
644:	learn: 0.0526664	total: 27.6s	remaining: 15.2s
645:	learn: 0.0525446	total: 27.7s	remaining: 15.2s
646:	learn: 0.0525035	total: 27.7s	remaining: 15.1s
647:	learn: 0.0524708	total: 27.8s	remaining: 15.1s
648:	learn: 0.0523754	total: 27.9s	remaining: 15.1s
649:	learn: 0.0522931	total: 27.9s	remaining: 15s
650:	learn: 0.0522712	total: 28s	remaining: 15s
651:	learn: 0.0522674	total: 28s	remaining: 14.9s
652:	learn: 0.0522434	total: 28s	remaining: 14.9s
653:	learn: 0.0521753	total: 28.1s	remaining: 14.8s
654:	learn: 0.0521211	total: 28.1s	remaining: 14.8s
655:	learn: 0.0520975	total: 28.1s	remaining: 14.8s
656:	learn: 0.0520389	total: 28.2s	remaining: 14.7s
657:	learn: 0.0519890	total: 28.2s	remaining: 14.7s
658:	learn: 0.0519146	total: 28.3s	remaining: 14.6s
659:	learn: 0.0518213	total: 28.3s	remaining: 14.6s
660:	learn: 0.0518176	total: 28.3s	remaining: 14.5s
661:	learn: 0.0517790	total: 28.4s	remaining: 14.5s
662:	learn: 0.0517266	total: 28.4s	remaining: 14.4s
663:	learn: 0.0516387	total: 28.4s	remaining: 14.4s
664:	learn: 0.0515143	total: 28.4s	remaining: 14.3s

665:	learn: 0.0514441	total: 28.5s	remaining: 14.3s
666:	learn: 0.0513930	total: 28.6s	remaining: 14.3s
667:	learn: 0.0513036	total: 28.8s	remaining: 14.3s
668:	learn: 0.0512427	total: 28.8s	remaining: 14.3s
669:	learn: 0.0512077	total: 28.9s	remaining: 14.2s
670:	learn: 0.0511334	total: 29s	remaining: 14.2s
671:	learn: 0.0510516	total: 29s	remaining: 14.2s
672:	learn: 0.0510233	total: 29.3s	remaining: 14.2s
673:	learn: 0.0509958	total: 29.3s	remaining: 14.2s
674:	learn: 0.0509510	total: 29.3s	remaining: 14.1s
675:	learn: 0.0509208	total: 29.4s	remaining: 14.1s
676:	learn: 0.0508412	total: 29.5s	remaining: 14.1s
677:	learn: 0.0508130	total: 29.6s	remaining: 14s
678:	learn: 0.0508057	total: 29.6s	remaining: 14s
679:	learn: 0.0507063	total: 29.7s	remaining: 14s
680:	learn: 0.0506367	total: 29.8s	remaining: 13.9s
681:	learn: 0.0505257	total: 29.8s	remaining: 13.9s
682:	learn: 0.0504156	total: 29.8s	remaining: 13.8s
683:	learn: 0.0502903	total: 29.9s	remaining: 13.8s
684:	learn: 0.0502161	total: 29.9s	remaining: 13.8s
685:	learn: 0.0501342	total: 29.9s	remaining: 13.7s
686:	learn: 0.0501021	total: 30s	remaining: 13.6s
687:	learn: 0.0500220	total: 30s	remaining: 13.6s
688:	learn: 0.0499751	total: 30.1s	remaining: 13.6s
689:	learn: 0.0499591	total: 30.1s	remaining: 13.5s
690:	learn: 0.0498690	total: 30.2s	remaining: 13.5s
691:	learn: 0.0498304	total: 30.2s	remaining: 13.4s
692:	learn: 0.0497628	total: 30.5s	remaining: 13.5s
693:	learn: 0.0497071	total: 30.5s	remaining: 13.5s
694:	learn: 0.0496199	total: 30.6s	remaining: 13.4s
695:	learn: 0.0495489	total: 30.8s	remaining: 13.4s
696:	learn: 0.0494983	total: 30.8s	remaining: 13.4s
697:	learn: 0.0494500	total: 30.9s	remaining: 13.3s
698:	learn: 0.0493820	total: 30.9s	remaining: 13.3s
699:	learn: 0.0493404	total: 30.9s	remaining: 13.3s
700:	learn: 0.0492478	total: 31.1s	remaining: 13.3s
701:	learn: 0.0491999	total: 31.2s	remaining: 13.2s
702:	learn: 0.0491688	total: 31.3s	remaining: 13.2s
703:	learn: 0.0491444	total: 31.3s	remaining: 13.2s
704:	learn: 0.0490412	total: 31.5s	remaining: 13.2s
705:	learn: 0.0490107	total: 31.6s	remaining: 13.2s
706:	learn: 0.0489503	total: 31.6s	remaining: 13.1s
707:	learn: 0.0489191	total: 31.7s	remaining: 13.1s
708:	learn: 0.0488600	total: 31.8s	remaining: 13s
709:	learn: 0.0487974	total: 31.9s	remaining: 13s
710:	learn: 0.0487770	total: 31.9s	remaining: 13s
711:	learn: 0.0487167	total: 32.1s	remaining: 13s
712:	learn: 0.0486527	total: 32.2s	remaining: 13s
713:	learn: 0.0485723	total: 32.3s	remaining: 12.9s
714:	learn: 0.0485408	total: 32.4s	remaining: 12.9s
715:	learn: 0.0485118	total: 32.4s	remaining: 12.9s
716:	learn: 0.0484843	total: 32.5s	remaining: 12.8s
717:	learn: 0.0484391	total: 32.6s	remaining: 12.8s
718:	learn: 0.0483768	total: 32.7s	remaining: 12.8s
719:	learn: 0.0483435	total: 32.7s	remaining: 12.7s
720:	learn: 0.0483060	total: 32.8s	remaining: 12.7s
721:	learn: 0.0482273	total: 33s	remaining: 12.7s
722:	learn: 0.0481606	total: 33.1s	remaining: 12.7s
723:	learn: 0.0480844	total: 33.2s	remaining: 12.6s
724:	learn: 0.0480501	total: 33.3s	remaining: 12.6s
725:	learn: 0.0479988	total: 33.4s	remaining: 12.6s
726:	learn: 0.0479138	total: 33.5s	remaining: 12.6s
727:	learn: 0.0478529	total: 33.6s	remaining: 12.6s
728:	learn: 0.0477659	total: 33.6s	remaining: 12.5s

729:	learn: 0.0477268	total: 33.7s	remaining: 12.5s
730:	learn: 0.0476984	total: 33.7s	remaining: 12.4s
731:	learn: 0.0476790	total: 33.8s	remaining: 12.4s
732:	learn: 0.0476503	total: 33.9s	remaining: 12.4s
733:	learn: 0.0476232	total: 34.1s	remaining: 12.3s
734:	learn: 0.0475399	total: 34.2s	remaining: 12.3s
735:	learn: 0.0474747	total: 34.3s	remaining: 12.3s
736:	learn: 0.0474294	total: 34.3s	remaining: 12.2s
737:	learn: 0.0473706	total: 34.4s	remaining: 12.2s
738:	learn: 0.0473424	total: 34.4s	remaining: 12.2s
739:	learn: 0.0472659	total: 34.4s	remaining: 12.1s
740:	learn: 0.0472246	total: 34.5s	remaining: 12.1s
741:	learn: 0.0471648	total: 34.5s	remaining: 12s
742:	learn: 0.0470772	total: 34.6s	remaining: 12s
743:	learn: 0.0470237	total: 34.6s	remaining: 11.9s
744:	learn: 0.0469927	total: 34.7s	remaining: 11.9s
745:	learn: 0.0469114	total: 34.7s	remaining: 11.8s
746:	learn: 0.0468891	total: 34.8s	remaining: 11.8s
747:	learn: 0.0468139	total: 34.8s	remaining: 11.7s
748:	learn: 0.0467734	total: 34.9s	remaining: 11.7s
749:	learn: 0.0467108	total: 34.9s	remaining: 11.6s
750:	learn: 0.0466522	total: 35s	remaining: 11.6s
751:	learn: 0.0465712	total: 35.1s	remaining: 11.6s
752:	learn: 0.0464889	total: 35.1s	remaining: 11.5s
753:	learn: 0.0464544	total: 35.2s	remaining: 11.5s
754:	learn: 0.0463762	total: 35.3s	remaining: 11.4s
755:	learn: 0.0463110	total: 35.3s	remaining: 11.4s
756:	learn: 0.0462544	total: 35.4s	remaining: 11.3s
757:	learn: 0.0462202	total: 35.4s	remaining: 11.3s
758:	learn: 0.0461947	total: 35.4s	remaining: 11.2s
759:	learn: 0.0461305	total: 35.5s	remaining: 11.2s
760:	learn: 0.0460851	total: 35.5s	remaining: 11.2s
761:	learn: 0.0460203	total: 35.5s	remaining: 11.1s
762:	learn: 0.0459349	total: 35.6s	remaining: 11.1s
763:	learn: 0.0458707	total: 35.6s	remaining: 11s
764:	learn: 0.0458681	total: 35.7s	remaining: 11s
765:	learn: 0.0458039	total: 35.7s	remaining: 10.9s
766:	learn: 0.0457843	total: 35.8s	remaining: 10.9s
767:	learn: 0.0456977	total: 35.9s	remaining: 10.8s
768:	learn: 0.0456337	total: 36s	remaining: 10.8s
769:	learn: 0.0455540	total: 36s	remaining: 10.8s
770:	learn: 0.0454768	total: 36.1s	remaining: 10.7s
771:	learn: 0.0454352	total: 36.2s	remaining: 10.7s
772:	learn: 0.0453854	total: 36.3s	remaining: 10.6s
773:	learn: 0.0453667	total: 36.3s	remaining: 10.6s
774:	learn: 0.0453191	total: 36.3s	remaining: 10.6s
775:	learn: 0.0452475	total: 36.4s	remaining: 10.5s
776:	learn: 0.0451664	total: 36.5s	remaining: 10.5s
777:	learn: 0.0451011	total: 36.5s	remaining: 10.4s
778:	learn: 0.0450660	total: 36.6s	remaining: 10.4s
779:	learn: 0.0450157	total: 36.7s	remaining: 10.3s
780:	learn: 0.0449595	total: 36.8s	remaining: 10.3s
781:	learn: 0.0449134	total: 36.9s	remaining: 10.3s
782:	learn: 0.0448608	total: 36.9s	remaining: 10.2s
783:	learn: 0.0447923	total: 37s	remaining: 10.2s
784:	learn: 0.0447638	total: 37.2s	remaining: 10.2s
785:	learn: 0.0447213	total: 37.3s	remaining: 10.2s
786:	learn: 0.0446966	total: 37.4s	remaining: 10.1s
787:	learn: 0.0446440	total: 37.5s	remaining: 10.1s
788:	learn: 0.0445533	total: 37.6s	remaining: 10s
789:	learn: 0.0444921	total: 37.6s	remaining: 10s
790:	learn: 0.0444720	total: 37.8s	remaining: 9.98s
633:	learn: 0.0533641	total: 28.6s	remaining: 16.5s
634:	learn: 0.0532959	total: 28.7s	remaining: 16.5s

635:	learn: 0.0532262	total: 28.7s	remaining: 16.5s
636:	learn: 0.0531749	total: 28.8s	remaining: 16.4s
637:	learn: 0.0531357	total: 28.9s	remaining: 16.4s
638:	learn: 0.0530358	total: 28.9s	remaining: 16.3s
639:	learn: 0.0530313	total: 28.9s	remaining: 16.3s
640:	learn: 0.0529638	total: 29s	remaining: 16.2s
641:	learn: 0.0529241	total: 29s	remaining: 16.2s
642:	learn: 0.0527910	total: 29.1s	remaining: 16.2s
643:	learn: 0.0527312	total: 29.2s	remaining: 16.1s
644:	learn: 0.0526860	total: 29.2s	remaining: 16.1s
645:	learn: 0.0526317	total: 29.3s	remaining: 16.1s
646:	learn: 0.0525569	total: 29.4s	remaining: 16s
647:	learn: 0.0524855	total: 29.4s	remaining: 16s
648:	learn: 0.0524769	total: 29.5s	remaining: 15.9s
649:	learn: 0.0524166	total: 29.5s	remaining: 15.9s
650:	learn: 0.0523428	total: 29.5s	remaining: 15.8s
651:	learn: 0.0522711	total: 29.6s	remaining: 15.8s
652:	learn: 0.0522331	total: 29.7s	remaining: 15.8s
653:	learn: 0.0521801	total: 29.8s	remaining: 15.8s
654:	learn: 0.0520999	total: 29.8s	remaining: 15.7s
655:	learn: 0.0520354	total: 29.9s	remaining: 15.7s
656:	learn: 0.0519475	total: 29.9s	remaining: 15.6s
657:	learn: 0.0518651	total: 30s	remaining: 15.6s
658:	learn: 0.0517757	total: 30s	remaining: 15.5s
659:	learn: 0.0517544	total: 30.1s	remaining: 15.5s
660:	learn: 0.0517019	total: 30.1s	remaining: 15.4s
661:	learn: 0.0516467	total: 30.1s	remaining: 15.4s
662:	learn: 0.0515899	total: 30.1s	remaining: 15.3s
663:	learn: 0.0515332	total: 30.1s	remaining: 15.2s
664:	learn: 0.0514724	total: 30.1s	remaining: 15.2s
665:	learn: 0.0514323	total: 30.2s	remaining: 15.2s
666:	learn: 0.0513423	total: 30.2s	remaining: 15.1s
667:	learn: 0.0512817	total: 30.3s	remaining: 15s
668:	learn: 0.0511729	total: 30.3s	remaining: 15s
669:	learn: 0.0511061	total: 30.4s	remaining: 15s
670:	learn: 0.0510524	total: 30.4s	remaining: 14.9s
671:	learn: 0.0510095	total: 30.5s	remaining: 14.9s
672:	learn: 0.0509883	total: 30.6s	remaining: 14.9s
673:	learn: 0.0509365	total: 30.7s	remaining: 14.8s
674:	learn: 0.0508939	total: 30.7s	remaining: 14.8s
675:	learn: 0.0508084	total: 30.8s	remaining: 14.8s
676:	learn: 0.0507435	total: 30.8s	remaining: 14.7s
677:	learn: 0.0506844	total: 30.8s	remaining: 14.6s
678:	learn: 0.0506394	total: 30.9s	remaining: 14.6s
679:	learn: 0.0505886	total: 30.9s	remaining: 14.5s
680:	learn: 0.0505293	total: 30.9s	remaining: 14.5s
681:	learn: 0.0504757	total: 31.1s	remaining: 14.5s
682:	learn: 0.0504457	total: 31.1s	remaining: 14.4s
683:	learn: 0.0504335	total: 31.2s	remaining: 14.4s
684:	learn: 0.0503503	total: 31.3s	remaining: 14.4s
685:	learn: 0.0502764	total: 31.3s	remaining: 14.3s
686:	learn: 0.0502238	total: 31.3s	remaining: 14.3s
687:	learn: 0.0501745	total: 31.3s	remaining: 14.2s
688:	learn: 0.0501002	total: 31.4s	remaining: 14.2s
689:	learn: 0.0500684	total: 31.5s	remaining: 14.1s
690:	learn: 0.0499792	total: 31.6s	remaining: 14.1s
691:	learn: 0.0499653	total: 31.6s	remaining: 14.1s
692:	learn: 0.0499008	total: 31.7s	remaining: 14s
693:	learn: 0.0498971	total: 31.7s	remaining: 14s
694:	learn: 0.0498695	total: 31.8s	remaining: 13.9s
695:	learn: 0.0498053	total: 31.8s	remaining: 13.9s
696:	learn: 0.0497345	total: 31.8s	remaining: 13.8s
697:	learn: 0.0497066	total: 31.9s	remaining: 13.8s
698:	learn: 0.0497026	total: 31.9s	remaining: 13.8s

699:	learn: 0.0496387	total: 32s	remaining: 13.7s
700:	learn: 0.0495907	total: 32s	remaining: 13.7s
701:	learn: 0.0494912	total: 32.1s	remaining: 13.6s
702:	learn: 0.0493990	total: 32.2s	remaining: 13.6s
703:	learn: 0.0493089	total: 32.2s	remaining: 13.5s
704:	learn: 0.0492396	total: 32.3s	remaining: 13.5s
705:	learn: 0.0491679	total: 32.3s	remaining: 13.5s
706:	learn: 0.0491199	total: 32.5s	remaining: 13.4s
707:	learn: 0.0491039	total: 32.5s	remaining: 13.4s
708:	learn: 0.0490735	total: 32.5s	remaining: 13.4s
709:	learn: 0.0490040	total: 32.6s	remaining: 13.3s
710:	learn: 0.0489509	total: 32.6s	remaining: 13.3s
711:	learn: 0.0489127	total: 32.8s	remaining: 13.3s
712:	learn: 0.0489045	total: 32.9s	remaining: 13.3s
713:	learn: 0.0488344	total: 33.1s	remaining: 13.2s
714:	learn: 0.0488029	total: 33.2s	remaining: 13.2s
715:	learn: 0.0487341	total: 33.2s	remaining: 13.2s
716:	learn: 0.0486345	total: 33.3s	remaining: 13.1s
717:	learn: 0.0486073	total: 33.3s	remaining: 13.1s
718:	learn: 0.0484869	total: 33.3s	remaining: 13s
719:	learn: 0.0484444	total: 33.3s	remaining: 13s
720:	learn: 0.0483960	total: 33.5s	remaining: 13s
721:	learn: 0.0483576	total: 33.6s	remaining: 12.9s
722:	learn: 0.0483004	total: 33.6s	remaining: 12.9s
723:	learn: 0.0482904	total: 33.6s	remaining: 12.8s
724:	learn: 0.0482382	total: 33.7s	remaining: 12.8s
725:	learn: 0.0481615	total: 33.7s	remaining: 12.7s
726:	learn: 0.0480924	total: 33.7s	remaining: 12.7s
727:	learn: 0.0480673	total: 33.8s	remaining: 12.6s
728:	learn: 0.0479778	total: 33.8s	remaining: 12.6s
729:	learn: 0.0478802	total: 33.9s	remaining: 12.6s
730:	learn: 0.0478272	total: 34s	remaining: 12.5s
731:	learn: 0.0478224	total: 34.1s	remaining: 12.5s
732:	learn: 0.0478184	total: 34.1s	remaining: 12.4s
733:	learn: 0.0477967	total: 34.2s	remaining: 12.4s
734:	learn: 0.0477771	total: 34.3s	remaining: 12.4s
735:	learn: 0.0477541	total: 34.3s	remaining: 12.3s
736:	learn: 0.0476914	total: 34.3s	remaining: 12.3s
737:	learn: 0.0476893	total: 34.4s	remaining: 12.2s
738:	learn: 0.0476669	total: 34.5s	remaining: 12.2s
739:	learn: 0.0475928	total: 34.6s	remaining: 12.1s
740:	learn: 0.0475614	total: 34.6s	remaining: 12.1s
741:	learn: 0.0474911	total: 34.7s	remaining: 12s
742:	learn: 0.0474722	total: 34.7s	remaining: 12s
743:	learn: 0.0473944	total: 34.8s	remaining: 12s
744:	learn: 0.0472894	total: 34.8s	remaining: 11.9s
745:	learn: 0.0472560	total: 35s	remaining: 11.9s
746:	learn: 0.0472180	total: 35s	remaining: 11.9s
747:	learn: 0.0471380	total: 35s	remaining: 11.8s
748:	learn: 0.0470776	total: 35.1s	remaining: 11.8s
749:	learn: 0.0469830	total: 35.3s	remaining: 11.8s
750:	learn: 0.0468761	total: 35.4s	remaining: 11.8s
751:	learn: 0.0468074	total: 35.5s	remaining: 11.7s
752:	learn: 0.0467453	total: 35.6s	remaining: 11.7s
753:	learn: 0.0467144	total: 35.7s	remaining: 11.6s
754:	learn: 0.0466453	total: 35.8s	remaining: 11.6s
755:	learn: 0.0466240	total: 35.8s	remaining: 11.6s
756:	learn: 0.0465986	total: 35.9s	remaining: 11.5s
757:	learn: 0.0465382	total: 35.9s	remaining: 11.5s
758:	learn: 0.0465219	total: 36.1s	remaining: 11.4s
759:	learn: 0.0464539	total: 36.1s	remaining: 11.4s
760:	learn: 0.0464017	total: 36.2s	remaining: 11.4s
761:	learn: 0.0463578	total: 36.2s	remaining: 11.3s
762:	learn: 0.0463329	total: 36.3s	remaining: 11.3s

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763: learn: 0.0462798    total: 36.4s  remaining: 11.2s
764: learn: 0.0462184    total: 36.4s  remaining: 11.2s
765: learn: 0.0461660    total: 36.4s  remaining: 11.1s
766: learn: 0.0461238    total: 36.4s  remaining: 11.1s
767: learn: 0.0460493    total: 36.5s  remaining: 11s
768: learn: 0.0460241    total: 36.7s  remaining: 11s
769: learn: 0.0459575    total: 36.9s  remaining: 11s
770: learn: 0.0459337    total: 37.1s  remaining: 11s
771: learn: 0.0458524    total: 37.1s  remaining: 11s
772: learn: 0.0457900    total: 37.1s  remaining: 10.9s
773: learn: 0.0457097    total: 37.4s  remaining: 10.9s
774: learn: 0.0457071    total: 37.5s  remaining: 10.9s
775: learn: 0.0456357    total: 37.6s  remaining: 10.9s
776: learn: 0.0455821    total: 37.6s  remaining: 10.8s
777: learn: 0.0455595    total: 37.7s  remaining: 10.8s
778: learn: 0.0454849    total: 37.7s  remaining: 10.7s
779: learn: 0.0454211    total: 37.9s  remaining: 10.7s
780: learn: 0.0453529    total: 37.9s  remaining: 10.6s
781: learn: 0.0453162    total: 38s   remaining: 10.6s
782: learn: 0.0452969    total: 38.1s  remaining: 10.6s
783: learn: 0.0452340    total: 38.2s  remaining: 10.5s
784: learn: 0.0451694    total: 38.3s  remaining: 10.5s
785: learn: 0.0451093    total: 38.4s  remaining: 10.5s
786: learn: 0.0450375    total: 38.5s  remaining: 10.4s
787: learn: 0.0449459    total: 38.5s  remaining: 10.4s
788: learn: 0.0448784    total: 38.6s  remaining: 10.3s
789: learn: 0.0448748    total: 38.7s  remaining: 10.3s
790: learn: 0.0447831    total: 38.8s  remaining: 10.2s
632: learn: 0.0471198    total: 27.9s  remaining: 16.2s
633: learn: 0.0470406    total: 27.9s  remaining: 16.1s
634: learn: 0.0469817    total: 28s   remaining: 16.1s
635: learn: 0.0469342    total: 28.1s  remaining: 16.1s
636: learn: 0.0468592    total: 28.2s  remaining: 16.1s
637: learn: 0.0467621    total: 28.3s  remaining: 16s
638: learn: 0.0467193    total: 28.3s  remaining: 16s
639: learn: 0.0466665    total: 28.5s  remaining: 16s
640: learn: 0.0466257    total: 28.6s  remaining: 16s
641: learn: 0.0465476    total: 28.6s  remaining: 15.9s
642: learn: 0.0464685    total: 28.6s  remaining: 15.9s
643: learn: 0.0464123    total: 28.6s  remaining: 15.8s
644: learn: 0.0463583    total: 28.7s  remaining: 15.8s
645: learn: 0.0462870    total: 28.8s  remaining: 15.8s
646: learn: 0.0462146    total: 28.8s  remaining: 15.7s
647: learn: 0.0461610    total: 28.9s  remaining: 15.7s
648: learn: 0.0460910    total: 28.9s  remaining: 15.6s
649: learn: 0.0460406    total: 29s   remaining: 15.6s
650: learn: 0.0459835    total: 29s   remaining: 15.6s
651: learn: 0.0459019    total: 29s   remaining: 15.5s
652: learn: 0.0458543    total: 29.2s  remaining: 15.5s
653: learn: 0.0458135    total: 29.2s  remaining: 15.5s
654: learn: 0.0457221    total: 29.3s  remaining: 15.4s
655: learn: 0.0456453    total: 29.4s  remaining: 15.4s
656: learn: 0.0455671    total: 29.5s  remaining: 15.4s
657: learn: 0.0455478    total: 29.5s  remaining: 15.4s
658: learn: 0.0455052    total: 29.6s  remaining: 15.3s
659: learn: 0.0454309    total: 29.7s  remaining: 15.3s
660: learn: 0.0453521    total: 29.8s  remaining: 15.3s
661: learn: 0.0453135    total: 29.8s  remaining: 15.2s
662: learn: 0.0452485    total: 29.9s  remaining: 15.2s
663: learn: 0.0451984    total: 30s   remaining: 15.2s
664: learn: 0.0451331    total: 30s   remaining: 15.1s
665: learn: 0.0450970    total: 30s   remaining: 15.1s
666: learn: 0.0450173    total: 30.1s  remaining: 15s
667: learn: 0.0449360    total: 30.1s  remaining: 15s

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668: learn: 0.0449083    total: 30.1s  remaining: 14.9s
669: learn: 0.0448664    total: 30.2s  remaining: 14.9s
670: learn: 0.0448456    total: 30.5s  remaining: 14.9s
671: learn: 0.0448186    total: 30.5s  remaining: 14.9s
672: learn: 0.0448002    total: 30.6s  remaining: 14.9s
673: learn: 0.0447383    total: 30.7s  remaining: 14.8s
674: learn: 0.0446564    total: 30.8s  remaining: 14.8s
675: learn: 0.0446389    total: 30.8s  remaining: 14.8s
676: learn: 0.0445576    total: 30.9s  remaining: 14.7s
677: learn: 0.0445070    total: 30.9s  remaining: 14.7s
678: learn: 0.0444657    total: 31s    remaining: 14.6s
679: learn: 0.0444051    total: 31.1s  remaining: 14.6s
680: learn: 0.0443874    total: 31.1s  remaining: 14.6s
681: learn: 0.0443149    total: 31.2s  remaining: 14.5s
682: learn: 0.0442855    total: 31.2s  remaining: 14.5s
683: learn: 0.0442427    total: 31.2s  remaining: 14.4s
684: learn: 0.0441866    total: 31.3s  remaining: 14.4s
685: learn: 0.0441071    total: 31.5s  remaining: 14.4s
686: learn: 0.0440407    total: 31.5s  remaining: 14.4s
687: learn: 0.0439696    total: 31.6s  remaining: 14.3s
688: learn: 0.0439141    total: 31.6s  remaining: 14.3s
689: learn: 0.0438515    total: 31.7s  remaining: 14.2s
690: learn: 0.0438340    total: 31.7s  remaining: 14.2s
691: learn: 0.0437930    total: 31.7s  remaining: 14.1s
692: learn: 0.0437570    total: 31.8s  remaining: 14.1s
693: learn: 0.0437039    total: 31.9s  remaining: 14s
694: learn: 0.0436338    total: 31.9s  remaining: 14s
695: learn: 0.0435594    total: 32s    remaining: 14s
696: learn: 0.0435457    total: 32s    remaining: 13.9s
697: learn: 0.0434917    total: 32s    remaining: 13.9s
698: learn: 0.0434468    total: 32.1s  remaining: 13.8s
699: learn: 0.0434260    total: 32.2s  remaining: 13.8s
700: learn: 0.0433914    total: 32.2s  remaining: 13.7s
701: learn: 0.0433405    total: 32.3s  remaining: 13.7s
702: learn: 0.0433272    total: 32.3s  remaining: 13.6s
703: learn: 0.0432467    total: 32.3s  remaining: 13.6s
704: learn: 0.0431744    total: 32.4s  remaining: 13.5s
705: learn: 0.0431433    total: 32.4s  remaining: 13.5s
706: learn: 0.0430744    total: 32.5s  remaining: 13.5s
707: learn: 0.0429903    total: 32.6s  remaining: 13.4s
708: learn: 0.0429223    total: 32.7s  remaining: 13.4s
709: learn: 0.0429067    total: 32.8s  remaining: 13.4s
710: learn: 0.0428266    total: 32.8s  remaining: 13.3s
711: learn: 0.0427667    total: 32.9s  remaining: 13.3s
712: learn: 0.0426926    total: 32.9s  remaining: 13.2s
713: learn: 0.0426527    total: 33s    remaining: 13.2s
714: learn: 0.0425614    total: 33.1s  remaining: 13.2s
715: learn: 0.0425191    total: 33.2s  remaining: 13.2s
716: learn: 0.0424838    total: 33.3s  remaining: 13.2s
717: learn: 0.0424304    total: 33.4s  remaining: 13.1s
718: learn: 0.0424024    total: 33.5s  remaining: 13.1s
719: learn: 0.0423497    total: 33.5s  remaining: 13s
720: learn: 0.0423089    total: 33.5s  remaining: 13s
721: learn: 0.0422670    total: 33.6s  remaining: 12.9s
722: learn: 0.0422070    total: 33.7s  remaining: 12.9s
723: learn: 0.0421213    total: 33.7s  remaining: 12.9s
724: learn: 0.0420695    total: 33.8s  remaining: 12.8s
725: learn: 0.0420182    total: 33.8s  remaining: 12.8s
726: learn: 0.0420031    total: 33.9s  remaining: 12.7s
727: learn: 0.0419593    total: 33.9s  remaining: 12.7s
728: learn: 0.0419108    total: 34s    remaining: 12.6s
729: learn: 0.0418703    total: 34.1s  remaining: 12.6s
730: learn: 0.0418051    total: 34.2s  remaining: 12.6s
731: learn: 0.0417807    total: 34.3s  remaining: 12.6s

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732: learn: 0.0417465      total: 34.4s  remaining: 12.5s
733: learn: 0.0417307      total: 34.5s  remaining: 12.5s
734: learn: 0.0416635      total: 34.5s  remaining: 12.4s
735: learn: 0.0416308      total: 34.6s  remaining: 12.4s
736: learn: 0.0415869      total: 34.6s  remaining: 12.4s
737: learn: 0.0415324      total: 34.8s  remaining: 12.3s
738: learn: 0.0415283      total: 34.8s  remaining: 12.3s
739: learn: 0.0414946      total: 34.9s  remaining: 12.2s
740: learn: 0.0414294      total: 34.9s  remaining: 12.2s
741: learn: 0.0413917      total: 34.9s  remaining: 12.1s
742: learn: 0.0413584      total: 34.9s  remaining: 12.1s
743: learn: 0.0412967      total: 35.1s  remaining: 12.1s
744: learn: 0.0412477      total: 35.2s  remaining: 12s
745: learn: 0.0411789      total: 35.3s  remaining: 12s
746: learn: 0.0411310      total: 35.3s  remaining: 12s
747: learn: 0.0410991      total: 35.3s  remaining: 11.9s
748: learn: 0.0410183      total: 35.4s  remaining: 11.9s
749: learn: 0.0409593      total: 35.5s  remaining: 11.8s
750: learn: 0.0409155      total: 35.5s  remaining: 11.8s
751: learn: 0.0408506      total: 35.7s  remaining: 11.8s
752: learn: 0.0407813      total: 35.7s  remaining: 11.7s
753: learn: 0.0407593      total: 35.8s  remaining: 11.7s
754: learn: 0.0406919      total: 35.8s  remaining: 11.6s
755: learn: 0.0406647      total: 35.8s  remaining: 11.6s
756: learn: 0.0406083      total: 35.9s  remaining: 11.5s
757: learn: 0.0405921      total: 36s    remaining: 11.5s
758: learn: 0.0405485      total: 36.2s  remaining: 11.5s
759: learn: 0.0404783      total: 36.3s  remaining: 11.5s
760: learn: 0.0404327      total: 36.4s  remaining: 11.4s
761: learn: 0.0403763      total: 36.5s  remaining: 11.4s
762: learn: 0.0403110      total: 36.5s  remaining: 11.3s
763: learn: 0.0402898      total: 36.5s  remaining: 11.3s
764: learn: 0.0402483      total: 36.6s  remaining: 11.2s
765: learn: 0.0401752      total: 36.6s  remaining: 11.2s
766: learn: 0.0401155      total: 36.7s  remaining: 11.2s
767: learn: 0.0400633      total: 36.8s  remaining: 11.1s
768: learn: 0.0400485      total: 37s    remaining: 11.1s
769: learn: 0.0400173      total: 37s    remaining: 11.1s
770: learn: 0.0399481      total: 37.2s  remaining: 11s
771: learn: 0.0399241      total: 37.3s  remaining: 11s
772: learn: 0.0398758      total: 37.4s  remaining: 11s
773: learn: 0.0398657      total: 37.5s  remaining: 11s
774: learn: 0.0398114      total: 37.5s  remaining: 10.9s
775: learn: 0.0397906      total: 37.7s  remaining: 10.9s
776: learn: 0.0397290      total: 37.8s  remaining: 10.9s
777: learn: 0.0396800      total: 37.8s  remaining: 10.8s
778: learn: 0.0396435      total: 37.9s  remaining: 10.7s
779: learn: 0.0395630      total: 38s    remaining: 10.7s
780: learn: 0.0395154      total: 38s    remaining: 10.7s
781: learn: 0.0394371      total: 38.1s  remaining: 10.6s
782: learn: 0.0393859      total: 38.2s  remaining: 10.6s
783: learn: 0.0393441      total: 38.2s  remaining: 10.5s
784: learn: 0.0392752      total: 38.3s  remaining: 10.5s
785: learn: 0.0392363      total: 38.4s  remaining: 10.5s
786: learn: 0.0392143      total: 38.4s  remaining: 10.4s
787: learn: 0.0391956      total: 38.5s  remaining: 10.4s
788: learn: 0.0391757      total: 38.6s  remaining: 10.3s
789: learn: 0.0391044      total: 38.7s  remaining: 10.3s
793: learn: 0.0409202      total: 36.4s  remaining: 9.45s
794: learn: 0.0408825      total: 36.5s  remaining: 9.41s
795: learn: 0.0407904      total: 36.6s  remaining: 9.38s
796: learn: 0.0407224      total: 36.6s  remaining: 9.33s
797: learn: 0.0406827      total: 36.7s  remaining: 9.29s
798: learn: 0.0406346      total: 36.8s  remaining: 9.26s

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799:	learn: 0.0405888	total: 36.8s	remaining: 9.21s
800:	learn: 0.0405459	total: 36.9s	remaining: 9.16s
801:	learn: 0.0405048	total: 36.9s	remaining: 9.12s
802:	learn: 0.0404741	total: 37s	remaining: 9.07s
803:	learn: 0.0404254	total: 37s	remaining: 9.03s
804:	learn: 0.0403814	total: 37.1s	remaining: 8.99s
805:	learn: 0.0403426	total: 37.1s	remaining: 8.94s
806:	learn: 0.0402824	total: 37.2s	remaining: 8.9s
807:	learn: 0.0402473	total: 37.3s	remaining: 8.85s
808:	learn: 0.0402162	total: 37.3s	remaining: 8.81s
809:	learn: 0.0401495	total: 37.4s	remaining: 8.76s
810:	learn: 0.0401039	total: 37.5s	remaining: 8.73s
811:	learn: 0.0400501	total: 37.5s	remaining: 8.68s
812:	learn: 0.0399928	total: 37.6s	remaining: 8.64s
813:	learn: 0.0399521	total: 37.6s	remaining: 8.59s
814:	learn: 0.0399474	total: 37.7s	remaining: 8.55s
815:	learn: 0.0399118	total: 37.7s	remaining: 8.5s
816:	learn: 0.0399086	total: 37.7s	remaining: 8.44s
817:	learn: 0.0398368	total: 37.8s	remaining: 8.4s
818:	learn: 0.0397772	total: 37.9s	remaining: 8.38s
819:	learn: 0.0397160	total: 38s	remaining: 8.34s
820:	learn: 0.0396463	total: 38.1s	remaining: 8.31s
821:	learn: 0.0395961	total: 38.3s	remaining: 8.3s
822:	learn: 0.0395515	total: 38.6s	remaining: 8.29s
823:	learn: 0.0395110	total: 38.6s	remaining: 8.25s
824:	learn: 0.0394639	total: 38.7s	remaining: 8.22s
825:	learn: 0.0394280	total: 38.8s	remaining: 8.17s
826:	learn: 0.0393959	total: 38.9s	remaining: 8.13s
827:	learn: 0.0393488	total: 38.9s	remaining: 8.09s
828:	learn: 0.0393033	total: 38.9s	remaining: 8.03s
829:	learn: 0.0392592	total: 39s	remaining: 7.99s
830:	learn: 0.0392160	total: 39.1s	remaining: 7.95s
831:	learn: 0.0392127	total: 39.2s	remaining: 7.91s
832:	learn: 0.0391435	total: 39.2s	remaining: 7.87s
833:	learn: 0.0391353	total: 39.3s	remaining: 7.83s
834:	learn: 0.0390822	total: 39.4s	remaining: 7.79s
835:	learn: 0.0390518	total: 39.5s	remaining: 7.74s
836:	learn: 0.0390489	total: 39.5s	remaining: 7.7s
837:	learn: 0.0390084	total: 39.6s	remaining: 7.66s
838:	learn: 0.0389718	total: 39.7s	remaining: 7.61s
839:	learn: 0.0389573	total: 39.7s	remaining: 7.56s
840:	learn: 0.0389086	total: 39.7s	remaining: 7.51s
841:	learn: 0.0389048	total: 39.8s	remaining: 7.47s
842:	learn: 0.0388611	total: 39.9s	remaining: 7.43s
843:	learn: 0.0388350	total: 40s	remaining: 7.39s
844:	learn: 0.0387932	total: 40s	remaining: 7.34s
845:	learn: 0.0387412	total: 40.1s	remaining: 7.3s
846:	learn: 0.0386764	total: 40.1s	remaining: 7.25s
847:	learn: 0.0385971	total: 40.2s	remaining: 7.21s
848:	learn: 0.0385553	total: 40.3s	remaining: 7.17s
849:	learn: 0.0384969	total: 40.3s	remaining: 7.12s
850:	learn: 0.0384522	total: 40.4s	remaining: 7.07s
851:	learn: 0.0384082	total: 40.4s	remaining: 7.02s
852:	learn: 0.0383818	total: 40.5s	remaining: 6.99s
853:	learn: 0.0383282	total: 40.6s	remaining: 6.93s
854:	learn: 0.0382811	total: 40.6s	remaining: 6.88s
855:	learn: 0.0382283	total: 40.6s	remaining: 6.83s
856:	learn: 0.0381812	total: 40.6s	remaining: 6.78s
857:	learn: 0.0381335	total: 40.6s	remaining: 6.72s
858:	learn: 0.0381291	total: 40.6s	remaining: 6.67s
859:	learn: 0.0380947	total: 40.7s	remaining: 6.62s
860:	learn: 0.0380872	total: 40.7s	remaining: 6.57s
861:	learn: 0.0380413	total: 40.9s	remaining: 6.55s
862:	learn: 0.0380086	total: 40.9s	remaining: 6.5s

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863: learn: 0.0379548    total: 41.1s  remaining: 6.47s
864: learn: 0.0379523    total: 41.2s  remaining: 6.42s
865: learn: 0.0379168    total: 41.3s  remaining: 6.39s
866: learn: 0.0378983    total: 41.4s  remaining: 6.35s
867: learn: 0.0378295    total: 41.4s  remaining: 6.29s
868: learn: 0.0377729    total: 41.5s  remaining: 6.26s
869: learn: 0.0377151    total: 41.7s  remaining: 6.23s
870: learn: 0.0376676    total: 41.7s  remaining: 6.18s
871: learn: 0.0376009    total: 41.8s  remaining: 6.13s
872: learn: 0.0375401    total: 41.8s  remaining: 6.08s
873: learn: 0.0375073    total: 42s   remaining: 6.05s
874: learn: 0.0374533    total: 42s   remaining: 6s
875: learn: 0.0374064    total: 42s   remaining: 5.95s
876: learn: 0.0373466    total: 42.1s  remaining: 5.91s
877: learn: 0.0373130    total: 42.2s  remaining: 5.86s
878: learn: 0.0372527    total: 42.2s  remaining: 5.81s
879: learn: 0.0372095    total: 42.2s  remaining: 5.76s
880: learn: 0.0371634    total: 42.3s  remaining: 5.72s
881: learn: 0.0371068    total: 42.4s  remaining: 5.67s
882: learn: 0.0370669    total: 42.5s  remaining: 5.63s
883: learn: 0.0370201    total: 42.5s  remaining: 5.58s
884: learn: 0.0369799    total: 42.6s  remaining: 5.53s
885: learn: 0.0369771    total: 42.6s  remaining: 5.49s
886: learn: 0.0369350    total: 42.7s  remaining: 5.45s
887: learn: 0.0368989    total: 42.8s  remaining: 5.4s
888: learn: 0.0368533    total: 42.8s  remaining: 5.34s
889: learn: 0.0368203    total: 42.9s  remaining: 5.3s
890: learn: 0.0367685    total: 42.9s  remaining: 5.25s
891: learn: 0.0367197    total: 43s   remaining: 5.21s
892: learn: 0.0366807    total: 43.1s  remaining: 5.17s
893: learn: 0.0366447    total: 43.2s  remaining: 5.12s
894: learn: 0.0366089    total: 43.3s  remaining: 5.08s
895: learn: 0.0365502    total: 43.4s  remaining: 5.04s
896: learn: 0.0365171    total: 43.4s  remaining: 4.99s
897: learn: 0.0364459    total: 43.5s  remaining: 4.94s
898: learn: 0.0363730    total: 43.6s  remaining: 4.89s
899: learn: 0.0363334    total: 43.6s  remaining: 4.84s
900: learn: 0.0362780    total: 43.7s  remaining: 4.8s
901: learn: 0.0362360    total: 43.7s  remaining: 4.75s
902: learn: 0.0361713    total: 43.7s  remaining: 4.7s
903: learn: 0.0361282    total: 43.8s  remaining: 4.65s
904: learn: 0.0360988    total: 43.8s  remaining: 4.6s
905: learn: 0.0360400    total: 43.8s  remaining: 4.54s
906: learn: 0.0360091    total: 43.8s  remaining: 4.49s
907: learn: 0.0360065    total: 43.9s  remaining: 4.45s
908: learn: 0.0359298    total: 43.9s  remaining: 4.39s
909: learn: 0.0359160    total: 43.9s  remaining: 4.34s
910: learn: 0.0358788    total: 44s   remaining: 4.29s
911: learn: 0.0358544    total: 44s   remaining: 4.24s
912: learn: 0.0358335    total: 44s   remaining: 4.19s
913: learn: 0.0357773    total: 44s   remaining: 4.14s
914: learn: 0.0357234    total: 44.1s  remaining: 4.09s
915: learn: 0.0356710    total: 44.1s  remaining: 4.04s
916: learn: 0.0356323    total: 44.1s  remaining: 3.99s
917: learn: 0.0356002    total: 44.1s  remaining: 3.94s
918: learn: 0.0355476    total: 44.2s  remaining: 3.9s
919: learn: 0.0354984    total: 44.3s  remaining: 3.85s
920: learn: 0.0354453    total: 44.3s  remaining: 3.8s
921: learn: 0.0353896    total: 44.4s  remaining: 3.75s
922: learn: 0.0353702    total: 44.4s  remaining: 3.7s
923: learn: 0.0353402    total: 44.4s  remaining: 3.65s
924: learn: 0.0353002    total: 44.5s  remaining: 3.61s
925: learn: 0.0352544    total: 44.5s  remaining: 3.56s
926: learn: 0.0352290    total: 44.5s  remaining: 3.51s

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927: learn: 0.0351827    total: 44.6s  remaining: 3.46s
928: learn: 0.0351488    total: 44.6s  remaining: 3.41s
929: learn: 0.0351114    total: 44.6s  remaining: 3.36s
930: learn: 0.0350653    total: 44.7s  remaining: 3.31s
931: learn: 0.0350201    total: 44.8s  remaining: 3.27s
932: learn: 0.0349509    total: 44.8s  remaining: 3.21s
933: learn: 0.0349210    total: 44.8s  remaining: 3.17s
934: learn: 0.0348833    total: 44.9s  remaining: 3.12s
935: learn: 0.0348442    total: 44.9s  remaining: 3.07s
936: learn: 0.0348083    total: 44.9s  remaining: 3.02s
937: learn: 0.0347811    total: 44.9s  remaining: 2.97s
938: learn: 0.0347370    total: 45s    remaining: 2.92s
939: learn: 0.0347032    total: 45.1s  remaining: 2.88s
940: learn: 0.0346634    total: 45.2s  remaining: 2.83s
941: learn: 0.0346205    total: 45.3s  remaining: 2.79s
942: learn: 0.0345901    total: 45.3s  remaining: 2.73s
943: learn: 0.0345569    total: 45.3s  remaining: 2.69s
944: learn: 0.0345305    total: 45.5s  remaining: 2.65s
945: learn: 0.0344656    total: 45.5s  remaining: 2.6s
946: learn: 0.0344228    total: 45.6s  remaining: 2.55s
947: learn: 0.0343659    total: 45.7s  remaining: 2.5s
948: learn: 0.0343437    total: 45.7s  remaining: 2.46s
949: learn: 0.0343064    total: 45.8s  remaining: 2.41s
950: learn: 0.0342775    total: 45.8s  remaining: 2.36s
792: learn: 0.0399497    total: 35.8s  remaining: 9.34s
793: learn: 0.0398923    total: 35.8s  remaining: 9.3s
794: learn: 0.0398671    total: 35.8s  remaining: 9.24s
795: learn: 0.0398644    total: 35.9s  remaining: 9.19s
796: learn: 0.0397896    total: 35.9s  remaining: 9.14s
797: learn: 0.0397863    total: 35.9s  remaining: 9.09s
798: learn: 0.0397464    total: 36s    remaining: 9.06s
799: learn: 0.0397172    total: 36.1s  remaining: 9.03s
800: learn: 0.0396578    total: 36.3s  remaining: 9.01s
801: learn: 0.0395505    total: 36.4s  remaining: 8.98s
802: learn: 0.0395217    total: 36.4s  remaining: 8.93s
803: learn: 0.0394605    total: 36.5s  remaining: 8.91s
804: learn: 0.0394245    total: 36.6s  remaining: 8.87s
805: learn: 0.0393676    total: 36.7s  remaining: 8.83s
806: learn: 0.0393303    total: 36.7s  remaining: 8.79s
807: learn: 0.0393072    total: 36.8s  remaining: 8.74s
808: learn: 0.0392630    total: 36.8s  remaining: 8.69s
809: learn: 0.0392266    total: 37s    remaining: 8.68s
810: learn: 0.0391643    total: 37.1s  remaining: 8.64s
811: learn: 0.0391070    total: 37.1s  remaining: 8.6s
812: learn: 0.0390688    total: 37.2s  remaining: 8.56s
813: learn: 0.0390034    total: 37.3s  remaining: 8.52s
814: learn: 0.0389578    total: 37.3s  remaining: 8.48s
815: learn: 0.0388858    total: 37.5s  remaining: 8.45s
816: learn: 0.0388258    total: 37.5s  remaining: 8.41s
817: learn: 0.0387836    total: 37.6s  remaining: 8.36s
818: learn: 0.0387224    total: 37.6s  remaining: 8.32s
819: learn: 0.0386753    total: 37.7s  remaining: 8.28s
820: learn: 0.0386560    total: 37.8s  remaining: 8.24s
821: learn: 0.0385789    total: 37.8s  remaining: 8.19s
822: learn: 0.0385280    total: 37.9s  remaining: 8.15s
823: learn: 0.0385008    total: 38s    remaining: 8.12s
824: learn: 0.0384782    total: 38.1s  remaining: 8.09s
825: learn: 0.0384290    total: 38.2s  remaining: 8.05s
826: learn: 0.0383712    total: 38.3s  remaining: 8.01s
827: learn: 0.0383161    total: 38.3s  remaining: 7.96s
828: learn: 0.0382698    total: 38.4s  remaining: 7.92s
829: learn: 0.0382265    total: 38.4s  remaining: 7.87s
830: learn: 0.0381858    total: 38.6s  remaining: 7.85s
831: learn: 0.0381343    total: 38.6s  remaining: 7.8s

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832: learn: 0.0380644    total: 38.7s  remaining: 7.76s
833: learn: 0.0380191    total: 38.8s  remaining: 7.72s
834: learn: 0.0379854    total: 38.8s  remaining: 7.67s
835: learn: 0.0379298    total: 38.9s  remaining: 7.63s
836: learn: 0.0378707    total: 39s    remaining: 7.59s
837: learn: 0.0377635    total: 39s    remaining: 7.54s
838: learn: 0.0377419    total: 39.1s  remaining: 7.49s
839: learn: 0.0377068    total: 39.1s  remaining: 7.44s
840: learn: 0.0376608    total: 39.1s  remaining: 7.39s
841: learn: 0.0376251    total: 39.1s  remaining: 7.34s
842: learn: 0.0375796    total: 39.2s  remaining: 7.3s
843: learn: 0.0375237    total: 39.2s  remaining: 7.24s
844: learn: 0.0374495    total: 39.2s  remaining: 7.19s
845: learn: 0.0374242    total: 39.3s  remaining: 7.15s
846: learn: 0.0373744    total: 39.4s  remaining: 7.11s
847: learn: 0.0373570    total: 39.4s  remaining: 7.07s
848: learn: 0.0373111    total: 39.5s  remaining: 7.02s
849: learn: 0.0372655    total: 39.5s  remaining: 6.97s
850: learn: 0.0372402    total: 39.6s  remaining: 6.93s
851: learn: 0.0371835    total: 39.6s  remaining: 6.88s
852: learn: 0.0371165    total: 39.7s  remaining: 6.84s
853: learn: 0.0370872    total: 39.8s  remaining: 6.8s
854: learn: 0.0370332    total: 39.8s  remaining: 6.75s
855: learn: 0.0369748    total: 39.9s  remaining: 6.71s
856: learn: 0.0369310    total: 40s    remaining: 6.67s
857: learn: 0.0369029    total: 40s    remaining: 6.62s
858: learn: 0.0368264    total: 40.1s  remaining: 6.57s
859: learn: 0.0367975    total: 40.1s  remaining: 6.53s
860: learn: 0.0367887    total: 40.1s  remaining: 6.47s
861: learn: 0.0367483    total: 40.2s  remaining: 6.43s
862: learn: 0.0367222    total: 40.3s  remaining: 6.4s
863: learn: 0.0366860    total: 40.4s  remaining: 6.36s
864: learn: 0.0366514    total: 40.5s  remaining: 6.32s
865: learn: 0.0366028    total: 40.5s  remaining: 6.27s
866: learn: 0.0365620    total: 40.6s  remaining: 6.22s
867: learn: 0.0365424    total: 40.6s  remaining: 6.17s
868: learn: 0.0365174    total: 40.7s  remaining: 6.14s
869: learn: 0.0364937    total: 40.8s  remaining: 6.09s
870: learn: 0.0364265    total: 40.8s  remaining: 6.04s
871: learn: 0.0363931    total: 40.9s  remaining: 6s
872: learn: 0.0363483    total: 41s    remaining: 5.96s
873: learn: 0.0363262    total: 41s    remaining: 5.91s
874: learn: 0.0362765    total: 41.1s  remaining: 5.87s
875: learn: 0.0362553    total: 41.1s  remaining: 5.82s
876: learn: 0.0362333    total: 41.3s  remaining: 5.79s
877: learn: 0.0362033    total: 41.7s  remaining: 5.79s
878: learn: 0.0361858    total: 41.7s  remaining: 5.74s
879: learn: 0.0361334    total: 41.7s  remaining: 5.69s
880: learn: 0.0361092    total: 41.8s  remaining: 5.65s
881: learn: 0.0360817    total: 41.9s  remaining: 5.6s
882: learn: 0.0360372    total: 41.9s  remaining: 5.55s
883: learn: 0.0359799    total: 42s    remaining: 5.51s
884: learn: 0.0359547    total: 42.1s  remaining: 5.47s
885: learn: 0.0359004    total: 42.1s  remaining: 5.42s
886: learn: 0.0358575    total: 42.1s  remaining: 5.37s
887: learn: 0.0357790    total: 42.2s  remaining: 5.32s
888: learn: 0.0357449    total: 42.2s  remaining: 5.26s
889: learn: 0.0357278    total: 42.2s  remaining: 5.21s
890: learn: 0.0356884    total: 42.2s  remaining: 5.16s
891: learn: 0.0356601    total: 42.2s  remaining: 5.11s
892: learn: 0.0356289    total: 42.3s  remaining: 5.06s
893: learn: 0.0356011    total: 42.4s  remaining: 5.02s
894: learn: 0.0355698    total: 42.4s  remaining: 4.97s
895: learn: 0.0354958    total: 42.5s  remaining: 4.94s

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896:	learn: 0.0354400	total: 42.6s	remaining: 4.89s
897:	learn: 0.0354101	total: 42.7s	remaining: 4.85s
898:	learn: 0.0353627	total: 42.7s	remaining: 4.8s
899:	learn: 0.0352855	total: 42.9s	remaining: 4.76s
900:	learn: 0.0352562	total: 42.9s	remaining: 4.71s
901:	learn: 0.0352055	total: 43s	remaining: 4.67s
902:	learn: 0.0351543	total: 43.1s	remaining: 4.63s
903:	learn: 0.0350872	total: 43.2s	remaining: 4.59s
904:	learn: 0.0350623	total: 43.3s	remaining: 4.55s
905:	learn: 0.0350361	total: 43.3s	remaining: 4.5s
906:	learn: 0.0350121	total: 43.4s	remaining: 4.45s
907:	learn: 0.0349631	total: 43.4s	remaining: 4.4s
908:	learn: 0.0349087	total: 43.5s	remaining: 4.36s
909:	learn: 0.0348591	total: 43.6s	remaining: 4.31s
910:	learn: 0.0348059	total: 43.6s	remaining: 4.26s
911:	learn: 0.0347794	total: 43.7s	remaining: 4.21s
912:	learn: 0.0347751	total: 43.7s	remaining: 4.16s
913:	learn: 0.0347159	total: 43.7s	remaining: 4.11s
914:	learn: 0.0346792	total: 43.7s	remaining: 4.06s
915:	learn: 0.0346146	total: 43.8s	remaining: 4.01s
916:	learn: 0.0345710	total: 43.8s	remaining: 3.97s
917:	learn: 0.0345235	total: 43.9s	remaining: 3.92s
918:	learn: 0.0344726	total: 43.9s	remaining: 3.87s
919:	learn: 0.0344496	total: 43.9s	remaining: 3.82s
920:	learn: 0.0344004	total: 44s	remaining: 3.77s
921:	learn: 0.0343337	total: 44s	remaining: 3.73s
922:	learn: 0.0342672	total: 44.1s	remaining: 3.68s
923:	learn: 0.0342400	total: 44.1s	remaining: 3.63s
924:	learn: 0.0341709	total: 44.2s	remaining: 3.58s
925:	learn: 0.0341297	total: 44.2s	remaining: 3.54s
926:	learn: 0.0341024	total: 44.2s	remaining: 3.48s
927:	learn: 0.0340718	total: 44.3s	remaining: 3.44s
928:	learn: 0.0340328	total: 44.4s	remaining: 3.4s
929:	learn: 0.0340055	total: 44.5s	remaining: 3.35s
930:	learn: 0.0339804	total: 44.6s	remaining: 3.3s
931:	learn: 0.0339493	total: 44.6s	remaining: 3.25s
932:	learn: 0.0339101	total: 44.6s	remaining: 3.21s
933:	learn: 0.0338680	total: 44.7s	remaining: 3.16s
934:	learn: 0.0338310	total: 44.7s	remaining: 3.11s
935:	learn: 0.0337879	total: 44.8s	remaining: 3.06s
936:	learn: 0.0337639	total: 44.8s	remaining: 3.01s
937:	learn: 0.0337338	total: 44.9s	remaining: 2.97s
938:	learn: 0.0336857	total: 44.9s	remaining: 2.92s
939:	learn: 0.0336501	total: 45s	remaining: 2.87s
940:	learn: 0.0336298	total: 45.1s	remaining: 2.83s
941:	learn: 0.0335724	total: 45.1s	remaining: 2.78s
942:	learn: 0.0335499	total: 45.1s	remaining: 2.73s
943:	learn: 0.0335013	total: 45.2s	remaining: 2.68s
944:	learn: 0.0334676	total: 45.3s	remaining: 2.63s
945:	learn: 0.0334324	total: 45.4s	remaining: 2.59s
946:	learn: 0.0334284	total: 45.5s	remaining: 2.54s
947:	learn: 0.0333791	total: 45.5s	remaining: 2.5s
948:	learn: 0.0333317	total: 45.5s	remaining: 2.45s
949:	learn: 0.0332767	total: 45.7s	remaining: 2.4s
791:	learn: 0.0444149	total: 38s	remaining: 9.97s
792:	learn: 0.0443658	total: 38s	remaining: 9.93s
793:	learn: 0.0442947	total: 38.1s	remaining: 9.88s
794:	learn: 0.0442276	total: 38.2s	remaining: 9.84s
795:	learn: 0.0441697	total: 38.2s	remaining: 9.8s
796:	learn: 0.0441191	total: 38.3s	remaining: 9.75s
797:	learn: 0.0441009	total: 38.5s	remaining: 9.74s
798:	learn: 0.0440528	total: 38.7s	remaining: 9.73s
799:	learn: 0.0439649	total: 38.8s	remaining: 9.69s
800:	learn: 0.0439187	total: 38.8s	remaining: 9.64s

801:	learn: 0.0438753	total: 38.8s	remaining: 9.58s
802:	learn: 0.0438431	total: 38.9s	remaining: 9.54s
803:	learn: 0.0437924	total: 39s	remaining: 9.5s
804:	learn: 0.0437233	total: 39s	remaining: 9.46s
805:	learn: 0.0436658	total: 39.1s	remaining: 9.4s
806:	learn: 0.0436000	total: 39.1s	remaining: 9.36s
807:	learn: 0.0435868	total: 39.2s	remaining: 9.31s
808:	learn: 0.0435060	total: 39.3s	remaining: 9.27s
809:	learn: 0.0434474	total: 39.3s	remaining: 9.22s
810:	learn: 0.0433835	total: 39.4s	remaining: 9.18s
811:	learn: 0.0433554	total: 39.5s	remaining: 9.16s
812:	learn: 0.0433167	total: 39.6s	remaining: 9.11s
813:	learn: 0.0432553	total: 39.7s	remaining: 9.07s
814:	learn: 0.0431951	total: 39.8s	remaining: 9.04s
815:	learn: 0.0431575	total: 39.9s	remaining: 8.99s
816:	learn: 0.0431145	total: 39.9s	remaining: 8.94s
817:	learn: 0.0430837	total: 40s	remaining: 8.89s
818:	learn: 0.0430506	total: 40s	remaining: 8.84s
819:	learn: 0.0429954	total: 40s	remaining: 8.79s
820:	learn: 0.0429526	total: 40.1s	remaining: 8.74s
821:	learn: 0.0429035	total: 40.1s	remaining: 8.69s
822:	learn: 0.0428298	total: 40.1s	remaining: 8.63s
823:	learn: 0.0427815	total: 40.2s	remaining: 8.59s
824:	learn: 0.0427352	total: 40.3s	remaining: 8.54s
825:	learn: 0.0426905	total: 40.3s	remaining: 8.5s
826:	learn: 0.0426209	total: 40.4s	remaining: 8.44s
827:	learn: 0.0425755	total: 40.4s	remaining: 8.39s
828:	learn: 0.0425143	total: 40.4s	remaining: 8.34s
829:	learn: 0.0424250	total: 40.5s	remaining: 8.3s
830:	learn: 0.0423810	total: 40.6s	remaining: 8.26s
831:	learn: 0.0423351	total: 40.7s	remaining: 8.22s
832:	learn: 0.0422759	total: 40.8s	remaining: 8.17s
833:	learn: 0.0422540	total: 40.8s	remaining: 8.12s
834:	learn: 0.0422267	total: 40.9s	remaining: 8.08s
835:	learn: 0.0422049	total: 41s	remaining: 8.05s
836:	learn: 0.0421663	total: 41.2s	remaining: 8.02s
837:	learn: 0.0421134	total: 41.3s	remaining: 7.99s
838:	learn: 0.0420685	total: 41.6s	remaining: 7.98s
839:	learn: 0.0420206	total: 41.7s	remaining: 7.93s
840:	learn: 0.0419819	total: 41.8s	remaining: 7.89s
841:	learn: 0.0419785	total: 41.9s	remaining: 7.86s
842:	learn: 0.0419319	total: 41.9s	remaining: 7.81s
843:	learn: 0.0418859	total: 41.9s	remaining: 7.75s
844:	learn: 0.0418291	total: 42s	remaining: 7.7s
845:	learn: 0.0417658	total: 42s	remaining: 7.65s
846:	learn: 0.0417256	total: 42s	remaining: 7.59s
847:	learn: 0.0416869	total: 42.2s	remaining: 7.55s
848:	learn: 0.0416556	total: 42.2s	remaining: 7.5s
849:	learn: 0.0416162	total: 42.3s	remaining: 7.47s
850:	learn: 0.0415751	total: 42.4s	remaining: 7.42s
851:	learn: 0.0415021	total: 42.4s	remaining: 7.37s
852:	learn: 0.0414996	total: 42.5s	remaining: 7.33s
853:	learn: 0.0414445	total: 42.6s	remaining: 7.28s
854:	learn: 0.0414168	total: 42.7s	remaining: 7.25s
855:	learn: 0.0413991	total: 42.7s	remaining: 7.19s
856:	learn: 0.0413969	total: 42.8s	remaining: 7.14s
857:	learn: 0.0413841	total: 42.8s	remaining: 7.08s
858:	learn: 0.0413333	total: 42.8s	remaining: 7.03s
859:	learn: 0.0412873	total: 42.9s	remaining: 6.99s
860:	learn: 0.0412400	total: 43.1s	remaining: 6.95s
861:	learn: 0.0411916	total: 43.1s	remaining: 6.9s
862:	learn: 0.0411230	total: 43.1s	remaining: 6.85s
863:	learn: 0.0410526	total: 43.3s	remaining: 6.81s
864:	learn: 0.0410305	total: 43.4s	remaining: 6.78s

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865: learn: 0.0409739      total: 43.5s  remaining: 6.73s
866: learn: 0.0409511      total: 43.5s  remaining: 6.67s
867: learn: 0.0409081      total: 43.6s  remaining: 6.63s
868: learn: 0.0408338      total: 43.6s  remaining: 6.57s
869: learn: 0.0407846      total: 43.6s  remaining: 6.52s
870: learn: 0.0407428      total: 43.6s  remaining: 6.46s
871: learn: 0.0406828      total: 43.7s  remaining: 6.41s
872: learn: 0.0406343      total: 43.7s  remaining: 6.36s
873: learn: 0.0405727      total: 43.8s  remaining: 6.31s
874: learn: 0.0405544      total: 43.8s  remaining: 6.26s
875: learn: 0.0405174      total: 43.9s  remaining: 6.21s
876: learn: 0.0404649      total: 43.9s  remaining: 6.15s
877: learn: 0.0404553      total: 43.9s  remaining: 6.1s
878: learn: 0.0403976      total: 43.9s  remaining: 6.05s
879: learn: 0.0403284      total: 44s    remaining: 6s
880: learn: 0.0402612      total: 44.1s  remaining: 5.96s
881: learn: 0.0402363      total: 44.2s  remaining: 5.91s
882: learn: 0.0401577      total: 44.2s  remaining: 5.86s
883: learn: 0.0401249      total: 44.3s  remaining: 5.81s
884: learn: 0.0400700      total: 44.4s  remaining: 5.76s
885: learn: 0.0400419      total: 44.4s  remaining: 5.71s
886: learn: 0.0400205      total: 44.4s  remaining: 5.66s
887: learn: 0.0399870      total: 44.4s  remaining: 5.61s
888: learn: 0.0399523      total: 44.5s  remaining: 5.55s
889: learn: 0.0398596      total: 44.5s  remaining: 5.5s
890: learn: 0.0398233      total: 44.6s  remaining: 5.45s
891: learn: 0.0397964      total: 44.6s  remaining: 5.41s
892: learn: 0.0397580      total: 44.7s  remaining: 5.35s
893: learn: 0.0397195      total: 44.8s  remaining: 5.31s
894: learn: 0.0396492      total: 44.8s  remaining: 5.26s
895: learn: 0.0396470      total: 44.9s  remaining: 5.21s
896: learn: 0.0396081      total: 45s    remaining: 5.16s
897: learn: 0.0395781      total: 45.1s  remaining: 5.12s
898: learn: 0.0395034      total: 45.1s  remaining: 5.07s
899: learn: 0.0394558      total: 45.2s  remaining: 5.02s
900: learn: 0.0394028      total: 45.2s  remaining: 4.97s
901: learn: 0.0393561      total: 45.3s  remaining: 4.92s
902: learn: 0.0393039      total: 45.3s  remaining: 4.87s
903: learn: 0.0392642      total: 45.4s  remaining: 4.82s
904: learn: 0.0392023      total: 45.4s  remaining: 4.76s
905: learn: 0.0391461      total: 45.5s  remaining: 4.72s
906: learn: 0.0390851      total: 45.5s  remaining: 4.67s
907: learn: 0.0390628      total: 45.6s  remaining: 4.62s
908: learn: 0.0390510      total: 45.6s  remaining: 4.57s
909: learn: 0.0390267      total: 45.7s  remaining: 4.52s
910: learn: 0.0389650      total: 45.8s  remaining: 4.48s
911: learn: 0.0389095      total: 45.9s  remaining: 4.43s
912: learn: 0.0388565      total: 45.9s  remaining: 4.37s
913: learn: 0.0388052      total: 45.9s  remaining: 4.32s
914: learn: 0.0387257      total: 45.9s  remaining: 4.27s
915: learn: 0.0387239      total: 45.9s  remaining: 4.21s
916: learn: 0.0386694      total: 46s    remaining: 4.16s
917: learn: 0.0386677      total: 46s    remaining: 4.11s
918: learn: 0.0386447      total: 46s    remaining: 4.05s
919: learn: 0.0385790      total: 46s    remaining: 4s
920: learn: 0.0385764      total: 46.1s  remaining: 3.95s
921: learn: 0.0385191      total: 46.1s  remaining: 3.9s
922: learn: 0.0384355      total: 46.2s  remaining: 3.85s
923: learn: 0.0384242      total: 46.2s  remaining: 3.8s
924: learn: 0.0383901      total: 46.3s  remaining: 3.75s
925: learn: 0.0383810      total: 46.3s  remaining: 3.7s
926: learn: 0.0383554      total: 46.4s  remaining: 3.65s
927: learn: 0.0383047      total: 46.4s  remaining: 3.6s
928: learn: 0.0382912      total: 46.5s  remaining: 3.55s

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929: learn: 0.0382310    total: 46.5s  remaining: 3.5s
930: learn: 0.0381914    total: 46.5s  remaining: 3.45s
931: learn: 0.0381515    total: 46.6s  remaining: 3.4s
932: learn: 0.0381052    total: 46.6s  remaining: 3.34s
933: learn: 0.0380744    total: 46.6s  remaining: 3.29s
934: learn: 0.0380246    total: 46.6s  remaining: 3.24s
935: learn: 0.0379770    total: 46.7s  remaining: 3.19s
936: learn: 0.0379416    total: 46.7s  remaining: 3.14s
937: learn: 0.0379051    total: 46.8s  remaining: 3.09s
938: learn: 0.0378769    total: 46.8s  remaining: 3.04s
939: learn: 0.0378483    total: 46.9s  remaining: 2.99s
940: learn: 0.0378071    total: 46.9s  remaining: 2.94s
941: learn: 0.0377839    total: 47s    remaining: 2.89s
942: learn: 0.0377261    total: 47.1s  remaining: 2.84s
943: learn: 0.0377105    total: 47.1s  remaining: 2.79s
944: learn: 0.0376701    total: 47.1s  remaining: 2.74s
945: learn: 0.0376133    total: 47.1s  remaining: 2.69s
946: learn: 0.0375645    total: 47.2s  remaining: 2.64s
947: learn: 0.0375085    total: 47.2s  remaining: 2.59s
948: learn: 0.0374477    total: 47.2s  remaining: 2.54s
790: learn: 0.0390700    total: 38.7s  remaining: 10.2s
791: learn: 0.0390572    total: 38.8s  remaining: 10.2s
792: learn: 0.0389815    total: 39s    remaining: 10.2s
793: learn: 0.0389376    total: 39s    remaining: 10.1s
794: learn: 0.0388592    total: 39.1s  remaining: 10.1s
795: learn: 0.0388294    total: 39.1s  remaining: 10s
796: learn: 0.0387669    total: 39.2s  remaining: 9.99s
797: learn: 0.0387549    total: 39.3s  remaining: 9.94s
798: learn: 0.0386678    total: 39.4s  remaining: 9.9s
799: learn: 0.0386298    total: 39.4s  remaining: 9.85s
800: learn: 0.0385789    total: 39.5s  remaining: 9.81s
801: learn: 0.0385440    total: 39.6s  remaining: 9.79s
802: learn: 0.0385079    total: 39.7s  remaining: 9.73s
803: learn: 0.0384397    total: 39.8s  remaining: 9.7s
804: learn: 0.0383722    total: 39.8s  remaining: 9.64s
805: learn: 0.0383376    total: 39.9s  remaining: 9.6s
806: learn: 0.0383258    total: 40s    remaining: 9.56s
807: learn: 0.0382997    total: 40s    remaining: 9.5s
808: learn: 0.0382569    total: 40.1s  remaining: 9.46s
809: learn: 0.0382151    total: 40.1s  remaining: 9.41s
810: learn: 0.0381862    total: 40.2s  remaining: 9.36s
811: learn: 0.0381359    total: 40.2s  remaining: 9.3s
812: learn: 0.0380833    total: 40.2s  remaining: 9.25s
813: learn: 0.0380518    total: 40.3s  remaining: 9.2s
814: learn: 0.0379980    total: 40.3s  remaining: 9.14s
815: learn: 0.0379411    total: 40.3s  remaining: 9.09s
816: learn: 0.0379187    total: 40.4s  remaining: 9.04s
817: learn: 0.0378539    total: 40.4s  remaining: 8.99s
818: learn: 0.0378389    total: 40.5s  remaining: 8.94s
819: learn: 0.0377887    total: 40.5s  remaining: 8.9s
820: learn: 0.0377557    total: 40.6s  remaining: 8.85s
821: learn: 0.0377001    total: 40.6s  remaining: 8.8s
822: learn: 0.0376345    total: 40.7s  remaining: 8.75s
823: learn: 0.0375690    total: 40.7s  remaining: 8.7s
824: learn: 0.0375218    total: 40.9s  remaining: 8.68s
825: learn: 0.0374821    total: 41s    remaining: 8.64s
826: learn: 0.0374433    total: 41.1s  remaining: 8.61s
827: learn: 0.0374114    total: 41.2s  remaining: 8.55s
828: learn: 0.0374040    total: 41.2s  remaining: 8.51s
829: learn: 0.0373572    total: 41.3s  remaining: 8.45s
830: learn: 0.0373387    total: 41.3s  remaining: 8.4s
831: learn: 0.0372831    total: 41.3s  remaining: 8.35s
832: learn: 0.0372490    total: 41.4s  remaining: 8.31s
833: learn: 0.0372330    total: 41.5s  remaining: 8.27s

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834: learn: 0.0371828    total: 41.6s  remaining: 8.21s
835: learn: 0.0371301    total: 41.7s  remaining: 8.19s
836: learn: 0.0370987    total: 41.8s  remaining: 8.14s
837: learn: 0.0370514    total: 41.9s  remaining: 8.09s
838: learn: 0.0370093    total: 41.9s  remaining: 8.04s
839: learn: 0.0369421    total: 41.9s  remaining: 7.98s
840: learn: 0.0369394    total: 41.9s  remaining: 7.93s
841: learn: 0.0369285    total: 41.9s  remaining: 7.87s
842: learn: 0.0368885    total: 42s    remaining: 7.81s
843: learn: 0.0368657    total: 42s    remaining: 7.77s
844: learn: 0.0368253    total: 42.1s  remaining: 7.72s
845: learn: 0.0367926    total: 42.1s  remaining: 7.67s
846: learn: 0.0367113    total: 42.2s  remaining: 7.62s
847: learn: 0.0366710    total: 42.3s  remaining: 7.58s
848: learn: 0.0366610    total: 42.4s  remaining: 7.53s
849: learn: 0.0366239    total: 42.4s  remaining: 7.49s
850: learn: 0.0365724    total: 42.5s  remaining: 7.44s
851: learn: 0.0365692    total: 42.6s  remaining: 7.39s
852: learn: 0.0365396    total: 42.6s  remaining: 7.34s
853: learn: 0.0365059    total: 42.6s  remaining: 7.29s
854: learn: 0.0365029    total: 42.7s  remaining: 7.24s
855: learn: 0.0364448    total: 42.7s  remaining: 7.19s
856: learn: 0.0364316    total: 42.8s  remaining: 7.14s
857: learn: 0.0363529    total: 42.8s  remaining: 7.08s
858: learn: 0.0363350    total: 42.8s  remaining: 7.03s
859: learn: 0.0363028    total: 42.9s  remaining: 6.98s
860: learn: 0.0362693    total: 43s    remaining: 6.95s
861: learn: 0.0362201    total: 43s    remaining: 6.89s
862: learn: 0.0361793    total: 43.1s  remaining: 6.84s
863: learn: 0.0361335    total: 43.2s  remaining: 6.8s
864: learn: 0.0360848    total: 43.3s  remaining: 6.76s
865: learn: 0.0360400    total: 43.3s  remaining: 6.71s
866: learn: 0.0360260    total: 43.4s  remaining: 6.66s
867: learn: 0.0359584    total: 43.5s  remaining: 6.61s
868: learn: 0.0359430    total: 43.5s  remaining: 6.55s
869: learn: 0.0359041    total: 43.5s  remaining: 6.5s
870: learn: 0.0358958    total: 43.5s  remaining: 6.45s
871: learn: 0.0358411    total: 43.6s  remaining: 6.4s
872: learn: 0.0357836    total: 43.6s  remaining: 6.34s
873: learn: 0.0357441    total: 43.7s  remaining: 6.29s
874: learn: 0.0357125    total: 43.7s  remaining: 6.24s
875: learn: 0.0356629    total: 43.7s  remaining: 6.18s
876: learn: 0.0355995    total: 43.7s  remaining: 6.13s
877: learn: 0.0355575    total: 43.7s  remaining: 6.08s
878: learn: 0.0355007    total: 43.7s  remaining: 6.02s
879: learn: 0.0354738    total: 43.8s  remaining: 5.97s
880: learn: 0.0354464    total: 43.8s  remaining: 5.92s
881: learn: 0.0353954    total: 43.9s  remaining: 5.87s
882: learn: 0.0353904    total: 43.9s  remaining: 5.82s
883: learn: 0.0353567    total: 43.9s  remaining: 5.76s
884: learn: 0.0353260    total: 44s    remaining: 5.72s
885: learn: 0.0352908    total: 44.1s  remaining: 5.67s
886: learn: 0.0352595    total: 44.2s  remaining: 5.63s
887: learn: 0.0352316    total: 44.2s  remaining: 5.58s
888: learn: 0.0351686    total: 44.3s  remaining: 5.53s
889: learn: 0.0351164    total: 44.3s  remaining: 5.47s
890: learn: 0.0350585    total: 44.4s  remaining: 5.43s
891: learn: 0.0350043    total: 44.5s  remaining: 5.38s
892: learn: 0.0349907    total: 44.5s  remaining: 5.33s
893: learn: 0.0349625    total: 44.5s  remaining: 5.28s
894: learn: 0.0349519    total: 44.6s  remaining: 5.23s
895: learn: 0.0348934    total: 44.6s  remaining: 5.18s
896: learn: 0.0348537    total: 44.7s  remaining: 5.13s
897: learn: 0.0348058    total: 44.7s  remaining: 5.08s

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898: learn: 0.0347830    total: 44.7s  remaining: 5.03s
899: learn: 0.0347457    total: 44.8s  remaining: 4.98s
900: learn: 0.0346826    total: 44.8s  remaining: 4.92s
901: learn: 0.0346488    total: 44.9s  remaining: 4.88s
902: learn: 0.0346214    total: 44.9s  remaining: 4.83s
903: learn: 0.0345998    total: 45s    remaining: 4.78s
904: learn: 0.0345687    total: 45s    remaining: 4.73s
905: learn: 0.0345082    total: 45.1s  remaining: 4.68s
906: learn: 0.0344730    total: 45.1s  remaining: 4.63s
907: learn: 0.0344252    total: 45.2s  remaining: 4.58s
908: learn: 0.0343829    total: 45.3s  remaining: 4.53s
909: learn: 0.0343482    total: 45.4s  remaining: 4.49s
910: learn: 0.0343227    total: 45.5s  remaining: 4.44s
911: learn: 0.0342732    total: 45.5s  remaining: 4.39s
912: learn: 0.0342318    total: 45.5s  remaining: 4.34s
913: learn: 0.0342043    total: 45.6s  remaining: 4.29s
914: learn: 0.0341699    total: 45.6s  remaining: 4.23s
915: learn: 0.0341673    total: 45.6s  remaining: 4.18s
916: learn: 0.0341334    total: 45.7s  remaining: 4.14s
917: learn: 0.0340880    total: 45.7s  remaining: 4.08s
918: learn: 0.0340432    total: 45.8s  remaining: 4.04s
919: learn: 0.0339928    total: 45.8s  remaining: 3.99s
920: learn: 0.0339659    total: 45.9s  remaining: 3.94s
921: learn: 0.0339443    total: 45.9s  remaining: 3.89s
922: learn: 0.0339098    total: 46s    remaining: 3.84s
923: learn: 0.0338660    total: 46s    remaining: 3.79s
924: learn: 0.0338231    total: 46.1s  remaining: 3.74s
925: learn: 0.0337823    total: 46.2s  remaining: 3.69s
926: learn: 0.0337225    total: 46.3s  remaining: 3.64s
927: learn: 0.0336893    total: 46.3s  remaining: 3.59s
928: learn: 0.0336473    total: 46.3s  remaining: 3.54s
929: learn: 0.0335964    total: 46.4s  remaining: 3.49s
930: learn: 0.0335530    total: 46.4s  remaining: 3.44s
931: learn: 0.0335442    total: 46.4s  remaining: 3.39s
932: learn: 0.0335017    total: 46.5s  remaining: 3.33s
933: learn: 0.0334659    total: 46.5s  remaining: 3.29s
934: learn: 0.0334200    total: 46.6s  remaining: 3.24s
935: learn: 0.0333825    total: 46.6s  remaining: 3.19s
936: learn: 0.0333355    total: 46.6s  remaining: 3.13s
937: learn: 0.0333004    total: 46.6s  remaining: 3.08s
938: learn: 0.0332740    total: 46.8s  remaining: 3.04s
939: learn: 0.0332078    total: 46.8s  remaining: 2.99s
940: learn: 0.0331883    total: 46.9s  remaining: 2.94s
941: learn: 0.0331467    total: 46.9s  remaining: 2.89s
942: learn: 0.0331324    total: 47s    remaining: 2.84s
943: learn: 0.0331080    total: 47.1s  remaining: 2.79s
944: learn: 0.0330813    total: 47.1s  remaining: 2.74s
945: learn: 0.0330578    total: 47.2s  remaining: 2.69s
946: learn: 0.0330155    total: 47.2s  remaining: 2.64s
947: learn: 0.0329837    total: 47.2s  remaining: 2.59s
791: learn: 0.0447102    total: 38.9s  remaining: 10.2s
792: learn: 0.0446861    total: 39s    remaining: 10.2s
793: learn: 0.0446266    total: 39.1s  remaining: 10.1s
794: learn: 0.0445800    total: 39.1s  remaining: 10.1s
795: learn: 0.0445024    total: 39.2s  remaining: 10s
796: learn: 0.0444329    total: 39.2s  remaining: 9.99s
797: learn: 0.0444273    total: 39.3s  remaining: 9.95s
798: learn: 0.0443574    total: 39.3s  remaining: 9.9s
799: learn: 0.0443034    total: 39.4s  remaining: 9.84s
800: learn: 0.0442402    total: 39.4s  remaining: 9.79s
801: learn: 0.0442117    total: 39.6s  remaining: 9.77s
802: learn: 0.0441471    total: 39.7s  remaining: 9.74s
803: learn: 0.0440646    total: 39.7s  remaining: 9.69s
804: learn: 0.0440082    total: 39.9s  remaining: 9.66s

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805:	learn: 0.0439745	total: 39.9s	remaining: 9.61s
806:	learn: 0.0439150	total: 40s	remaining: 9.55s
807:	learn: 0.0438692	total: 40s	remaining: 9.51s
808:	learn: 0.0438338	total: 40.1s	remaining: 9.46s
809:	learn: 0.0438086	total: 40.1s	remaining: 9.42s
810:	learn: 0.0438050	total: 40.2s	remaining: 9.36s
811:	learn: 0.0437396	total: 40.2s	remaining: 9.31s
812:	learn: 0.0436865	total: 40.2s	remaining: 9.25s
813:	learn: 0.0436427	total: 40.3s	remaining: 9.21s
814:	learn: 0.0435847	total: 40.4s	remaining: 9.17s
815:	learn: 0.0435262	total: 40.4s	remaining: 9.11s
816:	learn: 0.0434569	total: 40.5s	remaining: 9.07s
817:	learn: 0.0434104	total: 40.5s	remaining: 9.02s
818:	learn: 0.0433521	total: 40.8s	remaining: 9.01s
819:	learn: 0.0432780	total: 40.8s	remaining: 8.96s
820:	learn: 0.0432457	total: 40.9s	remaining: 8.91s
821:	learn: 0.0432101	total: 40.9s	remaining: 8.86s
822:	learn: 0.0431759	total: 40.9s	remaining: 8.8s
823:	learn: 0.0431141	total: 41.1s	remaining: 8.78s
824:	learn: 0.0430271	total: 41.1s	remaining: 8.73s
825:	learn: 0.0430245	total: 41.2s	remaining: 8.68s
826:	learn: 0.0429719	total: 41.3s	remaining: 8.65s
827:	learn: 0.0428953	total: 41.6s	remaining: 8.63s
828:	learn: 0.0428919	total: 41.6s	remaining: 8.59s
829:	learn: 0.0428206	total: 42.2s	remaining: 8.65s
830:	learn: 0.0427745	total: 42.3s	remaining: 8.59s
831:	learn: 0.0426929	total: 42.3s	remaining: 8.54s
832:	learn: 0.0426161	total: 42.4s	remaining: 8.5s
833:	learn: 0.0426026	total: 42.4s	remaining: 8.44s
834:	learn: 0.0425475	total: 42.4s	remaining: 8.39s
835:	learn: 0.0425089	total: 42.5s	remaining: 8.33s
836:	learn: 0.0424351	total: 42.5s	remaining: 8.28s
837:	learn: 0.0423737	total: 42.8s	remaining: 8.27s
838:	learn: 0.0423313	total: 42.8s	remaining: 8.22s
839:	learn: 0.0422789	total: 42.9s	remaining: 8.18s
840:	learn: 0.0422243	total: 43s	remaining: 8.13s
841:	learn: 0.0421700	total: 43s	remaining: 8.07s
842:	learn: 0.0421406	total: 43.1s	remaining: 8.03s
843:	learn: 0.0420901	total: 43.1s	remaining: 7.97s
844:	learn: 0.0420440	total: 43.1s	remaining: 7.91s
845:	learn: 0.0419839	total: 43.2s	remaining: 7.86s
846:	learn: 0.0419485	total: 43.3s	remaining: 7.82s
847:	learn: 0.0418771	total: 43.4s	remaining: 7.77s
848:	learn: 0.0417994	total: 43.5s	remaining: 7.73s
849:	learn: 0.0417717	total: 43.6s	remaining: 7.69s
850:	learn: 0.0417504	total: 43.6s	remaining: 7.64s
851:	learn: 0.0417473	total: 43.7s	remaining: 7.59s
852:	learn: 0.0416751	total: 43.7s	remaining: 7.54s
853:	learn: 0.0416721	total: 43.8s	remaining: 7.49s
854:	learn: 0.0416483	total: 43.9s	remaining: 7.44s
855:	learn: 0.0415807	total: 43.9s	remaining: 7.39s
856:	learn: 0.0415756	total: 44s	remaining: 7.34s
857:	learn: 0.0415002	total: 44s	remaining: 7.28s
858:	learn: 0.0414672	total: 44s	remaining: 7.23s
859:	learn: 0.0414136	total: 44.1s	remaining: 7.17s
860:	learn: 0.0413765	total: 44.1s	remaining: 7.12s
861:	learn: 0.0413417	total: 44.1s	remaining: 7.07s
862:	learn: 0.0413109	total: 44.2s	remaining: 7.01s
863:	learn: 0.0412881	total: 44.2s	remaining: 6.95s
864:	learn: 0.0412327	total: 44.2s	remaining: 6.9s
865:	learn: 0.0411831	total: 44.3s	remaining: 6.85s
866:	learn: 0.0411209	total: 44.4s	remaining: 6.81s
867:	learn: 0.0410937	total: 44.5s	remaining: 6.76s
868:	learn: 0.0410499	total: 44.5s	remaining: 6.7s

		houses_kaggle_competition_refined
869:	learn: 0.0409955	total: 44.6s remaining: 6.66s
870:	learn: 0.0409673	total: 44.6s remaining: 6.6s
871:	learn: 0.0409451	total: 44.6s remaining: 6.55s
872:	learn: 0.0408838	total: 44.7s remaining: 6.5s
873:	learn: 0.0408032	total: 44.8s remaining: 6.45s
874:	learn: 0.0407537	total: 44.8s remaining: 6.4s
875:	learn: 0.0406735	total: 44.8s remaining: 6.35s
876:	learn: 0.0406217	total: 44.9s remaining: 6.29s
877:	learn: 0.0405834	total: 45s remaining: 6.25s
878:	learn: 0.0405342	total: 45s remaining: 6.19s
879:	learn: 0.0404779	total: 45s remaining: 6.14s
880:	learn: 0.0404761	total: 45.1s remaining: 6.09s
881:	learn: 0.0404304	total: 45.1s remaining: 6.04s
882:	learn: 0.0403817	total: 45.2s remaining: 5.99s
883:	learn: 0.0403176	total: 45.3s remaining: 5.94s
884:	learn: 0.0402834	total: 45.3s remaining: 5.89s
885:	learn: 0.0402364	total: 45.4s remaining: 5.84s
886:	learn: 0.0401897	total: 45.4s remaining: 5.78s
887:	learn: 0.0401194	total: 45.5s remaining: 5.73s
888:	learn: 0.0400844	total: 45.5s remaining: 5.68s
889:	learn: 0.0400786	total: 45.5s remaining: 5.63s
890:	learn: 0.0400459	total: 45.6s remaining: 5.57s
891:	learn: 0.0399995	total: 45.7s remaining: 5.53s
892:	learn: 0.0399698	total: 45.8s remaining: 5.48s
893:	learn: 0.0399172	total: 45.9s remaining: 5.45s
894:	learn: 0.0398759	total: 46s remaining: 5.39s
895:	learn: 0.0398084	total: 46s remaining: 5.34s
896:	learn: 0.0397357	total: 46s remaining: 5.28s
897:	learn: 0.0397220	total: 46s remaining: 5.23s
898:	learn: 0.0396890	total: 46s remaining: 5.17s
899:	learn: 0.0396418	total: 46.1s remaining: 5.12s
900:	learn: 0.0396114	total: 46.1s remaining: 5.07s
901:	learn: 0.0395667	total: 46.2s remaining: 5.02s
902:	learn: 0.0395069	total: 46.3s remaining: 4.97s
903:	learn: 0.0394319	total: 46.3s remaining: 4.92s
904:	learn: 0.0393748	total: 46.3s remaining: 4.86s
905:	learn: 0.0393504	total: 46.3s remaining: 4.81s
906:	learn: 0.0392785	total: 46.4s remaining: 4.75s
907:	learn: 0.0392346	total: 46.4s remaining: 4.7s
908:	learn: 0.0391844	total: 46.4s remaining: 4.65s
909:	learn: 0.0391793	total: 46.5s remaining: 4.6s
910:	learn: 0.0391205	total: 46.5s remaining: 4.54s
911:	learn: 0.0390733	total: 46.5s remaining: 4.49s
912:	learn: 0.0390328	total: 46.6s remaining: 4.44s
913:	learn: 0.0390254	total: 46.6s remaining: 4.38s
914:	learn: 0.0390011	total: 46.6s remaining: 4.33s
915:	learn: 0.0389517	total: 46.7s remaining: 4.28s
916:	learn: 0.0388872	total: 46.7s remaining: 4.22s
917:	learn: 0.0388402	total: 46.8s remaining: 4.18s
918:	learn: 0.0387978	total: 46.9s remaining: 4.13s
919:	learn: 0.0387276	total: 46.9s remaining: 4.08s
920:	learn: 0.0386712	total: 46.9s remaining: 4.03s
921:	learn: 0.0386372	total: 47s remaining: 3.98s
922:	learn: 0.0386167	total: 47.2s remaining: 3.93s
923:	learn: 0.0385800	total: 47.2s remaining: 3.88s
924:	learn: 0.0385427	total: 47.2s remaining: 3.83s
925:	learn: 0.0385011	total: 47.3s remaining: 3.78s
926:	learn: 0.0384412	total: 47.3s remaining: 3.73s
927:	learn: 0.0383949	total: 47.4s remaining: 3.68s
928:	learn: 0.0383057	total: 47.5s remaining: 3.63s
929:	learn: 0.0382944	total: 47.5s remaining: 3.58s
930:	learn: 0.0382389	total: 47.6s remaining: 3.53s
931:	learn: 0.0381962	total: 47.6s remaining: 3.47s
932:	learn: 0.0381718	total: 47.6s remaining: 3.42s

```

933: learn: 0.0381376    total: 47.7s   remaining: 3.37s
934: learn: 0.0380948    total: 47.7s   remaining: 3.32s
935: learn: 0.0380587    total: 47.7s   remaining: 3.26s
936: learn: 0.0379980    total: 47.7s   remaining: 3.21s
937: learn: 0.0379521    total: 47.8s   remaining: 3.16s
938: learn: 0.0379259    total: 47.8s   remaining: 3.11s
939: learn: 0.0378762    total: 47.9s   remaining: 3.06s
940: learn: 0.0378306    total: 47.9s   remaining: 3.01s
941: learn: 0.0377664    total: 48s     remaining: 2.95s
942: learn: 0.0377334    total: 48s     remaining: 2.9s
943: learn: 0.0376729    total: 48s     remaining: 2.85s
944: learn: 0.0376438    total: 48s     remaining: 2.79s
945: learn: 0.0376044    total: 48s     remaining: 2.74s
946: learn: 0.0375557    total: 48.1s   remaining: 2.69s
947: learn: 0.0375205    total: 48.1s   remaining: 2.64s
948: learn: 0.0374769    total: 48.1s   remaining: 2.59s
0.00986772036252739
0.1227908874718798

```

Out[41]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [46]: *#train best algorithms and agg the predictions*

```

catboost = CatBoostRegressor()
xgboost = XGBRegressor(max_depth=10, n_estimators=300, learning_rate=0.05)
gboost = GradientBoostingRegressor(n_estimators=100)
ridge = Ridge(alpha= 0.9736842105263157)
SVM = SVR(C=1, epsilon=0.05)
adaboost = AdaBoostRegressor(base_estimator=DecisionTreeRegressor(max_depth=None))

model9 = StackingRegressor(
    estimators=[("gboost", gboost), ("adaboost", adaboost), ("ridge", ridge),
               ("svm", SVM), ("cat", catboost), ("XGB", xgboost)],

    final_estimator=LinearRegression(),
    cv=5,
    n_jobs=-1
)

pipe_stacking = make_pipeline(preproc, model9)
score = cross_val_score(pipe_stacking, X, y_log, cv=5, scoring=rmsle, n_jobs=-1)
print(score.std())
score.mean()

```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
```

		houses_kaggle_competition_refined
949:	learn: 0.0374222	total: 47.3s remaining: 2.49s
950:	learn: 0.0373746	total: 47.3s remaining: 2.44s
951:	learn: 0.0373267	total: 47.4s remaining: 2.39s
952:	learn: 0.0373092	total: 47.4s remaining: 2.34s
953:	learn: 0.0372974	total: 47.4s remaining: 2.29s
954:	learn: 0.0372517	total: 47.4s remaining: 2.23s
955:	learn: 0.0372128	total: 47.5s remaining: 2.18s
956:	learn: 0.0371686	total: 47.5s remaining: 2.13s
957:	learn: 0.0371338	total: 47.5s remaining: 2.08s
958:	learn: 0.0371117	total: 47.5s remaining: 2.03s
959:	learn: 0.0371007	total: 47.5s remaining: 1.98s
960:	learn: 0.0370452	total: 47.5s remaining: 1.93s
961:	learn: 0.0369692	total: 47.5s remaining: 1.88s
962:	learn: 0.0369299	total: 47.5s remaining: 1.82s
963:	learn: 0.0368903	total: 47.6s remaining: 1.77s
964:	learn: 0.0368319	total: 47.6s remaining: 1.73s
965:	learn: 0.0368298	total: 47.6s remaining: 1.68s
966:	learn: 0.0367743	total: 47.7s remaining: 1.63s
967:	learn: 0.0367321	total: 47.7s remaining: 1.58s
968:	learn: 0.0367071	total: 47.7s remaining: 1.53s
969:	learn: 0.0366767	total: 47.8s remaining: 1.48s
970:	learn: 0.0366652	total: 47.8s remaining: 1.43s
971:	learn: 0.0366630	total: 47.8s remaining: 1.38s
972:	learn: 0.0366282	total: 47.9s remaining: 1.33s
973:	learn: 0.0365844	total: 47.9s remaining: 1.28s
974:	learn: 0.0365526	total: 47.9s remaining: 1.23s
975:	learn: 0.0365316	total: 48s remaining: 1.18s
976:	learn: 0.0365227	total: 48s remaining: 1.13s
977:	learn: 0.0364608	total: 48.1s remaining: 1.08s
978:	learn: 0.0364046	total: 48.1s remaining: 1.03s
979:	learn: 0.0363728	total: 48.1s remaining: 981ms
980:	learn: 0.0363288	total: 48.1s remaining: 932ms
981:	learn: 0.0362755	total: 48.1s remaining: 882ms
982:	learn: 0.0362417	total: 48.1s remaining: 833ms
983:	learn: 0.0361887	total: 48.2s remaining: 783ms
984:	learn: 0.0361459	total: 48.2s remaining: 734ms
985:	learn: 0.0360984	total: 48.2s remaining: 684ms
986:	learn: 0.0360680	total: 48.2s remaining: 635ms
987:	learn: 0.0360436	total: 48.3s remaining: 586ms
988:	learn: 0.0359817	total: 48.3s remaining: 537ms
989:	learn: 0.0359660	total: 48.3s remaining: 488ms
990:	learn: 0.0359384	total: 48.4s remaining: 439ms
991:	learn: 0.0359368	total: 48.4s remaining: 390ms
992:	learn: 0.0358877	total: 48.4s remaining: 341ms
993:	learn: 0.0358387	total: 48.5s remaining: 292ms
994:	learn: 0.0357789	total: 48.5s remaining: 244ms
995:	learn: 0.0357424	total: 48.5s remaining: 195ms
996:	learn: 0.0356836	total: 48.5s remaining: 146ms
997:	learn: 0.0356247	total: 48.6s remaining: 97.3ms
998:	learn: 0.0355963	total: 48.6s remaining: 48.6ms
999:	learn: 0.0355802	total: 48.6s remaining: 0us
	Learning rate set to 0.04196	
0:	learn: 0.3865793	total: 595ms remaining: 9m 54s
1:	learn: 0.3757686	total: 943ms remaining: 7m 50s
2:	learn: 0.3657856	total: 1.12s remaining: 6m 11s
3:	learn: 0.3564380	total: 1.34s remaining: 5m 33s
4:	learn: 0.3472586	total: 1.41s remaining: 4m 40s
5:	learn: 0.3383609	total: 1.49s remaining: 4m 6s
6:	learn: 0.3300616	total: 1.58s remaining: 3m 44s
7:	learn: 0.3214829	total: 1.64s remaining: 3m 22s
8:	learn: 0.3136168	total: 1.72s remaining: 3m 8s
9:	learn: 0.3064990	total: 1.74s remaining: 2m 52s
10:	learn: 0.2992142	total: 1.86s remaining: 2m 46s
11:	learn: 0.2922813	total: 1.89s remaining: 2m 35s

		houses_kaggle_competition_refined
12:	learn: 0.2856435	total: 1.92s remaining: 2m 25s
13:	learn: 0.2790403	total: 2s remaining: 2m 20s
14:	learn: 0.2728249	total: 2.03s remaining: 2m 13s
15:	learn: 0.2670024	total: 2.05s remaining: 2m 6s
16:	learn: 0.2613732	total: 2.09s remaining: 2m
17:	learn: 0.2556355	total: 2.11s remaining: 1m 55s
18:	learn: 0.2504953	total: 2.14s remaining: 1m 50s
19:	learn: 0.2460299	total: 2.15s remaining: 1m 45s
20:	learn: 0.2407897	total: 2.21s remaining: 1m 43s
21:	learn: 0.2358872	total: 2.28s remaining: 1m 41s
22:	learn: 0.2314495	total: 2.31s remaining: 1m 38s
23:	learn: 0.2274301	total: 2.36s remaining: 1m 35s
24:	learn: 0.2232825	total: 2.42s remaining: 1m 34s
25:	learn: 0.2193739	total: 2.43s remaining: 1m 31s
26:	learn: 0.2152747	total: 2.5s remaining: 1m 30s
27:	learn: 0.2116008	total: 2.52s remaining: 1m 27s
28:	learn: 0.2079231	total: 2.57s remaining: 1m 25s
29:	learn: 0.2045999	total: 2.65s remaining: 1m 25s
30:	learn: 0.2012834	total: 2.68s remaining: 1m 23s
31:	learn: 0.1982156	total: 2.77s remaining: 1m 23s
32:	learn: 0.1955263	total: 2.84s remaining: 1m 23s
33:	learn: 0.1927244	total: 2.9s remaining: 1m 22s
34:	learn: 0.1899570	total: 2.92s remaining: 1m 20s
35:	learn: 0.1873912	total: 2.96s remaining: 1m 19s
36:	learn: 0.1844964	total: 2.98s remaining: 1m 17s
37:	learn: 0.1819482	total: 3.05s remaining: 1m 17s
38:	learn: 0.1797636	total: 3.07s remaining: 1m 15s
39:	learn: 0.1774546	total: 3.19s remaining: 1m 16s
40:	learn: 0.1752113	total: 3.22s remaining: 1m 15s
41:	learn: 0.1729816	total: 3.23s remaining: 1m 13s
42:	learn: 0.1708140	total: 3.24s remaining: 1m 12s
43:	learn: 0.1688033	total: 3.29s remaining: 1m 11s
44:	learn: 0.1668395	total: 3.35s remaining: 1m 11s
45:	learn: 0.1649892	total: 3.37s remaining: 1m 9s
46:	learn: 0.1632369	total: 3.4s remaining: 1m 8s
47:	learn: 0.1615928	total: 3.44s remaining: 1m 8s
48:	learn: 0.1599232	total: 3.47s remaining: 1m 7s
49:	learn: 0.1581020	total: 3.56s remaining: 1m 7s
50:	learn: 0.1564581	total: 3.56s remaining: 1m 6s
51:	learn: 0.1549880	total: 3.61s remaining: 1m 5s
52:	learn: 0.1534288	total: 3.63s remaining: 1m 4s
53:	learn: 0.1521834	total: 3.68s remaining: 1m 4s
54:	learn: 0.1510079	total: 3.73s remaining: 1m 4s
55:	learn: 0.1497107	total: 3.76s remaining: 1m 3s
56:	learn: 0.1483828	total: 3.77s remaining: 1m 2s
57:	learn: 0.1473887	total: 3.87s remaining: 1m 2s
58:	learn: 0.1462777	total: 3.88s remaining: 1m 1s
59:	learn: 0.1452321	total: 3.9s remaining: 1m 1s
60:	learn: 0.1440795	total: 3.92s remaining: 1m
61:	learn: 0.1428619	total: 3.94s remaining: 59.6s
62:	learn: 0.1417858	total: 3.99s remaining: 59.3s
63:	learn: 0.1406181	total: 4.01s remaining: 58.7s
64:	learn: 0.1395938	total: 4.08s remaining: 58.7s
65:	learn: 0.1384474	total: 4.13s remaining: 58.5s
66:	learn: 0.1374495	total: 4.14s remaining: 57.6s
67:	learn: 0.1364554	total: 4.16s remaining: 57s
68:	learn: 0.1354754	total: 4.17s remaining: 56.3s
69:	learn: 0.1346408	total: 4.18s remaining: 55.6s
70:	learn: 0.1338978	total: 4.22s remaining: 55.2s
71:	learn: 0.1330433	total: 4.23s remaining: 54.5s
72:	learn: 0.1322730	total: 4.26s remaining: 54.1s
73:	learn: 0.1316266	total: 4.3s remaining: 53.8s
74:	learn: 0.1308206	total: 4.31s remaining: 53.2s
75:	learn: 0.1300447	total: 4.33s remaining: 52.7s

```

76: learn: 0.1292646    total: 4.36s  remaining: 52.3s
77: learn: 0.1286268    total: 4.38s  remaining: 51.8s
78: learn: 0.1279318    total: 4.41s  remaining: 51.4s
79: learn: 0.1272413    total: 4.44s  remaining: 51.1s
80: learn: 0.1265482    total: 4.48s  remaining: 50.8s
81: learn: 0.1258976    total: 4.48s  remaining: 50.2s
82: learn: 0.1252598    total: 4.58s  remaining: 50.6s
83: learn: 0.1247176    total: 4.62s  remaining: 50.3s
84: learn: 0.1240307    total: 4.66s  remaining: 50.1s
85: learn: 0.1234277    total: 4.75s  remaining: 50.5s
86: learn: 0.1229666    total: 4.79s  remaining: 50.3s
87: learn: 0.1224569    total: 4.87s  remaining: 50.5s
88: learn: 0.1218885    total: 4.88s  remaining: 49.9s
89: learn: 0.1213392    total: 4.9s   remaining: 49.5s
90: learn: 0.1208669    total: 4.99s  remaining: 49.9s
91: learn: 0.1202490    total: 5s    remaining: 49.3s
92: learn: 0.1198700    total: 5s    remaining: 48.8s
93: learn: 0.1193147    total: 5.01s  remaining: 48.3s
94: learn: 0.1188784    total: 5.01s  remaining: 47.7s
95: learn: 0.1183639    total: 5.01s  remaining: 47.2s
96: learn: 0.1178359    total: 5.02s  remaining: 46.8s
97: learn: 0.1173866    total: 5.03s  remaining: 46.3s
98: learn: 0.1170792    total: 5.04s  remaining: 45.9s
99: learn: 0.1166227    total: 5.05s  remaining: 45.4s
100: learn: 0.1160490    total: 5.05s  remaining: 45s
101: learn: 0.1156011    total: 5.08s  remaining: 44.7s
102: learn: 0.1153541    total: 5.08s  remaining: 44.3s
103: learn: 0.1148996    total: 5.12s  remaining: 44.1s
104: learn: 0.1145966    total: 5.12s  remaining: 43.7s
105: learn: 0.1140802    total: 5.21s  remaining: 43.9s
106: learn: 0.1135602    total: 5.21s  remaining: 43.5s
948: learn: 0.0329657    total: 47.3s  remaining: 2.54s
949: learn: 0.0329142    total: 47.3s  remaining: 2.49s
950: learn: 0.0328800    total: 47.4s  remaining: 2.44s
951: learn: 0.0328453    total: 47.4s  remaining: 2.39s
952: learn: 0.0328208    total: 47.4s  remaining: 2.34s
953: learn: 0.0327831    total: 47.4s  remaining: 2.29s
954: learn: 0.0327729    total: 47.5s  remaining: 2.24s
955: learn: 0.0327208    total: 47.5s  remaining: 2.19s
956: learn: 0.0327058    total: 47.7s  remaining: 2.14s
957: learn: 0.0326551    total: 47.7s  remaining: 2.09s
958: learn: 0.0326451    total: 47.8s  remaining: 2.04s
959: learn: 0.0326085    total: 47.8s  remaining: 1.99s
960: learn: 0.0325529    total: 47.9s  remaining: 1.94s
961: learn: 0.0325312    total: 47.9s  remaining: 1.89s
962: learn: 0.0324930    total: 47.9s  remaining: 1.84s
963: learn: 0.0324409    total: 47.9s  remaining: 1.79s
964: learn: 0.0324184    total: 48s   remaining: 1.74s
965: learn: 0.0324050    total: 48s   remaining: 1.69s
966: learn: 0.0323835    total: 48s   remaining: 1.64s
967: learn: 0.0323597    total: 48s   remaining: 1.59s
968: learn: 0.0323462    total: 48s   remaining: 1.54s
969: learn: 0.0323122    total: 48.1s  remaining: 1.49s
970: learn: 0.0322836    total: 48.1s  remaining: 1.44s
971: learn: 0.0322143    total: 48.1s  remaining: 1.39s
972: learn: 0.0321956    total: 48.1s  remaining: 1.33s
973: learn: 0.0321311    total: 48.1s  remaining: 1.28s
974: learn: 0.0320835    total: 48.2s  remaining: 1.23s
975: learn: 0.0320441    total: 48.2s  remaining: 1.18s
976: learn: 0.0320315    total: 48.2s  remaining: 1.13s
977: learn: 0.0319959    total: 48.3s  remaining: 1.08s
978: learn: 0.0319681    total: 48.3s  remaining: 1.03s
979: learn: 0.0319535    total: 48.3s  remaining: 986ms
980: learn: 0.0319067    total: 48.3s  remaining: 936ms

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		houses_kaggle_competition_refined
981:	learn: 0.0318963	total: 48.3s remaining: 886ms
982:	learn: 0.0318628	total: 48.4s remaining: 836ms
983:	learn: 0.0318296	total: 48.4s remaining: 786ms
984:	learn: 0.0317862	total: 48.4s remaining: 737ms
985:	learn: 0.0317609	total: 48.4s remaining: 687ms
986:	learn: 0.0317216	total: 48.4s remaining: 638ms
987:	learn: 0.0316968	total: 48.5s remaining: 589ms
988:	learn: 0.0316677	total: 48.5s remaining: 539ms
989:	learn: 0.0316333	total: 48.5s remaining: 490ms
990:	learn: 0.0315946	total: 48.5s remaining: 441ms
991:	learn: 0.0315539	total: 48.5s remaining: 391ms
992:	learn: 0.0315208	total: 48.6s remaining: 342ms
993:	learn: 0.0314997	total: 48.6s remaining: 293ms
994:	learn: 0.0314549	total: 48.6s remaining: 244ms
995:	learn: 0.0314230	total: 48.7s remaining: 195ms
996:	learn: 0.0313713	total: 48.7s remaining: 146ms
997:	learn: 0.0313400	total: 48.7s remaining: 97.6ms
998:	learn: 0.0313287	total: 48.7s remaining: 48.8ms
999:	learn: 0.0312995	total: 48.7s remaining: 0us
Learning rate set to 0.04196		
0:	learn: 0.3819569	total: 493ms remaining: 8m 12s
1:	learn: 0.3721014	total: 757ms remaining: 6m 17s
2:	learn: 0.3629131	total: 996ms remaining: 5m 31s
3:	learn: 0.3537739	total: 1.21s remaining: 5m 1s
4:	learn: 0.3457475	total: 1.27s remaining: 4m 12s
5:	learn: 0.3374546	total: 1.34s remaining: 3m 42s
6:	learn: 0.3290518	total: 1.36s remaining: 3m 13s
7:	learn: 0.3205967	total: 1.41s remaining: 2m 54s
8:	learn: 0.3139771	total: 1.46s remaining: 2m 41s
9:	learn: 0.3062352	total: 1.47s remaining: 2m 25s
10:	learn: 0.2996767	total: 1.58s remaining: 2m 21s
11:	learn: 0.2930645	total: 1.65s remaining: 2m 15s
12:	learn: 0.2857294	total: 1.71s remaining: 2m 9s
13:	learn: 0.2787632	total: 1.79s remaining: 2m 5s
14:	learn: 0.2727005	total: 1.81s remaining: 1m 59s
15:	learn: 0.2672561	total: 1.91s remaining: 1m 57s
16:	learn: 0.2618072	total: 1.94s remaining: 1m 52s
17:	learn: 0.2565641	total: 1.97s remaining: 1m 47s
18:	learn: 0.2516148	total: 1.98s remaining: 1m 42s
19:	learn: 0.2461330	total: 2.03s remaining: 1m 39s
20:	learn: 0.2410856	total: 2.04s remaining: 1m 34s
21:	learn: 0.2366205	total: 2.09s remaining: 1m 33s
22:	learn: 0.2319720	total: 2.1s remaining: 1m 29s
23:	learn: 0.2273392	total: 2.17s remaining: 1m 28s
24:	learn: 0.2235379	total: 2.23s remaining: 1m 27s
25:	learn: 0.2192162	total: 2.28s remaining: 1m 25s
26:	learn: 0.2155526	total: 2.29s remaining: 1m 22s
27:	learn: 0.2118984	total: 2.29s remaining: 1m 19s
28:	learn: 0.2083810	total: 2.3s remaining: 1m 16s
29:	learn: 0.2051905	total: 2.4s remaining: 1m 17s
30:	learn: 0.2019699	total: 2.41s remaining: 1m 15s
31:	learn: 0.1987382	total: 2.44s remaining: 1m 13s
32:	learn: 0.1957123	total: 2.51s remaining: 1m 13s
33:	learn: 0.1927310	total: 2.55s remaining: 1m 12s
34:	learn: 0.1899712	total: 2.62s remaining: 1m 12s
35:	learn: 0.1873490	total: 2.63s remaining: 1m 10s
36:	learn: 0.1847686	total: 2.67s remaining: 1m 9s
37:	learn: 0.1820899	total: 2.74s remaining: 1m 9s
38:	learn: 0.1794973	total: 2.77s remaining: 1m 8s
39:	learn: 0.1771351	total: 2.78s remaining: 1m 6s
40:	learn: 0.1750691	total: 2.86s remaining: 1m 6s
41:	learn: 0.1727096	total: 2.89s remaining: 1m 5s
42:	learn: 0.1705512	total: 2.96s remaining: 1m 5s
43:	learn: 0.1684548	total: 3.05s remaining: 1m 6s

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44: learn: 0.1665636    total: 3.07s  remaining: 1m 5s
45: learn: 0.1647450    total: 3.09s  remaining: 1m 4s
46: learn: 0.1629338    total: 3.18s  remaining: 1m 4s
47: learn: 0.1612525    total: 3.19s  remaining: 1m 3s
48: learn: 0.1595788    total: 3.22s  remaining: 1m 2s
49: learn: 0.1578477    total: 3.24s  remaining: 1m 1s
50: learn: 0.1562903    total: 3.28s  remaining: 1m 1s
51: learn: 0.1548679    total: 3.29s  remaining: 59.9s
52: learn: 0.1532693    total: 3.33s  remaining: 59.5s
53: learn: 0.1519029    total: 3.35s  remaining: 58.7s
54: learn: 0.1505246    total: 3.37s  remaining: 57.9s
55: learn: 0.1491571    total: 3.4s   remaining: 57.3s
56: learn: 0.1478259    total: 3.44s  remaining: 56.9s
57: learn: 0.1465766    total: 3.46s  remaining: 56.2s
58: learn: 0.1454560    total: 3.56s  remaining: 56.8s
59: learn: 0.1444434    total: 3.59s  remaining: 56.2s
60: learn: 0.1432457    total: 3.64s  remaining: 56s
61: learn: 0.1423340    total: 3.64s  remaining: 55.1s
62: learn: 0.1411621    total: 3.68s  remaining: 54.7s
63: learn: 0.1401652    total: 3.68s  remaining: 53.9s
64: learn: 0.1392118    total: 3.73s  remaining: 53.7s
65: learn: 0.1382473    total: 3.75s  remaining: 53s
66: learn: 0.1373763    total: 3.79s  remaining: 52.9s
67: learn: 0.1363007    total: 3.86s  remaining: 52.9s
68: learn: 0.1353509    total: 3.93s  remaining: 53s
69: learn: 0.1343893    total: 3.93s  remaining: 52.2s
70: learn: 0.1335369    total: 3.98s  remaining: 52s
71: learn: 0.1326268    total: 4.02s  remaining: 51.8s
72: learn: 0.1319095    total: 4.03s  remaining: 51.1s
73: learn: 0.1310967    total: 4.07s  remaining: 50.9s
74: learn: 0.1302924    total: 4.09s  remaining: 50.4s
75: learn: 0.1294662    total: 4.15s  remaining: 50.4s
76: learn: 0.1288907    total: 4.17s  remaining: 50s
77: learn: 0.1281928    total: 4.18s  remaining: 49.5s
78: learn: 0.1275603    total: 4.19s  remaining: 48.8s
79: learn: 0.1270334    total: 4.28s  remaining: 49.2s
80: learn: 0.1263889    total: 4.29s  remaining: 48.7s
81: learn: 0.1257561    total: 4.33s  remaining: 48.5s
82: learn: 0.1252923    total: 4.37s  remaining: 48.3s
83: learn: 0.1246534    total: 4.38s  remaining: 47.8s
84: learn: 0.1239839    total: 4.43s  remaining: 47.7s
85: learn: 0.1233723    total: 4.51s  remaining: 47.9s
86: learn: 0.1228075    total: 4.56s  remaining: 47.8s
87: learn: 0.1222590    total: 4.6s   remaining: 47.7s
88: learn: 0.1218227    total: 4.67s  remaining: 47.8s
89: learn: 0.1211859    total: 4.82s  remaining: 48.7s
90: learn: 0.1206059    total: 4.82s  remaining: 48.2s
91: learn: 0.1201224    total: 4.85s  remaining: 47.9s
92: learn: 0.1196120    total: 4.86s  remaining: 47.4s
93: learn: 0.1191705    total: 4.89s  remaining: 47.1s
94: learn: 0.1186850    total: 4.89s  remaining: 46.6s
95: learn: 0.1181323    total: 4.91s  remaining: 46.2s
96: learn: 0.1176568    total: 4.91s  remaining: 45.7s
97: learn: 0.1172241    total: 5.01s  remaining: 46.1s
98: learn: 0.1165875    total: 5.02s  remaining: 45.7s
99: learn: 0.1160548    total: 5.07s  remaining: 45.6s
100: learn: 0.1155374   total: 5.08s  remaining: 45.2s
101: learn: 0.1151497   total: 5.18s  remaining: 45.6s
102: learn: 0.1147529   total: 5.26s  remaining: 45.8s
103: learn: 0.1143829   total: 5.28s  remaining: 45.5s
104: learn: 0.1138224   total: 5.3s   remaining: 45.1s
105: learn: 0.1133999   total: 5.34s  remaining: 45s
106: learn: 0.1130232   total: 5.35s  remaining: 44.6s
951: learn: 0.0342425   total: 45.8s  remaining: 2.31s

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		houses_kaggle_competition_refined
952:	learn: 0.0341810	total: 45.9s remaining: 2.26s
953:	learn: 0.0341493	total: 45.9s remaining: 2.21s
954:	learn: 0.0341468	total: 46s remaining: 2.17s
955:	learn: 0.0340928	total: 46.1s remaining: 2.12s
956:	learn: 0.0340491	total: 46.1s remaining: 2.07s
957:	learn: 0.0340106	total: 46.2s remaining: 2.02s
958:	learn: 0.0339836	total: 46.2s remaining: 1.98s
959:	learn: 0.0339816	total: 46.2s remaining: 1.93s
960:	learn: 0.0339467	total: 46.3s remaining: 1.88s
961:	learn: 0.0339237	total: 46.3s remaining: 1.83s
962:	learn: 0.0339117	total: 46.3s remaining: 1.78s
963:	learn: 0.0338659	total: 46.4s remaining: 1.73s
964:	learn: 0.0338351	total: 46.4s remaining: 1.68s
965:	learn: 0.0337961	total: 46.5s remaining: 1.64s
966:	learn: 0.0337650	total: 46.5s remaining: 1.59s
967:	learn: 0.0337263	total: 46.6s remaining: 1.54s
968:	learn: 0.0336769	total: 46.6s remaining: 1.49s
969:	learn: 0.0336342	total: 46.7s remaining: 1.44s
970:	learn: 0.0336050	total: 46.8s remaining: 1.4s
971:	learn: 0.0335792	total: 46.9s remaining: 1.35s
972:	learn: 0.0335316	total: 46.9s remaining: 1.3s
973:	learn: 0.0335217	total: 47s remaining: 1.25s
974:	learn: 0.0334677	total: 47.1s remaining: 1.21s
975:	learn: 0.0334314	total: 47.1s remaining: 1.16s
976:	learn: 0.0334160	total: 47.1s remaining: 1.11s
977:	learn: 0.0333935	total: 47.2s remaining: 1.06s
978:	learn: 0.0333657	total: 47.2s remaining: 1.01s
979:	learn: 0.0333243	total: 47.3s remaining: 965ms
980:	learn: 0.0332764	total: 47.4s remaining: 917ms
981:	learn: 0.0332503	total: 47.4s remaining: 869ms
982:	learn: 0.0332192	total: 47.4s remaining: 820ms
983:	learn: 0.0332165	total: 47.5s remaining: 772ms
984:	learn: 0.0331598	total: 47.6s remaining: 725ms
985:	learn: 0.0331260	total: 47.6s remaining: 676ms
986:	learn: 0.0330896	total: 47.6s remaining: 627ms
987:	learn: 0.0330584	total: 47.7s remaining: 579ms
988:	learn: 0.0330325	total: 47.7s remaining: 531ms
989:	learn: 0.0330008	total: 47.8s remaining: 482ms
990:	learn: 0.0329719	total: 47.8s remaining: 434ms
991:	learn: 0.0329032	total: 47.8s remaining: 385ms
992:	learn: 0.0328625	total: 47.9s remaining: 337ms
993:	learn: 0.0328295	total: 47.9s remaining: 289ms
994:	learn: 0.0327822	total: 48s remaining: 241ms
995:	learn: 0.0327335	total: 48.1s remaining: 193ms
996:	learn: 0.0327007	total: 48.1s remaining: 145ms
997:	learn: 0.0326884	total: 48.1s remaining: 96.5ms
998:	learn: 0.0326857	total: 48.2s remaining: 48.2ms
999:	learn: 0.0326483	total: 48.2s remaining: 0us
Learning rate set to 0.04196		
0:	learn: 0.3921919	total: 591ms remaining: 9m 50s
1:	learn: 0.3818640	total: 831ms remaining: 6m 54s
2:	learn: 0.3716992	total: 945ms remaining: 5m 14s
3:	learn: 0.3616062	total: 1.02s remaining: 4m 15s
4:	learn: 0.3524912	total: 1.21s remaining: 4m 1s
5:	learn: 0.3438585	total: 1.24s remaining: 3m 26s
6:	learn: 0.3353011	total: 1.34s remaining: 3m 10s
7:	learn: 0.3263312	total: 1.41s remaining: 2m 54s
8:	learn: 0.3185779	total: 1.45s remaining: 2m 39s
9:	learn: 0.3111781	total: 1.47s remaining: 2m 25s
10:	learn: 0.3043186	total: 1.55s remaining: 2m 14s
11:	learn: 0.2975314	total: 1.53s remaining: 2m 5s
12:	learn: 0.2909412	total: 1.62s remaining: 2m 3s
13:	learn: 0.2842693	total: 1.66s remaining: 1m 56s
14:	learn: 0.2782189	total: 1.77s remaining: 1m 56s

15:	learn: 0.2722419	total: 1.86s	remaining: 1m 54s
16:	learn: 0.2664278	total: 1.95s	remaining: 1m 52s
17:	learn: 0.2610505	total: 2.05s	remaining: 1m 51s
18:	learn: 0.2559799	total: 2.1s	remaining: 1m 48s
19:	learn: 0.2514075	total: 2.19s	remaining: 1m 47s
20:	learn: 0.2464614	total: 2.22s	remaining: 1m 43s
21:	learn: 0.2417150	total: 2.26s	remaining: 1m 40s
22:	learn: 0.2371290	total: 2.29s	remaining: 1m 37s
23:	learn: 0.2325215	total: 2.3s	remaining: 1m 33s
24:	learn: 0.2285592	total: 2.4s	remaining: 1m 33s
25:	learn: 0.2243367	total: 2.41s	remaining: 1m 30s
26:	learn: 0.2202969	total: 2.43s	remaining: 1m 27s
27:	learn: 0.2164273	total: 2.45s	remaining: 1m 25s
28:	learn: 0.2130404	total: 2.46s	remaining: 1m 22s
29:	learn: 0.2094421	total: 2.5s	remaining: 1m 20s
30:	learn: 0.2060605	total: 2.5s	remaining: 1m 18s
31:	learn: 0.2030876	total: 2.56s	remaining: 1m 17s
32:	learn: 0.2002075	total: 2.57s	remaining: 1m 15s
33:	learn: 0.1972323	total: 2.6s	remaining: 1m 13s
34:	learn: 0.1943155	total: 2.62s	remaining: 1m 12s
35:	learn: 0.1917540	total: 2.68s	remaining: 1m 11s
36:	learn: 0.1891267	total: 2.71s	remaining: 1m 10s
37:	learn: 0.1864874	total: 2.73s	remaining: 1m 9s
38:	learn: 0.1842296	total: 2.88s	remaining: 1m 10s
39:	learn: 0.1820444	total: 2.91s	remaining: 1m 9s
40:	learn: 0.1797215	total: 2.96s	remaining: 1m 9s
41:	learn: 0.1777225	total: 3s	remaining: 1m 8s
42:	learn: 0.1755867	total: 3.06s	remaining: 1m 8s
43:	learn: 0.1734320	total: 3.12s	remaining: 1m 7s
44:	learn: 0.1714957	total: 3.17s	remaining: 1m 7s
45:	learn: 0.1697096	total: 3.24s	remaining: 1m 7s
46:	learn: 0.1679142	total: 3.25s	remaining: 1m 5s
47:	learn: 0.1662485	total: 3.26s	remaining: 1m 4s
48:	learn: 0.1645198	total: 3.35s	remaining: 1m 4s
49:	learn: 0.1628885	total: 3.37s	remaining: 1m 4s
50:	learn: 0.1611664	total: 3.43s	remaining: 1m 3s
51:	learn: 0.1599999	total: 3.45s	remaining: 1m 2s
52:	learn: 0.1584712	total: 3.5s	remaining: 1m 2s
53:	learn: 0.1571570	total: 3.56s	remaining: 1m 2s
54:	learn: 0.1556939	total: 3.6s	remaining: 1m 1s
55:	learn: 0.1542614	total: 3.67s	remaining: 1m 1s
56:	learn: 0.1527732	total: 3.73s	remaining: 1m 1s
57:	learn: 0.1516201	total: 3.77s	remaining: 1m 1s
58:	learn: 0.1504086	total: 3.8s	remaining: 1m
59:	learn: 0.1492768	total: 3.82s	remaining: 59.9s
60:	learn: 0.1481896	total: 3.9s	remaining: 1m
61:	learn: 0.1471824	total: 3.91s	remaining: 59.1s
62:	learn: 0.1461898	total: 3.92s	remaining: 58.4s
63:	learn: 0.1450505	total: 3.96s	remaining: 57.9s
64:	learn: 0.1440054	total: 4.01s	remaining: 57.7s
65:	learn: 0.1429975	total: 4.04s	remaining: 57.1s
66:	learn: 0.1420356	total: 4.06s	remaining: 56.5s
67:	learn: 0.1412486	total: 4.06s	remaining: 55.7s
68:	learn: 0.1402676	total: 4.07s	remaining: 54.9s
69:	learn: 0.1393026	total: 4.08s	remaining: 54.2s
70:	learn: 0.1384225	total: 4.14s	remaining: 54.2s
71:	learn: 0.1377410	total: 4.16s	remaining: 53.6s
72:	learn: 0.1369112	total: 4.19s	remaining: 53.2s
73:	learn: 0.1362130	total: 4.22s	remaining: 52.8s
74:	learn: 0.1354180	total: 4.25s	remaining: 52.4s
75:	learn: 0.1345167	total: 4.27s	remaining: 52s
76:	learn: 0.1336779	total: 4.29s	remaining: 51.5s
77:	learn: 0.1329493	total: 4.31s	remaining: 51s
78:	learn: 0.1322640	total: 4.35s	remaining: 50.7s

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79: learn: 0.1317195      total: 4.38s  remaining: 50.4s
80: learn: 0.1311042      total: 4.41s  remaining: 50.1s
81: learn: 0.1303179      total: 4.43s  remaining: 49.6s
82: learn: 0.1295833      total: 4.47s  remaining: 49.4s
83: learn: 0.1290761      total: 4.5s   remaining: 49.1s
84: learn: 0.1286596      total: 4.61s  remaining: 49.6s
85: learn: 0.1281721      total: 4.61s  remaining: 49s
86: learn: 0.1276352      total: 4.68s  remaining: 49.1s
87: learn: 0.1268957      total: 4.69s  remaining: 48.6s
88: learn: 0.1264308      total: 4.71s  remaining: 48.2s
89: learn: 0.1259101      total: 4.8s   remaining: 48.5s
90: learn: 0.1253240      total: 4.82s  remaining: 48.1s
91: learn: 0.1246135      total: 4.87s  remaining: 48.1s
92: learn: 0.1240585      total: 4.89s  remaining: 47.7s
93: learn: 0.1234603      total: 4.91s  remaining: 47.4s
94: learn: 0.1229358      total: 4.95s  remaining: 47.2s
95: learn: 0.1222196      total: 4.99s  remaining: 47s
96: learn: 0.1217553      total: 5s    remaining: 46.6s
97: learn: 0.1214038      total: 5.11s  remaining: 47s
98: learn: 0.1209570      total: 5.12s  remaining: 46.6s
99: learn: 0.1205292      total: 5.12s  remaining: 46.1s
100: learn: 0.1200759     total: 5.14s  remaining: 45.8s
101: learn: 0.1194195     total: 5.17s  remaining: 45.5s
102: learn: 0.1190417     total: 5.17s  remaining: 45s
103: learn: 0.1185198     total: 5.17s  remaining: 44.6s
104: learn: 0.1181130     total: 5.18s  remaining: 44.1s
105: learn: 0.1176915     total: 5.18s  remaining: 43.7s
106: learn: 0.1171775     total: 5.28s  remaining: 44.1s
107: learn: 0.1167904     total: 5.38s  remaining: 44.4s
108: learn: 0.1164708     total: 5.38s  remaining: 44s
109: learn: 0.1161385     total: 5.39s  remaining: 43.6s
950: learn: 0.0332450     total: 45.7s  remaining: 2.35s
951: learn: 0.0332200     total: 45.8s  remaining: 2.31s
952: learn: 0.0332018     total: 45.9s  remaining: 2.26s
953: learn: 0.0331503     total: 45.9s  remaining: 2.21s
954: learn: 0.0331258     total: 46s   remaining: 2.17s
955: learn: 0.0331226     total: 46s   remaining: 2.12s
956: learn: 0.0330921     total: 46s   remaining: 2.07s
957: learn: 0.0330413     total: 46.1s  remaining: 2.02s
958: learn: 0.0330100     total: 46.1s  remaining: 1.97s
959: learn: 0.0329671     total: 46.1s  remaining: 1.92s
960: learn: 0.0329392     total: 46.2s  remaining: 1.87s
961: learn: 0.0329093     total: 46.2s  remaining: 1.82s
962: learn: 0.0328735     total: 46.3s  remaining: 1.78s
963: learn: 0.0328257     total: 46.3s  remaining: 1.73s
964: learn: 0.0327928     total: 46.4s  remaining: 1.68s
965: learn: 0.0327749     total: 46.4s  remaining: 1.63s
966: learn: 0.0327009     total: 46.4s  remaining: 1.58s
967: learn: 0.0326450     total: 46.4s  remaining: 1.53s
968: learn: 0.0326317     total: 46.5s  remaining: 1.49s
969: learn: 0.0325800     total: 46.5s  remaining: 1.44s
970: learn: 0.0325537     total: 46.6s  remaining: 1.39s
971: learn: 0.0325115     total: 46.6s  remaining: 1.34s
972: learn: 0.0324609     total: 46.7s  remaining: 1.29s
973: learn: 0.0324346     total: 46.7s  remaining: 1.25s
974: learn: 0.0324164     total: 46.7s  remaining: 1.2s
975: learn: 0.0323950     total: 46.8s  remaining: 1.15s
976: learn: 0.0323712     total: 46.9s  remaining: 1.1s
977: learn: 0.0323390     total: 46.9s  remaining: 1.05s
978: learn: 0.0323080     total: 47s   remaining: 1.01s
979: learn: 0.0322778     total: 47s   remaining: 959ms
980: learn: 0.0322619     total: 47s   remaining: 911ms
981: learn: 0.0322316     total: 47.1s  remaining: 863ms
982: learn: 0.0321840     total: 47.2s  remaining: 815ms

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		houses_kaggle_competition_refined
983:	learn: 0.0321535	total: 47.2s remaining: 767ms
984:	learn: 0.0321128	total: 47.2s remaining: 719ms
985:	learn: 0.0320549	total: 47.2s remaining: 670ms
986:	learn: 0.0320062	total: 47.2s remaining: 622ms
987:	learn: 0.0319559	total: 47.3s remaining: 574ms
988:	learn: 0.0319520	total: 47.3s remaining: 526ms
989:	learn: 0.0319245	total: 47.4s remaining: 478ms
990:	learn: 0.0318844	total: 47.4s remaining: 431ms
991:	learn: 0.0318540	total: 47.4s remaining: 382ms
992:	learn: 0.0318133	total: 47.5s remaining: 335ms
993:	learn: 0.0317979	total: 47.5s remaining: 287ms
994:	learn: 0.0317260	total: 47.6s remaining: 239ms
995:	learn: 0.0316985	total: 47.6s remaining: 191ms
996:	learn: 0.0316582	total: 47.6s remaining: 143ms
997:	learn: 0.0316259	total: 47.6s remaining: 95.5ms
998:	learn: 0.0315876	total: 47.7s remaining: 47.7ms
999:	learn: 0.0315531	total: 47.7s remaining: 0us
Learning rate set to 0.04196		
0:	learn: 0.3923018	total: 594ms remaining: 9m 53s
1:	learn: 0.3821767	total: 802ms remaining: 6m 39s
2:	learn: 0.3716181	total: 955ms remaining: 5m 17s
3:	learn: 0.3614076	total: 1.11s remaining: 4m 37s
4:	learn: 0.3519609	total: 1.14s remaining: 3m 47s
5:	learn: 0.3424323	total: 1.37s remaining: 3m 46s
6:	learn: 0.3336696	total: 1.47s remaining: 3m 28s
7:	learn: 0.3256876	total: 1.52s remaining: 3m 8s
8:	learn: 0.3178716	total: 1.58s remaining: 2m 53s
9:	learn: 0.3099201	total: 1.64s remaining: 2m 42s
10:	learn: 0.3032245	total: 1.72s remaining: 2m 34s
11:	learn: 0.2957340	total: 1.94s remaining: 2m 39s
12:	learn: 0.2889691	total: 1.98s remaining: 2m 30s
13:	learn: 0.2824705	total: 2.07s remaining: 2m 25s
14:	learn: 0.2760021	total: 2.12s remaining: 2m 19s
15:	learn: 0.2706493	total: 2.12s remaining: 2m 10s
16:	learn: 0.2649793	total: 2.21s remaining: 2m 8s
17:	learn: 0.2592720	total: 2.29s remaining: 2m 4s
18:	learn: 0.2540121	total: 2.42s remaining: 2m 4s
19:	learn: 0.2490190	total: 2.45s remaining: 1m 59s
20:	learn: 0.2440520	total: 2.48s remaining: 1m 55s
21:	learn: 0.2389755	total: 2.52s remaining: 1m 51s
22:	learn: 0.2344039	total: 2.57s remaining: 1m 49s
23:	learn: 0.2303592	total: 2.6s remaining: 1m 45s
24:	learn: 0.2264373	total: 2.65s remaining: 1m 43s
25:	learn: 0.2224317	total: 2.75s remaining: 1m 43s
26:	learn: 0.2184781	total: 2.82s remaining: 1m 41s
27:	learn: 0.2149052	total: 2.87s remaining: 1m 39s
28:	learn: 0.2115461	total: 2.9s remaining: 1m 37s
29:	learn: 0.2081309	total: 2.94s remaining: 1m 35s
30:	learn: 0.2046958	total: 2.99s remaining: 1m 33s
31:	learn: 0.2016533	total: 3.08s remaining: 1m 33s
32:	learn: 0.1987269	total: 3.11s remaining: 1m 31s
33:	learn: 0.1956723	total: 3.16s remaining: 1m 29s
34:	learn: 0.1926336	total: 3.31s remaining: 1m 31s
35:	learn: 0.1903000	total: 3.33s remaining: 1m 29s
36:	learn: 0.1876492	total: 3.4s remaining: 1m 28s
37:	learn: 0.1849435	total: 3.47s remaining: 1m 27s
38:	learn: 0.1827596	total: 3.54s remaining: 1m 27s
39:	learn: 0.1806906	total: 3.59s remaining: 1m 26s
40:	learn: 0.1786327	total: 3.63s remaining: 1m 25s
41:	learn: 0.1764377	total: 3.67s remaining: 1m 23s
42:	learn: 0.1742082	total: 3.72s remaining: 1m 22s
43:	learn: 0.1720184	total: 3.76s remaining: 1m 21s
44:	learn: 0.1700579	total: 3.89s remaining: 1m 22s
45:	learn: 0.1683010	total: 3.9s remaining: 1m 20s

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46: learn: 0.1664843    total: 3.93s  remaining: 1m 19s
47: learn: 0.1647233    total: 3.95s  remaining: 1m 18s
48: learn: 0.1630543    total: 4s      remaining: 1m 17s
49: learn: 0.1613879    total: 4.06s  remaining: 1m 17s
50: learn: 0.1597771    total: 4.09s  remaining: 1m 16s
51: learn: 0.1582076    total: 4.13s  remaining: 1m 15s
52: learn: 0.1567802    total: 4.19s  remaining: 1m 14s
53: learn: 0.1555403    total: 4.21s  remaining: 1m 13s
54: learn: 0.1542356    total: 4.23s  remaining: 1m 12s
55: learn: 0.1531043    total: 4.28s  remaining: 1m 12s
56: learn: 0.1518850    total: 4.29s  remaining: 1m 10s
57: learn: 0.1504802    total: 4.29s  remaining: 1m 9s
58: learn: 0.1495616    total: 4.3s   remaining: 1m 8s
59: learn: 0.1485056    total: 4.32s  remaining: 1m 7s
60: learn: 0.1473229    total: 4.33s  remaining: 1m 6s
61: learn: 0.1464144    total: 4.35s  remaining: 1m 5s
62: learn: 0.1451619    total: 4.38s  remaining: 1m 5s
63: learn: 0.1441829    total: 4.48s  remaining: 1m 5s
64: learn: 0.1431796    total: 4.53s  remaining: 1m 5s
65: learn: 0.1420466    total: 4.6s   remaining: 1m 5s
66: learn: 0.1412002    total: 4.64s  remaining: 1m 4s
67: learn: 0.1402576    total: 4.67s  remaining: 1m 4s
68: learn: 0.1394276    total: 4.74s  remaining: 1m 3s
69: learn: 0.1384949    total: 4.75s  remaining: 1m 3s
70: learn: 0.1376156    total: 4.77s  remaining: 1m 2s
71: learn: 0.1365531    total: 4.79s  remaining: 1m 1s
72: learn: 0.1357950    total: 4.86s  remaining: 1m 1s
73: learn: 0.1348988    total: 4.9s   remaining: 1m 1s
74: learn: 0.1341843    total: 4.91s  remaining: 1m
75: learn: 0.1333584    total: 5.13s  remaining: 1m 2s
76: learn: 0.1327283    total: 5.13s  remaining: 1m 1s
77: learn: 0.1320068    total: 5.18s  remaining: 1m 1s
78: learn: 0.1313384    total: 5.35s  remaining: 1m 2s
79: learn: 0.1306133    total: 5.36s  remaining: 1m 1s
80: learn: 0.1298349    total: 5.37s  remaining: 1m
81: learn: 0.1289976    total: 5.39s  remaining: 1m
82: learn: 0.1283866    total: 5.4s   remaining: 59.6s
83: learn: 0.1277175    total: 5.43s  remaining: 59.2s
84: learn: 0.1271314    total: 5.45s  remaining: 58.6s
85: learn: 0.1264907    total: 5.45s  remaining: 57.9s
86: learn: 0.1257819    total: 5.46s  remaining: 57.3s
87: learn: 0.1253275    total: 5.46s  remaining: 56.6s
88: learn: 0.1249090    total: 5.49s  remaining: 56.2s
89: learn: 0.1244403    total: 5.5s   remaining: 55.6s
90: learn: 0.1239289    total: 5.5s   remaining: 55s
91: learn: 0.1234048    total: 5.58s  remaining: 55.1s
92: learn: 0.1229107    total: 5.6s   remaining: 54.6s
93: learn: 0.1222825    total: 5.72s  remaining: 55.1s
94: learn: 0.1216590    total: 5.75s  remaining: 54.8s
95: learn: 0.1211465    total: 5.77s  remaining: 54.3s
96: learn: 0.1206457    total: 5.77s  remaining: 53.7s
97: learn: 0.1202824    total: 5.83s  remaining: 53.6s
98: learn: 0.1198645    total: 5.83s  remaining: 53.1s
99: learn: 0.1193244    total: 5.94s  remaining: 53.4s
100: learn: 0.1188552   total: 5.94s  remaining: 52.9s
101: learn: 0.1183099   total: 5.96s  remaining: 52.5s
102: learn: 0.1179887   total: 5.97s  remaining: 52s
103: learn: 0.1176682   total: 5.99s  remaining: 51.6s
104: learn: 0.1172026   total: 6.01s  remaining: 51.2s
105: learn: 0.1167085   total: 6.02s  remaining: 50.8s
106: learn: 0.1163284   total: 6.04s  remaining: 50.4s
107: learn: 0.1159804   total: 6.05s  remaining: 50s
110: learn: 0.1157445   total: 5.55s  remaining: 44.4s
111: learn: 0.1153133   total: 5.62s  remaining: 44.5s

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112: learn: 0.1150792      total: 5.63s  remaining: 44.2s
113: learn: 0.1148065      total: 5.69s  remaining: 44.2s
114: learn: 0.1144739      total: 5.71s  remaining: 44s
115: learn: 0.1139894      total: 5.8s   remaining: 44.2s
116: learn: 0.1137281      total: 5.8s   remaining: 43.8s
117: learn: 0.1134622      total: 5.87s  remaining: 43.9s
118: learn: 0.1131146      total: 5.87s  remaining: 43.5s
119: learn: 0.1127227      total: 5.92s  remaining: 43.4s
120: learn: 0.1124614      total: 5.93s  remaining: 43.1s
121: learn: 0.1121289      total: 5.94s  remaining: 42.7s
122: learn: 0.1118421      total: 5.97s  remaining: 42.6s
123: learn: 0.1113879      total: 5.99s  remaining: 42.3s
124: learn: 0.1111531      total: 6s     remaining: 42s
125: learn: 0.1108254      total: 6.02s  remaining: 41.8s
126: learn: 0.1104015      total: 6.04s  remaining: 41.5s
127: learn: 0.1101059      total: 6.08s  remaining: 41.4s
128: learn: 0.1098589      total: 6.13s  remaining: 41.4s
129: learn: 0.1095724      total: 6.35s  remaining: 42.5s
130: learn: 0.1093703      total: 6.39s  remaining: 42.4s
131: learn: 0.1091563      total: 6.43s  remaining: 42.3s
132: learn: 0.1088821      total: 6.45s  remaining: 42.1s
133: learn: 0.1085590      total: 6.54s  remaining: 42.3s
134: learn: 0.1083521      total: 6.55s  remaining: 42s
135: learn: 0.1080595      total: 6.57s  remaining: 41.8s
136: learn: 0.1078294      total: 6.63s  remaining: 41.8s
137: learn: 0.1074993      total: 6.7s   remaining: 41.8s
138: learn: 0.1070789      total: 6.74s  remaining: 41.7s
139: learn: 0.1068033      total: 6.78s  remaining: 41.6s
140: learn: 0.1065992      total: 6.82s  remaining: 41.6s
141: learn: 0.1063204      total: 6.85s  remaining: 41.4s
142: learn: 0.1060841      total: 6.92s  remaining: 41.5s
143: learn: 0.1059293      total: 6.92s  remaining: 41.2s
144: learn: 0.1056234      total: 6.99s  remaining: 41.2s
145: learn: 0.1054123      total: 7.05s  remaining: 41.2s
146: learn: 0.1051763      total: 7.07s  remaining: 41s
147: learn: 0.1050140      total: 7.22s  remaining: 41.6s
148: learn: 0.1048038      total: 7.25s  remaining: 41.4s
149: learn: 0.1046346      total: 7.27s  remaining: 41.2s
150: learn: 0.1042768      total: 7.34s  remaining: 41.3s
151: learn: 0.1041214      total: 7.35s  remaining: 41s
152: learn: 0.1038773      total: 7.39s  remaining: 40.9s
153: learn: 0.1037269      total: 7.4s   remaining: 40.7s
154: learn: 0.1035177      total: 7.41s  remaining: 40.4s
155: learn: 0.1033528      total: 7.44s  remaining: 40.2s
156: learn: 0.1031540      total: 7.45s  remaining: 40s
157: learn: 0.1028280      total: 7.45s  remaining: 39.7s
158: learn: 0.1026591      total: 7.46s  remaining: 39.5s
159: learn: 0.1024460      total: 7.47s  remaining: 39.2s
160: learn: 0.1022862      total: 7.49s  remaining: 39s
161: learn: 0.1019121      total: 7.54s  remaining: 39s
162: learn: 0.1017584      total: 7.55s  remaining: 38.8s
163: learn: 0.1015723      total: 7.58s  remaining: 38.6s
164: learn: 0.1012577      total: 7.6s   remaining: 38.5s
165: learn: 0.1010556      total: 7.68s  remaining: 38.6s
166: learn: 0.1008560      total: 7.7s   remaining: 38.4s
167: learn: 0.1006094      total: 7.71s  remaining: 38.2s
168: learn: 0.1004380      total: 7.72s  remaining: 37.9s
169: learn: 0.1003202      total: 7.77s  remaining: 37.9s
170: learn: 0.1000008      total: 7.8s   remaining: 37.8s
171: learn: 0.0997971      total: 7.84s  remaining: 37.7s
172: learn: 0.0997003      total: 7.87s  remaining: 37.6s
173: learn: 0.0995694      total: 7.91s  remaining: 37.6s
174: learn: 0.0994191      total: 7.94s  remaining: 37.4s
175: learn: 0.0992171      total: 8.01s  remaining: 37.5s

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176: learn: 0.0990695    total: 8.03s  remaining: 37.3s
177: learn: 0.0989184    total: 8.05s  remaining: 37.2s
178: learn: 0.0986876    total: 8.07s  remaining: 37s
179: learn: 0.0985254    total: 8.15s  remaining: 37.1s
180: learn: 0.0983560    total: 8.22s  remaining: 37.2s
181: learn: 0.0981814    total: 8.27s  remaining: 37.2s
182: learn: 0.0979945    total: 8.31s  remaining: 37.1s
183: learn: 0.0978659    total: 8.32s  remaining: 36.9s
184: learn: 0.0976010    total: 8.33s  remaining: 36.7s
185: learn: 0.0973356    total: 8.36s  remaining: 36.6s
186: learn: 0.0971919    total: 8.37s  remaining: 36.4s
187: learn: 0.0970534    total: 8.4s   remaining: 36.3s
188: learn: 0.0968528    total: 8.44s  remaining: 36.2s
189: learn: 0.0967026    total: 8.46s  remaining: 36.1s
190: learn: 0.0965464    total: 8.5s   remaining: 36s
191: learn: 0.0962544    total: 8.52s  remaining: 35.9s
192: learn: 0.0960910    total: 8.54s  remaining: 35.7s
193: learn: 0.0959434    total: 8.56s  remaining: 35.6s
194: learn: 0.0957169    total: 8.58s  remaining: 35.4s
195: learn: 0.0955913    total: 8.66s  remaining: 35.5s
196: learn: 0.0953596    total: 8.7s   remaining: 35.5s
197: learn: 0.0952450    total: 8.76s  remaining: 35.5s
198: learn: 0.0949934    total: 8.79s  remaining: 35.4s
199: learn: 0.0947693    total: 8.8s   remaining: 35.2s
200: learn: 0.0945788    total: 8.81s  remaining: 35s
201: learn: 0.0943618    total: 8.82s  remaining: 34.8s
202: learn: 0.0942082    total: 8.83s  remaining: 34.7s
203: learn: 0.0940281    total: 8.89s  remaining: 34.7s
204: learn: 0.0937677    total: 8.92s  remaining: 34.6s
205: learn: 0.0935386    total: 8.95s  remaining: 34.5s
206: learn: 0.0933630    total: 8.97s  remaining: 34.4s
207: learn: 0.0931766    total: 9.01s  remaining: 34.3s
208: learn: 0.0930376    total: 9.06s  remaining: 34.3s
209: learn: 0.0928707    total: 9.07s  remaining: 34.1s
210: learn: 0.0926492    total: 9.08s  remaining: 34s
211: learn: 0.0925948    total: 9.14s  remaining: 34s
212: learn: 0.0924343    total: 9.22s  remaining: 34.1s
213: learn: 0.0923288    total: 9.23s  remaining: 33.9s
214: learn: 0.0922044    total: 9.26s  remaining: 33.8s
215: learn: 0.0920608    total: 9.27s  remaining: 33.6s
216: learn: 0.0919790    total: 9.33s  remaining: 33.7s
217: learn: 0.0918468    total: 9.34s  remaining: 33.5s
218: learn: 0.0917469    total: 9.38s  remaining: 33.5s
219: learn: 0.0914891    total: 9.4s   remaining: 33.3s
220: learn: 0.0913633    total: 9.43s  remaining: 33.2s
221: learn: 0.0909556    total: 9.46s  remaining: 33.1s
222: learn: 0.0908565    total: 9.47s  remaining: 33s
223: learn: 0.0907140    total: 9.5s   remaining: 32.9s
224: learn: 0.0905947    total: 9.55s  remaining: 32.9s
225: learn: 0.0905094    total: 9.6s   remaining: 32.9s
226: learn: 0.0902521    total: 9.62s  remaining: 32.7s
227: learn: 0.0900286    total: 9.63s  remaining: 32.6s
228: learn: 0.0899618    total: 9.67s  remaining: 32.6s
229: learn: 0.0898789    total: 9.71s  remaining: 32.5s
230: learn: 0.0896535    total: 9.76s  remaining: 32.5s
231: learn: 0.0894618    total: 9.78s  remaining: 32.4s
232: learn: 0.0892927    total: 9.84s  remaining: 32.4s
233: learn: 0.0892315    total: 9.87s  remaining: 32.3s
234: learn: 0.0891305    total: 9.89s  remaining: 32.2s
235: learn: 0.0890652    total: 9.89s  remaining: 32s
236: learn: 0.0890026    total: 9.94s  remaining: 32s
237: learn: 0.0888566    total: 9.96s  remaining: 31.9s
238: learn: 0.0885137    total: 9.98s  remaining: 31.8s
239: learn: 0.0884252    total: 10s   remaining: 31.7s

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240: learn: 0.0882886      total: 10s      remaining: 31.6s
241: learn: 0.0880975      total: 10.1s     remaining: 31.6s
242: learn: 0.0879189      total: 10.1s     remaining: 31.5s
243: learn: 0.0877939      total: 10.1s     remaining: 31.3s
244: learn: 0.0875463      total: 10.2s     remaining: 31.3s
245: learn: 0.0874061      total: 10.2s     remaining: 31.2s
246: learn: 0.0871829      total: 10.2s     remaining: 31.1s
247: learn: 0.0870541      total: 10.2s     remaining: 31s
248: learn: 0.0869003      total: 10.3s     remaining: 30.9s
249: learn: 0.0866706      total: 10.3s     remaining: 30.8s
250: learn: 0.0865004      total: 10.3s     remaining: 30.7s
251: learn: 0.0862759      total: 10.3s     remaining: 30.6s
252: learn: 0.0861040      total: 10.3s     remaining: 30.4s
253: learn: 0.0859153      total: 10.3s     remaining: 30.3s
254: learn: 0.0858741      total: 10.3s     remaining: 30.2s
255: learn: 0.0857044      total: 10.4s     remaining: 30.1s
256: learn: 0.0856228      total: 10.4s     remaining: 30s
257: learn: 0.0854470      total: 10.4s     remaining: 29.9s
258: learn: 0.0851822      total: 10.4s     remaining: 29.8s
259: learn: 0.0849398      total: 10.4s     remaining: 29.7s
260: learn: 0.0847469      total: 10.5s     remaining: 29.6s
261: learn: 0.0845934      total: 10.5s     remaining: 29.5s
262: learn: 0.0844375      total: 10.5s     remaining: 29.4s
263: learn: 0.0842786      total: 10.5s     remaining: 29.3s
264: learn: 0.0841524      total: 10.5s     remaining: 29.3s
265: learn: 0.0839688      total: 10.6s     remaining: 29.1s
266: learn: 0.0837382      total: 10.6s     remaining: 29s
267: learn: 0.0835817      total: 10.6s     remaining: 28.9s
107: learn: 0.1132204      total: 5.24s      remaining: 43.3s
108: learn: 0.1127639      total: 5.27s      remaining: 43.1s
109: learn: 0.1124314      total: 5.34s      remaining: 43.2s
110: learn: 0.1120293      total: 5.34s      remaining: 42.8s
111: learn: 0.1115662      total: 5.35s      remaining: 42.4s
112: learn: 0.1113145      total: 5.48s      remaining: 43s
113: learn: 0.1109768      total: 5.48s      remaining: 42.6s
114: learn: 0.1106567      total: 5.49s      remaining: 42.2s
115: learn: 0.1103070      total: 5.5s       remaining: 41.9s
116: learn: 0.1099993      total: 5.5s       remaining: 41.5s
117: learn: 0.1095521      total: 5.63s     remaining: 42.1s
118: learn: 0.1092918      total: 5.64s     remaining: 41.8s
119: learn: 0.1090440      total: 5.65s     remaining: 41.4s
120: learn: 0.1087612      total: 5.68s     remaining: 41.2s
121: learn: 0.1084680      total: 5.71s     remaining: 41.1s
122: learn: 0.1080959      total: 5.71s     remaining: 40.7s
123: learn: 0.1077869      total: 5.76s     remaining: 40.7s
124: learn: 0.1075169      total: 5.77s     remaining: 40.4s
125: learn: 0.1071935      total: 5.81s     remaining: 40.3s
126: learn: 0.1069909      total: 5.85s     remaining: 40.2s
127: learn: 0.1066497      total: 5.85s     remaining: 39.9s
128: learn: 0.1064172      total: 5.89s     remaining: 39.8s
129: learn: 0.1061970      total: 6.44s     remaining: 43.1s
130: learn: 0.1060087      total: 6.5s      remaining: 43.1s
131: learn: 0.1056664      total: 6.57s     remaining: 43.2s
132: learn: 0.1054388      total: 6.59s     remaining: 43s
133: learn: 0.1051952      total: 6.66s     remaining: 43s
134: learn: 0.1049192      total: 6.71s     remaining: 43s
135: learn: 0.1046209      total: 6.84s     remaining: 43.5s
136: learn: 0.1043654      total: 6.85s     remaining: 43.1s
137: learn: 0.1041468      total: 6.9s      remaining: 43.1s
138: learn: 0.1038413      total: 6.92s     remaining: 42.9s
139: learn: 0.1035401      total: 6.92s     remaining: 42.5s
140: learn: 0.1033187      total: 7.03s     remaining: 42.8s
141: learn: 0.1031189      total: 7.05s     remaining: 42.6s
142: learn: 0.1027947      total: 7.08s     remaining: 42.4s

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143: learn: 0.1025848    total: 7.1s    remaining: 42.2s
144: learn: 0.1023562    total: 7.14s   remaining: 42.1s
145: learn: 0.1021038    total: 7.19s   remaining: 42s
146: learn: 0.1019544    total: 7.26s   remaining: 42.1s
147: learn: 0.1017850    total: 7.28s   remaining: 41.9s
148: learn: 0.1014720    total: 7.3s    remaining: 41.7s
149: learn: 0.1012163    total: 7.31s   remaining: 41.4s
150: learn: 0.1009141    total: 7.39s   remaining: 41.5s
151: learn: 0.1006708    total: 7.43s   remaining: 41.4s
152: learn: 0.1004540    total: 7.43s   remaining: 41.1s
153: learn: 0.1002576    total: 7.45s   remaining: 40.9s
154: learn: 0.0999606    total: 7.46s   remaining: 40.6s
155: learn: 0.0997495    total: 7.46s   remaining: 40.4s
156: learn: 0.0995252    total: 7.47s   remaining: 40.1s
157: learn: 0.0992237    total: 7.48s   remaining: 39.9s
158: learn: 0.0990325    total: 7.48s   remaining: 39.6s
159: learn: 0.0988268    total: 7.5s    remaining: 39.4s
160: learn: 0.0985670    total: 7.57s   remaining: 39.5s
161: learn: 0.0983550    total: 7.58s   remaining: 39.2s
162: learn: 0.0980958    total: 7.61s   remaining: 39.1s
163: learn: 0.0978568    total: 7.63s   remaining: 38.9s
164: learn: 0.0975881    total: 7.63s   remaining: 38.6s
165: learn: 0.0974046    total: 7.67s   remaining: 38.5s
166: learn: 0.0972802    total: 7.69s   remaining: 38.4s
167: learn: 0.0971004    total: 7.71s   remaining: 38.2s
168: learn: 0.0969359    total: 7.75s   remaining: 38.1s
169: learn: 0.0967496    total: 7.79s   remaining: 38.1s
170: learn: 0.0965248    total: 7.84s   remaining: 38s
171: learn: 0.0963394    total: 7.86s   remaining: 37.9s
172: learn: 0.0961978    total: 7.89s   remaining: 37.7s
173: learn: 0.0960275    total: 7.96s   remaining: 37.8s
174: learn: 0.0958200    total: 8s      remaining: 37.7s
175: learn: 0.0956595    total: 8.08s  remaining: 37.9s
176: learn: 0.0954222    total: 8.1s    remaining: 37.7s
177: learn: 0.0953254    total: 8.15s  remaining: 37.6s
178: learn: 0.0950655    total: 8.31s  remaining: 38.1s
179: learn: 0.0948123    total: 8.39s  remaining: 38.2s
180: learn: 0.0946688    total: 8.41s  remaining: 38.1s
181: learn: 0.0944833    total: 8.44s  remaining: 37.9s
182: learn: 0.0943384    total: 8.47s  remaining: 37.8s
183: learn: 0.0941838    total: 8.5s   remaining: 37.7s
184: learn: 0.0940494    total: 8.53s  remaining: 37.6s
185: learn: 0.0937820    total: 8.58s  remaining: 37.6s
186: learn: 0.0936084    total: 8.59s  remaining: 37.4s
187: learn: 0.0933792    total: 8.64s  remaining: 37.3s
188: learn: 0.0932284    total: 8.68s  remaining: 37.2s
189: learn: 0.0931490    total: 8.74s  remaining: 37.3s
190: learn: 0.0929066    total: 8.76s  remaining: 37.1s
191: learn: 0.0927730    total: 8.83s  remaining: 37.2s
192: learn: 0.0926101    total: 8.85s  remaining: 37s
193: learn: 0.0925112    total: 8.87s  remaining: 36.8s
194: learn: 0.0923960    total: 8.89s  remaining: 36.7s
195: learn: 0.0922238    total: 8.96s  remaining: 36.7s
196: learn: 0.0920132    total: 8.96s  remaining: 36.5s
197: learn: 0.0918318    total: 9.02s  remaining: 36.5s
198: learn: 0.0917087    total: 9.04s  remaining: 36.4s
199: learn: 0.0915615    total: 9.07s  remaining: 36.3s
200: learn: 0.0913883    total: 9.09s  remaining: 36.1s
201: learn: 0.0912409    total: 9.1s   remaining: 35.9s
202: learn: 0.0911003    total: 9.15s  remaining: 35.9s
203: learn: 0.0909595    total: 9.17s  remaining: 35.8s
204: learn: 0.0907502    total: 9.18s  remaining: 35.6s
205: learn: 0.0905020    total: 9.2s   remaining: 35.5s
206: learn: 0.0904141    total: 9.21s  remaining: 35.3s

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207: learn: 0.0903268    total: 9.23s  remaining: 35.2s
208: learn: 0.0902066    total: 9.24s  remaining: 35s
209: learn: 0.0900448    total: 9.25s  remaining: 34.8s
210: learn: 0.0899098    total: 9.27s  remaining: 34.7s
211: learn: 0.0898040    total: 9.28s  remaining: 34.5s
212: learn: 0.0896126    total: 9.37s  remaining: 34.6s
213: learn: 0.0894600    total: 9.41s  remaining: 34.6s
214: learn: 0.0893721    total: 9.44s  remaining: 34.4s
215: learn: 0.0891880    total: 9.48s  remaining: 34.4s
216: learn: 0.0889820    total: 9.56s  remaining: 34.5s
217: learn: 0.0888490    total: 9.6s   remaining: 34.4s
218: learn: 0.0887581    total: 9.61s  remaining: 34.3s
219: learn: 0.0886359    total: 9.64s  remaining: 34.2s
220: learn: 0.0883622    total: 9.73s  remaining: 34.3s
221: learn: 0.0882263    total: 9.79s  remaining: 34.3s
222: learn: 0.0880368    total: 9.8s   remaining: 34.2s
223: learn: 0.0879528    total: 9.85s  remaining: 34.1s
224: learn: 0.0878894    total: 9.89s  remaining: 34.1s
225: learn: 0.0876426    total: 9.93s  remaining: 34s
226: learn: 0.0874597    total: 9.98s  remaining: 34s
227: learn: 0.0873272    total: 10s   remaining: 34s
228: learn: 0.0871112    total: 10s   remaining: 33.8s
229: learn: 0.0870361    total: 10s   remaining: 33.6s
230: learn: 0.0869428    total: 10.1s  remaining: 33.5s
231: learn: 0.0867720    total: 10.1s  remaining: 33.4s
232: learn: 0.0866527    total: 10.1s  remaining: 33.3s
233: learn: 0.0865065    total: 10.1s  remaining: 33.1s
234: learn: 0.0863179    total: 10.2s  remaining: 33s
235: learn: 0.0861179    total: 10.2s  remaining: 32.9s
236: learn: 0.0859483    total: 10.2s  remaining: 32.8s
237: learn: 0.0857798    total: 10.2s  remaining: 32.7s
238: learn: 0.0856431    total: 10.3s  remaining: 32.7s
239: learn: 0.0854197    total: 10.3s  remaining: 32.6s
240: learn: 0.0852056    total: 10.3s  remaining: 32.4s
241: learn: 0.0849466    total: 10.3s  remaining: 32.3s
242: learn: 0.0846721    total: 10.3s  remaining: 32.2s
243: learn: 0.0844886    total: 10.4s  remaining: 32.2s
244: learn: 0.0842997    total: 10.4s  remaining: 32.1s
245: learn: 0.0840912    total: 10.5s  remaining: 32s
246: learn: 0.0839468    total: 10.5s  remaining: 31.9s
247: learn: 0.0838353    total: 10.5s  remaining: 31.9s
248: learn: 0.0836540    total: 10.6s  remaining: 31.8s
249: learn: 0.0834412    total: 10.6s  remaining: 31.7s
250: learn: 0.0832522    total: 10.6s  remaining: 31.6s
251: learn: 0.0830523    total: 10.6s  remaining: 31.5s
252: learn: 0.0829277    total: 10.6s  remaining: 31.4s
253: learn: 0.0827861    total: 10.6s  remaining: 31.3s
254: learn: 0.0825707    total: 10.7s  remaining: 31.3s
255: learn: 0.0824849    total: 10.7s  remaining: 31.2s
256: learn: 0.0824062    total: 10.8s  remaining: 31.2s
257: learn: 0.0822783    total: 10.8s  remaining: 31.1s
258: learn: 0.0820937    total: 10.8s  remaining: 30.9s
259: learn: 0.0819659    total: 10.9s  remaining: 30.9s
260: learn: 0.0818094    total: 10.9s  remaining: 30.8s
261: learn: 0.0817671    total: 10.9s  remaining: 30.8s
262: learn: 0.0816846    total: 10.9s  remaining: 30.7s
263: learn: 0.0815482    total: 11s   remaining: 30.6s
264: learn: 0.0814589    total: 11s   remaining: 30.4s
107: learn: 0.1126485    total: 5.35s  remaining: 44.2s
108: learn: 0.1124187    total: 5.36s  remaining: 43.8s
109: learn: 0.1120832    total: 5.36s  remaining: 43.4s
110: learn: 0.1117012    total: 5.37s  remaining: 43s
111: learn: 0.1113624    total: 5.37s  remaining: 42.6s
112: learn: 0.1110052    total: 5.38s  remaining: 42.2s

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113: learn: 0.1106866      total: 5.41s  remaining: 42.1s
114: learn: 0.1102526      total: 5.45s  remaining: 42s
115: learn: 0.1099276      total: 5.49s  remaining: 41.9s
116: learn: 0.1096298      total: 5.52s  remaining: 41.6s
117: learn: 0.1092371      total: 5.58s  remaining: 41.7s
118: learn: 0.1089099      total: 5.65s  remaining: 41.8s
119: learn: 0.1086467      total: 5.66s  remaining: 41.5s
120: learn: 0.1082861      total: 5.67s  remaining: 41.2s
121: learn: 0.1079373      total: 5.75s  remaining: 41.4s
122: learn: 0.1076741      total: 5.75s  remaining: 41s
123: learn: 0.1074140      total: 5.76s  remaining: 40.7s
124: learn: 0.1071388      total: 5.84s  remaining: 40.9s
125: learn: 0.1068754      total: 5.84s  remaining: 40.5s
126: learn: 0.1066484      total: 5.87s  remaining: 40.4s
127: learn: 0.1065057      total: 5.92s  remaining: 40.3s
128: learn: 0.1062761      total: 5.93s  remaining: 40.1s
129: learn: 0.1060964      total: 6.23s  remaining: 41.7s
130: learn: 0.1058324      total: 6.35s  remaining: 42.1s
131: learn: 0.1055537      total: 6.39s  remaining: 42s
132: learn: 0.1051425      total: 6.43s  remaining: 41.9s
133: learn: 0.1048490      total: 6.59s  remaining: 42.6s
134: learn: 0.1046138      total: 6.66s  remaining: 42.7s
135: learn: 0.1043283      total: 6.74s  remaining: 42.8s
136: learn: 0.1041015      total: 6.8s   remaining: 42.8s
137: learn: 0.1039043      total: 6.85s  remaining: 42.8s
138: learn: 0.1038184      total: 6.94s  remaining: 43s
139: learn: 0.1036603      total: 7.05s  remaining: 43.3s
140: learn: 0.1035322      total: 7.06s  remaining: 43s
141: learn: 0.1032804      total: 7.06s  remaining: 42.7s
142: learn: 0.1031098      total: 7.08s  remaining: 42.4s
143: learn: 0.1028889      total: 7.12s  remaining: 42.4s
144: learn: 0.1026233      total: 7.13s  remaining: 42.1s
145: learn: 0.1025141      total: 7.14s  remaining: 41.8s
146: learn: 0.1023081      total: 7.15s  remaining: 41.5s
147: learn: 0.1020898      total: 7.19s  remaining: 41.4s
148: learn: 0.1018736      total: 7.2s   remaining: 41.1s
149: learn: 0.1016150      total: 7.2s   remaining: 40.8s
150: learn: 0.1014279      total: 7.26s  remaining: 40.8s
151: learn: 0.1013183      total: 7.27s  remaining: 40.6s
152: learn: 0.1010752      total: 7.31s  remaining: 40.5s
153: learn: 0.1008907      total: 7.34s  remaining: 40.3s
154: learn: 0.1007063      total: 7.37s  remaining: 40.2s
155: learn: 0.1005373      total: 7.39s  remaining: 40s
156: learn: 0.1004206      total: 7.43s  remaining: 39.9s
157: learn: 0.1001281      total: 7.49s  remaining: 39.9s
158: learn: 0.0998185      total: 7.57s  remaining: 40s
159: learn: 0.0996501      total: 7.59s  remaining: 39.8s
160: learn: 0.0995198      total: 7.6s   remaining: 39.6s
161: learn: 0.0993666      total: 7.62s  remaining: 39.4s
162: learn: 0.0991956      total: 7.65s  remaining: 39.3s
163: learn: 0.0989111      total: 7.72s  remaining: 39.4s
164: learn: 0.0985668      total: 7.73s  remaining: 39.1s
165: learn: 0.0983930      total: 7.79s  remaining: 39.2s
166: learn: 0.0981939      total: 7.83s  remaining: 39.1s
167: learn: 0.0980221      total: 7.83s  remaining: 38.8s
168: learn: 0.0978265      total: 7.89s  remaining: 38.8s
169: learn: 0.0976325      total: 7.96s  remaining: 38.9s
170: learn: 0.0974842      total: 7.99s  remaining: 38.7s
171: learn: 0.0972369      total: 8.04s  remaining: 38.7s
172: learn: 0.0971041      total: 8.05s  remaining: 38.5s
173: learn: 0.0969853      total: 8.12s  remaining: 38.5s
174: learn: 0.0967056      total: 8.15s  remaining: 38.4s
175: learn: 0.0965063      total: 8.17s  remaining: 38.2s
176: learn: 0.0963472      total: 8.2s   remaining: 38.1s

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177:	learn: 0.0960547	total: 8.22s	remaining: 38s
178:	learn: 0.0957938	total: 8.26s	remaining: 37.9s
179:	learn: 0.0956747	total: 8.26s	remaining: 37.6s
180:	learn: 0.0955608	total: 8.34s	remaining: 37.7s
181:	learn: 0.0954760	total: 8.36s	remaining: 37.6s
182:	learn: 0.0954230	total: 8.4s	remaining: 37.5s
183:	learn: 0.0952512	total: 8.42s	remaining: 37.3s
184:	learn: 0.0950724	total: 8.47s	remaining: 37.3s
185:	learn: 0.0949055	total: 8.48s	remaining: 37.1s
186:	learn: 0.0947403	total: 8.49s	remaining: 36.9s
187:	learn: 0.0946134	total: 8.5s	remaining: 36.7s
188:	learn: 0.0945499	total: 8.52s	remaining: 36.5s
189:	learn: 0.0943568	total: 8.57s	remaining: 36.6s
190:	learn: 0.0940895	total: 8.6s	remaining: 36.4s
191:	learn: 0.0939916	total: 8.6s	remaining: 36.2s
192:	learn: 0.0939004	total: 8.63s	remaining: 36.1s
193:	learn: 0.0936863	total: 8.64s	remaining: 35.9s
194:	learn: 0.0935137	total: 8.7s	remaining: 35.9s
195:	learn: 0.0933826	total: 8.73s	remaining: 35.8s
196:	learn: 0.0931379	total: 8.78s	remaining: 35.8s
197:	learn: 0.0929500	total: 8.84s	remaining: 35.8s
198:	learn: 0.0927980	total: 8.85s	remaining: 35.6s
199:	learn: 0.0926056	total: 8.9s	remaining: 35.6s
200:	learn: 0.0925263	total: 8.95s	remaining: 35.6s
201:	learn: 0.0924353	total: 9.04s	remaining: 35.7s
202:	learn: 0.0923409	total: 9.06s	remaining: 35.6s
203:	learn: 0.0922720	total: 9.12s	remaining: 35.6s
204:	learn: 0.0920539	total: 9.15s	remaining: 35.5s
205:	learn: 0.0919060	total: 9.17s	remaining: 35.3s
206:	learn: 0.0918493	total: 9.19s	remaining: 35.2s
207:	learn: 0.0917263	total: 9.22s	remaining: 35.1s
208:	learn: 0.0916403	total: 9.25s	remaining: 35s
209:	learn: 0.0914646	total: 9.29s	remaining: 35s
210:	learn: 0.0913590	total: 9.31s	remaining: 34.8s
211:	learn: 0.0912988	total: 9.34s	remaining: 34.7s
212:	learn: 0.0911643	total: 9.39s	remaining: 34.7s
213:	learn: 0.0910532	total: 9.43s	remaining: 34.6s
214:	learn: 0.0909316	total: 9.46s	remaining: 34.5s
215:	learn: 0.0908461	total: 9.5s	remaining: 34.5s
216:	learn: 0.0908028	total: 9.54s	remaining: 34.4s
217:	learn: 0.0906685	total: 9.6s	remaining: 34.4s
218:	learn: 0.0904396	total: 9.65s	remaining: 34.4s
219:	learn: 0.0903538	total: 9.7s	remaining: 34.4s
220:	learn: 0.0902135	total: 9.71s	remaining: 34.2s
221:	learn: 0.0900979	total: 9.72s	remaining: 34.1s
222:	learn: 0.0898512	total: 9.72s	remaining: 33.9s
223:	learn: 0.0897460	total: 9.73s	remaining: 33.7s
224:	learn: 0.0896723	total: 9.77s	remaining: 33.6s
225:	learn: 0.0894429	total: 9.8s	remaining: 33.6s
226:	learn: 0.0893024	total: 9.82s	remaining: 33.4s
227:	learn: 0.0892407	total: 9.83s	remaining: 33.3s
228:	learn: 0.0891128	total: 9.84s	remaining: 33.1s
229:	learn: 0.0889929	total: 9.88s	remaining: 33.1s
230:	learn: 0.0888596	total: 9.9s	remaining: 33s
231:	learn: 0.0886585	total: 9.92s	remaining: 32.8s
232:	learn: 0.0883624	total: 9.94s	remaining: 32.7s
233:	learn: 0.0881647	total: 9.97s	remaining: 32.6s
234:	learn: 0.0881103	total: 10s	remaining: 32.5s
235:	learn: 0.0879229	total: 10s	remaining: 32.4s
236:	learn: 0.0877607	total: 10s	remaining: 32.3s
237:	learn: 0.0875826	total: 10s	remaining: 32.2s
238:	learn: 0.0875308	total: 10.1s	remaining: 32.1s
239:	learn: 0.0874853	total: 10.1s	remaining: 32s
240:	learn: 0.0872897	total: 10.1s	remaining: 31.8s

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241: learn: 0.0872420    total: 10.1s  remaining: 31.7s
242: learn: 0.0872143    total: 10.2s  remaining: 31.6s
243: learn: 0.0871860    total: 10.2s  remaining: 31.6s
244: learn: 0.0869839    total: 10.2s  remaining: 31.5s
245: learn: 0.0869363    total: 10.2s  remaining: 31.4s
246: learn: 0.0867915    total: 10.3s  remaining: 31.3s
247: learn: 0.0867699    total: 10.3s  remaining: 31.2s
248: learn: 0.0865869    total: 10.3s  remaining: 31.2s
249: learn: 0.0863980    total: 10.4s  remaining: 31.1s
250: learn: 0.0863756    total: 10.4s  remaining: 31.1s
251: learn: 0.0862256    total: 10.4s  remaining: 30.9s
252: learn: 0.0860819    total: 10.5s  remaining: 30.9s
253: learn: 0.0860361    total: 10.5s  remaining: 30.8s
254: learn: 0.0858558    total: 10.5s  remaining: 30.8s
255: learn: 0.0856249    total: 10.6s  remaining: 30.7s
256: learn: 0.0854890    total: 10.6s  remaining: 30.7s
257: learn: 0.0852873    total: 10.7s  remaining: 30.6s
258: learn: 0.0852323    total: 10.7s  remaining: 30.7s
259: learn: 0.0852074    total: 10.8s  remaining: 30.7s
260: learn: 0.0849922    total: 10.8s  remaining: 30.6s
261: learn: 0.0849737    total: 10.8s  remaining: 30.5s
262: learn: 0.0848532    total: 10.8s  remaining: 30.4s
263: learn: 0.0845872    total: 10.9s  remaining: 30.3s
264: learn: 0.0843895    total: 10.9s  remaining: 30.2s
108: learn: 0.1155129    total: 6.06s  remaining: 49.6s
109: learn: 0.1150831    total: 6.07s  remaining: 49.1s
110: learn: 0.1148061    total: 6.2s   remaining: 49.6s
111: learn: 0.1145625    total: 6.24s  remaining: 49.5s
112: learn: 0.1141551    total: 6.24s  remaining: 49s
113: learn: 0.1137102    total: 6.28s  remaining: 48.8s
114: learn: 0.1133726    total: 6.28s  remaining: 48.4s
115: learn: 0.1130854    total: 6.34s  remaining: 48.3s
116: learn: 0.1128165    total: 6.36s  remaining: 48s
117: learn: 0.1124305    total: 6.37s  remaining: 47.6s
118: learn: 0.1121791    total: 6.37s  remaining: 47.2s
119: learn: 0.1117043    total: 6.41s  remaining: 47s
120: learn: 0.1113978    total: 6.41s  remaining: 46.6s
121: learn: 0.1111830    total: 6.48s  remaining: 46.6s
122: learn: 0.1108966    total: 6.48s  remaining: 46.2s
123: learn: 0.1106091    total: 6.49s  remaining: 45.9s
124: learn: 0.1102568    total: 6.53s  remaining: 45.7s
125: learn: 0.1099823    total: 6.54s  remaining: 45.3s
126: learn: 0.1097030    total: 6.58s  remaining: 45.2s
127: learn: 0.1093659    total: 6.58s  remaining: 44.8s
128: learn: 0.1090234    total: 6.61s  remaining: 44.6s
129: learn: 0.1087624    total: 6.75s  remaining: 45.2s
130: learn: 0.1085198    total: 6.81s  remaining: 45.2s
131: learn: 0.1083372    total: 6.86s  remaining: 45.1s
132: learn: 0.1081354    total: 6.94s  remaining: 45.2s
133: learn: 0.1079548    total: 7s     remaining: 45.2s
134: learn: 0.1077558    total: 7.06s  remaining: 45.3s
135: learn: 0.1074919    total: 7.09s  remaining: 45s
136: learn: 0.1072271    total: 7.15s  remaining: 45s
137: learn: 0.1069714    total: 7.21s  remaining: 45s
138: learn: 0.1067112    total: 7.26s  remaining: 45s
139: learn: 0.1064214    total: 7.29s  remaining: 44.8s
140: learn: 0.1063175    total: 7.37s  remaining: 44.9s
141: learn: 0.1060922    total: 7.42s  remaining: 44.8s
142: learn: 0.1058297    total: 7.51s  remaining: 45s
143: learn: 0.1056089    total: 7.52s  remaining: 44.7s
144: learn: 0.1053773    total: 7.55s  remaining: 44.5s
145: learn: 0.1052298    total: 7.56s  remaining: 44.2s
146: learn: 0.1050311    total: 7.57s  remaining: 43.9s
147: learn: 0.1048225    total: 7.6s   remaining: 43.8s

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148: learn: 0.1045757   total: 7.61s   remaining: 43.5s
149: learn: 0.1043458   total: 7.63s   remaining: 43.3s
150: learn: 0.1040967   total: 7.66s   remaining: 43.1s
151: learn: 0.1038043   total: 7.68s   remaining: 42.9s
152: learn: 0.1035611   total: 7.72s   remaining: 42.7s
153: learn: 0.1033632   total: 7.73s   remaining: 42.5s
154: learn: 0.1030854   total: 7.73s   remaining: 42.2s
155: learn: 0.1028972   total: 7.78s   remaining: 42.1s
156: learn: 0.1027693   total: 7.8s    remaining: 41.9s
157: learn: 0.1026079   total: 7.87s   remaining: 42s
158: learn: 0.1023989   total: 7.89s   remaining: 41.7s
159: learn: 0.1022314   total: 7.93s   remaining: 41.6s
160: learn: 0.1020423   total: 8s     remaining: 41.7s
161: learn: 0.1018833   total: 8.04s   remaining: 41.6s
162: learn: 0.1016456   total: 8.1s    remaining: 41.6s
163: learn: 0.1015191   total: 8.12s   remaining: 41.4s
164: learn: 0.1013879   total: 8.12s   remaining: 41.1s
165: learn: 0.1012536   total: 8.19s   remaining: 41.1s
166: learn: 0.1011076   total: 8.23s   remaining: 41.1s
167: learn: 0.1009782   total: 8.32s   remaining: 41.2s
168: learn: 0.1008296   total: 8.4s    remaining: 41.3s
169: learn: 0.1007383   total: 8.48s   remaining: 41.4s
170: learn: 0.1005117   total: 8.53s   remaining: 41.4s
171: learn: 0.1002924   total: 8.59s   remaining: 41.3s
172: learn: 0.1000316   total: 8.61s   remaining: 41.2s
173: learn: 0.0998656   total: 8.64s   remaining: 41s
174: learn: 0.0996676   total: 8.7s    remaining: 41s
175: learn: 0.0995063   total: 8.76s   remaining: 41s
176: learn: 0.0994082   total: 8.77s   remaining: 40.8s
177: learn: 0.0991995   total: 8.85s   remaining: 40.9s
178: learn: 0.0990603   total: 8.89s   remaining: 40.8s
179: learn: 0.0988605   total: 8.91s   remaining: 40.6s
180: learn: 0.0988176   total: 8.94s   remaining: 40.4s
181: learn: 0.0986613   total: 8.95s   remaining: 40.2s
182: learn: 0.0984901   total: 9s     remaining: 40.2s
183: learn: 0.0983669   total: 9.01s   remaining: 40s
184: learn: 0.0982462   total: 9.06s   remaining: 39.9s
185: learn: 0.0981065   total: 9.06s   remaining: 39.7s
186: learn: 0.0979146   total: 9.07s   remaining: 39.4s
187: learn: 0.0977898   total: 9.09s   remaining: 39.3s
188: learn: 0.0976604   total: 9.1s    remaining: 39.1s
189: learn: 0.0974605   total: 9.14s   remaining: 39s
190: learn: 0.0972935   total: 9.16s   remaining: 38.8s
191: learn: 0.0972000   total: 9.25s   remaining: 38.9s
192: learn: 0.0970143   total: 9.25s   remaining: 38.7s
193: learn: 0.0968611   total: 9.28s   remaining: 38.6s
194: learn: 0.0967595   total: 9.31s   remaining: 38.5s
195: learn: 0.0966404   total: 9.34s   remaining: 38.3s
196: learn: 0.0964786   total: 9.36s   remaining: 38.2s
197: learn: 0.0963469   total: 9.37s   remaining: 37.9s
198: learn: 0.0962899   total: 9.43s   remaining: 38s
199: learn: 0.0961265   total: 9.5s    remaining: 38s
200: learn: 0.0960012   total: 9.56s   remaining: 38s
201: learn: 0.0958862   total: 9.62s   remaining: 38s
202: learn: 0.0957730   total: 9.63s   remaining: 37.8s
203: learn: 0.0956697   total: 9.66s   remaining: 37.7s
204: learn: 0.0955393   total: 9.67s   remaining: 37.5s
205: learn: 0.0953200   total: 9.69s   remaining: 37.4s
206: learn: 0.0951953   total: 9.72s   remaining: 37.2s
207: learn: 0.0950310   total: 9.74s   remaining: 37.1s
208: learn: 0.0949239   total: 9.78s   remaining: 37s
209: learn: 0.0947448   total: 9.81s   remaining: 36.9s
210: learn: 0.0945597   total: 9.84s   remaining: 36.8s
211: learn: 0.0943899   total: 9.87s   remaining: 36.7s

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212: learn: 0.0942186      total: 9.91s    remaining: 36.6s
213: learn: 0.0941474      total: 10s       remaining: 36.8s
214: learn: 0.0940179      total: 10s       remaining: 36.7s
215: learn: 0.0939289      total: 10.1s     remaining: 36.8s
216: learn: 0.0937552      total: 10.2s     remaining: 36.8s
217: learn: 0.0936831      total: 10.3s     remaining: 36.8s
218: learn: 0.0935171      total: 10.3s     remaining: 36.6s
219: learn: 0.0934252      total: 10.3s     remaining: 36.4s
220: learn: 0.0932914      total: 10.3s     remaining: 36.3s
221: learn: 0.0932664      total: 10.3s     remaining: 36.2s
222: learn: 0.0930953      total: 10.3s     remaining: 36.1s
223: learn: 0.0930109      total: 10.4s     remaining: 35.9s
224: learn: 0.0929126      total: 10.4s     remaining: 35.8s
225: learn: 0.0928652      total: 10.4s     remaining: 35.6s
226: learn: 0.0926967      total: 10.4s     remaining: 35.5s
227: learn: 0.0925837      total: 10.4s     remaining: 35.4s
228: learn: 0.0924631      total: 10.5s     remaining: 35.3s
229: learn: 0.0922847      total: 10.5s     remaining: 35.1s
230: learn: 0.0921768      total: 10.5s     remaining: 35s
231: learn: 0.0920434      total: 10.6s     remaining: 34.9s
232: learn: 0.0918512      total: 10.6s     remaining: 34.8s
233: learn: 0.0916250      total: 10.6s     remaining: 34.7s
234: learn: 0.0914771      total: 10.6s     remaining: 34.6s
235: learn: 0.0912993      total: 10.6s     remaining: 34.4s
236: learn: 0.0912195      total: 10.7s     remaining: 34.4s
237: learn: 0.0911925      total: 10.7s     remaining: 34.2s
238: learn: 0.0911663      total: 10.7s     remaining: 34.1s
239: learn: 0.0910056      total: 10.7s     remaining: 34s
240: learn: 0.0909019      total: 10.7s     remaining: 33.9s
241: learn: 0.0908134      total: 10.8s     remaining: 33.8s
242: learn: 0.0905811      total: 10.8s     remaining: 33.6s
243: learn: 0.0904380      total: 10.9s     remaining: 33.6s
244: learn: 0.0904048      total: 10.9s     remaining: 33.5s
245: learn: 0.0903360      total: 10.9s     remaining: 33.4s
246: learn: 0.0901760      total: 11s       remaining: 33.4s
247: learn: 0.0901063      total: 11s       remaining: 33.4s
248: learn: 0.0898870      total: 11s       remaining: 33.2s
249: learn: 0.0898363      total: 11.1s     remaining: 33.2s
250: learn: 0.0897805      total: 11.1s     remaining: 33.2s
251: learn: 0.0897007      total: 11.1s     remaining: 33.1s
252: learn: 0.0896652      total: 11.2s     remaining: 33s
253: learn: 0.0895487      total: 11.2s     remaining: 32.9s
254: learn: 0.0894502      total: 11.2s     remaining: 32.8s
255: learn: 0.0892617      total: 11.3s     remaining: 32.7s
256: learn: 0.0892114      total: 11.3s     remaining: 32.7s
257: learn: 0.0890060      total: 11.3s     remaining: 32.6s
258: learn: 0.0888073      total: 11.3s     remaining: 32.4s
259: learn: 0.0886123      total: 11.3s     remaining: 32.3s
260: learn: 0.0884043      total: 11.4s     remaining: 32.2s
261: learn: 0.0882623      total: 11.4s     remaining: 32.1s
262: learn: 0.0880611      total: 11.4s     remaining: 32.1s
263: learn: 0.0878757      total: 11.5s     remaining: 32s
264: learn: 0.0876970      total: 11.5s     remaining: 32s
265: learn: 0.0875753      total: 11.5s     remaining: 31.9s
268: learn: 0.0834817      total: 10.6s     remaining: 28.8s
269: learn: 0.0833413      total: 10.6s     remaining: 28.7s
270: learn: 0.0831176      total: 10.7s     remaining: 28.7s
271: learn: 0.0829512      total: 10.7s     remaining: 28.6s
272: learn: 0.0828706      total: 10.7s     remaining: 28.6s
273: learn: 0.0827142      total: 10.7s     remaining: 28.4s
274: learn: 0.0824880      total: 10.8s     remaining: 28.4s
275: learn: 0.0822976      total: 10.8s     remaining: 28.3s
276: learn: 0.0821934      total: 10.8s     remaining: 28.3s
277: learn: 0.0820629      total: 10.9s     remaining: 28.3s

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278: learn: 0.0820142    total: 10.9s  remaining: 28.2s
279: learn: 0.0818531    total: 11s   remaining: 28.2s
280: learn: 0.0818235    total: 11s   remaining: 28.1s
281: learn: 0.0816103    total: 11s   remaining: 28.1s
282: learn: 0.0814461    total: 11s   remaining: 28s
283: learn: 0.0813292    total: 11.1s  remaining: 28s
284: learn: 0.0811283    total: 11.2s  remaining: 28s
285: learn: 0.0809962    total: 11.2s  remaining: 27.9s
286: learn: 0.0809579    total: 11.3s  remaining: 28s
287: learn: 0.0808038    total: 11.3s  remaining: 27.8s
288: learn: 0.0806828    total: 11.3s  remaining: 27.8s
289: learn: 0.0804945    total: 11.3s  remaining: 27.7s
290: learn: 0.0803922    total: 11.3s  remaining: 27.7s
291: learn: 0.0802483    total: 11.4s  remaining: 27.6s
292: learn: 0.0800980    total: 11.4s  remaining: 27.6s
293: learn: 0.0798840    total: 11.4s  remaining: 27.5s
294: learn: 0.0796895    total: 11.4s  remaining: 27.4s
295: learn: 0.0795276    total: 11.5s  remaining: 27.4s
296: learn: 0.0793773    total: 11.5s  remaining: 27.3s
297: learn: 0.0792386    total: 11.6s  remaining: 27.2s
298: learn: 0.0791535    total: 11.6s  remaining: 27.1s
299: learn: 0.0789801    total: 11.6s  remaining: 27.1s
300: learn: 0.0788788    total: 11.6s  remaining: 27s
301: learn: 0.0787173    total: 11.7s  remaining: 26.9s
302: learn: 0.0785593    total: 11.7s  remaining: 26.9s
303: learn: 0.0784342    total: 11.8s  remaining: 26.9s
304: learn: 0.0783344    total: 11.8s  remaining: 26.8s
305: learn: 0.0781923    total: 11.8s  remaining: 26.8s
306: learn: 0.0780384    total: 11.9s  remaining: 26.8s
307: learn: 0.0779583    total: 11.9s  remaining: 26.8s
308: learn: 0.0777736    total: 11.9s  remaining: 26.6s
309: learn: 0.0776366    total: 12s   remaining: 26.6s
310: learn: 0.0775192    total: 12s   remaining: 26.6s
311: learn: 0.0774921    total: 12.1s  remaining: 26.6s
312: learn: 0.0773593    total: 12.1s  remaining: 26.6s
313: learn: 0.0773429    total: 12.1s  remaining: 26.5s
314: learn: 0.0773268    total: 12.1s  remaining: 26.4s
315: learn: 0.0771942    total: 12.2s  remaining: 26.3s
316: learn: 0.0770780    total: 12.2s  remaining: 26.2s
317: learn: 0.0769797    total: 12.2s  remaining: 26.2s
318: learn: 0.0767622    total: 12.2s  remaining: 26.1s
319: learn: 0.0766071    total: 12.3s  remaining: 26s
320: learn: 0.0764964    total: 12.3s  remaining: 26s
321: learn: 0.0764710    total: 12.3s  remaining: 26s
322: learn: 0.0763898    total: 12.4s  remaining: 25.9s
323: learn: 0.0763167    total: 12.4s  remaining: 25.9s
324: learn: 0.0762994    total: 12.4s  remaining: 25.8s
325: learn: 0.0761305    total: 12.5s  remaining: 25.8s
326: learn: 0.0759558    total: 12.5s  remaining: 25.8s
327: learn: 0.0758728    total: 12.5s  remaining: 25.7s
328: learn: 0.0757625    total: 12.6s  remaining: 25.7s
329: learn: 0.0756838    total: 12.7s  remaining: 25.7s
330: learn: 0.0755942    total: 12.7s  remaining: 25.7s
331: learn: 0.0754589    total: 12.7s  remaining: 25.6s
332: learn: 0.0753521    total: 12.7s  remaining: 25.5s
333: learn: 0.0751980    total: 12.8s  remaining: 25.5s
334: learn: 0.0750928    total: 12.8s  remaining: 25.5s
335: learn: 0.0749656    total: 13s   remaining: 25.6s
336: learn: 0.0748088    total: 13s   remaining: 25.6s
337: learn: 0.0746481    total: 13s   remaining: 25.5s
338: learn: 0.0745266    total: 13.1s  remaining: 25.5s
339: learn: 0.0745100    total: 13.1s  remaining: 25.5s
340: learn: 0.0743582    total: 13.2s  remaining: 25.4s
341: learn: 0.0741887    total: 13.2s  remaining: 25.4s

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342: learn: 0.0740034    total: 13.2s  remaining: 25.3s
343: learn: 0.0738519    total: 13.2s  remaining: 25.3s
344: learn: 0.0737741    total: 13.3s  remaining: 25.2s
345: learn: 0.0736807    total: 13.3s  remaining: 25.2s
346: learn: 0.0735456    total: 13.3s  remaining: 25.1s
347: learn: 0.0734688    total: 13.4s  remaining: 25.1s
348: learn: 0.0733608    total: 13.4s  remaining: 25s
349: learn: 0.0732258    total: 13.4s  remaining: 24.9s
350: learn: 0.0729960    total: 13.4s  remaining: 24.8s
351: learn: 0.0728300    total: 13.4s  remaining: 24.8s
352: learn: 0.0726801    total: 13.5s  remaining: 24.7s
353: learn: 0.0725985    total: 13.5s  remaining: 24.6s
354: learn: 0.0725169    total: 13.5s  remaining: 24.6s
355: learn: 0.0723668    total: 13.5s  remaining: 24.5s
356: learn: 0.0723046    total: 13.6s  remaining: 24.4s
357: learn: 0.0722712    total: 13.6s  remaining: 24.3s
358: learn: 0.0722528    total: 13.6s  remaining: 24.3s
359: learn: 0.0720973    total: 13.6s  remaining: 24.2s
360: learn: 0.0719838    total: 13.7s  remaining: 24.2s
361: learn: 0.0718821    total: 13.7s  remaining: 24.1s
362: learn: 0.0717337    total: 13.7s  remaining: 24.1s
363: learn: 0.0716540    total: 13.7s  remaining: 24s
364: learn: 0.0715074    total: 13.8s  remaining: 24s
365: learn: 0.0714841    total: 13.8s  remaining: 23.9s
366: learn: 0.0714002    total: 13.8s  remaining: 23.9s
367: learn: 0.0713841    total: 13.9s  remaining: 23.8s
368: learn: 0.0712656    total: 13.9s  remaining: 23.8s
369: learn: 0.0711406    total: 13.9s  remaining: 23.7s
370: learn: 0.0710182    total: 14s    remaining: 23.7s
371: learn: 0.0709069    total: 14s    remaining: 23.6s
372: learn: 0.0708916    total: 14.1s  remaining: 23.6s
373: learn: 0.0708118    total: 14.1s  remaining: 23.5s
374: learn: 0.0706685    total: 14.1s  remaining: 23.4s
375: learn: 0.0706452    total: 14.1s  remaining: 23.4s
376: learn: 0.0705202    total: 14.1s  remaining: 23.4s
377: learn: 0.0703635    total: 14.2s  remaining: 23.3s
378: learn: 0.0702512    total: 14.2s  remaining: 23.3s
379: learn: 0.0701770    total: 14.2s  remaining: 23.2s
380: learn: 0.0701255    total: 14.3s  remaining: 23.2s
381: learn: 0.0701106    total: 14.3s  remaining: 23.1s
382: learn: 0.0699768    total: 14.3s  remaining: 23s
383: learn: 0.0699582    total: 14.3s  remaining: 22.9s
384: learn: 0.0698615    total: 14.3s  remaining: 22.9s
385: learn: 0.0697287    total: 14.3s  remaining: 22.8s
386: learn: 0.0696598    total: 14.4s  remaining: 22.8s
387: learn: 0.0695345    total: 14.4s  remaining: 22.7s
388: learn: 0.0694332    total: 14.4s  remaining: 22.6s
389: learn: 0.0693658    total: 14.4s  remaining: 22.6s
390: learn: 0.0692630    total: 14.5s  remaining: 22.5s
391: learn: 0.0692055    total: 14.5s  remaining: 22.5s
392: learn: 0.0691240    total: 14.5s  remaining: 22.4s
393: learn: 0.0691130    total: 14.5s  remaining: 22.4s
394: learn: 0.0689760    total: 14.6s  remaining: 22.3s
395: learn: 0.0689617    total: 14.6s  remaining: 22.3s
396: learn: 0.0688686    total: 14.6s  remaining: 22.2s
397: learn: 0.0687422    total: 14.6s  remaining: 22.1s
398: learn: 0.0686782    total: 14.6s  remaining: 22.1s
399: learn: 0.0685323    total: 14.7s  remaining: 22s
400: learn: 0.0684082    total: 14.7s  remaining: 21.9s
401: learn: 0.0682533    total: 14.7s  remaining: 21.9s
402: learn: 0.0681227    total: 14.7s  remaining: 21.8s
403: learn: 0.0679932    total: 14.8s  remaining: 21.8s
404: learn: 0.0678703    total: 14.8s  remaining: 21.7s
405: learn: 0.0677935    total: 14.8s  remaining: 21.6s

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406:	learn: 0.0677479	total: 14.8s	remaining: 21.6s
407:	learn: 0.0676301	total: 14.8s	remaining: 21.5s
408:	learn: 0.0675263	total: 14.9s	remaining: 21.5s
409:	learn: 0.0674150	total: 14.9s	remaining: 21.5s
410:	learn: 0.0672861	total: 14.9s	remaining: 21.4s
411:	learn: 0.0671869	total: 15s	remaining: 21.3s
412:	learn: 0.0671281	total: 15s	remaining: 21.3s
413:	learn: 0.0670498	total: 15s	remaining: 21.2s
414:	learn: 0.0669739	total: 15s	remaining: 21.2s
415:	learn: 0.0668981	total: 15.1s	remaining: 21.1s
416:	learn: 0.0667895	total: 15.1s	remaining: 21.1s
417:	learn: 0.0666938	total: 15.1s	remaining: 21s
418:	learn: 0.0665598	total: 15.1s	remaining: 21s
419:	learn: 0.0664774	total: 15.1s	remaining: 20.9s
420:	learn: 0.0664598	total: 15.2s	remaining: 20.9s
421:	learn: 0.0663861	total: 15.2s	remaining: 20.8s
422:	learn: 0.0663252	total: 15.3s	remaining: 20.8s
423:	learn: 0.0662902	total: 15.3s	remaining: 20.7s
424:	learn: 0.0662242	total: 15.3s	remaining: 20.7s
425:	learn: 0.0661450	total: 15.3s	remaining: 20.6s
265:	learn: 0.0814274	total: 11s	remaining: 30.3s
266:	learn: 0.0813117	total: 11.1s	remaining: 30.4s
267:	learn: 0.0811985	total: 11.1s	remaining: 30.4s
268:	learn: 0.0810633	total: 11.2s	remaining: 30.4s
269:	learn: 0.0808863	total: 11.2s	remaining: 30.3s
270:	learn: 0.0807483	total: 11.2s	remaining: 30.2s
271:	learn: 0.0806380	total: 11.3s	remaining: 30.1s
272:	learn: 0.0805342	total: 11.3s	remaining: 30s
273:	learn: 0.0803725	total: 11.3s	remaining: 29.9s
274:	learn: 0.0802869	total: 11.3s	remaining: 29.8s
275:	learn: 0.0801718	total: 11.3s	remaining: 29.7s
276:	learn: 0.0800607	total: 11.3s	remaining: 29.6s
277:	learn: 0.0798539	total: 11.3s	remaining: 29.5s
278:	learn: 0.0797034	total: 11.4s	remaining: 29.5s
279:	learn: 0.0795861	total: 11.4s	remaining: 29.4s
280:	learn: 0.0794985	total: 11.4s	remaining: 29.3s
281:	learn: 0.0794146	total: 11.5s	remaining: 29.2s
282:	learn: 0.0792994	total: 11.5s	remaining: 29.1s
283:	learn: 0.0792157	total: 11.5s	remaining: 29s
284:	learn: 0.0790457	total: 11.5s	remaining: 28.9s
285:	learn: 0.0788778	total: 11.5s	remaining: 28.8s
286:	learn: 0.0787277	total: 11.6s	remaining: 28.8s
287:	learn: 0.0785930	total: 11.6s	remaining: 28.7s
288:	learn: 0.0784666	total: 11.7s	remaining: 28.7s
289:	learn: 0.0782800	total: 11.7s	remaining: 28.7s
290:	learn: 0.0781322	total: 11.7s	remaining: 28.6s
291:	learn: 0.0780229	total: 11.8s	remaining: 28.5s
292:	learn: 0.0778795	total: 11.8s	remaining: 28.4s
293:	learn: 0.0777725	total: 11.8s	remaining: 28.4s
294:	learn: 0.0776337	total: 11.8s	remaining: 28.3s
295:	learn: 0.0774877	total: 11.9s	remaining: 28.2s
296:	learn: 0.0774218	total: 11.9s	remaining: 28.2s
297:	learn: 0.0772843	total: 11.9s	remaining: 28.1s
298:	learn: 0.0770874	total: 11.9s	remaining: 28s
299:	learn: 0.0770136	total: 12s	remaining: 27.9s
300:	learn: 0.0769205	total: 12s	remaining: 27.8s
301:	learn: 0.0767587	total: 12s	remaining: 27.7s
302:	learn: 0.0766433	total: 12s	remaining: 27.6s
303:	learn: 0.0764734	total: 12.1s	remaining: 27.6s
304:	learn: 0.0763675	total: 12.1s	remaining: 27.5s
305:	learn: 0.0762452	total: 12.1s	remaining: 27.5s
306:	learn: 0.0761135	total: 12.2s	remaining: 27.5s
307:	learn: 0.0760568	total: 12.2s	remaining: 27.5s
308:	learn: 0.0758804	total: 12.2s	remaining: 27.3s

309:	learn: 0.0757743	total: 12.3s	remaining: 27.3s
310:	learn: 0.0755992	total: 12.3s	remaining: 27.2s
311:	learn: 0.0755181	total: 12.3s	remaining: 27.1s
312:	learn: 0.0754274	total: 12.3s	remaining: 27.1s
313:	learn: 0.0752600	total: 12.4s	remaining: 27s
314:	learn: 0.0751659	total: 12.4s	remaining: 26.9s
315:	learn: 0.0750347	total: 12.4s	remaining: 26.8s
316:	learn: 0.0749653	total: 12.4s	remaining: 26.7s
317:	learn: 0.0748508	total: 12.5s	remaining: 26.7s
318:	learn: 0.0746632	total: 12.5s	remaining: 26.6s
319:	learn: 0.0745316	total: 12.5s	remaining: 26.5s
320:	learn: 0.0744098	total: 12.5s	remaining: 26.5s
321:	learn: 0.0742664	total: 12.6s	remaining: 26.5s
322:	learn: 0.0741606	total: 12.6s	remaining: 26.4s
323:	learn: 0.0740093	total: 12.6s	remaining: 26.3s
324:	learn: 0.0738760	total: 12.7s	remaining: 26.3s
325:	learn: 0.0737507	total: 12.7s	remaining: 26.3s
326:	learn: 0.0737305	total: 12.7s	remaining: 26.2s
327:	learn: 0.0736784	total: 12.8s	remaining: 26.2s
328:	learn: 0.0735335	total: 12.8s	remaining: 26.1s
329:	learn: 0.0734278	total: 12.9s	remaining: 26.1s
330:	learn: 0.0733539	total: 12.9s	remaining: 26.1s
331:	learn: 0.0733079	total: 12.9s	remaining: 26s
332:	learn: 0.0732340	total: 13s	remaining: 26s
333:	learn: 0.0730177	total: 13.1s	remaining: 26.2s
334:	learn: 0.0728512	total: 13.1s	remaining: 26.1s
335:	learn: 0.0727530	total: 13.2s	remaining: 26.1s
336:	learn: 0.0726228	total: 13.2s	remaining: 26s
337:	learn: 0.0725278	total: 13.3s	remaining: 26s
338:	learn: 0.0724402	total: 13.3s	remaining: 26s
339:	learn: 0.0723259	total: 13.4s	remaining: 25.9s
340:	learn: 0.0721792	total: 13.4s	remaining: 25.9s
341:	learn: 0.0720558	total: 13.4s	remaining: 25.8s
342:	learn: 0.0719373	total: 13.4s	remaining: 25.7s
343:	learn: 0.0718230	total: 13.4s	remaining: 25.6s
344:	learn: 0.0716570	total: 13.4s	remaining: 25.5s
345:	learn: 0.0715556	total: 13.4s	remaining: 25.4s
346:	learn: 0.0714398	total: 13.5s	remaining: 25.3s
347:	learn: 0.0713672	total: 13.5s	remaining: 25.2s
348:	learn: 0.0712169	total: 13.5s	remaining: 25.2s
349:	learn: 0.0711055	total: 13.5s	remaining: 25.1s
350:	learn: 0.0709488	total: 13.6s	remaining: 25.1s
351:	learn: 0.0707805	total: 13.6s	remaining: 25s
352:	learn: 0.0706356	total: 13.6s	remaining: 25s
353:	learn: 0.0705194	total: 13.7s	remaining: 25s
354:	learn: 0.0704093	total: 13.7s	remaining: 24.9s
355:	learn: 0.0703454	total: 13.8s	remaining: 24.9s
356:	learn: 0.0702635	total: 13.9s	remaining: 25s
357:	learn: 0.0701557	total: 13.9s	remaining: 24.9s
358:	learn: 0.0700957	total: 14s	remaining: 24.9s
359:	learn: 0.0699659	total: 14s	remaining: 24.9s
360:	learn: 0.0698481	total: 14.1s	remaining: 24.9s
361:	learn: 0.0697967	total: 14.1s	remaining: 24.8s
362:	learn: 0.0696844	total: 14.1s	remaining: 24.7s
363:	learn: 0.0695059	total: 14.1s	remaining: 24.7s
364:	learn: 0.0693750	total: 14.2s	remaining: 24.6s
365:	learn: 0.0692671	total: 14.2s	remaining: 24.6s
366:	learn: 0.0691520	total: 14.2s	remaining: 24.5s
367:	learn: 0.0690398	total: 14.2s	remaining: 24.4s
368:	learn: 0.0689464	total: 14.3s	remaining: 24.4s
369:	learn: 0.0688334	total: 14.3s	remaining: 24.4s
370:	learn: 0.0687667	total: 14.4s	remaining: 24.3s
371:	learn: 0.0686536	total: 14.4s	remaining: 24.3s
372:	learn: 0.0685266	total: 14.4s	remaining: 24.2s

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373: learn: 0.0683797      total: 14.4s  remaining: 24.1s
374: learn: 0.0682701      total: 14.4s  remaining: 24.1s
375: learn: 0.0682154      total: 14.5s  remaining: 24s
376: learn: 0.0681387      total: 14.5s  remaining: 24s
377: learn: 0.0680468      total: 14.5s  remaining: 23.9s
378: learn: 0.0679421      total: 14.5s  remaining: 23.8s
379: learn: 0.0678004      total: 14.6s  remaining: 23.8s
380: learn: 0.0676853      total: 14.6s  remaining: 23.7s
381: learn: 0.0675715      total: 14.6s  remaining: 23.6s
382: learn: 0.0674734      total: 14.6s  remaining: 23.5s
383: learn: 0.0673685      total: 14.6s  remaining: 23.5s
384: learn: 0.0672470      total: 14.7s  remaining: 23.4s
385: learn: 0.0671164      total: 14.7s  remaining: 23.3s
386: learn: 0.0670287      total: 14.7s  remaining: 23.3s
387: learn: 0.0668770      total: 14.7s  remaining: 23.2s
388: learn: 0.0667593      total: 14.7s  remaining: 23.1s
389: learn: 0.0666627      total: 14.8s  remaining: 23.1s
390: learn: 0.0665677      total: 14.8s  remaining: 23s
391: learn: 0.0664790      total: 14.8s  remaining: 22.9s
392: learn: 0.0663791      total: 14.8s  remaining: 22.9s
393: learn: 0.0662903      total: 14.8s  remaining: 22.8s
394: learn: 0.0661592      total: 14.8s  remaining: 22.7s
395: learn: 0.0661136      total: 14.9s  remaining: 22.7s
396: learn: 0.0659715      total: 14.9s  remaining: 22.6s
397: learn: 0.0659163      total: 14.9s  remaining: 22.6s
398: learn: 0.0659047      total: 14.9s  remaining: 22.5s
399: learn: 0.0658546      total: 15s    remaining: 22.4s
400: learn: 0.0657411      total: 15s    remaining: 22.4s
401: learn: 0.0656781      total: 15s    remaining: 22.4s
402: learn: 0.0655908      total: 15s    remaining: 22.3s
403: learn: 0.0654460      total: 15s    remaining: 22.2s
404: learn: 0.0653614      total: 15.1s   remaining: 22.1s
405: learn: 0.0653365      total: 15.1s   remaining: 22.1s
406: learn: 0.0652659      total: 15.1s   remaining: 22s
407: learn: 0.0651687      total: 15.1s   remaining: 22s
408: learn: 0.0650857      total: 15.2s   remaining: 22s
409: learn: 0.0649749      total: 15.3s   remaining: 22s
410: learn: 0.0648803      total: 15.3s   remaining: 21.9s
411: learn: 0.0647635      total: 15.4s   remaining: 21.9s
412: learn: 0.0647205      total: 15.4s   remaining: 22s
413: learn: 0.0646075      total: 15.5s   remaining: 21.9s
414: learn: 0.0644545      total: 15.5s   remaining: 21.9s
415: learn: 0.0644445      total: 15.5s   remaining: 21.8s
416: learn: 0.0643010      total: 15.5s   remaining: 21.7s
417: learn: 0.0641734      total: 15.5s   remaining: 21.6s
418: learn: 0.0641450      total: 15.6s   remaining: 21.6s
419: learn: 0.0640606      total: 15.6s   remaining: 21.5s
420: learn: 0.0639516      total: 15.6s   remaining: 21.5s
421: learn: 0.0638433      total: 15.6s   remaining: 21.4s
422: learn: 0.0637249      total: 15.7s   remaining: 21.3s
265: learn: 0.0842098      total: 10.9s   remaining: 30.1s
266: learn: 0.0841082      total: 11s     remaining: 30.1s
267: learn: 0.0839329      total: 11s     remaining: 30s
268: learn: 0.0838965      total: 11s     remaining: 30s
269: learn: 0.0836782      total: 11s     remaining: 29.9s
270: learn: 0.0835601      total: 11.1s   remaining: 29.8s
271: learn: 0.0834389      total: 11.1s   remaining: 29.8s
272: learn: 0.0833798      total: 11.1s   remaining: 29.7s
273: learn: 0.0832196      total: 11.2s   remaining: 29.6s
274: learn: 0.0831026      total: 11.2s   remaining: 29.5s
275: learn: 0.0829723      total: 11.2s   remaining: 29.4s
276: learn: 0.0828374      total: 11.2s   remaining: 29.3s
277: learn: 0.0828201      total: 11.3s   remaining: 29.3s
278: learn: 0.0828037      total: 11.3s   remaining: 29.1s

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279: learn: 0.0827092      total: 11.3s  remaining: 29s
280: learn: 0.0826827      total: 11.3s  remaining: 29s
281: learn: 0.0825164      total: 11.4s  remaining: 28.9s
282: learn: 0.0823919      total: 11.4s  remaining: 28.9s
283: learn: 0.0822176      total: 11.4s  remaining: 28.7s
284: learn: 0.0820000      total: 11.4s  remaining: 28.7s
285: learn: 0.0819711      total: 11.4s  remaining: 28.6s
286: learn: 0.0818042      total: 11.4s  remaining: 28.4s
287: learn: 0.0817209      total: 11.5s  remaining: 28.4s
288: learn: 0.0817013      total: 11.5s  remaining: 28.3s
289: learn: 0.0816867      total: 11.5s  remaining: 28.2s
290: learn: 0.0814655      total: 11.5s  remaining: 28.1s
291: learn: 0.0813192      total: 11.5s  remaining: 28s
292: learn: 0.0812294      total: 11.6s  remaining: 27.9s
293: learn: 0.0810148      total: 11.6s  remaining: 27.8s
294: learn: 0.0809194      total: 11.6s  remaining: 27.7s
295: learn: 0.0807708      total: 11.6s  remaining: 27.6s
296: learn: 0.0806283      total: 11.6s  remaining: 27.6s
297: learn: 0.0804853      total: 11.7s  remaining: 27.6s
298: learn: 0.0803628      total: 11.7s  remaining: 27.5s
299: learn: 0.0803478      total: 11.8s  remaining: 27.6s
300: learn: 0.0801811      total: 11.9s  remaining: 27.7s
301: learn: 0.0800455      total: 12s    remaining: 27.6s
302: learn: 0.0798503      total: 12s    remaining: 27.6s
303: learn: 0.0798324      total: 12s    remaining: 27.6s
304: learn: 0.0797160      total: 12.1s  remaining: 27.5s
305: learn: 0.0796969      total: 12.1s  remaining: 27.4s
306: learn: 0.0796197      total: 12.1s  remaining: 27.4s
307: learn: 0.0794127      total: 12.2s  remaining: 27.4s
308: learn: 0.0792644      total: 12.2s  remaining: 27.4s
309: learn: 0.0790541      total: 12.3s  remaining: 27.3s
310: learn: 0.0789906      total: 12.3s  remaining: 27.2s
311: learn: 0.0789659      total: 12.3s  remaining: 27.1s
312: learn: 0.0788570      total: 12.3s  remaining: 27s
313: learn: 0.0786523      total: 12.4s  remaining: 27s
314: learn: 0.0784597      total: 12.4s  remaining: 27s
315: learn: 0.0783242      total: 12.4s  remaining: 26.9s
316: learn: 0.0781881      total: 12.4s  remaining: 26.8s
317: learn: 0.0780033      total: 12.5s  remaining: 26.7s
318: learn: 0.0778943      total: 12.5s  remaining: 26.7s
319: learn: 0.0777621      total: 12.6s  remaining: 26.7s
320: learn: 0.0776052      total: 12.6s  remaining: 26.6s
321: learn: 0.0774667      total: 12.6s  remaining: 26.6s
322: learn: 0.0774072      total: 12.7s  remaining: 26.6s
323: learn: 0.0772512      total: 12.7s  remaining: 26.5s
324: learn: 0.0771542      total: 12.7s  remaining: 26.4s
325: learn: 0.0770022      total: 12.7s  remaining: 26.3s
326: learn: 0.0768212      total: 12.8s  remaining: 26.3s
327: learn: 0.0766624      total: 12.8s  remaining: 26.3s
328: learn: 0.0765230      total: 12.9s  remaining: 26.2s
329: learn: 0.0764028      total: 12.9s  remaining: 26.1s
330: learn: 0.0762232      total: 12.9s  remaining: 26.1s
331: learn: 0.0760785      total: 13s    remaining: 26.1s
332: learn: 0.0760589      total: 13s    remaining: 26s
333: learn: 0.0759113      total: 13s    remaining: 25.9s
334: learn: 0.0757814      total: 13s    remaining: 25.8s
335: learn: 0.0756101      total: 13s    remaining: 25.8s
336: learn: 0.0755241      total: 13.1s  remaining: 25.7s
337: learn: 0.0753673      total: 13.1s  remaining: 25.6s
338: learn: 0.0752781      total: 13.1s  remaining: 25.6s
339: learn: 0.0751685      total: 13.1s  remaining: 25.5s
340: learn: 0.0751043      total: 13.2s  remaining: 25.4s
341: learn: 0.0748989      total: 13.2s  remaining: 25.4s
342: learn: 0.0747447      total: 13.2s  remaining: 25.3s

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343: learn: 0.0745902      total: 13.2s  remaining: 25.3s
344: learn: 0.0745733      total: 13.3s  remaining: 25.2s
345: learn: 0.0744966      total: 13.3s  remaining: 25.1s
346: learn: 0.0743678      total: 13.3s  remaining: 25.1s
347: learn: 0.0742002      total: 13.4s  remaining: 25.1s
348: learn: 0.0740910      total: 13.4s  remaining: 25s
349: learn: 0.0739172      total: 13.5s  remaining: 25s
350: learn: 0.0737696      total: 13.5s  remaining: 24.9s
351: learn: 0.0736299      total: 13.5s  remaining: 24.9s
352: learn: 0.0735843      total: 13.6s  remaining: 24.9s
353: learn: 0.0734211      total: 13.6s  remaining: 24.8s
354: learn: 0.0732569      total: 13.6s  remaining: 24.8s
355: learn: 0.0731445      total: 13.7s  remaining: 24.8s
356: learn: 0.0730270      total: 13.8s  remaining: 24.8s
357: learn: 0.0729276      total: 13.8s  remaining: 24.7s
358: learn: 0.0728157      total: 13.8s  remaining: 24.7s
359: learn: 0.0727713      total: 13.8s  remaining: 24.6s
360: learn: 0.0726639      total: 13.9s  remaining: 24.6s
361: learn: 0.0725117      total: 13.9s  remaining: 24.5s
362: learn: 0.0723526      total: 13.9s  remaining: 24.5s
363: learn: 0.0723271      total: 14s    remaining: 24.4s
364: learn: 0.0722297      total: 14s    remaining: 24.3s
365: learn: 0.0720589      total: 14s    remaining: 24.3s
366: learn: 0.0719580      total: 14.1s  remaining: 24.2s
367: learn: 0.0718809      total: 14.1s  remaining: 24.2s
368: learn: 0.0718457      total: 14.1s  remaining: 24.1s
369: learn: 0.0718292      total: 14.1s  remaining: 24s
370: learn: 0.0716168      total: 14.1s  remaining: 23.9s
371: learn: 0.0714835      total: 14.1s  remaining: 23.9s
372: learn: 0.0713836      total: 14.2s  remaining: 23.8s
373: learn: 0.0712644      total: 14.2s  remaining: 23.8s
374: learn: 0.0711583      total: 14.2s  remaining: 23.7s
375: learn: 0.0711172      total: 14.2s  remaining: 23.6s
376: learn: 0.0710465      total: 14.2s  remaining: 23.5s
377: learn: 0.0710342      total: 14.3s  remaining: 23.4s
378: learn: 0.0709216      total: 14.3s  remaining: 23.4s
379: learn: 0.0708195      total: 14.3s  remaining: 23.3s
380: learn: 0.0708053      total: 14.3s  remaining: 23.3s
381: learn: 0.0707018      total: 14.4s  remaining: 23.3s
382: learn: 0.0706061      total: 14.4s  remaining: 23.2s
383: learn: 0.0704830      total: 14.4s  remaining: 23.2s
384: learn: 0.0703388      total: 14.5s  remaining: 23.1s
385: learn: 0.0701927      total: 14.5s  remaining: 23.1s
386: learn: 0.0700783      total: 14.6s  remaining: 23.1s
387: learn: 0.0699810      total: 14.6s  remaining: 23s
388: learn: 0.0699425      total: 14.6s  remaining: 23s
389: learn: 0.0698686      total: 14.6s  remaining: 22.9s
390: learn: 0.0697970      total: 14.7s  remaining: 22.9s
391: learn: 0.0696909      total: 14.7s  remaining: 22.8s
392: learn: 0.0695681      total: 14.7s  remaining: 22.7s
393: learn: 0.0694686      total: 14.8s  remaining: 22.7s
394: learn: 0.0692752      total: 14.8s  remaining: 22.6s
395: learn: 0.0691235      total: 14.8s  remaining: 22.6s
396: learn: 0.0690571      total: 14.8s  remaining: 22.5s
397: learn: 0.0689413      total: 14.8s  remaining: 22.5s
398: learn: 0.0688775      total: 14.9s  remaining: 22.4s
399: learn: 0.0687937      total: 14.9s  remaining: 22.4s
400: learn: 0.0686754      total: 14.9s  remaining: 22.3s
401: learn: 0.0685443      total: 14.9s  remaining: 22.2s
402: learn: 0.0684167      total: 15s    remaining: 22.2s
403: learn: 0.0683357      total: 15s    remaining: 22.1s
404: learn: 0.0682654      total: 15.1s  remaining: 22.2s
405: learn: 0.0681438      total: 15.1s  remaining: 22.1s
406: learn: 0.0680708      total: 15.1s  remaining: 22.1s

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407: learn: 0.0679811      total: 15.2s  remaining: 22s
408: learn: 0.0678773      total: 15.2s  remaining: 21.9s
409: learn: 0.0677513      total: 15.2s  remaining: 21.9s
410: learn: 0.0676393      total: 15.2s  remaining: 21.8s
411: learn: 0.0675467      total: 15.3s  remaining: 21.8s
412: learn: 0.0675380      total: 15.3s  remaining: 21.7s
413: learn: 0.0675028      total: 15.3s  remaining: 21.7s
414: learn: 0.0674634      total: 15.4s  remaining: 21.7s
415: learn: 0.0673703      total: 15.5s  remaining: 21.7s
416: learn: 0.0673349      total: 15.5s  remaining: 21.6s
417: learn: 0.0672367      total: 15.5s  remaining: 21.6s
418: learn: 0.0671622      total: 15.5s  remaining: 21.5s
419: learn: 0.0670618      total: 15.6s  remaining: 21.5s
420: learn: 0.0669815      total: 15.6s  remaining: 21.4s
421: learn: 0.0669156      total: 15.6s  remaining: 21.4s
422: learn: 0.0668233      total: 15.6s  remaining: 21.3s
266: learn: 0.0875230      total: 11.6s  remaining: 31.7s
267: learn: 0.0874725      total: 11.6s  remaining: 31.8s
268: learn: 0.0873276      total: 11.7s  remaining: 31.8s
269: learn: 0.0871651      total: 11.7s  remaining: 31.7s
270: learn: 0.0869306      total: 11.8s  remaining: 31.7s
271: learn: 0.0868319      total: 11.8s  remaining: 31.6s
272: learn: 0.0866113      total: 11.8s  remaining: 31.5s
273: learn: 0.0864156      total: 11.9s  remaining: 31.5s
274: learn: 0.0862783      total: 11.9s  remaining: 31.4s
275: learn: 0.0862299      total: 11.9s  remaining: 31.3s
276: learn: 0.0862088      total: 11.9s  remaining: 31.2s
277: learn: 0.0861803      total: 12s    remaining: 31.1s
278: learn: 0.0860690      total: 12s    remaining: 31s
279: learn: 0.0858781      total: 12s    remaining: 30.9s
280: learn: 0.0858513      total: 12s    remaining: 30.8s
281: learn: 0.0857003      total: 12.1s   remaining: 30.7s
282: learn: 0.0855631      total: 12.1s   remaining: 30.6s
283: learn: 0.0855353      total: 12.1s   remaining: 30.5s
284: learn: 0.0854531      total: 12.1s   remaining: 30.4s
285: learn: 0.0853563      total: 12.1s   remaining: 30.3s
286: learn: 0.0853324      total: 12.2s   remaining: 30.2s
287: learn: 0.0851417      total: 12.2s   remaining: 30.2s
288: learn: 0.0849717      total: 12.3s   remaining: 30.3s
289: learn: 0.0848704      total: 12.3s   remaining: 30.2s
290: learn: 0.0846953      total: 12.4s   remaining: 30.2s
291: learn: 0.0846816      total: 12.5s   remaining: 30.2s
292: learn: 0.0844979      total: 12.5s   remaining: 30.1s
293: learn: 0.0843600      total: 12.5s   remaining: 30s
294: learn: 0.0843372      total: 12.5s   remaining: 29.9s
295: learn: 0.0842051      total: 12.5s   remaining: 29.8s
296: learn: 0.0839992      total: 12.6s   remaining: 29.7s
297: learn: 0.0838269      total: 12.6s   remaining: 29.7s
298: learn: 0.0836997      total: 12.6s   remaining: 29.6s
299: learn: 0.0834758      total: 12.7s   remaining: 29.6s
300: learn: 0.0833961      total: 12.7s   remaining: 29.5s
301: learn: 0.0833227      total: 12.7s   remaining: 29.4s
302: learn: 0.0832269      total: 12.8s   remaining: 29.3s
303: learn: 0.0831414      total: 12.8s   remaining: 29.3s
304: learn: 0.0831198      total: 12.8s   remaining: 29.2s
305: learn: 0.0829570      total: 12.9s   remaining: 29.2s
306: learn: 0.0828288      total: 12.9s   remaining: 29.1s
307: learn: 0.0826541      total: 12.9s   remaining: 29.1s
308: learn: 0.0825044      total: 13s    remaining: 29s
309: learn: 0.0823583      total: 13s    remaining: 28.9s
310: learn: 0.0823226      total: 13s    remaining: 28.9s
311: learn: 0.0821427      total: 13.1s   remaining: 28.8s
312: learn: 0.0820287      total: 13.1s   remaining: 28.7s
313: learn: 0.0819755      total: 13.1s   remaining: 28.6s

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314: learn: 0.0818182    total: 13.1s  remaining: 28.6s
315: learn: 0.0816877    total: 13.2s  remaining: 28.7s
316: learn: 0.0815607    total: 13.3s  remaining: 28.6s
317: learn: 0.0814449    total: 13.3s  remaining: 28.6s
318: learn: 0.0812863    total: 13.4s  remaining: 28.6s
319: learn: 0.0811579    total: 13.4s  remaining: 28.5s
320: learn: 0.0809950    total: 13.4s  remaining: 28.4s
321: learn: 0.0808620    total: 13.5s  remaining: 28.4s
322: learn: 0.0807121    total: 13.5s  remaining: 28.3s
323: learn: 0.0805504    total: 13.5s  remaining: 28.2s
324: learn: 0.0805355    total: 13.6s  remaining: 28.2s
325: learn: 0.0804422    total: 13.6s  remaining: 28s
326: learn: 0.0803050    total: 13.6s  remaining: 27.9s
327: learn: 0.0802631    total: 13.6s  remaining: 27.9s
328: learn: 0.0802249    total: 13.6s  remaining: 27.8s
329: learn: 0.0801663    total: 13.7s  remaining: 27.8s
330: learn: 0.0800030    total: 13.7s  remaining: 27.7s
331: learn: 0.0798523    total: 13.7s  remaining: 27.6s
332: learn: 0.0796969    total: 13.7s  remaining: 27.5s
333: learn: 0.0795752    total: 13.8s  remaining: 27.4s
334: learn: 0.0795550    total: 13.8s  remaining: 27.3s
335: learn: 0.0794130    total: 13.8s  remaining: 27.3s
336: learn: 0.0793132    total: 13.8s  remaining: 27.2s
337: learn: 0.0793036    total: 13.9s  remaining: 27.2s
338: learn: 0.0791427    total: 13.9s  remaining: 27.1s
339: learn: 0.0790055    total: 13.9s  remaining: 27s
340: learn: 0.0789148    total: 14s   remaining: 27s
341: learn: 0.0787870    total: 14s   remaining: 26.9s
342: learn: 0.0786769    total: 14s   remaining: 26.8s
343: learn: 0.0784914    total: 14.1s  remaining: 26.9s
344: learn: 0.0784462    total: 14.2s  remaining: 26.9s
345: learn: 0.0783744    total: 14.2s  remaining: 26.8s
346: learn: 0.0782665    total: 14.2s  remaining: 26.7s
347: learn: 0.0781183    total: 14.3s  remaining: 26.7s
348: learn: 0.0780306    total: 14.3s  remaining: 26.7s
349: learn: 0.0779147    total: 14.3s  remaining: 26.6s
350: learn: 0.0778481    total: 14.4s  remaining: 26.6s
351: learn: 0.0777219    total: 14.4s  remaining: 26.6s
352: learn: 0.0776720    total: 14.4s  remaining: 26.5s
353: learn: 0.0776573    total: 14.5s  remaining: 26.4s
354: learn: 0.0776436    total: 14.5s  remaining: 26.4s
355: learn: 0.0776001    total: 14.6s  remaining: 26.4s
356: learn: 0.0774603    total: 14.6s  remaining: 26.3s
357: learn: 0.0772989    total: 14.6s  remaining: 26.2s
358: learn: 0.0771190    total: 14.7s  remaining: 26.2s
359: learn: 0.0769903    total: 14.7s  remaining: 26.2s
360: learn: 0.0768738    total: 14.8s  remaining: 26.1s
361: learn: 0.0768574    total: 14.8s  remaining: 26.1s
362: learn: 0.0767007    total: 14.8s  remaining: 26s
363: learn: 0.0765685    total: 14.8s  remaining: 25.9s
364: learn: 0.0764050    total: 14.9s  remaining: 25.9s
365: learn: 0.0762245    total: 14.9s  remaining: 25.8s
366: learn: 0.0760375    total: 14.9s  remaining: 25.7s
367: learn: 0.0759053    total: 14.9s  remaining: 25.6s
368: learn: 0.0757938    total: 15s   remaining: 25.7s
369: learn: 0.0756635    total: 15s   remaining: 25.6s
370: learn: 0.0755546    total: 15.1s  remaining: 25.5s
371: learn: 0.0754617    total: 15.1s  remaining: 25.4s
372: learn: 0.0753819    total: 15.1s  remaining: 25.4s
373: learn: 0.0751980    total: 15.2s  remaining: 25.4s
374: learn: 0.0750143    total: 15.2s  remaining: 25.3s
375: learn: 0.0749765    total: 15.2s  remaining: 25.3s
376: learn: 0.0748177    total: 15.2s  remaining: 25.2s
377: learn: 0.0747139    total: 15.3s  remaining: 25.1s

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378:	learn: 0.0745855	total: 15.3s	remaining: 25.1s
379:	learn: 0.0744751	total: 15.3s	remaining: 25s
380:	learn: 0.0743802	total: 15.3s	remaining: 24.9s
381:	learn: 0.0742239	total: 15.4s	remaining: 24.8s
382:	learn: 0.0741295	total: 15.4s	remaining: 24.8s
383:	learn: 0.0739989	total: 15.4s	remaining: 24.7s
384:	learn: 0.0738876	total: 15.4s	remaining: 24.7s
385:	learn: 0.0737645	total: 15.5s	remaining: 24.6s
386:	learn: 0.0736578	total: 15.5s	remaining: 24.5s
387:	learn: 0.0735121	total: 15.5s	remaining: 24.4s
388:	learn: 0.0734314	total: 15.5s	remaining: 24.3s
389:	learn: 0.0733589	total: 15.5s	remaining: 24.2s
390:	learn: 0.0732363	total: 15.6s	remaining: 24.2s
391:	learn: 0.0730436	total: 15.6s	remaining: 24.2s
392:	learn: 0.0729649	total: 15.6s	remaining: 24.1s
393:	learn: 0.0728444	total: 15.6s	remaining: 24s
394:	learn: 0.0727062	total: 15.6s	remaining: 23.9s
395:	learn: 0.0726157	total: 15.6s	remaining: 23.8s
396:	learn: 0.0724257	total: 15.6s	remaining: 23.7s
397:	learn: 0.0722944	total: 15.6s	remaining: 23.6s
398:	learn: 0.0721720	total: 15.6s	remaining: 23.6s
399:	learn: 0.0720937	total: 15.7s	remaining: 23.5s
400:	learn: 0.0720143	total: 15.7s	remaining: 23.4s
401:	learn: 0.0719147	total: 15.7s	remaining: 23.3s
402:	learn: 0.0717476	total: 15.7s	remaining: 23.3s
403:	learn: 0.0716870	total: 15.7s	remaining: 23.2s
404:	learn: 0.0715894	total: 15.7s	remaining: 23.1s
405:	learn: 0.0714883	total: 15.8s	remaining: 23s
406:	learn: 0.0713774	total: 15.8s	remaining: 23s
407:	learn: 0.0712872	total: 15.8s	remaining: 22.9s
408:	learn: 0.0711922	total: 15.8s	remaining: 22.9s
409:	learn: 0.0711555	total: 15.8s	remaining: 22.8s
410:	learn: 0.0711082	total: 15.9s	remaining: 22.8s
411:	learn: 0.0709584	total: 15.9s	remaining: 22.7s
412:	learn: 0.0709036	total: 15.9s	remaining: 22.6s
413:	learn: 0.0708699	total: 15.9s	remaining: 22.6s
414:	learn: 0.0707583	total: 16s	remaining: 22.5s
415:	learn: 0.0706918	total: 16s	remaining: 22.5s
416:	learn: 0.0705819	total: 16s	remaining: 22.4s
417:	learn: 0.0704382	total: 16.1s	remaining: 22.4s
418:	learn: 0.0703429	total: 16.1s	remaining: 22.3s
419:	learn: 0.0701849	total: 16.1s	remaining: 22.3s
420:	learn: 0.0700513	total: 16.2s	remaining: 22.2s
421:	learn: 0.0699165	total: 16.2s	remaining: 22.2s
422:	learn: 0.0698265	total: 16.2s	remaining: 22.1s
423:	learn: 0.0697134	total: 16.2s	remaining: 22.1s
426:	learn: 0.0660152	total: 15.3s	remaining: 20.6s
427:	learn: 0.0660068	total: 15.3s	remaining: 20.5s
428:	learn: 0.0659330	total: 15.4s	remaining: 20.5s
429:	learn: 0.0658423	total: 15.4s	remaining: 20.4s
430:	learn: 0.0657010	total: 15.4s	remaining: 20.3s
431:	learn: 0.0656191	total: 15.4s	remaining: 20.3s
432:	learn: 0.0655421	total: 15.5s	remaining: 20.3s
433:	learn: 0.0655287	total: 15.5s	remaining: 20.2s
434:	learn: 0.0655147	total: 15.5s	remaining: 20.2s
435:	learn: 0.0655018	total: 15.6s	remaining: 20.1s
436:	learn: 0.0653702	total: 15.6s	remaining: 20.1s
437:	learn: 0.0652876	total: 15.6s	remaining: 20s
438:	learn: 0.0651765	total: 15.6s	remaining: 20s
439:	learn: 0.0650679	total: 15.7s	remaining: 19.9s
440:	learn: 0.0649582	total: 15.7s	remaining: 19.9s
441:	learn: 0.0649452	total: 15.7s	remaining: 19.8s
442:	learn: 0.0648244	total: 15.7s	remaining: 19.8s
443:	learn: 0.0646713	total: 15.7s	remaining: 19.7s

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444: learn: 0.0645737    total: 15.7s  remaining: 19.6s
445: learn: 0.0645634    total: 15.7s  remaining: 19.6s
446: learn: 0.0644639    total: 15.7s  remaining: 19.5s
447: learn: 0.0644552    total: 15.8s  remaining: 19.4s
448: learn: 0.0643883    total: 15.8s  remaining: 19.4s
449: learn: 0.0643196    total: 15.8s  remaining: 19.3s
450: learn: 0.0642232    total: 15.8s  remaining: 19.2s
451: learn: 0.0640841    total: 15.8s  remaining: 19.2s
452: learn: 0.0639764    total: 15.8s  remaining: 19.1s
453: learn: 0.0639344    total: 15.9s  remaining: 19.1s
454: learn: 0.0638300    total: 15.9s  remaining: 19s
455: learn: 0.0637465    total: 15.9s  remaining: 19s
456: learn: 0.0636891    total: 15.9s  remaining: 18.9s
457: learn: 0.0635555    total: 15.9s  remaining: 18.8s
458: learn: 0.0635480    total: 15.9s  remaining: 18.8s
459: learn: 0.0635327    total: 16s   remaining: 18.8s
460: learn: 0.0635257    total: 16s   remaining: 18.7s
461: learn: 0.0635129    total: 16s   remaining: 18.7s
462: learn: 0.0635010    total: 16s   remaining: 18.6s
463: learn: 0.0634183    total: 16.1s  remaining: 18.6s
464: learn: 0.0633094    total: 16.1s  remaining: 18.5s
465: learn: 0.0632458    total: 16.1s  remaining: 18.5s
466: learn: 0.0632165    total: 16.1s  remaining: 18.4s
467: learn: 0.0631002    total: 16.2s  remaining: 18.4s
468: learn: 0.0629931    total: 16.2s  remaining: 18.3s
469: learn: 0.0629828    total: 16.2s  remaining: 18.3s
470: learn: 0.0629610    total: 16.2s  remaining: 18.2s
471: learn: 0.0628711    total: 16.2s  remaining: 18.2s
472: learn: 0.0628593    total: 16.3s  remaining: 18.1s
473: learn: 0.0627426    total: 16.3s  remaining: 18.1s
474: learn: 0.0626608    total: 16.3s  remaining: 18.1s
475: learn: 0.0626550    total: 16.4s  remaining: 18s
476: learn: 0.0626118    total: 16.4s  remaining: 17.9s
477: learn: 0.0625263    total: 16.4s  remaining: 17.9s
478: learn: 0.0624253    total: 16.4s  remaining: 17.8s
479: learn: 0.0623100    total: 16.5s  remaining: 17.8s
480: learn: 0.0622166    total: 16.5s  remaining: 17.8s
481: learn: 0.0621505    total: 16.6s  remaining: 17.8s
482: learn: 0.0620374    total: 16.6s  remaining: 17.8s
483: learn: 0.0619131    total: 16.6s  remaining: 17.7s
484: learn: 0.0618843    total: 16.7s  remaining: 17.7s
485: learn: 0.0617838    total: 16.7s  remaining: 17.7s
486: learn: 0.0617412    total: 16.7s  remaining: 17.6s
487: learn: 0.0617314    total: 16.8s  remaining: 17.6s
488: learn: 0.0616492    total: 16.8s  remaining: 17.6s
489: learn: 0.0616160    total: 16.8s  remaining: 17.5s
490: learn: 0.0615293    total: 16.9s  remaining: 17.5s
491: learn: 0.0615232    total: 16.9s  remaining: 17.5s
492: learn: 0.0614628    total: 16.9s  remaining: 17.4s
493: learn: 0.0613686    total: 17s   remaining: 17.4s
494: learn: 0.0612480    total: 17s   remaining: 17.4s
495: learn: 0.0611541    total: 17s   remaining: 17.3s
496: learn: 0.0610690    total: 17.1s  remaining: 17.3s
497: learn: 0.0609512    total: 17.1s  remaining: 17.2s
498: learn: 0.0608906    total: 17.1s  remaining: 17.2s
499: learn: 0.0607939    total: 17.2s  remaining: 17.2s
500: learn: 0.0607256    total: 17.2s  remaining: 17.2s
501: learn: 0.0606395    total: 17.3s  remaining: 17.1s
502: learn: 0.0605189    total: 17.3s  remaining: 17.1s
503: learn: 0.0604509    total: 17.3s  remaining: 17.1s
504: learn: 0.0604400    total: 17.4s  remaining: 17s
505: learn: 0.0604129    total: 17.4s  remaining: 17s
506: learn: 0.0602944    total: 17.4s  remaining: 17s
507: learn: 0.0602231    total: 17.5s  remaining: 16.9s

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508: learn: 0.0601589      total: 17.5s  remaining: 16.9s
509: learn: 0.0600442      total: 17.5s  remaining: 16.8s
510: learn: 0.0599731      total: 17.5s  remaining: 16.8s
511: learn: 0.0598805      total: 17.6s  remaining: 16.7s
512: learn: 0.0598399      total: 17.6s  remaining: 16.7s
513: learn: 0.0597177      total: 17.7s  remaining: 16.7s
514: learn: 0.0596461      total: 17.8s  remaining: 16.8s
515: learn: 0.0595820      total: 17.8s  remaining: 16.7s
516: learn: 0.0594580      total: 17.9s  remaining: 16.7s
517: learn: 0.0594320      total: 17.9s  remaining: 16.7s
518: learn: 0.0593516      total: 17.9s  remaining: 16.6s
519: learn: 0.0592248      total: 17.9s  remaining: 16.6s
520: learn: 0.0591340      total: 18s    remaining: 16.6s
521: learn: 0.0590869      total: 18.1s  remaining: 16.5s
522: learn: 0.0589850      total: 18.1s  remaining: 16.6s
523: learn: 0.0589439      total: 18.2s  remaining: 16.5s
524: learn: 0.0588617      total: 18.2s  remaining: 16.4s
525: learn: 0.0587087      total: 18.2s  remaining: 16.4s
526: learn: 0.0586544      total: 18.2s  remaining: 16.4s
527: learn: 0.0585628      total: 18.3s  remaining: 16.3s
528: learn: 0.0584632      total: 18.3s  remaining: 16.3s
529: learn: 0.0583740      total: 18.3s  remaining: 16.3s
530: learn: 0.0582973      total: 18.4s  remaining: 16.3s
531: learn: 0.0582255      total: 18.4s  remaining: 16.2s
532: learn: 0.0581323      total: 18.5s  remaining: 16.2s
533: learn: 0.0581199      total: 18.5s  remaining: 16.1s
534: learn: 0.0580245      total: 18.5s  remaining: 16.1s
535: learn: 0.0579080      total: 18.6s  remaining: 16.1s
536: learn: 0.0578644      total: 18.6s  remaining: 16s
537: learn: 0.0578066      total: 18.6s  remaining: 16s
538: learn: 0.0576907      total: 18.6s  remaining: 15.9s
539: learn: 0.0575782      total: 18.6s  remaining: 15.9s
540: learn: 0.0574645      total: 18.6s  remaining: 15.8s
541: learn: 0.0574290      total: 18.7s  remaining: 15.8s
542: learn: 0.0573790      total: 18.7s  remaining: 15.7s
543: learn: 0.0573234      total: 18.7s  remaining: 15.7s
544: learn: 0.0572237      total: 18.7s  remaining: 15.6s
545: learn: 0.0571870      total: 18.8s  remaining: 15.6s
546: learn: 0.0571160      total: 18.8s  remaining: 15.5s
547: learn: 0.0570057      total: 18.8s  remaining: 15.5s
548: learn: 0.0569658      total: 18.8s  remaining: 15.5s
549: learn: 0.0568965      total: 18.8s  remaining: 15.4s
550: learn: 0.0568107      total: 18.9s  remaining: 15.4s
551: learn: 0.0567929      total: 18.9s  remaining: 15.3s
552: learn: 0.0567396      total: 18.9s  remaining: 15.3s
553: learn: 0.0566547      total: 18.9s  remaining: 15.2s
554: learn: 0.0565926      total: 18.9s  remaining: 15.2s
555: learn: 0.0565411      total: 18.9s  remaining: 15.1s
556: learn: 0.0565232      total: 19s    remaining: 15.1s
557: learn: 0.0564383      total: 19s    remaining: 15.1s
558: learn: 0.0564194      total: 19.1s  remaining: 15s
559: learn: 0.0563969      total: 19.1s  remaining: 15s
560: learn: 0.0563752      total: 19.1s  remaining: 15s
561: learn: 0.0563336      total: 19.1s  remaining: 14.9s
562: learn: 0.0563087      total: 19.2s  remaining: 14.9s
563: learn: 0.0561570      total: 19.2s  remaining: 14.8s
564: learn: 0.0560776      total: 19.2s  remaining: 14.8s
565: learn: 0.0559916      total: 19.2s  remaining: 14.8s
566: learn: 0.0558827      total: 19.3s  remaining: 14.7s
567: learn: 0.0557422      total: 19.3s  remaining: 14.7s
568: learn: 0.0556813      total: 19.4s  remaining: 14.7s
569: learn: 0.0556383      total: 19.4s  remaining: 14.7s
570: learn: 0.0555419      total: 19.5s  remaining: 14.6s
571: learn: 0.0555032      total: 19.5s  remaining: 14.6s

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572:	learn: 0.0554638	total: 19.5s	remaining: 14.6s
573:	learn: 0.0553905	total: 19.6s	remaining: 14.5s
574:	learn: 0.0553301	total: 19.6s	remaining: 14.5s
575:	learn: 0.0552612	total: 19.7s	remaining: 14.5s
576:	learn: 0.0551550	total: 19.7s	remaining: 14.4s
577:	learn: 0.0550436	total: 19.8s	remaining: 14.4s
578:	learn: 0.0549697	total: 19.8s	remaining: 14.4s
579:	learn: 0.0548940	total: 19.8s	remaining: 14.4s
580:	learn: 0.0548043	total: 19.9s	remaining: 14.3s
581:	learn: 0.0547306	total: 19.9s	remaining: 14.3s
582:	learn: 0.0546965	total: 19.9s	remaining: 14.3s
583:	learn: 0.0545989	total: 20s	remaining: 14.2s
423:	learn: 0.0636184	total: 15.7s	remaining: 21.3s
424:	learn: 0.0636066	total: 15.7s	remaining: 21.2s
425:	learn: 0.0635955	total: 15.7s	remaining: 21.2s
426:	learn: 0.0634595	total: 15.7s	remaining: 21.1s
427:	learn: 0.0633263	total: 15.7s	remaining: 21s
428:	learn: 0.0632593	total: 15.8s	remaining: 21s
429:	learn: 0.0631831	total: 15.8s	remaining: 21s
430:	learn: 0.0630590	total: 15.8s	remaining: 20.9s
431:	learn: 0.0629407	total: 15.8s	remaining: 20.8s
432:	learn: 0.0628558	total: 15.9s	remaining: 20.8s
433:	learn: 0.0627533	total: 15.9s	remaining: 20.7s
434:	learn: 0.0626729	total: 15.9s	remaining: 20.7s
435:	learn: 0.0625158	total: 16s	remaining: 20.7s
436:	learn: 0.0623942	total: 16s	remaining: 20.6s
437:	learn: 0.0623114	total: 16s	remaining: 20.5s
438:	learn: 0.0622420	total: 16s	remaining: 20.5s
439:	learn: 0.0621678	total: 16.1s	remaining: 20.4s
440:	learn: 0.0620577	total: 16.1s	remaining: 20.4s
441:	learn: 0.0619491	total: 16.1s	remaining: 20.4s
442:	learn: 0.0618382	total: 16.2s	remaining: 20.3s
443:	learn: 0.0617454	total: 16.2s	remaining: 20.3s
444:	learn: 0.0616265	total: 16.2s	remaining: 20.2s
445:	learn: 0.0615402	total: 16.3s	remaining: 20.2s
446:	learn: 0.0614222	total: 16.3s	remaining: 20.1s
447:	learn: 0.0613719	total: 16.3s	remaining: 20.1s
448:	learn: 0.0613611	total: 16.3s	remaining: 20.1s
449:	learn: 0.0612757	total: 16.4s	remaining: 20s
450:	learn: 0.0612020	total: 16.4s	remaining: 20s
451:	learn: 0.0611118	total: 16.4s	remaining: 19.9s
452:	learn: 0.0610630	total: 16.4s	remaining: 19.8s
453:	learn: 0.0609639	total: 16.5s	remaining: 19.8s
454:	learn: 0.0608784	total: 16.5s	remaining: 19.8s
455:	learn: 0.0607592	total: 16.5s	remaining: 19.7s
456:	learn: 0.0606913	total: 16.5s	remaining: 19.6s
457:	learn: 0.0605660	total: 16.6s	remaining: 19.7s
458:	learn: 0.0604626	total: 16.6s	remaining: 19.6s
459:	learn: 0.0603145	total: 16.7s	remaining: 19.6s
460:	learn: 0.0602260	total: 16.7s	remaining: 19.5s
461:	learn: 0.0601484	total: 16.7s	remaining: 19.5s
462:	learn: 0.0600485	total: 16.8s	remaining: 19.4s
463:	learn: 0.0599636	total: 16.8s	remaining: 19.4s
464:	learn: 0.0598789	total: 16.8s	remaining: 19.3s
465:	learn: 0.0597734	total: 16.8s	remaining: 19.3s
466:	learn: 0.0597030	total: 16.9s	remaining: 19.3s
467:	learn: 0.0596054	total: 16.9s	remaining: 19.2s
468:	learn: 0.0595888	total: 16.9s	remaining: 19.2s
469:	learn: 0.0595285	total: 17s	remaining: 19.1s
470:	learn: 0.0594514	total: 17s	remaining: 19.1s
471:	learn: 0.0593587	total: 17s	remaining: 19s
472:	learn: 0.0592271	total: 17s	remaining: 19s
473:	learn: 0.0591717	total: 17s	remaining: 18.9s
474:	learn: 0.0590624	total: 17.1s	remaining: 18.8s

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475: learn: 0.0589629    total: 17.1s  remaining: 18.8s
476: learn: 0.0588621    total: 17.1s  remaining: 18.7s
477: learn: 0.0588083    total: 17.1s  remaining: 18.7s
478: learn: 0.0587154    total: 17.1s  remaining: 18.7s
479: learn: 0.0587055    total: 17.2s  remaining: 18.6s
480: learn: 0.0586646    total: 17.2s  remaining: 18.5s
481: learn: 0.0585341    total: 17.2s  remaining: 18.5s
482: learn: 0.0584758    total: 17.2s  remaining: 18.4s
483: learn: 0.0583590    total: 17.2s  remaining: 18.4s
484: learn: 0.0582316    total: 17.3s  remaining: 18.3s
485: learn: 0.0581046    total: 17.3s  remaining: 18.3s
486: learn: 0.0581000    total: 17.4s  remaining: 18.3s
487: learn: 0.0580147    total: 17.4s  remaining: 18.3s
488: learn: 0.0579311    total: 17.4s  remaining: 18.2s
489: learn: 0.0578751    total: 17.4s  remaining: 18.2s
490: learn: 0.0577859    total: 17.5s  remaining: 18.1s
491: learn: 0.0577084    total: 17.5s  remaining: 18.1s
492: learn: 0.0576821    total: 17.5s  remaining: 18s
493: learn: 0.0575806    total: 17.6s  remaining: 18s
494: learn: 0.0574760    total: 17.6s  remaining: 18s
495: learn: 0.0573862    total: 17.6s  remaining: 17.9s
496: learn: 0.0573140    total: 17.6s  remaining: 17.8s
497: learn: 0.0572062    total: 17.6s  remaining: 17.8s
498: learn: 0.0571247    total: 17.7s  remaining: 17.7s
499: learn: 0.0570538    total: 17.7s  remaining: 17.7s
500: learn: 0.0569568    total: 17.7s  remaining: 17.6s
501: learn: 0.0568778    total: 17.8s  remaining: 17.6s
502: learn: 0.0568152    total: 17.8s  remaining: 17.6s
503: learn: 0.0567157    total: 17.9s  remaining: 17.6s
504: learn: 0.0566892    total: 18s   remaining: 17.6s
505: learn: 0.0565669    total: 18s   remaining: 17.6s
506: learn: 0.0564701    total: 18.1s  remaining: 17.6s
507: learn: 0.0563874    total: 18.1s  remaining: 17.5s
508: learn: 0.0563065    total: 18.2s  remaining: 17.5s
509: learn: 0.0562354    total: 18.2s  remaining: 17.5s
510: learn: 0.0561412    total: 18.2s  remaining: 17.4s
511: learn: 0.0560862    total: 18.3s  remaining: 17.4s
512: learn: 0.0560026    total: 18.3s  remaining: 17.4s
513: learn: 0.0559519    total: 18.4s  remaining: 17.4s
514: learn: 0.0559463    total: 18.4s  remaining: 17.3s
515: learn: 0.0559376    total: 18.5s  remaining: 17.3s
516: learn: 0.0558584    total: 18.5s  remaining: 17.3s
517: learn: 0.0557504    total: 18.5s  remaining: 17.3s
518: learn: 0.0556523    total: 18.6s  remaining: 17.2s
519: learn: 0.0555651    total: 18.6s  remaining: 17.2s
520: learn: 0.0555227    total: 18.6s  remaining: 17.1s
521: learn: 0.0554442    total: 18.7s  remaining: 17.1s
522: learn: 0.0553279    total: 18.8s  remaining: 17.1s
523: learn: 0.0552284    total: 18.8s  remaining: 17.1s
524: learn: 0.0551225    total: 18.8s  remaining: 17s
525: learn: 0.0551045    total: 18.9s  remaining: 17s
526: learn: 0.0550582    total: 18.9s  remaining: 17s
527: learn: 0.0550276    total: 19s   remaining: 17s
528: learn: 0.0549363    total: 19s   remaining: 16.9s
529: learn: 0.0548285    total: 19s   remaining: 16.9s
530: learn: 0.0547656    total: 19s   remaining: 16.8s
531: learn: 0.0546866    total: 19.1s  remaining: 16.8s
532: learn: 0.0546298    total: 19.1s  remaining: 16.7s
533: learn: 0.0545304    total: 19.1s  remaining: 16.6s
534: learn: 0.0544844    total: 19.1s  remaining: 16.6s
535: learn: 0.0544170    total: 19.1s  remaining: 16.5s
536: learn: 0.0544089    total: 19.2s  remaining: 16.5s
537: learn: 0.0543181    total: 19.2s  remaining: 16.5s
538: learn: 0.0542222    total: 19.2s  remaining: 16.4s

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539: learn: 0.0541345    total: 19.2s  remaining: 16.4s
540: learn: 0.0540427    total: 19.2s  remaining: 16.3s
541: learn: 0.0539562    total: 19.3s  remaining: 16.3s
542: learn: 0.0538704    total: 19.3s  remaining: 16.3s
543: learn: 0.0537934    total: 19.4s  remaining: 16.2s
544: learn: 0.0537278    total: 19.4s  remaining: 16.2s
545: learn: 0.0536446    total: 19.4s  remaining: 16.2s
546: learn: 0.0535772    total: 19.5s  remaining: 16.1s
547: learn: 0.0535197    total: 19.5s  remaining: 16.1s
548: learn: 0.0534485    total: 19.5s  remaining: 16s
549: learn: 0.0533701    total: 19.6s  remaining: 16s
550: learn: 0.0532883    total: 19.6s  remaining: 16s
551: learn: 0.0532078    total: 19.6s  remaining: 15.9s
552: learn: 0.0531757    total: 19.7s  remaining: 15.9s
553: learn: 0.0530821    total: 19.7s  remaining: 15.9s
554: learn: 0.0530385    total: 19.7s  remaining: 15.8s
555: learn: 0.0529565    total: 19.7s  remaining: 15.8s
556: learn: 0.0528887    total: 19.7s  remaining: 15.7s
557: learn: 0.0528463    total: 19.8s  remaining: 15.7s
558: learn: 0.0527577    total: 19.8s  remaining: 15.6s
559: learn: 0.0527543    total: 19.9s  remaining: 15.6s
560: learn: 0.0527140    total: 19.9s  remaining: 15.6s
561: learn: 0.0526445    total: 20s   remaining: 15.6s
562: learn: 0.0525360    total: 20s   remaining: 15.5s
563: learn: 0.0525300    total: 20s   remaining: 15.5s
564: learn: 0.0524167    total: 20.1s  remaining: 15.5s
565: learn: 0.0523335    total: 20.1s  remaining: 15.4s
566: learn: 0.0522630    total: 20.1s  remaining: 15.4s
567: learn: 0.0521518    total: 20.2s  remaining: 15.3s
568: learn: 0.0520851    total: 20.2s  remaining: 15.3s
569: learn: 0.0520442    total: 20.2s  remaining: 15.3s
570: learn: 0.0520387    total: 20.3s  remaining: 15.2s
571: learn: 0.0519970    total: 20.3s  remaining: 15.2s
572: learn: 0.0519456    total: 20.3s  remaining: 15.1s
573: learn: 0.0518772    total: 20.3s  remaining: 15.1s
574: learn: 0.0518041    total: 20.3s  remaining: 15s
575: learn: 0.0517335    total: 20.4s  remaining: 15s
576: learn: 0.0517291    total: 20.4s  remaining: 14.9s
577: learn: 0.0516413    total: 20.4s  remaining: 14.9s
578: learn: 0.0515768    total: 20.4s  remaining: 14.8s
579: learn: 0.0515233    total: 20.4s  remaining: 14.8s
580: learn: 0.0514953    total: 20.4s  remaining: 14.7s
424: learn: 0.0696500    total: 16.3s  remaining: 22.1s
425: learn: 0.0695843    total: 16.3s  remaining: 22s
426: learn: 0.0694573    total: 16.3s  remaining: 21.9s
427: learn: 0.0694419    total: 16.4s  remaining: 21.9s
428: learn: 0.0693237    total: 16.4s  remaining: 21.8s
429: learn: 0.0692216    total: 16.4s  remaining: 21.7s
430: learn: 0.0691820    total: 16.4s  remaining: 21.7s
431: learn: 0.0690897    total: 16.4s  remaining: 21.6s
432: learn: 0.0690218    total: 16.5s  remaining: 21.5s
433: learn: 0.0688905    total: 16.5s  remaining: 21.5s
434: learn: 0.0687914    total: 16.5s  remaining: 21.5s
435: learn: 0.0686815    total: 16.5s  remaining: 21.4s
436: learn: 0.0686286    total: 16.5s  remaining: 21.3s
437: learn: 0.0685379    total: 16.6s  remaining: 21.3s
438: learn: 0.0684018    total: 16.6s  remaining: 21.2s
439: learn: 0.0683146    total: 16.6s  remaining: 21.2s
440: learn: 0.0682183    total: 16.7s  remaining: 21.1s
441: learn: 0.0681318    total: 16.7s  remaining: 21.1s
442: learn: 0.0680822    total: 16.7s  remaining: 21s
443: learn: 0.0679359    total: 16.7s  remaining: 21s
444: learn: 0.0679217    total: 16.8s  remaining: 20.9s
445: learn: 0.0677915    total: 16.8s  remaining: 20.8s

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446: learn: 0.0676784    total: 16.8s  remaining: 20.8s
447: learn: 0.0675462    total: 16.8s  remaining: 20.7s
448: learn: 0.0674627    total: 16.9s  remaining: 20.7s
449: learn: 0.0673999    total: 16.9s  remaining: 20.7s
450: learn: 0.0673301    total: 16.9s  remaining: 20.6s
451: learn: 0.0673154    total: 17s    remaining: 20.6s
452: learn: 0.0672606    total: 17s    remaining: 20.6s
453: learn: 0.0671087    total: 17s    remaining: 20.5s
454: learn: 0.0669777    total: 17.1s  remaining: 20.4s
455: learn: 0.0669155    total: 17.1s  remaining: 20.4s
456: learn: 0.0667428    total: 17.2s  remaining: 20.4s
457: learn: 0.0666731    total: 17.2s  remaining: 20.3s
458: learn: 0.0665702    total: 17.2s  remaining: 20.3s
459: learn: 0.0664563    total: 17.2s  remaining: 20.2s
460: learn: 0.0663915    total: 17.3s  remaining: 20.2s
461: learn: 0.0663463    total: 17.3s  remaining: 20.1s
462: learn: 0.0662691    total: 17.3s  remaining: 20.1s
463: learn: 0.0661682    total: 17.3s  remaining: 20s
464: learn: 0.0661068    total: 17.3s  remaining: 19.9s
465: learn: 0.0660563    total: 17.4s  remaining: 19.9s
466: learn: 0.0659451    total: 17.4s  remaining: 19.8s
467: learn: 0.0658483    total: 17.4s  remaining: 19.8s
468: learn: 0.0657529    total: 17.5s  remaining: 19.8s
469: learn: 0.0656972    total: 17.5s  remaining: 19.7s
470: learn: 0.0656453    total: 17.5s  remaining: 19.7s
471: learn: 0.0655828    total: 17.5s  remaining: 19.6s
472: learn: 0.0654466    total: 17.6s  remaining: 19.6s
473: learn: 0.0653846    total: 17.6s  remaining: 19.5s
474: learn: 0.0653015    total: 17.6s  remaining: 19.4s
475: learn: 0.0651964    total: 17.6s  remaining: 19.4s
476: learn: 0.0651062    total: 17.6s  remaining: 19.3s
477: learn: 0.0650122    total: 17.6s  remaining: 19.3s
478: learn: 0.0649280    total: 17.7s  remaining: 19.2s
479: learn: 0.0648086    total: 17.7s  remaining: 19.2s
480: learn: 0.0647284    total: 17.7s  remaining: 19.1s
481: learn: 0.0646408    total: 17.7s  remaining: 19s
482: learn: 0.0645726    total: 17.7s  remaining: 19s
483: learn: 0.0644790    total: 17.7s  remaining: 18.9s
484: learn: 0.0643879    total: 17.8s  remaining: 18.9s
485: learn: 0.0643004    total: 17.8s  remaining: 18.8s
486: learn: 0.0641786    total: 17.8s  remaining: 18.8s
487: learn: 0.0640212    total: 17.9s  remaining: 18.7s
488: learn: 0.0639407    total: 17.9s  remaining: 18.7s
489: learn: 0.0638511    total: 17.9s  remaining: 18.6s
490: learn: 0.0637333    total: 17.9s  remaining: 18.6s
491: learn: 0.0636169    total: 17.9s  remaining: 18.5s
492: learn: 0.0636042    total: 18s    remaining: 18.5s
493: learn: 0.0634911    total: 18.1s  remaining: 18.6s
494: learn: 0.0634135    total: 18.1s  remaining: 18.5s
495: learn: 0.0633135    total: 18.3s  remaining: 18.6s
496: learn: 0.0632853    total: 18.3s  remaining: 18.5s
497: learn: 0.0632168    total: 18.4s  remaining: 18.5s
498: learn: 0.0631862    total: 18.4s  remaining: 18.5s
499: learn: 0.0631132    total: 18.5s  remaining: 18.5s
500: learn: 0.0629765    total: 18.5s  remaining: 18.4s
501: learn: 0.0629000    total: 18.6s  remaining: 18.4s
502: learn: 0.0627935    total: 18.6s  remaining: 18.4s
503: learn: 0.0626556    total: 18.6s  remaining: 18.3s
504: learn: 0.0625481    total: 18.6s  remaining: 18.3s
505: learn: 0.0624468    total: 18.7s  remaining: 18.2s
506: learn: 0.0623586    total: 18.7s  remaining: 18.2s
507: learn: 0.0622924    total: 18.7s  remaining: 18.2s
508: learn: 0.0622114    total: 18.8s  remaining: 18.1s
509: learn: 0.0621674    total: 18.8s  remaining: 18s

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510: learn: 0.0620968    total: 18.8s  remaining: 18s
511: learn: 0.0620519    total: 18.8s  remaining: 18s
512: learn: 0.0619709    total: 18.9s  remaining: 17.9s
513: learn: 0.0618732    total: 18.9s  remaining: 17.9s
514: learn: 0.0617067    total: 19s    remaining: 17.8s
515: learn: 0.0616253    total: 19s    remaining: 17.8s
516: learn: 0.0615315    total: 19s    remaining: 17.8s
517: learn: 0.0614166    total: 19s    remaining: 17.7s
518: learn: 0.0613643    total: 19s    remaining: 17.6s
519: learn: 0.0612818    total: 19.1s  remaining: 17.6s
520: learn: 0.0611699    total: 19.1s  remaining: 17.6s
521: learn: 0.0610779    total: 19.1s  remaining: 17.5s
522: learn: 0.0610282    total: 19.2s  remaining: 17.5s
523: learn: 0.0609602    total: 19.2s  remaining: 17.4s
524: learn: 0.0608421    total: 19.2s  remaining: 17.4s
525: learn: 0.0607306    total: 19.2s  remaining: 17.3s
526: learn: 0.0607003    total: 19.2s  remaining: 17.3s
527: learn: 0.0606419    total: 19.3s  remaining: 17.2s
528: learn: 0.0605388    total: 19.3s  remaining: 17.2s
529: learn: 0.0604386    total: 19.3s  remaining: 17.1s
530: learn: 0.0603821    total: 19.3s  remaining: 17.1s
531: learn: 0.0602991    total: 19.3s  remaining: 17s
532: learn: 0.0602040    total: 19.4s  remaining: 17s
533: learn: 0.0601737    total: 19.4s  remaining: 16.9s
534: learn: 0.0601192    total: 19.4s  remaining: 16.9s
535: learn: 0.0600789    total: 19.5s  remaining: 16.9s
536: learn: 0.0600075    total: 19.5s  remaining: 16.8s
537: learn: 0.0599548    total: 19.5s  remaining: 16.8s
538: learn: 0.0598920    total: 19.5s  remaining: 16.7s
539: learn: 0.0597615    total: 19.6s  remaining: 16.7s
540: learn: 0.0596586    total: 19.6s  remaining: 16.6s
541: learn: 0.0595611    total: 19.6s  remaining: 16.6s
542: learn: 0.0594504    total: 19.7s  remaining: 16.5s
543: learn: 0.0594406    total: 19.7s  remaining: 16.5s
544: learn: 0.0593913    total: 19.7s  remaining: 16.4s
545: learn: 0.0592937    total: 19.7s  remaining: 16.4s
546: learn: 0.0592075    total: 19.8s  remaining: 16.4s
547: learn: 0.0590776    total: 19.8s  remaining: 16.3s
548: learn: 0.0590066    total: 19.8s  remaining: 16.3s
549: learn: 0.0589972    total: 19.8s  remaining: 16.2s
550: learn: 0.0589895    total: 19.9s  remaining: 16.2s
551: learn: 0.0589378    total: 19.9s  remaining: 16.1s
552: learn: 0.0588342    total: 20s    remaining: 16.1s
553: learn: 0.0587734    total: 20s    remaining: 16.1s
554: learn: 0.0587205    total: 20s    remaining: 16.1s
555: learn: 0.0586545    total: 20.1s  remaining: 16s
556: learn: 0.0585522    total: 20.1s  remaining: 16s
557: learn: 0.0584861    total: 20.2s  remaining: 16s
558: learn: 0.0584195    total: 20.2s  remaining: 15.9s
559: learn: 0.0583460    total: 20.3s  remaining: 15.9s
560: learn: 0.0583205    total: 20.3s  remaining: 15.9s
561: learn: 0.0582405    total: 20.3s  remaining: 15.8s
562: learn: 0.0581971    total: 20.3s  remaining: 15.8s
563: learn: 0.0581728    total: 20.4s  remaining: 15.8s
564: learn: 0.0580798    total: 20.4s  remaining: 15.7s
565: learn: 0.0580271    total: 20.4s  remaining: 15.7s
566: learn: 0.0579769    total: 20.4s  remaining: 15.6s
567: learn: 0.0579049    total: 20.4s  remaining: 15.6s
568: learn: 0.0578403    total: 20.5s  remaining: 15.5s
569: learn: 0.0577568    total: 20.5s  remaining: 15.4s
570: learn: 0.0577100    total: 20.5s  remaining: 15.4s
571: learn: 0.0576441    total: 20.5s  remaining: 15.3s
572: learn: 0.0575491    total: 20.5s  remaining: 15.3s
573: learn: 0.0575024    total: 20.5s  remaining: 15.2s

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574:	learn: 0.0573970	total: 20.6s	remaining: 15.2s
575:	learn: 0.0572927	total: 20.7s	remaining: 15.2s
576:	learn: 0.0572315	total: 20.7s	remaining: 15.2s
577:	learn: 0.0571555	total: 20.8s	remaining: 15.2s
578:	learn: 0.0571021	total: 20.8s	remaining: 15.1s
579:	learn: 0.0570373	total: 20.8s	remaining: 15.1s
580:	learn: 0.0569592	total: 20.9s	remaining: 15s
581:	learn: 0.0568999	total: 20.9s	remaining: 15s
423:	learn: 0.0667572	total: 15.6s	remaining: 21.2s
424:	learn: 0.0666849	total: 15.6s	remaining: 21.2s
425:	learn: 0.0665706	total: 15.6s	remaining: 21.1s
426:	learn: 0.0665140	total: 15.7s	remaining: 21s
427:	learn: 0.0663950	total: 15.7s	remaining: 21s
428:	learn: 0.0662744	total: 15.7s	remaining: 20.9s
429:	learn: 0.0660987	total: 15.7s	remaining: 20.9s
430:	learn: 0.0659792	total: 15.8s	remaining: 20.8s
431:	learn: 0.0658494	total: 15.8s	remaining: 20.8s
432:	learn: 0.0657564	total: 15.8s	remaining: 20.7s
433:	learn: 0.0656879	total: 15.8s	remaining: 20.7s
434:	learn: 0.0656271	total: 15.9s	remaining: 20.6s
435:	learn: 0.0654905	total: 15.9s	remaining: 20.6s
436:	learn: 0.0654814	total: 15.9s	remaining: 20.5s
437:	learn: 0.0652800	total: 16s	remaining: 20.5s
438:	learn: 0.0652709	total: 16s	remaining: 20.4s
439:	learn: 0.0651956	total: 16s	remaining: 20.4s
440:	learn: 0.0650992	total: 16s	remaining: 20.3s
441:	learn: 0.0649685	total: 16.1s	remaining: 20.3s
442:	learn: 0.0649597	total: 16.1s	remaining: 20.2s
443:	learn: 0.0648619	total: 16.1s	remaining: 20.2s
444:	learn: 0.0647795	total: 16.1s	remaining: 20.1s
445:	learn: 0.0647332	total: 16.1s	remaining: 20.1s
446:	learn: 0.0646302	total: 16.2s	remaining: 20s
447:	learn: 0.0645845	total: 16.2s	remaining: 19.9s
448:	learn: 0.0645293	total: 16.2s	remaining: 19.9s
449:	learn: 0.0645208	total: 16.2s	remaining: 19.9s
450:	learn: 0.0643996	total: 16.3s	remaining: 19.8s
451:	learn: 0.0643119	total: 16.3s	remaining: 19.7s
452:	learn: 0.0642154	total: 16.3s	remaining: 19.7s
453:	learn: 0.0640876	total: 16.3s	remaining: 19.6s
454:	learn: 0.0639850	total: 16.4s	remaining: 19.6s
455:	learn: 0.0638314	total: 16.4s	remaining: 19.5s
456:	learn: 0.0638231	total: 16.4s	remaining: 19.5s
457:	learn: 0.0637277	total: 16.4s	remaining: 19.4s
458:	learn: 0.0636312	total: 16.4s	remaining: 19.4s
459:	learn: 0.0635471	total: 16.4s	remaining: 19.3s
460:	learn: 0.0634085	total: 16.5s	remaining: 19.3s
461:	learn: 0.0633379	total: 16.5s	remaining: 19.2s
462:	learn: 0.0632480	total: 16.5s	remaining: 19.1s
463:	learn: 0.0632378	total: 16.6s	remaining: 19.2s
464:	learn: 0.0631502	total: 16.6s	remaining: 19.1s
465:	learn: 0.0629937	total: 16.7s	remaining: 19.1s
466:	learn: 0.0629078	total: 16.7s	remaining: 19s
467:	learn: 0.0627822	total: 16.7s	remaining: 19s
468:	learn: 0.0626649	total: 16.7s	remaining: 19s
469:	learn: 0.0625698	total: 16.8s	remaining: 18.9s
470:	learn: 0.0625046	total: 16.8s	remaining: 18.8s
471:	learn: 0.0624267	total: 16.8s	remaining: 18.8s
472:	learn: 0.0623453	total: 16.9s	remaining: 18.8s
473:	learn: 0.0622631	total: 16.9s	remaining: 18.8s
474:	learn: 0.0621994	total: 16.9s	remaining: 18.7s
475:	learn: 0.0620784	total: 17s	remaining: 18.7s
476:	learn: 0.0620024	total: 17s	remaining: 18.6s
477:	learn: 0.0619090	total: 17s	remaining: 18.6s
478:	learn: 0.0618734	total: 17.1s	remaining: 18.6s

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479: learn: 0.0617808    total: 17.1s  remaining: 18.5s
480: learn: 0.0616754    total: 17.1s  remaining: 18.5s
481: learn: 0.0615490    total: 17.2s  remaining: 18.5s
482: learn: 0.0614220    total: 17.2s  remaining: 18.4s
483: learn: 0.0613467    total: 17.2s  remaining: 18.4s
484: learn: 0.0612691    total: 17.3s  remaining: 18.3s
485: learn: 0.0611623    total: 17.3s  remaining: 18.3s
486: learn: 0.0611109    total: 17.4s  remaining: 18.3s
487: learn: 0.0610161    total: 17.4s  remaining: 18.3s
488: learn: 0.0609214    total: 17.4s  remaining: 18.2s
489: learn: 0.0607770    total: 17.4s  remaining: 18.1s
490: learn: 0.0607214    total: 17.4s  remaining: 18.1s
491: learn: 0.0606224    total: 17.5s  remaining: 18.1s
492: learn: 0.0605308    total: 17.5s  remaining: 18s
493: learn: 0.0604473    total: 17.6s  remaining: 18s
494: learn: 0.0603402    total: 17.6s  remaining: 18s
495: learn: 0.0602148    total: 17.7s  remaining: 18s
496: learn: 0.0600973    total: 17.8s  remaining: 18s
497: learn: 0.0599938    total: 17.8s  remaining: 18s
498: learn: 0.0599047    total: 17.9s  remaining: 18s
499: learn: 0.0598971    total: 18s   remaining: 18s
500: learn: 0.0598180    total: 18s   remaining: 17.9s
501: learn: 0.0597187    total: 18s   remaining: 17.9s
502: learn: 0.0596667    total: 18.1s  remaining: 17.8s
503: learn: 0.0595759    total: 18.1s  remaining: 17.8s
504: learn: 0.0594673    total: 18.2s  remaining: 17.8s
505: learn: 0.0594010    total: 18.2s  remaining: 17.8s
506: learn: 0.0593926    total: 18.3s  remaining: 17.8s
507: learn: 0.0592708    total: 18.4s  remaining: 17.8s
508: learn: 0.0592119    total: 18.4s  remaining: 17.7s
509: learn: 0.0591073    total: 18.4s  remaining: 17.7s
510: learn: 0.0590988    total: 18.4s  remaining: 17.6s
511: learn: 0.0590018    total: 18.5s  remaining: 17.6s
512: learn: 0.0589452    total: 18.5s  remaining: 17.6s
513: learn: 0.0588429    total: 18.6s  remaining: 17.6s
514: learn: 0.0587496    total: 18.6s  remaining: 17.5s
515: learn: 0.0586497    total: 18.6s  remaining: 17.4s
516: learn: 0.0585232    total: 18.6s  remaining: 17.4s
517: learn: 0.0584395    total: 18.6s  remaining: 17.4s
518: learn: 0.0583444    total: 18.7s  remaining: 17.3s
519: learn: 0.0583169    total: 18.7s  remaining: 17.3s
520: learn: 0.0582277    total: 18.7s  remaining: 17.2s
521: learn: 0.0581274    total: 18.7s  remaining: 17.2s
522: learn: 0.0581211    total: 18.8s  remaining: 17.1s
523: learn: 0.0580745    total: 18.8s  remaining: 17s
524: learn: 0.0579445    total: 18.8s  remaining: 17s
525: learn: 0.0578713    total: 18.8s  remaining: 16.9s
526: learn: 0.0577777    total: 18.8s  remaining: 16.9s
527: learn: 0.0576733    total: 18.8s  remaining: 16.8s
528: learn: 0.0575984    total: 18.9s  remaining: 16.8s
529: learn: 0.0574864    total: 18.9s  remaining: 16.8s
530: learn: 0.0573602    total: 19s   remaining: 16.7s
531: learn: 0.0572592    total: 19s   remaining: 16.7s
532: learn: 0.0571895    total: 19s   remaining: 16.6s
533: learn: 0.0571659    total: 19s   remaining: 16.6s
534: learn: 0.0570923    total: 19.1s  remaining: 16.6s
535: learn: 0.0569910    total: 19.1s  remaining: 16.5s
536: learn: 0.0569208    total: 19.1s  remaining: 16.5s
537: learn: 0.0569131    total: 19.2s  remaining: 16.5s
538: learn: 0.0568908    total: 19.2s  remaining: 16.4s
539: learn: 0.0568317    total: 19.2s  remaining: 16.4s
540: learn: 0.0567573    total: 19.2s  remaining: 16.3s
541: learn: 0.0566499    total: 19.3s  remaining: 16.3s
542: learn: 0.0565312    total: 19.3s  remaining: 16.2s

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543: learn: 0.0564428    total: 19.3s  remaining: 16.2s
544: learn: 0.0563744    total: 19.3s  remaining: 16.1s
545: learn: 0.0562947    total: 19.4s  remaining: 16.1s
546: learn: 0.0562407    total: 19.4s  remaining: 16s
547: learn: 0.0561716    total: 19.4s  remaining: 16s
548: learn: 0.0560898    total: 19.4s  remaining: 15.9s
549: learn: 0.0559866    total: 19.4s  remaining: 15.9s
550: learn: 0.0559142    total: 19.4s  remaining: 15.8s
551: learn: 0.0558299    total: 19.5s  remaining: 15.8s
552: learn: 0.0557654    total: 19.5s  remaining: 15.7s
553: learn: 0.0556787    total: 19.5s  remaining: 15.7s
554: learn: 0.0555614    total: 19.6s  remaining: 15.7s
555: learn: 0.0555311    total: 19.6s  remaining: 15.7s
556: learn: 0.0554782    total: 19.7s  remaining: 15.7s
557: learn: 0.0553905    total: 19.7s  remaining: 15.6s
558: learn: 0.0553848    total: 19.8s  remaining: 15.6s
559: learn: 0.0553262    total: 19.8s  remaining: 15.6s
560: learn: 0.0551868    total: 19.9s  remaining: 15.6s
561: learn: 0.0550805    total: 19.9s  remaining: 15.5s
562: learn: 0.0549934    total: 19.9s  remaining: 15.5s
563: learn: 0.0548942    total: 19.9s  remaining: 15.4s
564: learn: 0.0547832    total: 20s   remaining: 15.4s
565: learn: 0.0547745    total: 20s   remaining: 15.3s
566: learn: 0.0546852    total: 20s   remaining: 15.3s
567: learn: 0.0546804    total: 20s   remaining: 15.2s
568: learn: 0.0545900    total: 20s   remaining: 15.2s
569: learn: 0.0545066    total: 20s   remaining: 15.1s
570: learn: 0.0544459    total: 20.1s  remaining: 15.1s
571: learn: 0.0543750    total: 20.1s  remaining: 15.1s
572: learn: 0.0542877    total: 20.1s  remaining: 15s
573: learn: 0.0542404    total: 20.2s  remaining: 15s
574: learn: 0.0541205    total: 20.2s  remaining: 14.9s
575: learn: 0.0540362    total: 20.3s  remaining: 14.9s
576: learn: 0.0539713    total: 20.3s  remaining: 14.9s
577: learn: 0.0539504    total: 20.3s  remaining: 14.8s
578: learn: 0.0539458    total: 20.3s  remaining: 14.8s
579: learn: 0.0538548    total: 20.3s  remaining: 14.7s
580: learn: 0.0537605    total: 20.4s  remaining: 14.7s
581: learn: 0.0536968    total: 20.4s  remaining: 14.6s
582: learn: 0.0514262    total: 20.5s  remaining: 14.7s
583: learn: 0.0513401    total: 20.6s  remaining: 14.7s
584: learn: 0.0512380    total: 20.6s  remaining: 14.7s
585: learn: 0.0511654    total: 20.6s  remaining: 14.6s
586: learn: 0.0511021    total: 20.6s  remaining: 14.6s
587: learn: 0.0510771    total: 20.6s  remaining: 14.5s
588: learn: 0.0509722    total: 20.7s  remaining: 14.4s
589: learn: 0.0509373    total: 20.7s  remaining: 14.4s
590: learn: 0.0508852    total: 20.8s  remaining: 14.4s
591: learn: 0.0508388    total: 20.8s  remaining: 14.3s
592: learn: 0.0507714    total: 20.8s  remaining: 14.3s
593: learn: 0.0506715    total: 20.8s  remaining: 14.2s
594: learn: 0.0506672    total: 20.9s  remaining: 14.2s
595: learn: 0.0505627    total: 20.9s  remaining: 14.2s
596: learn: 0.0505034    total: 20.9s  remaining: 14.1s
597: learn: 0.0504224    total: 21s   remaining: 14.1s
598: learn: 0.0504173    total: 21s   remaining: 14.1s
599: learn: 0.0503474    total: 21s   remaining: 14s
600: learn: 0.0502707    total: 21.1s  remaining: 14s
601: learn: 0.0501860    total: 21.1s  remaining: 13.9s
602: learn: 0.0501118    total: 21.1s  remaining: 13.9s
603: learn: 0.0500314    total: 21.1s  remaining: 13.9s
604: learn: 0.0500035    total: 21.1s  remaining: 13.8s
605: learn: 0.0499455    total: 21.2s  remaining: 13.8s

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		houses_kaggle_competition_refined
606:	learn: 0.0498464	total: 21.2s remaining: 13.7s
607:	learn: 0.0498117	total: 21.2s remaining: 13.7s
608:	learn: 0.0497413	total: 21.3s remaining: 13.6s
609:	learn: 0.0496555	total: 21.3s remaining: 13.6s
610:	learn: 0.0496002	total: 21.3s remaining: 13.6s
611:	learn: 0.0495299	total: 21.3s remaining: 13.5s
612:	learn: 0.0494600	total: 21.3s remaining: 13.5s
613:	learn: 0.0493967	total: 21.4s remaining: 13.4s
614:	learn: 0.0493212	total: 21.4s remaining: 13.4s
615:	learn: 0.0492812	total: 21.4s remaining: 13.4s
616:	learn: 0.0492092	total: 21.4s remaining: 13.3s
617:	learn: 0.0491243	total: 21.4s remaining: 13.3s
618:	learn: 0.0490523	total: 21.5s remaining: 13.2s
619:	learn: 0.0489872	total: 21.5s remaining: 13.2s
620:	learn: 0.0489073	total: 21.5s remaining: 13.1s
621:	learn: 0.0488449	total: 21.5s remaining: 13.1s
622:	learn: 0.0487904	total: 21.6s remaining: 13.1s
623:	learn: 0.0487179	total: 21.6s remaining: 13s
624:	learn: 0.0486415	total: 21.6s remaining: 13s
625:	learn: 0.0486368	total: 21.7s remaining: 12.9s
626:	learn: 0.0485718	total: 21.7s remaining: 12.9s
627:	learn: 0.0485317	total: 21.7s remaining: 12.9s
628:	learn: 0.0484666	total: 21.8s remaining: 12.8s
629:	learn: 0.0484239	total: 21.8s remaining: 12.8s
630:	learn: 0.0483457	total: 21.8s remaining: 12.8s
631:	learn: 0.0483383	total: 21.8s remaining: 12.7s
632:	learn: 0.0482872	total: 21.9s remaining: 12.7s
633:	learn: 0.0482014	total: 21.9s remaining: 12.6s
634:	learn: 0.0480831	total: 21.9s remaining: 12.6s
635:	learn: 0.0480263	total: 21.9s remaining: 12.5s
636:	learn: 0.0479410	total: 21.9s remaining: 12.5s
637:	learn: 0.0478730	total: 22s remaining: 12.5s
638:	learn: 0.0478127	total: 22s remaining: 12.4s
639:	learn: 0.0477639	total: 22s remaining: 12.4s
640:	learn: 0.0477405	total: 22s remaining: 12.3s
641:	learn: 0.0476600	total: 22s remaining: 12.3s
642:	learn: 0.0476574	total: 22s remaining: 12.2s
643:	learn: 0.0476012	total: 22.1s remaining: 12.2s
644:	learn: 0.0475470	total: 22.1s remaining: 12.2s
645:	learn: 0.0474576	total: 22.1s remaining: 12.1s
646:	learn: 0.0473748	total: 22.1s remaining: 12.1s
647:	learn: 0.0472803	total: 22.1s remaining: 12s
648:	learn: 0.0471993	total: 22.2s remaining: 12s
649:	learn: 0.0471422	total: 22.2s remaining: 11.9s
650:	learn: 0.0470599	total: 22.2s remaining: 11.9s
651:	learn: 0.0470164	total: 22.2s remaining: 11.8s
652:	learn: 0.0469643	total: 22.2s remaining: 11.8s
653:	learn: 0.0469051	total: 22.2s remaining: 11.7s
654:	learn: 0.0468511	total: 22.2s remaining: 11.7s
655:	learn: 0.0467751	total: 22.2s remaining: 11.6s
656:	learn: 0.0466764	total: 22.2s remaining: 11.6s
657:	learn: 0.0466045	total: 22.3s remaining: 11.6s
658:	learn: 0.0465166	total: 22.3s remaining: 11.5s
659:	learn: 0.0464275	total: 22.3s remaining: 11.5s
660:	learn: 0.0463596	total: 22.3s remaining: 11.5s
661:	learn: 0.0463385	total: 22.4s remaining: 11.4s
662:	learn: 0.0462732	total: 22.4s remaining: 11.4s
663:	learn: 0.0462354	total: 22.5s remaining: 11.4s
664:	learn: 0.0461707	total: 22.6s remaining: 11.4s
665:	learn: 0.0461141	total: 22.6s remaining: 11.3s
666:	learn: 0.0460351	total: 22.6s remaining: 11.3s
667:	learn: 0.0459541	total: 22.7s remaining: 11.3s
668:	learn: 0.0459194	total: 22.7s remaining: 11.3s
669:	learn: 0.0458843	total: 22.8s remaining: 11.2s

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670: learn: 0.0458081    total: 22.8s  remaining: 11.2s
671: learn: 0.0457383    total: 22.8s  remaining: 11.1s
672: learn: 0.0456791    total: 22.9s  remaining: 11.1s
673: learn: 0.0456079    total: 22.9s  remaining: 11.1s
674: learn: 0.0455351    total: 22.9s  remaining: 11s
675: learn: 0.0454489    total: 22.9s  remaining: 11s
676: learn: 0.0453879    total: 22.9s  remaining: 10.9s
677: learn: 0.0453581    total: 22.9s  remaining: 10.9s
678: learn: 0.0453403    total: 23s    remaining: 10.9s
679: learn: 0.0452472    total: 23s    remaining: 10.8s
680: learn: 0.0452128    total: 23s    remaining: 10.8s
681: learn: 0.0452099    total: 23.1s  remaining: 10.8s
682: learn: 0.0451808    total: 23.1s  remaining: 10.7s
683: learn: 0.0451204    total: 23.1s  remaining: 10.7s
684: learn: 0.0450939    total: 23.1s  remaining: 10.6s
685: learn: 0.0450196    total: 23.1s  remaining: 10.6s
686: learn: 0.0449518    total: 23.1s  remaining: 10.5s
687: learn: 0.0449077    total: 23.2s  remaining: 10.5s
688: learn: 0.0448641    total: 23.2s  remaining: 10.5s
689: learn: 0.0448351    total: 23.2s  remaining: 10.4s
690: learn: 0.0447852    total: 23.3s  remaining: 10.4s
691: learn: 0.0447825    total: 23.3s  remaining: 10.4s
692: learn: 0.0447636    total: 23.3s  remaining: 10.3s
693: learn: 0.0447110    total: 23.3s  remaining: 10.3s
694: learn: 0.0446520    total: 23.3s  remaining: 10.2s
695: learn: 0.0445821    total: 23.3s  remaining: 10.2s
696: learn: 0.0445522    total: 23.3s  remaining: 10.1s
697: learn: 0.0444917    total: 23.3s  remaining: 10.1s
698: learn: 0.0444688    total: 23.4s  remaining: 10.1s
699: learn: 0.0444157    total: 23.4s  remaining: 10s
700: learn: 0.0443403    total: 23.4s  remaining: 9.98s
701: learn: 0.0443382    total: 23.4s  remaining: 9.94s
702: learn: 0.0442795    total: 23.4s  remaining: 9.9s
703: learn: 0.0442165    total: 23.5s  remaining: 9.87s
704: learn: 0.0442142    total: 23.5s  remaining: 9.82s
705: learn: 0.0441731    total: 23.5s  remaining: 9.79s
706: learn: 0.0440949    total: 23.5s  remaining: 9.75s
707: learn: 0.0440458    total: 23.6s  remaining: 9.71s
708: learn: 0.0440322    total: 23.6s  remaining: 9.69s
709: learn: 0.0439843    total: 23.7s  remaining: 9.66s
710: learn: 0.0439614    total: 23.7s  remaining: 9.63s
711: learn: 0.0438965    total: 23.7s  remaining: 9.59s
712: learn: 0.0438244    total: 23.8s  remaining: 9.56s
713: learn: 0.0438175    total: 23.8s  remaining: 9.53s
714: learn: 0.0438147    total: 23.8s  remaining: 9.5s
715: learn: 0.0437634    total: 23.9s  remaining: 9.47s
716: learn: 0.0437038    total: 23.9s  remaining: 9.44s
717: learn: 0.0436274    total: 23.9s  remaining: 9.4s
718: learn: 0.0435436    total: 24s    remaining: 9.37s
719: learn: 0.0434586    total: 24s    remaining: 9.33s
720: learn: 0.0434002    total: 24.1s  remaining: 9.32s
721: learn: 0.0433347    total: 24.1s  remaining: 9.29s
722: learn: 0.0433160    total: 24.2s  remaining: 9.27s
723: learn: 0.0432479    total: 24.2s  remaining: 9.24s
724: learn: 0.0432184    total: 24.2s  remaining: 9.2s
725: learn: 0.0431637    total: 24.2s  remaining: 9.15s
726: learn: 0.0431290    total: 24.3s  remaining: 9.11s
727: learn: 0.0430698    total: 24.3s  remaining: 9.07s
728: learn: 0.0430053    total: 24.3s  remaining: 9.03s
729: learn: 0.0429635    total: 24.4s  remaining: 9.01s
730: learn: 0.0428821    total: 24.4s  remaining: 8.97s
731: learn: 0.0428318    total: 24.4s  remaining: 8.94s
732: learn: 0.0427914    total: 24.4s  remaining: 8.9s
733: learn: 0.0426972    total: 24.5s  remaining: 8.87s

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734: learn: 0.0426227    total: 24.5s  remaining: 8.84s
735: learn: 0.0425592    total: 24.6s  remaining: 8.81s
736: learn: 0.0425449    total: 24.6s  remaining: 8.78s
737: learn: 0.0425096    total: 24.6s  remaining: 8.74s
738: learn: 0.0424490    total: 24.7s  remaining: 8.71s
584: learn: 0.0545146    total: 20s    remaining: 14.2s
585: learn: 0.0545071    total: 20.1s  remaining: 14.2s
586: learn: 0.0544202    total: 20.1s  remaining: 14.2s
587: learn: 0.0543200    total: 20.1s  remaining: 14.1s
588: learn: 0.0542702    total: 20.2s  remaining: 14.1s
589: learn: 0.0541967    total: 20.2s  remaining: 14s
590: learn: 0.0541898    total: 20.2s  remaining: 14s
591: learn: 0.0541023    total: 20.2s  remaining: 13.9s
592: learn: 0.0540097    total: 20.3s  remaining: 13.9s
593: learn: 0.0539556    total: 20.3s  remaining: 13.9s
594: learn: 0.0539092    total: 20.3s  remaining: 13.8s
595: learn: 0.0538524    total: 20.4s  remaining: 13.8s
596: learn: 0.0538237    total: 20.4s  remaining: 13.8s
597: learn: 0.0538034    total: 20.4s  remaining: 13.7s
598: learn: 0.0537180    total: 20.5s  remaining: 13.7s
599: learn: 0.0536539    total: 20.5s  remaining: 13.6s
600: learn: 0.0536059    total: 20.5s  remaining: 13.6s
601: learn: 0.0535346    total: 20.5s  remaining: 13.6s
602: learn: 0.0535020    total: 20.5s  remaining: 13.5s
603: learn: 0.0534776    total: 20.6s  remaining: 13.5s
604: learn: 0.0533771    total: 20.6s  remaining: 13.4s
605: learn: 0.0533419    total: 20.7s  remaining: 13.4s
606: learn: 0.0532773    total: 20.7s  remaining: 13.4s
607: learn: 0.0532009    total: 20.7s  remaining: 13.4s
608: learn: 0.0531359    total: 20.7s  remaining: 13.3s
609: learn: 0.0530899    total: 20.8s  remaining: 13.3s
610: learn: 0.0529861    total: 20.8s  remaining: 13.2s
611: learn: 0.0529145    total: 20.8s  remaining: 13.2s
612: learn: 0.0528149    total: 20.8s  remaining: 13.1s
613: learn: 0.0527461    total: 20.8s  remaining: 13.1s
614: learn: 0.0527335    total: 20.9s  remaining: 13.1s
615: learn: 0.0526535    total: 20.9s  remaining: 13s
616: learn: 0.0525829    total: 20.9s  remaining: 13s
617: learn: 0.0525626    total: 21s    remaining: 13s
618: learn: 0.0525578    total: 21s    remaining: 13s
619: learn: 0.0525502    total: 21.1s  remaining: 12.9s
620: learn: 0.0524855    total: 21.1s  remaining: 12.9s
621: learn: 0.0524763    total: 21.1s  remaining: 12.8s
622: learn: 0.0523864    total: 21.2s  remaining: 12.8s
623: learn: 0.0523786    total: 21.2s  remaining: 12.8s
624: learn: 0.0523476    total: 21.2s  remaining: 12.7s
625: learn: 0.0522429    total: 21.3s  remaining: 12.7s
626: learn: 0.0521850    total: 21.3s  remaining: 12.7s
627: learn: 0.0521647    total: 21.3s  remaining: 12.6s
628: learn: 0.0521353    total: 21.4s  remaining: 12.6s
629: learn: 0.0520565    total: 21.5s  remaining: 12.6s
630: learn: 0.0519499    total: 21.5s  remaining: 12.6s
631: learn: 0.0519127    total: 21.5s  remaining: 12.5s
632: learn: 0.0518111    total: 21.5s  remaining: 12.5s
633: learn: 0.0517165    total: 21.6s  remaining: 12.5s
634: learn: 0.0516218    total: 21.6s  remaining: 12.4s
635: learn: 0.0515294    total: 21.7s  remaining: 12.4s
636: learn: 0.0514832    total: 21.7s  remaining: 12.4s
637: learn: 0.0514774    total: 21.7s  remaining: 12.3s
638: learn: 0.0514597    total: 21.7s  remaining: 12.3s
639: learn: 0.0513868    total: 21.8s  remaining: 12.3s
640: learn: 0.0513124    total: 21.8s  remaining: 12.2s
641: learn: 0.0512600    total: 21.8s  remaining: 12.2s
642: learn: 0.0512183    total: 21.8s  remaining: 12.1s

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643:	learn: 0.0511899	total: 21.9s	remaining: 12.1s
644:	learn: 0.0511319	total: 21.9s	remaining: 12s
645:	learn: 0.0511271	total: 21.9s	remaining: 12s
646:	learn: 0.0510746	total: 21.9s	remaining: 12s
647:	learn: 0.0510682	total: 22s	remaining: 11.9s
648:	learn: 0.0510120	total: 22s	remaining: 11.9s
649:	learn: 0.0509176	total: 22s	remaining: 11.9s
650:	learn: 0.0508660	total: 22.1s	remaining: 11.8s
651:	learn: 0.0507988	total: 22.1s	remaining: 11.8s
652:	learn: 0.0507051	total: 22.1s	remaining: 11.7s
653:	learn: 0.0506646	total: 22.1s	remaining: 11.7s
654:	learn: 0.0505306	total: 22.1s	remaining: 11.6s
655:	learn: 0.0504742	total: 22.2s	remaining: 11.6s
656:	learn: 0.0504231	total: 22.2s	remaining: 11.6s
657:	learn: 0.0503621	total: 22.2s	remaining: 11.6s
658:	learn: 0.0503160	total: 22.3s	remaining: 11.5s
659:	learn: 0.0502960	total: 22.4s	remaining: 11.5s
660:	learn: 0.0502079	total: 22.5s	remaining: 11.5s
661:	learn: 0.0501234	total: 22.5s	remaining: 11.5s
662:	learn: 0.0501156	total: 22.6s	remaining: 11.5s
663:	learn: 0.0500791	total: 22.6s	remaining: 11.4s
664:	learn: 0.0499943	total: 22.6s	remaining: 11.4s
665:	learn: 0.0499561	total: 22.7s	remaining: 11.4s
666:	learn: 0.0498919	total: 22.7s	remaining: 11.3s
667:	learn: 0.0498136	total: 22.8s	remaining: 11.3s
668:	learn: 0.0497427	total: 22.8s	remaining: 11.3s
669:	learn: 0.0496799	total: 22.8s	remaining: 11.2s
670:	learn: 0.0496526	total: 22.9s	remaining: 11.2s
671:	learn: 0.0496360	total: 22.9s	remaining: 11.2s
672:	learn: 0.0496201	total: 23s	remaining: 11.2s
673:	learn: 0.0495750	total: 23s	remaining: 11.1s
674:	learn: 0.0494554	total: 23s	remaining: 11.1s
675:	learn: 0.0493854	total: 23.1s	remaining: 11.1s
676:	learn: 0.0493066	total: 23.1s	remaining: 11s
677:	learn: 0.0492350	total: 23.2s	remaining: 11s
678:	learn: 0.0491829	total: 23.2s	remaining: 11s
679:	learn: 0.0491682	total: 23.2s	remaining: 10.9s
680:	learn: 0.0490903	total: 23.2s	remaining: 10.9s
681:	learn: 0.0490329	total: 23.2s	remaining: 10.8s
682:	learn: 0.0490273	total: 23.3s	remaining: 10.8s
683:	learn: 0.0489657	total: 23.3s	remaining: 10.8s
684:	learn: 0.0488684	total: 23.3s	remaining: 10.7s
685:	learn: 0.0488228	total: 23.3s	remaining: 10.7s
686:	learn: 0.0487126	total: 23.4s	remaining: 10.7s
687:	learn: 0.0486458	total: 23.4s	remaining: 10.6s
688:	learn: 0.0485895	total: 23.5s	remaining: 10.6s
689:	learn: 0.0485691	total: 23.5s	remaining: 10.6s
690:	learn: 0.0485208	total: 23.5s	remaining: 10.5s
691:	learn: 0.0484583	total: 23.6s	remaining: 10.5s
692:	learn: 0.0483928	total: 23.6s	remaining: 10.4s
693:	learn: 0.0483521	total: 23.6s	remaining: 10.4s
694:	learn: 0.0483073	total: 23.6s	remaining: 10.4s
695:	learn: 0.0481909	total: 23.7s	remaining: 10.3s
696:	learn: 0.0481248	total: 23.7s	remaining: 10.3s
697:	learn: 0.0480729	total: 23.8s	remaining: 10.3s
698:	learn: 0.0480173	total: 23.8s	remaining: 10.3s
699:	learn: 0.0479650	total: 23.9s	remaining: 10.2s
700:	learn: 0.0478767	total: 23.9s	remaining: 10.2s
701:	learn: 0.0478025	total: 23.9s	remaining: 10.1s
702:	learn: 0.0477777	total: 23.9s	remaining: 10.1s
703:	learn: 0.0477004	total: 24s	remaining: 10.1s
704:	learn: 0.0476351	total: 24s	remaining: 10s
705:	learn: 0.0475810	total: 24s	remaining: 10s
706:	learn: 0.0475553	total: 24.1s	remaining: 9.98s

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707: learn: 0.0475143    total: 24.1s  remaining: 9.94s
708: learn: 0.0474690    total: 24.1s  remaining: 9.9s
709: learn: 0.0474268    total: 24.2s  remaining: 9.87s
710: learn: 0.0473862    total: 24.2s  remaining: 9.83s
711: learn: 0.0473585    total: 24.2s  remaining: 9.79s
712: learn: 0.0472661    total: 24.3s  remaining: 9.76s
713: learn: 0.0471848    total: 24.3s  remaining: 9.72s
714: learn: 0.0470927    total: 24.3s  remaining: 9.7s
715: learn: 0.0470400    total: 24.3s  remaining: 9.65s
716: learn: 0.0469472    total: 24.4s  remaining: 9.63s
717: learn: 0.0468794    total: 24.4s  remaining: 9.59s
718: learn: 0.0467759    total: 24.5s  remaining: 9.56s
719: learn: 0.0467365    total: 24.5s  remaining: 9.52s
720: learn: 0.0466514    total: 24.5s  remaining: 9.48s
721: learn: 0.0466079    total: 24.5s  remaining: 9.44s
722: learn: 0.0465397    total: 24.6s  remaining: 9.43s
723: learn: 0.0464535    total: 24.6s  remaining: 9.39s
724: learn: 0.0464058    total: 24.6s  remaining: 9.35s
725: learn: 0.0463515    total: 24.7s  remaining: 9.32s
726: learn: 0.0463008    total: 24.8s  remaining: 9.3s
727: learn: 0.0462442    total: 24.8s  remaining: 9.27s
728: learn: 0.0462140    total: 24.8s  remaining: 9.23s
729: learn: 0.0461495    total: 24.9s  remaining: 9.2s
730: learn: 0.0460663    total: 24.9s  remaining: 9.16s
731: learn: 0.0460183    total: 24.9s  remaining: 9.12s
732: learn: 0.0459626    total: 24.9s  remaining: 9.08s
733: learn: 0.0459097    total: 25s   remaining: 9.05s
734: learn: 0.0458412    total: 25.1s  remaining: 9.05s
735: learn: 0.0457851    total: 25.1s  remaining: 9s
736: learn: 0.0457098    total: 25.1s  remaining: 8.97s
737: learn: 0.0456367    total: 25.2s  remaining: 8.93s
738: learn: 0.0455473    total: 25.2s  remaining: 8.89s
739: learn: 0.0455241    total: 25.2s  remaining: 8.85s
740: learn: 0.0455183    total: 25.2s  remaining: 8.82s
741: learn: 0.0455136    total: 25.3s  remaining: 8.78s
582: learn: 0.0536074    total: 20.5s  remaining: 14.6s
583: learn: 0.0535016    total: 20.5s  remaining: 14.6s
584: learn: 0.0534325    total: 20.5s  remaining: 14.6s
585: learn: 0.0533450    total: 20.5s  remaining: 14.5s
586: learn: 0.0532792    total: 20.6s  remaining: 14.5s
587: learn: 0.0532199    total: 20.6s  remaining: 14.4s
588: learn: 0.0531788    total: 20.6s  remaining: 14.4s
589: learn: 0.0530648    total: 20.7s  remaining: 14.4s
590: learn: 0.0529668    total: 20.7s  remaining: 14.3s
591: learn: 0.0529240    total: 20.7s  remaining: 14.3s
592: learn: 0.0528005    total: 20.7s  remaining: 14.2s
593: learn: 0.0527443    total: 20.8s  remaining: 14.2s
594: learn: 0.0526611    total: 20.8s  remaining: 14.2s
595: learn: 0.0525748    total: 20.8s  remaining: 14.1s
596: learn: 0.0525163    total: 20.9s  remaining: 14.1s
597: learn: 0.0524924    total: 20.9s  remaining: 14s
598: learn: 0.0524665    total: 20.9s  remaining: 14s
599: learn: 0.0523632    total: 21s   remaining: 14s
600: learn: 0.0523012    total: 21s   remaining: 13.9s
601: learn: 0.0522230    total: 21s   remaining: 13.9s
602: learn: 0.0521271    total: 21.1s  remaining: 13.9s
603: learn: 0.0521204    total: 21.1s  remaining: 13.8s
604: learn: 0.0520764    total: 21.1s  remaining: 13.8s
605: learn: 0.0520226    total: 21.2s  remaining: 13.8s
606: learn: 0.0519751    total: 21.2s  remaining: 13.7s
607: learn: 0.0519692    total: 21.2s  remaining: 13.7s
608: learn: 0.0519452    total: 21.3s  remaining: 13.7s
609: learn: 0.0518541    total: 21.3s  remaining: 13.6s
610: learn: 0.0517479    total: 21.4s  remaining: 13.6s

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611: learn: 0.0516980    total: 21.4s  remaining: 13.6s
612: learn: 0.0516921    total: 21.5s  remaining: 13.6s
613: learn: 0.0516188    total: 21.5s  remaining: 13.5s
614: learn: 0.0515405    total: 21.6s  remaining: 13.5s
615: learn: 0.0515162    total: 21.6s  remaining: 13.5s
616: learn: 0.0514446    total: 21.6s  remaining: 13.4s
617: learn: 0.0513451    total: 21.7s  remaining: 13.4s
618: learn: 0.0513076    total: 21.7s  remaining: 13.4s
619: learn: 0.0512141    total: 21.7s  remaining: 13.3s
620: learn: 0.0511528    total: 21.8s  remaining: 13.3s
621: learn: 0.0510589    total: 21.8s  remaining: 13.2s
622: learn: 0.0509658    total: 21.8s  remaining: 13.2s
623: learn: 0.0508941    total: 21.8s  remaining: 13.1s
624: learn: 0.0508063    total: 21.8s  remaining: 13.1s
625: learn: 0.0507279    total: 21.8s  remaining: 13.1s
626: learn: 0.0506266    total: 21.9s  remaining: 13s
627: learn: 0.0505732    total: 21.9s  remaining: 13s
628: learn: 0.0505425    total: 21.9s  remaining: 12.9s
629: learn: 0.0504932    total: 21.9s  remaining: 12.9s
630: learn: 0.0504184    total: 22s   remaining: 12.9s
631: learn: 0.0503695    total: 22s   remaining: 12.8s
632: learn: 0.0503184    total: 22s   remaining: 12.8s
633: learn: 0.0502601    total: 22.1s  remaining: 12.7s
634: learn: 0.0502102    total: 22.1s  remaining: 12.7s
635: learn: 0.0501725    total: 22.2s  remaining: 12.7s
636: learn: 0.0500551    total: 22.3s  remaining: 12.7s
637: learn: 0.0499668    total: 22.3s  remaining: 12.7s
638: learn: 0.0499171    total: 22.4s  remaining: 12.6s
639: learn: 0.0498346    total: 22.4s  remaining: 12.6s
640: learn: 0.0497918    total: 22.4s  remaining: 12.6s
641: learn: 0.0497338    total: 22.5s  remaining: 12.5s
642: learn: 0.0496450    total: 22.5s  remaining: 12.5s
643: learn: 0.0495850    total: 22.5s  remaining: 12.5s
644: learn: 0.0494909    total: 22.6s  remaining: 12.4s
645: learn: 0.0494224    total: 22.7s  remaining: 12.4s
646: learn: 0.0493343    total: 22.7s  remaining: 12.4s
647: learn: 0.0492707    total: 22.8s  remaining: 12.4s
648: learn: 0.0492022    total: 22.8s  remaining: 12.3s
649: learn: 0.0491483    total: 22.8s  remaining: 12.3s
650: learn: 0.0490459    total: 22.9s  remaining: 12.3s
651: learn: 0.0489549    total: 22.9s  remaining: 12.2s
652: learn: 0.0488915    total: 22.9s  remaining: 12.2s
653: learn: 0.0487962    total: 22.9s  remaining: 12.1s
654: learn: 0.0487202    total: 22.9s  remaining: 12.1s
655: learn: 0.0486013    total: 23s   remaining: 12.1s
656: learn: 0.0485542    total: 23s   remaining: 12s
657: learn: 0.0485503    total: 23.1s  remaining: 12s
658: learn: 0.0484543    total: 23.1s  remaining: 11.9s
659: learn: 0.0483725    total: 23.1s  remaining: 11.9s
660: learn: 0.0482779    total: 23.1s  remaining: 11.9s
661: learn: 0.0482259    total: 23.1s  remaining: 11.8s
662: learn: 0.0481684    total: 23.2s  remaining: 11.8s
663: learn: 0.0481151    total: 23.2s  remaining: 11.8s
664: learn: 0.0480386    total: 23.2s  remaining: 11.7s
665: learn: 0.0479803    total: 23.2s  remaining: 11.7s
666: learn: 0.0479022    total: 23.3s  remaining: 11.6s
667: learn: 0.0478572    total: 23.3s  remaining: 11.6s
668: learn: 0.0477935    total: 23.3s  remaining: 11.5s
669: learn: 0.0477104    total: 23.3s  remaining: 11.5s
670: learn: 0.0476298    total: 23.4s  remaining: 11.5s
671: learn: 0.0475847    total: 23.4s  remaining: 11.4s
672: learn: 0.0475234    total: 23.4s  remaining: 11.4s
673: learn: 0.0474827    total: 23.5s  remaining: 11.4s
674: learn: 0.0474445    total: 23.5s  remaining: 11.3s

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675: learn: 0.0473407    total: 23.6s  remaining: 11.3s
676: learn: 0.0472650    total: 23.6s  remaining: 11.3s
677: learn: 0.0471947    total: 23.6s  remaining: 11.2s
678: learn: 0.0471283    total: 23.7s  remaining: 11.2s
679: learn: 0.0470377    total: 23.7s  remaining: 11.2s
680: learn: 0.0469868    total: 23.7s  remaining: 11.1s
681: learn: 0.0469335    total: 23.8s  remaining: 11.1s
682: learn: 0.0468820    total: 23.8s  remaining: 11s
683: learn: 0.0467766    total: 23.8s  remaining: 11s
684: learn: 0.0467090    total: 23.9s  remaining: 11s
685: learn: 0.0466609    total: 23.9s  remaining: 10.9s
686: learn: 0.0466023    total: 23.9s  remaining: 10.9s
687: learn: 0.0465271    total: 23.9s  remaining: 10.8s
688: learn: 0.0465213    total: 24s    remaining: 10.8s
689: learn: 0.0464144    total: 24s    remaining: 10.8s
690: learn: 0.0463723    total: 24s    remaining: 10.7s
691: learn: 0.0463263    total: 24.1s  remaining: 10.7s
692: learn: 0.0462547    total: 24.1s  remaining: 10.7s
693: learn: 0.0462085    total: 24.1s  remaining: 10.6s
694: learn: 0.0461531    total: 24.1s  remaining: 10.6s
695: learn: 0.0461494    total: 24.1s  remaining: 10.5s
696: learn: 0.0461187    total: 24.2s  remaining: 10.5s
697: learn: 0.0460199    total: 24.2s  remaining: 10.5s
698: learn: 0.0459398    total: 24.2s  remaining: 10.4s
699: learn: 0.0458932    total: 24.2s  remaining: 10.4s
700: learn: 0.0458296    total: 24.3s  remaining: 10.4s
701: learn: 0.0457836    total: 24.3s  remaining: 10.3s
702: learn: 0.0457234    total: 24.3s  remaining: 10.3s
703: learn: 0.0457191    total: 24.4s  remaining: 10.2s
704: learn: 0.0456606    total: 24.4s  remaining: 10.2s
705: learn: 0.0456288    total: 24.4s  remaining: 10.2s
706: learn: 0.0455557    total: 24.4s  remaining: 10.1s
707: learn: 0.0455389    total: 24.4s  remaining: 10.1s
708: learn: 0.0455068    total: 24.5s  remaining: 10s
709: learn: 0.0455018    total: 24.5s  remaining: 10s
710: learn: 0.0454413    total: 24.5s  remaining: 9.95s
711: learn: 0.0453585    total: 24.5s  remaining: 9.91s
712: learn: 0.0453007    total: 24.5s  remaining: 9.88s
713: learn: 0.0452975    total: 24.6s  remaining: 9.84s
714: learn: 0.0452281    total: 24.6s  remaining: 9.82s
715: learn: 0.0451979    total: 24.6s  remaining: 9.78s
716: learn: 0.0451683    total: 24.7s  remaining: 9.73s
717: learn: 0.0451232    total: 24.7s  remaining: 9.69s
718: learn: 0.0450959    total: 24.7s  remaining: 9.65s
719: learn: 0.0450617    total: 24.7s  remaining: 9.61s
720: learn: 0.0450174    total: 24.7s  remaining: 9.57s
721: learn: 0.0449740    total: 24.8s  remaining: 9.53s
722: learn: 0.0448981    total: 24.8s  remaining: 9.49s
723: learn: 0.0448467    total: 24.8s  remaining: 9.46s
724: learn: 0.0447981    total: 24.9s  remaining: 9.43s
725: learn: 0.0447287    total: 24.9s  remaining: 9.41s
726: learn: 0.0446798    total: 25s    remaining: 9.38s
727: learn: 0.0446390    total: 25s    remaining: 9.35s
728: learn: 0.0445905    total: 25s    remaining: 9.31s
729: learn: 0.0445482    total: 25.1s  remaining: 9.27s
730: learn: 0.0445147    total: 25.1s  remaining: 9.23s
731: learn: 0.0444680    total: 25.1s  remaining: 9.19s
732: learn: 0.0444614    total: 25.1s  remaining: 9.14s
733: learn: 0.0444278    total: 25.1s  remaining: 9.1s
734: learn: 0.0443635    total: 25.1s  remaining: 9.06s
735: learn: 0.0442957    total: 25.2s  remaining: 9.04s
736: learn: 0.0442669    total: 25.3s  remaining: 9.03s
737: learn: 0.0442348    total: 25.3s  remaining: 8.98s
738: learn: 0.0441736    total: 25.3s  remaining: 8.94s

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739:	learn: 0.0440824	total: 25.4s	remaining: 8.91s
582:	learn: 0.0568385	total: 20.9s	remaining: 15s
583:	learn: 0.0567808	total: 21s	remaining: 14.9s
584:	learn: 0.0566991	total: 21s	remaining: 14.9s
585:	learn: 0.0566215	total: 21s	remaining: 14.9s
586:	learn: 0.0565440	total: 21.1s	remaining: 14.8s
587:	learn: 0.0565062	total: 21.1s	remaining: 14.8s
588:	learn: 0.0564310	total: 21.1s	remaining: 14.7s
589:	learn: 0.0563494	total: 21.2s	remaining: 14.7s
590:	learn: 0.0563105	total: 21.2s	remaining: 14.7s
591:	learn: 0.0562978	total: 21.2s	remaining: 14.6s
592:	learn: 0.0561786	total: 21.2s	remaining: 14.6s
593:	learn: 0.0561068	total: 21.3s	remaining: 14.5s
594:	learn: 0.0560607	total: 21.3s	remaining: 14.5s
595:	learn: 0.0560153	total: 21.3s	remaining: 14.5s
596:	learn: 0.0559268	total: 21.4s	remaining: 14.4s
597:	learn: 0.0558719	total: 21.4s	remaining: 14.4s
598:	learn: 0.0558269	total: 21.4s	remaining: 14.3s
599:	learn: 0.0557260	total: 21.5s	remaining: 14.3s
600:	learn: 0.0556466	total: 21.5s	remaining: 14.3s
601:	learn: 0.0555592	total: 21.5s	remaining: 14.2s
602:	learn: 0.0554753	total: 21.5s	remaining: 14.2s
603:	learn: 0.0553632	total: 21.5s	remaining: 14.1s
604:	learn: 0.0552880	total: 21.6s	remaining: 14.1s
605:	learn: 0.0552112	total: 21.6s	remaining: 14.1s
606:	learn: 0.0551305	total: 21.6s	remaining: 14s
607:	learn: 0.0550561	total: 21.7s	remaining: 14s
608:	learn: 0.0549498	total: 21.7s	remaining: 13.9s
609:	learn: 0.0548927	total: 21.8s	remaining: 13.9s
610:	learn: 0.0548837	total: 21.8s	remaining: 13.9s
611:	learn: 0.0548568	total: 21.9s	remaining: 13.9s
612:	learn: 0.0547523	total: 21.9s	remaining: 13.8s
613:	learn: 0.0547040	total: 22s	remaining: 13.8s
614:	learn: 0.0546655	total: 22.1s	remaining: 13.8s
615:	learn: 0.0546219	total: 22.1s	remaining: 13.8s
616:	learn: 0.0545578	total: 22.1s	remaining: 13.7s
617:	learn: 0.0544955	total: 22.1s	remaining: 13.7s
618:	learn: 0.0544141	total: 22.1s	remaining: 13.6s
619:	learn: 0.0542976	total: 22.2s	remaining: 13.6s
620:	learn: 0.0542233	total: 22.2s	remaining: 13.5s
621:	learn: 0.0541389	total: 22.2s	remaining: 13.5s
622:	learn: 0.0540938	total: 22.2s	remaining: 13.4s
623:	learn: 0.0540581	total: 22.3s	remaining: 13.4s
624:	learn: 0.0539826	total: 22.3s	remaining: 13.4s
625:	learn: 0.0539357	total: 22.3s	remaining: 13.3s
626:	learn: 0.0539257	total: 22.3s	remaining: 13.3s
627:	learn: 0.0538934	total: 22.3s	remaining: 13.2s
628:	learn: 0.0538306	total: 22.4s	remaining: 13.2s
629:	learn: 0.0537503	total: 22.4s	remaining: 13.2s
630:	learn: 0.0536723	total: 22.4s	remaining: 13.1s
631:	learn: 0.0535469	total: 22.4s	remaining: 13.1s
632:	learn: 0.0535428	total: 22.5s	remaining: 13s
633:	learn: 0.0535081	total: 22.5s	remaining: 13s
634:	learn: 0.0534320	total: 22.5s	remaining: 12.9s
635:	learn: 0.0533651	total: 22.5s	remaining: 12.9s
636:	learn: 0.0533130	total: 22.6s	remaining: 12.9s
637:	learn: 0.0532351	total: 22.6s	remaining: 12.8s
638:	learn: 0.0531757	total: 22.7s	remaining: 12.8s
639:	learn: 0.0531179	total: 22.7s	remaining: 12.8s
640:	learn: 0.0530740	total: 22.8s	remaining: 12.7s
641:	learn: 0.0530057	total: 22.8s	remaining: 12.7s
642:	learn: 0.0529022	total: 22.9s	remaining: 12.7s
643:	learn: 0.0528312	total: 22.9s	remaining: 12.7s
644:	learn: 0.0527691	total: 23s	remaining: 12.7s

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645: learn: 0.0526973    total: 23s    remaining: 12.6s
646: learn: 0.0526496    total: 23s    remaining: 12.6s
647: learn: 0.0525860    total: 23s    remaining: 12.5s
648: learn: 0.0525049    total: 23.1s   remaining: 12.5s
649: learn: 0.0524997    total: 23.1s   remaining: 12.4s
650: learn: 0.0524212    total: 23.1s   remaining: 12.4s
651: learn: 0.0523719    total: 23.2s   remaining: 12.4s
652: learn: 0.0523337    total: 23.2s   remaining: 12.3s
653: learn: 0.0522597    total: 23.2s   remaining: 12.3s
654: learn: 0.0521826    total: 23.2s   remaining: 12.2s
655: learn: 0.0521069    total: 23.3s   remaining: 12.2s
656: learn: 0.0520211    total: 23.3s   remaining: 12.2s
657: learn: 0.0519290    total: 23.4s   remaining: 12.1s
658: learn: 0.0518221    total: 23.4s   remaining: 12.1s
659: learn: 0.0517372    total: 23.4s   remaining: 12.1s
660: learn: 0.0517296    total: 23.5s   remaining: 12s
661: learn: 0.0516828    total: 23.5s   remaining: 12s
662: learn: 0.0515477    total: 23.5s   remaining: 11.9s
663: learn: 0.0515307    total: 23.5s   remaining: 11.9s
664: learn: 0.0514733    total: 23.5s   remaining: 11.9s
665: learn: 0.0514124    total: 23.5s   remaining: 11.8s
666: learn: 0.0513266    total: 23.6s   remaining: 11.8s
667: learn: 0.0512109    total: 23.6s   remaining: 11.7s
668: learn: 0.0511353    total: 23.6s   remaining: 11.7s
669: learn: 0.0510660    total: 23.6s   remaining: 11.6s
670: learn: 0.0509931    total: 23.7s   remaining: 11.6s
671: learn: 0.0509351    total: 23.7s   remaining: 11.6s
672: learn: 0.0508479    total: 23.7s   remaining: 11.5s
673: learn: 0.0507623    total: 23.8s   remaining: 11.5s
674: learn: 0.0506543    total: 23.9s   remaining: 11.5s
675: learn: 0.0505730    total: 23.9s   remaining: 11.5s
676: learn: 0.0504971    total: 23.9s   remaining: 11.4s
677: learn: 0.0504171    total: 23.9s   remaining: 11.4s
678: learn: 0.0503398    total: 24s     remaining: 11.3s
679: learn: 0.0502494    total: 24s     remaining: 11.3s
680: learn: 0.0501678    total: 24s     remaining: 11.3s
681: learn: 0.0501595    total: 24.1s   remaining: 11.3s
682: learn: 0.0500953    total: 24.2s   remaining: 11.2s
683: learn: 0.0500285    total: 24.3s   remaining: 11.2s
684: learn: 0.0499552    total: 24.4s   remaining: 11.2s
685: learn: 0.0499243    total: 24.4s   remaining: 11.1s
686: learn: 0.0498490    total: 24.4s   remaining: 11.1s
687: learn: 0.0497631    total: 24.5s   remaining: 11.1s
688: learn: 0.0496835    total: 24.5s   remaining: 11.1s
689: learn: 0.0496297    total: 24.5s   remaining: 11s
690: learn: 0.0495429    total: 24.6s   remaining: 11s
691: learn: 0.0494546    total: 24.7s   remaining: 11s
692: learn: 0.0494183    total: 24.7s   remaining: 11s
693: learn: 0.0493229    total: 24.7s   remaining: 10.9s
694: learn: 0.0492309    total: 24.8s   remaining: 10.9s
695: learn: 0.0491871    total: 24.8s   remaining: 10.8s
696: learn: 0.0490651    total: 24.8s   remaining: 10.8s
697: learn: 0.0489893    total: 24.9s   remaining: 10.8s
698: learn: 0.0489831    total: 24.9s   remaining: 10.7s
699: learn: 0.0489088    total: 24.9s   remaining: 10.7s
700: learn: 0.0488230    total: 25s     remaining: 10.6s
701: learn: 0.0487518    total: 25s     remaining: 10.6s
702: learn: 0.0486880    total: 25s     remaining: 10.6s
703: learn: 0.0485988    total: 25.1s   remaining: 10.5s
704: learn: 0.0485387    total: 25.1s   remaining: 10.5s
705: learn: 0.0484558    total: 25.1s   remaining: 10.4s
706: learn: 0.0484138    total: 25.1s   remaining: 10.4s
707: learn: 0.0483103    total: 25.2s   remaining: 10.4s
708: learn: 0.0482173    total: 25.2s   remaining: 10.3s

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		houses_kaggle_competition_refined
709:	learn: 0.0481401	total: 25.2s remaining: 10.3s
710:	learn: 0.0481242	total: 25.2s remaining: 10.2s
711:	learn: 0.0480832	total: 25.2s remaining: 10.2s
712:	learn: 0.0480375	total: 25.2s remaining: 10.2s
713:	learn: 0.0479529	total: 25.3s remaining: 10.1s
714:	learn: 0.0478850	total: 25.3s remaining: 10.1s
715:	learn: 0.0478155	total: 25.3s remaining: 10s
716:	learn: 0.0477787	total: 25.3s remaining: 10s
717:	learn: 0.0477354	total: 25.5s remaining: 10s
718:	learn: 0.0477281	total: 25.5s remaining: 9.96s
719:	learn: 0.0476907	total: 25.5s remaining: 9.92s
720:	learn: 0.0476297	total: 25.5s remaining: 9.88s
721:	learn: 0.0475509	total: 25.6s remaining: 9.85s
722:	learn: 0.0475059	total: 25.6s remaining: 9.82s
723:	learn: 0.0474594	total: 25.7s remaining: 9.79s
724:	learn: 0.0473913	total: 25.7s remaining: 9.75s
725:	learn: 0.0473530	total: 25.7s remaining: 9.71s
726:	learn: 0.0473164	total: 25.7s remaining: 9.67s
727:	learn: 0.0472507	total: 25.8s remaining: 9.63s
728:	learn: 0.0471520	total: 25.8s remaining: 9.59s
729:	learn: 0.0471016	total: 25.8s remaining: 9.55s
730:	learn: 0.0470715	total: 25.8s remaining: 9.51s
731:	learn: 0.0470396	total: 25.9s remaining: 9.46s
732:	learn: 0.0469895	total: 25.9s remaining: 9.43s
733:	learn: 0.0469026	total: 25.9s remaining: 9.39s
734:	learn: 0.0468853	total: 25.9s remaining: 9.35s
735:	learn: 0.0468462	total: 25.9s remaining: 9.3s
736:	learn: 0.0468186	total: 25.9s remaining: 9.26s
737:	learn: 0.0467873	total: 25.9s remaining: 9.21s
738:	learn: 0.0467605	total: 26s remaining: 9.17s
739:	learn: 0.0467049	total: 26s remaining: 9.12s
739:	learn: 0.0424029	total: 24.7s remaining: 8.68s
740:	learn: 0.0423493	total: 24.9s remaining: 8.7s
741:	learn: 0.0423087	total: 24.9s remaining: 8.67s
742:	learn: 0.0422470	total: 25s remaining: 8.63s
743:	learn: 0.0422011	total: 25s remaining: 8.6s
744:	learn: 0.0421567	total: 25s remaining: 8.57s
745:	learn: 0.0420848	total: 25.1s remaining: 8.53s
746:	learn: 0.0420223	total: 25.1s remaining: 8.51s
747:	learn: 0.0419920	total: 25.1s remaining: 8.47s
748:	learn: 0.0419448	total: 25.2s remaining: 8.45s
749:	learn: 0.0419004	total: 25.3s remaining: 8.43s
750:	learn: 0.0418217	total: 25.3s remaining: 8.39s
751:	learn: 0.0417791	total: 25.3s remaining: 8.35s
752:	learn: 0.0417528	total: 25.4s remaining: 8.32s
753:	learn: 0.0417205	total: 25.4s remaining: 8.28s
754:	learn: 0.0416505	total: 25.4s remaining: 8.24s
755:	learn: 0.0415831	total: 25.4s remaining: 8.2s
756:	learn: 0.0415273	total: 25.4s remaining: 8.15s
757:	learn: 0.0414679	total: 25.4s remaining: 8.11s
758:	learn: 0.0414115	total: 25.4s remaining: 8.07s
759:	learn: 0.0413552	total: 25.4s remaining: 8.03s
760:	learn: 0.0412948	total: 25.5s remaining: 7.99s
761:	learn: 0.0412408	total: 25.5s remaining: 7.95s
762:	learn: 0.0411845	total: 25.5s remaining: 7.92s
763:	learn: 0.0411373	total: 25.5s remaining: 7.88s
764:	learn: 0.0411270	total: 25.5s remaining: 7.84s
765:	learn: 0.0410505	total: 25.5s remaining: 7.8s
766:	learn: 0.0410196	total: 25.6s remaining: 7.76s
767:	learn: 0.0409967	total: 25.6s remaining: 7.73s
768:	learn: 0.0409554	total: 25.6s remaining: 7.69s
769:	learn: 0.0408795	total: 25.6s remaining: 7.65s
770:	learn: 0.0408247	total: 25.6s remaining: 7.62s
771:	learn: 0.0408228	total: 25.7s remaining: 7.59s

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772: learn: 0.0407769    total: 25.8s  remaining: 7.57s
773: learn: 0.0407157    total: 25.8s  remaining: 7.54s
774: learn: 0.0406524    total: 25.9s  remaining: 7.51s
775: learn: 0.0405997    total: 25.9s  remaining: 7.48s
776: learn: 0.0405833    total: 25.9s  remaining: 7.45s
777: learn: 0.0405159    total: 26s    remaining: 7.41s
778: learn: 0.0404756    total: 26s    remaining: 7.37s
779: learn: 0.0404153    total: 26s    remaining: 7.34s
780: learn: 0.0403600    total: 26s    remaining: 7.3s
781: learn: 0.0403352    total: 26.1s  remaining: 7.26s
782: learn: 0.0402657    total: 26.1s  remaining: 7.24s
783: learn: 0.0402142    total: 26.1s  remaining: 7.2s
784: learn: 0.0401643    total: 26.1s  remaining: 7.16s
785: learn: 0.0400816    total: 26.2s  remaining: 7.12s
786: learn: 0.0400478    total: 26.2s  remaining: 7.09s
787: learn: 0.0400333    total: 26.2s  remaining: 7.05s
788: learn: 0.0400025    total: 26.2s  remaining: 7s
789: learn: 0.0399792    total: 26.2s  remaining: 6.97s
790: learn: 0.0399276    total: 26.2s  remaining: 6.93s
791: learn: 0.0398442    total: 26.3s  remaining: 6.89s
792: learn: 0.0397818    total: 26.3s  remaining: 6.86s
793: learn: 0.0397422    total: 26.3s  remaining: 6.82s
794: learn: 0.0396784    total: 26.3s  remaining: 6.78s
795: learn: 0.0396291    total: 26.3s  remaining: 6.74s
796: learn: 0.0395724    total: 26.3s  remaining: 6.7s
797: learn: 0.0395086    total: 26.3s  remaining: 6.66s
798: learn: 0.0394617    total: 26.3s  remaining: 6.62s
799: learn: 0.0394000    total: 26.3s  remaining: 6.58s
800: learn: 0.0393556    total: 26.3s  remaining: 6.54s
801: learn: 0.0393197    total: 26.3s  remaining: 6.5s
802: learn: 0.0392418    total: 26.3s  remaining: 6.46s
803: learn: 0.0392061    total: 26.3s  remaining: 6.42s
804: learn: 0.0391459    total: 26.3s  remaining: 6.38s
805: learn: 0.0390935    total: 26.3s  remaining: 6.34s
806: learn: 0.0390216    total: 26.3s  remaining: 6.3s
807: learn: 0.0389807    total: 26.3s  remaining: 6.26s
808: learn: 0.0389320    total: 26.4s  remaining: 6.22s
809: learn: 0.0388732    total: 26.4s  remaining: 6.19s
810: learn: 0.0388548    total: 26.4s  remaining: 6.16s
811: learn: 0.0388187    total: 26.5s  remaining: 6.13s
812: learn: 0.0387734    total: 26.5s  remaining: 6.09s
813: learn: 0.0387298    total: 26.5s  remaining: 6.06s
814: learn: 0.0387069    total: 26.5s  remaining: 6.02s
815: learn: 0.0386659    total: 26.5s  remaining: 5.98s
816: learn: 0.0386236    total: 26.5s  remaining: 5.95s
817: learn: 0.0385980    total: 26.6s  remaining: 5.92s
818: learn: 0.0385838    total: 26.6s  remaining: 5.88s
819: learn: 0.0385308    total: 26.6s  remaining: 5.84s
820: learn: 0.0385287    total: 26.6s  remaining: 5.81s
821: learn: 0.0384505    total: 26.7s  remaining: 5.77s
822: learn: 0.0383878    total: 26.7s  remaining: 5.73s
823: learn: 0.0383592    total: 26.7s  remaining: 5.7s
824: learn: 0.0383045    total: 26.7s  remaining: 5.67s
825: learn: 0.0382956    total: 26.8s  remaining: 5.63s
826: learn: 0.0382445    total: 26.8s  remaining: 5.6s
827: learn: 0.0381994    total: 26.8s  remaining: 5.57s
828: learn: 0.0381311    total: 26.8s  remaining: 5.53s
829: learn: 0.0380818    total: 26.8s  remaining: 5.5s
830: learn: 0.0380611    total: 26.8s  remaining: 5.46s
831: learn: 0.0380592    total: 26.9s  remaining: 5.42s
832: learn: 0.0380380    total: 26.9s  remaining: 5.39s
833: learn: 0.0379667    total: 26.9s  remaining: 5.35s
834: learn: 0.0379141    total: 26.9s  remaining: 5.32s
835: learn: 0.0378241    total: 26.9s  remaining: 5.28s

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836: learn: 0.0377786      total: 26.9s  remaining: 5.25s
837: learn: 0.0377421      total: 26.9s  remaining: 5.21s
838: learn: 0.0376899      total: 27s    remaining: 5.17s
839: learn: 0.0376416      total: 27s    remaining: 5.14s
840: learn: 0.0376191      total: 27s    remaining: 5.11s
841: learn: 0.0375530      total: 27s    remaining: 5.07s
842: learn: 0.0375159      total: 27s    remaining: 5.04s
843: learn: 0.0374754      total: 27s    remaining: 5s
844: learn: 0.0374342      total: 27.1s  remaining: 4.96s
845: learn: 0.0374101      total: 27.1s  remaining: 4.93s
846: learn: 0.0373597      total: 27.1s  remaining: 4.89s
847: learn: 0.0372917      total: 27.1s  remaining: 4.86s
848: learn: 0.0372638      total: 27.1s  remaining: 4.82s
849: learn: 0.0372325      total: 27.1s  remaining: 4.78s
850: learn: 0.0371892      total: 27.1s  remaining: 4.75s
851: learn: 0.0371455      total: 27.1s  remaining: 4.71s
852: learn: 0.0370904      total: 27.1s  remaining: 4.68s
853: learn: 0.0370576      total: 27.2s  remaining: 4.65s
854: learn: 0.0370217      total: 27.2s  remaining: 4.62s
855: learn: 0.0369441      total: 27.3s  remaining: 4.58s
856: learn: 0.0368998      total: 27.3s  remaining: 4.55s
857: learn: 0.0368424      total: 27.3s  remaining: 4.51s
858: learn: 0.0368285      total: 27.3s  remaining: 4.48s
859: learn: 0.0367883      total: 27.3s  remaining: 4.45s
860: learn: 0.0367362      total: 27.3s  remaining: 4.41s
861: learn: 0.0367001      total: 27.4s  remaining: 4.38s
862: learn: 0.0366609      total: 27.4s  remaining: 4.34s
863: learn: 0.0366351      total: 27.4s  remaining: 4.32s
864: learn: 0.0366058      total: 27.5s  remaining: 4.29s
865: learn: 0.0365513      total: 27.5s  remaining: 4.25s
866: learn: 0.0365430      total: 27.5s  remaining: 4.22s
867: learn: 0.0365243      total: 27.5s  remaining: 4.18s
868: learn: 0.0364697      total: 27.5s  remaining: 4.15s
869: learn: 0.0364238      total: 27.5s  remaining: 4.11s
870: learn: 0.0364090      total: 27.6s  remaining: 4.08s
871: learn: 0.0363539      total: 27.6s  remaining: 4.05s
872: learn: 0.0363027      total: 27.6s  remaining: 4.02s
873: learn: 0.0362606      total: 27.6s  remaining: 3.98s
874: learn: 0.0361985      total: 27.7s  remaining: 3.95s
875: learn: 0.0361324      total: 27.7s  remaining: 3.92s
876: learn: 0.0360738      total: 27.7s  remaining: 3.89s
877: learn: 0.0360407      total: 27.7s  remaining: 3.85s
878: learn: 0.0359923      total: 27.8s  remaining: 3.82s
879: learn: 0.0359351      total: 27.8s  remaining: 3.79s
880: learn: 0.0358774      total: 27.8s  remaining: 3.76s
881: learn: 0.0358254      total: 27.8s  remaining: 3.73s
882: learn: 0.0357804      total: 27.9s  remaining: 3.69s
883: learn: 0.0357261      total: 27.9s  remaining: 3.66s
884: learn: 0.0356898      total: 27.9s  remaining: 3.63s
885: learn: 0.0356745      total: 28s    remaining: 3.6s
886: learn: 0.0356347      total: 28s    remaining: 3.56s
887: learn: 0.0355981      total: 28s    remaining: 3.53s
888: learn: 0.0355462      total: 28s    remaining: 3.5s
889: learn: 0.0355225      total: 28s    remaining: 3.46s
890: learn: 0.0355123      total: 28s    remaining: 3.43s
891: learn: 0.0354938      total: 28.1s  remaining: 3.4s
892: learn: 0.0354668      total: 28.1s  remaining: 3.36s
893: learn: 0.0354454      total: 28.1s  remaining: 3.33s
894: learn: 0.0354147      total: 28.1s  remaining: 3.3s
895: learn: 0.0353929      total: 28.1s  remaining: 3.26s
896: learn: 0.0353264      total: 28.1s  remaining: 3.23s
742: learn: 0.0454382      total: 25.3s  remaining: 8.75s
743: learn: 0.0453972      total: 25.3s  remaining: 8.7s
744: learn: 0.0453539      total: 25.4s  remaining: 8.68s

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745: learn: 0.0453095    total: 25.4s  remaining: 8.64s
746: learn: 0.0452654    total: 25.4s  remaining: 8.6s
747: learn: 0.0452084    total: 25.4s  remaining: 8.55s
748: learn: 0.0451627    total: 25.4s  remaining: 8.52s
749: learn: 0.0451424    total: 25.5s  remaining: 8.49s
750: learn: 0.0450714    total: 25.5s  remaining: 8.45s
751: learn: 0.0450139    total: 25.5s  remaining: 8.41s
752: learn: 0.0449653    total: 25.5s  remaining: 8.37s
753: learn: 0.0449238    total: 25.5s  remaining: 8.32s
754: learn: 0.0448673    total: 25.5s  remaining: 8.29s
755: learn: 0.0448517    total: 25.5s  remaining: 8.25s
756: learn: 0.0448350    total: 25.6s  remaining: 8.21s
757: learn: 0.0447769    total: 25.6s  remaining: 8.18s
758: learn: 0.0446925    total: 25.6s  remaining: 8.14s
759: learn: 0.0446346    total: 25.7s  remaining: 8.11s
760: learn: 0.0445759    total: 25.7s  remaining: 8.06s
761: learn: 0.0445117    total: 25.7s  remaining: 8.02s
762: learn: 0.0444620    total: 25.7s  remaining: 7.98s
763: learn: 0.0444170    total: 25.7s  remaining: 7.95s
764: learn: 0.0443808    total: 25.8s  remaining: 7.91s
765: learn: 0.0443693    total: 25.8s  remaining: 7.88s
766: learn: 0.0443531    total: 25.8s  remaining: 7.84s
767: learn: 0.0443074    total: 25.8s  remaining: 7.81s
768: learn: 0.0442387    total: 25.9s  remaining: 7.77s
769: learn: 0.0441930    total: 25.9s  remaining: 7.73s
770: learn: 0.0441478    total: 25.9s  remaining: 7.69s
771: learn: 0.0441014    total: 25.9s  remaining: 7.65s
772: learn: 0.0440839    total: 25.9s  remaining: 7.61s
773: learn: 0.0440295    total: 25.9s  remaining: 7.57s
774: learn: 0.0440139    total: 25.9s  remaining: 7.53s
775: learn: 0.0439542    total: 25.9s  remaining: 7.49s
776: learn: 0.0438582    total: 25.9s  remaining: 7.45s
777: learn: 0.0438130    total: 26s   remaining: 7.41s
778: learn: 0.0437441    total: 26s   remaining: 7.37s
779: learn: 0.0436936    total: 26s   remaining: 7.34s
780: learn: 0.0436897    total: 26s   remaining: 7.3s
781: learn: 0.0436548    total: 26s   remaining: 7.26s
782: learn: 0.0436232    total: 26.1s  remaining: 7.22s
783: learn: 0.0436197    total: 26.1s  remaining: 7.18s
784: learn: 0.0435996    total: 26.1s  remaining: 7.15s
785: learn: 0.0435029    total: 26.1s  remaining: 7.11s
786: learn: 0.0434993    total: 26.1s  remaining: 7.07s
787: learn: 0.0434310    total: 26.2s  remaining: 7.04s
788: learn: 0.0434073    total: 26.2s  remaining: 7s
789: learn: 0.0433404    total: 26.2s  remaining: 6.96s
790: learn: 0.0432850    total: 26.2s  remaining: 6.92s
791: learn: 0.0432147    total: 26.2s  remaining: 6.87s
792: learn: 0.0431553    total: 26.2s  remaining: 6.83s
793: learn: 0.0430871    total: 26.2s  remaining: 6.8s
794: learn: 0.0430675    total: 26.2s  remaining: 6.77s
795: learn: 0.0430152    total: 26.3s  remaining: 6.73s
796: learn: 0.0429560    total: 26.3s  remaining: 6.69s
797: learn: 0.0429130    total: 26.3s  remaining: 6.65s
798: learn: 0.0428825    total: 26.3s  remaining: 6.62s
799: learn: 0.0428075    total: 26.3s  remaining: 6.58s
800: learn: 0.0427933    total: 26.4s  remaining: 6.55s
801: learn: 0.0427266    total: 26.4s  remaining: 6.52s
802: learn: 0.0426532    total: 26.5s  remaining: 6.49s
803: learn: 0.0426201    total: 26.5s  remaining: 6.45s
804: learn: 0.0425727    total: 26.5s  remaining: 6.42s
805: learn: 0.0425599    total: 26.5s  remaining: 6.38s
806: learn: 0.0425012    total: 26.5s  remaining: 6.34s
807: learn: 0.0424377    total: 26.6s  remaining: 6.31s
808: learn: 0.0423894    total: 26.6s  remaining: 6.27s

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809: learn: 0.0423859    total: 26.6s  remaining: 6.24s
810: learn: 0.0423198    total: 26.6s  remaining: 6.2s
811: learn: 0.0422472    total: 26.6s  remaining: 6.16s
812: learn: 0.0421931    total: 26.6s  remaining: 6.13s
813: learn: 0.0421472    total: 26.7s  remaining: 6.09s
814: learn: 0.0420791    total: 26.7s  remaining: 6.06s
815: learn: 0.0420750    total: 26.7s  remaining: 6.02s
816: learn: 0.0420064    total: 26.7s  remaining: 5.99s
817: learn: 0.0419431    total: 26.8s  remaining: 5.95s
818: learn: 0.0418721    total: 26.8s  remaining: 5.91s
819: learn: 0.0418075    total: 26.8s  remaining: 5.88s
820: learn: 0.0417352    total: 26.8s  remaining: 5.84s
821: learn: 0.0416897    total: 26.8s  remaining: 5.81s
822: learn: 0.0416274    total: 26.8s  remaining: 5.77s
823: learn: 0.0415845    total: 26.9s  remaining: 5.74s
824: learn: 0.0415633    total: 26.9s  remaining: 5.7s
825: learn: 0.0415433    total: 26.9s  remaining: 5.67s
826: learn: 0.0415165    total: 26.9s  remaining: 5.64s
827: learn: 0.0414533    total: 27s   remaining: 5.6s
828: learn: 0.0414174    total: 27s   remaining: 5.57s
829: learn: 0.0413531    total: 27s   remaining: 5.53s
830: learn: 0.0412992    total: 27s   remaining: 5.5s
831: learn: 0.0412704    total: 27.1s  remaining: 5.46s
832: learn: 0.0412107    total: 27.1s  remaining: 5.43s
833: learn: 0.0411807    total: 27.1s  remaining: 5.39s
834: learn: 0.0411601    total: 27.1s  remaining: 5.36s
835: learn: 0.0411223    total: 27.1s  remaining: 5.32s
836: learn: 0.0410634    total: 27.1s  remaining: 5.29s
837: learn: 0.0409878    total: 27.1s  remaining: 5.25s
838: learn: 0.0409527    total: 27.2s  remaining: 5.21s
839: learn: 0.0409039    total: 27.2s  remaining: 5.18s
840: learn: 0.0408607    total: 27.2s  remaining: 5.14s
841: learn: 0.0408140    total: 27.2s  remaining: 5.11s
842: learn: 0.0407530    total: 27.2s  remaining: 5.07s
843: learn: 0.0407321    total: 27.3s  remaining: 5.04s
844: learn: 0.0407134    total: 27.3s  remaining: 5s
845: learn: 0.0407089    total: 27.3s  remaining: 4.96s
846: learn: 0.0406482    total: 27.3s  remaining: 4.93s
847: learn: 0.0406238    total: 27.3s  remaining: 4.89s
848: learn: 0.0405593    total: 27.3s  remaining: 4.86s
849: learn: 0.0405101    total: 27.3s  remaining: 4.82s
850: learn: 0.0405001    total: 27.3s  remaining: 4.79s
851: learn: 0.0404542    total: 27.4s  remaining: 4.75s
852: learn: 0.0404132    total: 27.4s  remaining: 4.72s
853: learn: 0.0403661    total: 27.4s  remaining: 4.68s
854: learn: 0.0403398    total: 27.4s  remaining: 4.65s
855: learn: 0.0402684    total: 27.4s  remaining: 4.61s
856: learn: 0.0402489    total: 27.4s  remaining: 4.58s
857: learn: 0.0402292    total: 27.5s  remaining: 4.55s
858: learn: 0.0402247    total: 27.5s  remaining: 4.51s
859: learn: 0.0401747    total: 27.5s  remaining: 4.48s
860: learn: 0.0401619    total: 27.5s  remaining: 4.44s
861: learn: 0.0401081    total: 27.5s  remaining: 4.41s
862: learn: 0.0400903    total: 27.5s  remaining: 4.37s
863: learn: 0.0400442    total: 27.5s  remaining: 4.33s
864: learn: 0.0400020    total: 27.6s  remaining: 4.3s
865: learn: 0.0399994    total: 27.6s  remaining: 4.27s
866: learn: 0.0399696    total: 27.6s  remaining: 4.24s
867: learn: 0.0398915    total: 27.7s  remaining: 4.21s
868: learn: 0.0398636    total: 27.7s  remaining: 4.17s
869: learn: 0.0398544    total: 27.7s  remaining: 4.14s
870: learn: 0.0397884    total: 27.7s  remaining: 4.11s
871: learn: 0.0397464    total: 27.7s  remaining: 4.07s
872: learn: 0.0396989    total: 27.8s  remaining: 4.04s

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873: learn: 0.0396959    total: 27.8s  remaining: 4s
874: learn: 0.0396669    total: 27.8s  remaining: 3.97s
875: learn: 0.0396472    total: 27.8s  remaining: 3.94s
876: learn: 0.0396000    total: 27.8s  remaining: 3.9s
877: learn: 0.0395582    total: 27.9s  remaining: 3.87s
878: learn: 0.0395432    total: 27.9s  remaining: 3.84s
879: learn: 0.0394822    total: 27.9s  remaining: 3.81s
880: learn: 0.0394374    total: 28s   remaining: 3.78s
881: learn: 0.0393779    total: 28s   remaining: 3.74s
882: learn: 0.0393400    total: 28s   remaining: 3.71s
883: learn: 0.0392757    total: 28s   remaining: 3.67s
884: learn: 0.0392725    total: 28s   remaining: 3.64s
885: learn: 0.0392378    total: 28s   remaining: 3.61s
886: learn: 0.0392159    total: 28s   remaining: 3.57s
887: learn: 0.0392033    total: 28.1s  remaining: 3.54s
888: learn: 0.0391615    total: 28.1s  remaining: 3.5s
889: learn: 0.0391182    total: 28.1s  remaining: 3.47s
890: learn: 0.0390880    total: 28.1s  remaining: 3.44s
891: learn: 0.0390197    total: 28.1s  remaining: 3.4s
892: learn: 0.0389765    total: 28.1s  remaining: 3.37s
893: learn: 0.0389611    total: 28.1s  remaining: 3.34s
894: learn: 0.0388983    total: 28.1s  remaining: 3.3s
895: learn: 0.0388725    total: 28.2s  remaining: 3.27s
896: learn: 0.0388303    total: 28.2s  remaining: 3.23s
897: learn: 0.0387688    total: 28.2s  remaining: 3.2s
898: learn: 0.0387122    total: 28.2s  remaining: 3.17s
899: learn: 0.0386915    total: 28.3s  remaining: 3.14s
740: learn: 0.0439936    total: 25.4s  remaining: 8.87s
741: learn: 0.0439558    total: 25.4s  remaining: 8.84s
742: learn: 0.0439104    total: 25.5s  remaining: 8.82s
743: learn: 0.0438665    total: 25.5s  remaining: 8.78s
744: learn: 0.0437791    total: 25.5s  remaining: 8.74s
745: learn: 0.0437752    total: 25.6s  remaining: 8.71s
746: learn: 0.0437055    total: 25.6s  remaining: 8.67s
747: learn: 0.0436226    total: 25.6s  remaining: 8.63s
748: learn: 0.0435309    total: 25.7s  remaining: 8.6s
749: learn: 0.0434487    total: 25.7s  remaining: 8.56s
750: learn: 0.0433911    total: 25.7s  remaining: 8.52s
751: learn: 0.0433531    total: 25.7s  remaining: 8.48s
752: learn: 0.0433063    total: 25.7s  remaining: 8.44s
753: learn: 0.0433006    total: 25.7s  remaining: 8.4s
754: learn: 0.0432194    total: 25.7s  remaining: 8.36s
755: learn: 0.0431908    total: 25.8s  remaining: 8.31s
756: learn: 0.0431561    total: 25.8s  remaining: 8.27s
757: learn: 0.0430938    total: 25.8s  remaining: 8.24s
758: learn: 0.0430509    total: 25.8s  remaining: 8.2s
759: learn: 0.0430020    total: 25.9s  remaining: 8.17s
760: learn: 0.0429523    total: 25.9s  remaining: 8.13s
761: learn: 0.0429060    total: 25.9s  remaining: 8.1s
762: learn: 0.0428508    total: 25.9s  remaining: 8.06s
763: learn: 0.0428060    total: 26s   remaining: 8.02s
764: learn: 0.0427697    total: 26s   remaining: 7.97s
765: learn: 0.0427171    total: 26s   remaining: 7.93s
766: learn: 0.0426723    total: 26s   remaining: 7.89s
767: learn: 0.0425981    total: 26s   remaining: 7.85s
768: learn: 0.0425285    total: 26s   remaining: 7.82s
769: learn: 0.0424843    total: 26s   remaining: 7.78s
770: learn: 0.0423924    total: 26.1s  remaining: 7.75s
771: learn: 0.0423680    total: 26.1s  remaining: 7.71s
772: learn: 0.0423330    total: 26.1s  remaining: 7.67s
773: learn: 0.0423290    total: 26.1s  remaining: 7.63s
774: learn: 0.0422943    total: 26.2s  remaining: 7.6s
775: learn: 0.0422864    total: 26.2s  remaining: 7.56s
776: learn: 0.0422240    total: 26.2s  remaining: 7.52s

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		houses_kaggle_competition_refined
777:	learn: 0.0421543	total: 26.2s remaining: 7.48s
778:	learn: 0.0421117	total: 26.3s remaining: 7.45s
779:	learn: 0.0420391	total: 26.3s remaining: 7.42s
780:	learn: 0.0420004	total: 26.3s remaining: 7.38s
781:	learn: 0.0419602	total: 26.3s remaining: 7.34s
782:	learn: 0.0418637	total: 26.3s remaining: 7.3s
783:	learn: 0.0417985	total: 26.4s remaining: 7.26s
784:	learn: 0.0417489	total: 26.4s remaining: 7.23s
785:	learn: 0.0417144	total: 26.4s remaining: 7.19s
786:	learn: 0.0416621	total: 26.4s remaining: 7.15s
787:	learn: 0.0416038	total: 26.5s remaining: 7.12s
788:	learn: 0.0415226	total: 26.5s remaining: 7.09s
789:	learn: 0.0414719	total: 26.5s remaining: 7.05s
790:	learn: 0.0414266	total: 26.5s remaining: 7.01s
791:	learn: 0.0413676	total: 26.6s remaining: 6.99s
792:	learn: 0.0413268	total: 26.6s remaining: 6.95s
793:	learn: 0.0412606	total: 26.6s remaining: 6.91s
794:	learn: 0.0412322	total: 26.6s remaining: 6.87s
795:	learn: 0.0411953	total: 26.6s remaining: 6.83s
796:	learn: 0.0411464	total: 26.7s remaining: 6.79s
797:	learn: 0.0410738	total: 26.7s remaining: 6.75s
798:	learn: 0.0410704	total: 26.7s remaining: 6.71s
799:	learn: 0.0410281	total: 26.7s remaining: 6.67s
800:	learn: 0.0409953	total: 26.7s remaining: 6.64s
801:	learn: 0.0409187	total: 26.7s remaining: 6.6s
802:	learn: 0.0408613	total: 26.8s remaining: 6.56s
803:	learn: 0.0408223	total: 26.8s remaining: 6.52s
804:	learn: 0.0407676	total: 26.8s remaining: 6.49s
805:	learn: 0.0407015	total: 26.8s remaining: 6.45s
806:	learn: 0.0406537	total: 26.8s remaining: 6.42s
807:	learn: 0.0406119	total: 26.8s remaining: 6.38s
808:	learn: 0.0405663	total: 26.9s remaining: 6.34s
809:	learn: 0.0404830	total: 26.9s remaining: 6.3s
810:	learn: 0.0404375	total: 26.9s remaining: 6.27s
811:	learn: 0.0403924	total: 26.9s remaining: 6.23s
812:	learn: 0.0403176	total: 26.9s remaining: 6.2s
813:	learn: 0.0402755	total: 26.9s remaining: 6.16s
814:	learn: 0.0402487	total: 27s remaining: 6.12s
815:	learn: 0.0401727	total: 27s remaining: 6.09s
816:	learn: 0.0400770	total: 27s remaining: 6.05s
817:	learn: 0.0400155	total: 27s remaining: 6.01s
818:	learn: 0.0400110	total: 27s remaining: 5.98s
819:	learn: 0.0399748	total: 27.1s remaining: 5.94s
820:	learn: 0.0399465	total: 27.1s remaining: 5.9s
821:	learn: 0.0398850	total: 27.1s remaining: 5.87s
822:	learn: 0.0398516	total: 27.1s remaining: 5.83s
823:	learn: 0.0397994	total: 27.1s remaining: 5.79s
824:	learn: 0.0397259	total: 27.1s remaining: 5.75s
825:	learn: 0.0396912	total: 27.1s remaining: 5.72s
826:	learn: 0.0396144	total: 27.2s remaining: 5.69s
827:	learn: 0.0395793	total: 27.2s remaining: 5.65s
828:	learn: 0.0395266	total: 27.2s remaining: 5.62s
829:	learn: 0.0394468	total: 27.3s remaining: 5.58s
830:	learn: 0.0393991	total: 27.3s remaining: 5.55s
831:	learn: 0.0393401	total: 27.3s remaining: 5.51s
832:	learn: 0.0392806	total: 27.3s remaining: 5.47s
833:	learn: 0.0392289	total: 27.3s remaining: 5.44s
834:	learn: 0.0391597	total: 27.3s remaining: 5.4s
835:	learn: 0.0390953	total: 27.4s remaining: 5.37s
836:	learn: 0.0390304	total: 27.4s remaining: 5.33s
837:	learn: 0.0389651	total: 27.5s remaining: 5.31s
838:	learn: 0.0389294	total: 27.5s remaining: 5.27s
839:	learn: 0.0389251	total: 27.5s remaining: 5.25s
840:	learn: 0.0388634	total: 27.6s remaining: 5.21s

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841: learn: 0.0388294      total: 27.6s  remaining: 5.18s
842: learn: 0.0387634      total: 27.6s  remaining: 5.14s
843: learn: 0.0386974      total: 27.7s  remaining: 5.12s
844: learn: 0.0386486      total: 27.7s  remaining: 5.08s
845: learn: 0.0385961      total: 27.7s  remaining: 5.04s
846: learn: 0.0385557      total: 27.7s  remaining: 5.01s
847: learn: 0.0384855      total: 27.7s  remaining: 4.97s
848: learn: 0.0384486      total: 27.8s  remaining: 4.94s
849: learn: 0.0384460      total: 27.8s  remaining: 4.9s
850: learn: 0.0383905      total: 27.8s  remaining: 4.86s
851: learn: 0.0383559      total: 27.8s  remaining: 4.82s
852: learn: 0.0382936      total: 27.8s  remaining: 4.79s
853: learn: 0.0382553      total: 27.8s  remaining: 4.75s
854: learn: 0.0382329      total: 27.8s  remaining: 4.72s
855: learn: 0.0381862      total: 27.8s  remaining: 4.68s
856: learn: 0.0381542      total: 27.8s  remaining: 4.64s
857: learn: 0.0380953      total: 27.8s  remaining: 4.61s
858: learn: 0.0380297      total: 27.8s  remaining: 4.57s
859: learn: 0.0379750      total: 27.9s  remaining: 4.53s
860: learn: 0.0379472      total: 27.9s  remaining: 4.5s
861: learn: 0.0379065      total: 27.9s  remaining: 4.46s
862: learn: 0.0378394      total: 27.9s  remaining: 4.43s
863: learn: 0.0378008      total: 27.9s  remaining: 4.39s
864: learn: 0.0377579      total: 27.9s  remaining: 4.36s
865: learn: 0.0377382      total: 27.9s  remaining: 4.32s
866: learn: 0.0376953      total: 27.9s  remaining: 4.28s
867: learn: 0.0376456      total: 27.9s  remaining: 4.25s
868: learn: 0.0376077      total: 28s   remaining: 4.21s
869: learn: 0.0375484      total: 28s   remaining: 4.18s
870: learn: 0.0375406      total: 28s   remaining: 4.14s
871: learn: 0.0375212      total: 28s   remaining: 4.11s
872: learn: 0.0374601      total: 28s   remaining: 4.07s
873: learn: 0.0374172      total: 28s   remaining: 4.04s
874: learn: 0.0373849      total: 28s   remaining: 4s
875: learn: 0.0373006      total: 28s   remaining: 3.97s
876: learn: 0.0372627      total: 28.1s  remaining: 3.93s
877: learn: 0.0371948      total: 28.1s  remaining: 3.9s
878: learn: 0.0371500      total: 28.1s  remaining: 3.86s
879: learn: 0.0371284      total: 28.1s  remaining: 3.83s
880: learn: 0.0370982      total: 28.1s  remaining: 3.79s
881: learn: 0.0370422      total: 28.1s  remaining: 3.76s
882: learn: 0.0370333      total: 28.1s  remaining: 3.72s
883: learn: 0.0369683      total: 28.1s  remaining: 3.69s
884: learn: 0.0369444      total: 28.1s  remaining: 3.65s
885: learn: 0.0368894      total: 28.2s  remaining: 3.62s
886: learn: 0.0368362      total: 28.2s  remaining: 3.59s
887: learn: 0.0368036      total: 28.2s  remaining: 3.56s
888: learn: 0.0367629      total: 28.3s  remaining: 3.53s
889: learn: 0.0367233      total: 28.3s  remaining: 3.5s
890: learn: 0.0366639      total: 28.3s  remaining: 3.47s
891: learn: 0.0366373      total: 28.4s  remaining: 3.43s
892: learn: 0.0366119      total: 28.4s  remaining: 3.4s
893: learn: 0.0365841      total: 28.4s  remaining: 3.37s
894: learn: 0.0365584      total: 28.4s  remaining: 3.33s
895: learn: 0.0365097      total: 28.4s  remaining: 3.3s
896: learn: 0.0364971      total: 28.4s  remaining: 3.26s
897: learn: 0.0364737      total: 28.5s  remaining: 3.23s
740: learn: 0.0466428      total: 26s   remaining: 9.09s
741: learn: 0.0466230      total: 26.1s  remaining: 9.06s
742: learn: 0.0465662      total: 26.1s  remaining: 9.02s
743: learn: 0.0465381      total: 26.1s  remaining: 8.98s
744: learn: 0.0464907      total: 26.1s  remaining: 8.94s
745: learn: 0.0464502      total: 26.2s  remaining: 8.9s
746: learn: 0.0463721      total: 26.2s  remaining: 8.86s

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		houses_kaggle_competition_refined
747:	learn: 0.0463414	total: 26.2s remaining: 8.82s
748:	learn: 0.0463018	total: 26.2s remaining: 8.78s
749:	learn: 0.0462370	total: 26.2s remaining: 8.73s
750:	learn: 0.0461727	total: 26.2s remaining: 8.69s
751:	learn: 0.0461211	total: 26.2s remaining: 8.65s
752:	learn: 0.0460379	total: 26.2s remaining: 8.61s
753:	learn: 0.0459943	total: 26.3s remaining: 8.57s
754:	learn: 0.0459552	total: 26.3s remaining: 8.53s
755:	learn: 0.0459173	total: 26.3s remaining: 8.5s
756:	learn: 0.0458793	total: 26.4s remaining: 8.46s
757:	learn: 0.0458487	total: 26.4s remaining: 8.42s
758:	learn: 0.0457802	total: 26.4s remaining: 8.38s
759:	learn: 0.0457322	total: 26.4s remaining: 8.35s
760:	learn: 0.0456608	total: 26.4s remaining: 8.3s
761:	learn: 0.0456570	total: 26.5s remaining: 8.27s
762:	learn: 0.0456164	total: 26.5s remaining: 8.24s
763:	learn: 0.0455627	total: 26.5s remaining: 8.2s
764:	learn: 0.0455119	total: 26.6s remaining: 8.16s
765:	learn: 0.0454431	total: 26.6s remaining: 8.13s
766:	learn: 0.0454389	total: 26.7s remaining: 8.1s
767:	learn: 0.0454319	total: 26.7s remaining: 8.06s
768:	learn: 0.0453929	total: 26.7s remaining: 8.03s
769:	learn: 0.0453661	total: 26.7s remaining: 7.99s
770:	learn: 0.0453571	total: 26.8s remaining: 7.95s
771:	learn: 0.0453459	total: 26.8s remaining: 7.91s
772:	learn: 0.0452575	total: 26.8s remaining: 7.86s
773:	learn: 0.0451879	total: 26.8s remaining: 7.83s
774:	learn: 0.0451253	total: 26.8s remaining: 7.79s
775:	learn: 0.0451101	total: 26.8s remaining: 7.75s
776:	learn: 0.0450473	total: 26.9s remaining: 7.71s
777:	learn: 0.0449843	total: 26.9s remaining: 7.68s
778:	learn: 0.0449039	total: 26.9s remaining: 7.63s
779:	learn: 0.0449012	total: 27s remaining: 7.6s
780:	learn: 0.0448952	total: 27s remaining: 7.56s
781:	learn: 0.0448291	total: 27s remaining: 7.52s
782:	learn: 0.0447474	total: 27s remaining: 7.49s
783:	learn: 0.0446873	total: 27s remaining: 7.45s
784:	learn: 0.0446592	total: 27.1s remaining: 7.41s
785:	learn: 0.0446142	total: 27.1s remaining: 7.37s
786:	learn: 0.0445437	total: 27.1s remaining: 7.33s
787:	learn: 0.0444767	total: 27.1s remaining: 7.29s
788:	learn: 0.0443927	total: 27.1s remaining: 7.25s
789:	learn: 0.0443152	total: 27.1s remaining: 7.21s
790:	learn: 0.0443016	total: 27.1s remaining: 7.17s
791:	learn: 0.0442981	total: 27.1s remaining: 7.13s
792:	learn: 0.0442533	total: 27.1s remaining: 7.09s
793:	learn: 0.0442226	total: 27.2s remaining: 7.05s
794:	learn: 0.0442198	total: 27.2s remaining: 7.02s
795:	learn: 0.0441774	total: 27.2s remaining: 6.98s
796:	learn: 0.0441398	total: 27.3s remaining: 6.94s
797:	learn: 0.0441205	total: 27.3s remaining: 6.91s
798:	learn: 0.0440518	total: 27.3s remaining: 6.87s
799:	learn: 0.0440246	total: 27.4s remaining: 6.84s
800:	learn: 0.0439652	total: 27.4s remaining: 6.81s
801:	learn: 0.0439381	total: 27.4s remaining: 6.77s
802:	learn: 0.0438862	total: 27.4s remaining: 6.73s
803:	learn: 0.0438517	total: 27.4s remaining: 6.69s
804:	learn: 0.0437948	total: 27.5s remaining: 6.65s
805:	learn: 0.0437559	total: 27.5s remaining: 6.63s
806:	learn: 0.0436882	total: 27.5s remaining: 6.58s
807:	learn: 0.0436177	total: 27.6s remaining: 6.55s
808:	learn: 0.0435472	total: 27.6s remaining: 6.52s
809:	learn: 0.0435143	total: 27.7s remaining: 6.49s
810:	learn: 0.0434367	total: 27.7s remaining: 6.45s

		houses_kaggle_competition_refined
811:	learn: 0.0433834	total: 27.7s remaining: 6.41s
812:	learn: 0.0433537	total: 27.7s remaining: 6.37s
813:	learn: 0.0433013	total: 27.7s remaining: 6.34s
814:	learn: 0.0432275	total: 27.8s remaining: 6.3s
815:	learn: 0.0432090	total: 27.8s remaining: 6.26s
816:	learn: 0.0431284	total: 27.8s remaining: 6.23s
817:	learn: 0.0430850	total: 27.8s remaining: 6.19s
818:	learn: 0.0430256	total: 27.9s remaining: 6.16s
819:	learn: 0.0429545	total: 27.9s remaining: 6.12s
820:	learn: 0.0428857	total: 27.9s remaining: 6.08s
821:	learn: 0.0428828	total: 27.9s remaining: 6.05s
822:	learn: 0.0428612	total: 28s remaining: 6.02s
823:	learn: 0.0427956	total: 28s remaining: 5.99s
824:	learn: 0.0427741	total: 28.1s remaining: 5.95s
825:	learn: 0.0427155	total: 28.1s remaining: 5.91s
826:	learn: 0.0426508	total: 28.1s remaining: 5.88s
827:	learn: 0.0425890	total: 28.1s remaining: 5.84s
828:	learn: 0.0425323	total: 28.1s remaining: 5.8s
829:	learn: 0.0424956	total: 28.1s remaining: 5.76s
830:	learn: 0.0424465	total: 28.1s remaining: 5.72s
831:	learn: 0.0423830	total: 28.1s remaining: 5.68s
832:	learn: 0.0423293	total: 28.1s remaining: 5.64s
833:	learn: 0.0423160	total: 28.2s remaining: 5.6s
834:	learn: 0.0422840	total: 28.2s remaining: 5.57s
835:	learn: 0.0422719	total: 28.2s remaining: 5.53s
836:	learn: 0.0422139	total: 28.2s remaining: 5.49s
837:	learn: 0.0421911	total: 28.2s remaining: 5.46s
838:	learn: 0.0421481	total: 28.2s remaining: 5.42s
839:	learn: 0.0420786	total: 28.2s remaining: 5.38s
840:	learn: 0.0420166	total: 28.3s remaining: 5.34s
841:	learn: 0.0420124	total: 28.3s remaining: 5.3s
842:	learn: 0.0419659	total: 28.3s remaining: 5.26s
843:	learn: 0.0419524	total: 28.3s remaining: 5.22s
844:	learn: 0.0419301	total: 28.3s remaining: 5.19s
845:	learn: 0.0418598	total: 28.3s remaining: 5.15s
846:	learn: 0.0418494	total: 28.3s remaining: 5.11s
847:	learn: 0.0418293	total: 28.3s remaining: 5.07s
848:	learn: 0.0418101	total: 28.3s remaining: 5.04s
849:	learn: 0.0417707	total: 28.3s remaining: 5s
850:	learn: 0.0417683	total: 28.3s remaining: 4.96s
851:	learn: 0.0417249	total: 28.4s remaining: 4.92s
852:	learn: 0.0417062	total: 28.4s remaining: 4.89s
853:	learn: 0.0416988	total: 28.4s remaining: 4.85s
854:	learn: 0.0416188	total: 28.4s remaining: 4.82s
855:	learn: 0.0416154	total: 28.4s remaining: 4.78s
856:	learn: 0.0415733	total: 28.4s remaining: 4.75s
857:	learn: 0.0415704	total: 28.4s remaining: 4.71s
858:	learn: 0.0415047	total: 28.5s remaining: 4.67s
859:	learn: 0.0414507	total: 28.5s remaining: 4.63s
860:	learn: 0.0413847	total: 28.5s remaining: 4.59s
861:	learn: 0.0413708	total: 28.5s remaining: 4.56s
862:	learn: 0.0413232	total: 28.5s remaining: 4.52s
863:	learn: 0.0412478	total: 28.5s remaining: 4.49s
864:	learn: 0.0412448	total: 28.5s remaining: 4.45s
865:	learn: 0.0412252	total: 28.5s remaining: 4.41s
866:	learn: 0.0412169	total: 28.5s remaining: 4.38s
867:	learn: 0.0412062	total: 28.6s remaining: 4.34s
868:	learn: 0.0412006	total: 28.6s remaining: 4.31s
869:	learn: 0.0411216	total: 28.6s remaining: 4.27s
870:	learn: 0.0410797	total: 28.6s remaining: 4.24s
871:	learn: 0.0410264	total: 28.7s remaining: 4.21s
872:	learn: 0.0410202	total: 28.7s remaining: 4.18s
873:	learn: 0.0409591	total: 28.8s remaining: 4.15s
874:	learn: 0.0408938	total: 28.8s remaining: 4.11s

```

875: learn: 0.0408902    total: 28.8s  remaining: 4.08s
876: learn: 0.0408346    total: 28.8s  remaining: 4.04s
877: learn: 0.0407781    total: 28.8s  remaining: 4.01s
878: learn: 0.0406878    total: 28.9s  remaining: 3.97s
879: learn: 0.0406359    total: 28.9s  remaining: 3.94s
880: learn: 0.0405671    total: 28.9s  remaining: 3.9s
881: learn: 0.0405443    total: 29s    remaining: 3.87s
882: learn: 0.0404902    total: 29s    remaining: 3.84s
883: learn: 0.0404651    total: 29s    remaining: 3.81s
884: learn: 0.0404250    total: 29s    remaining: 3.77s
885: learn: 0.0403822    total: 29.1s  remaining: 3.74s
886: learn: 0.0403759    total: 29.1s  remaining: 3.7s
887: learn: 0.0403583    total: 29.1s  remaining: 3.67s
888: learn: 0.0403294    total: 29.1s  remaining: 3.63s
889: learn: 0.0402725    total: 29.2s  remaining: 3.61s
890: learn: 0.0401984    total: 29.2s  remaining: 3.58s
891: learn: 0.0401466    total: 29.3s  remaining: 3.54s
892: learn: 0.0401371    total: 29.3s  remaining: 3.51s
893: learn: 0.0400959    total: 29.3s  remaining: 3.48s
894: learn: 0.0400417    total: 29.4s  remaining: 3.45s
895: learn: 0.0400140    total: 29.5s  remaining: 3.42s
896: learn: 0.0400114    total: 29.5s  remaining: 3.38s
897: learn: 0.0399529    total: 29.5s  remaining: 3.35s

```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
```

```

    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(

```

900:	learn: 0.0386481	total: 28.3s	remaining: 3.11s
901:	learn: 0.0386170	total: 28.3s	remaining: 3.08s
902:	learn: 0.0385717	total: 28.4s	remaining: 3.05s
903:	learn: 0.0385445	total: 28.4s	remaining: 3.02s
904:	learn: 0.0385127	total: 28.5s	remaining: 2.99s
905:	learn: 0.0384554	total: 28.5s	remaining: 2.96s
906:	learn: 0.0384175	total: 28.5s	remaining: 2.92s
907:	learn: 0.0383649	total: 28.6s	remaining: 2.89s
908:	learn: 0.0383260	total: 28.6s	remaining: 2.86s
909:	learn: 0.0382586	total: 28.6s	remaining: 2.83s
910:	learn: 0.0382002	total: 28.6s	remaining: 2.79s
911:	learn: 0.0381595	total: 28.6s	remaining: 2.76s
912:	learn: 0.0381029	total: 28.7s	remaining: 2.73s
913:	learn: 0.0380375	total: 28.7s	remaining: 2.7s
914:	learn: 0.0379964	total: 28.7s	remaining: 2.67s
915:	learn: 0.0379314	total: 28.7s	remaining: 2.63s
916:	learn: 0.0378920	total: 28.8s	remaining: 2.6s
917:	learn: 0.0378595	total: 28.8s	remaining: 2.57s
918:	learn: 0.0378012	total: 28.8s	remaining: 2.54s
919:	learn: 0.0377397	total: 28.9s	remaining: 2.51s
920:	learn: 0.0377087	total: 28.9s	remaining: 2.48s
921:	learn: 0.0376615	total: 28.9s	remaining: 2.45s
922:	learn: 0.0376279	total: 29s	remaining: 2.42s
923:	learn: 0.0375870	total: 29s	remaining: 2.39s
924:	learn: 0.0375196	total: 29.1s	remaining: 2.36s
925:	learn: 0.0374669	total: 29.1s	remaining: 2.33s
926:	learn: 0.0374361	total: 29.2s	remaining: 2.3s
927:	learn: 0.0373700	total: 29.2s	remaining: 2.27s
928:	learn: 0.0373296	total: 29.3s	remaining: 2.23s
929:	learn: 0.0372856	total: 29.3s	remaining: 2.2s
930:	learn: 0.0372463	total: 29.3s	remaining: 2.17s
931:	learn: 0.0372116	total: 29.4s	remaining: 2.14s
932:	learn: 0.0371638	total: 29.4s	remaining: 2.11s
933:	learn: 0.0371327	total: 29.4s	remaining: 2.08s
934:	learn: 0.0370875	total: 29.4s	remaining: 2.05s
935:	learn: 0.0370589	total: 29.5s	remaining: 2.01s
936:	learn: 0.0370398	total: 29.5s	remaining: 1.99s
937:	learn: 0.0369781	total: 29.6s	remaining: 1.95s
938:	learn: 0.0369556	total: 29.6s	remaining: 1.93s
939:	learn: 0.0369180	total: 29.7s	remaining: 1.89s
940:	learn: 0.0368770	total: 29.7s	remaining: 1.86s
941:	learn: 0.0368556	total: 29.7s	remaining: 1.83s
942:	learn: 0.0367907	total: 29.7s	remaining: 1.8s
943:	learn: 0.0367768	total: 29.8s	remaining: 1.76s
944:	learn: 0.0367323	total: 29.8s	remaining: 1.73s
945:	learn: 0.0367070	total: 29.8s	remaining: 1.7s
946:	learn: 0.0366711	total: 29.8s	remaining: 1.67s
947:	learn: 0.0366361	total: 29.8s	remaining: 1.64s
948:	learn: 0.0366127	total: 29.8s	remaining: 1.6s
949:	learn: 0.0365506	total: 29.8s	remaining: 1.57s
950:	learn: 0.0365101	total: 29.9s	remaining: 1.54s
951:	learn: 0.0364558	total: 29.9s	remaining: 1.5s
952:	learn: 0.0364096	total: 29.9s	remaining: 1.47s
953:	learn: 0.0363439	total: 29.9s	remaining: 1.44s
954:	learn: 0.0363140	total: 29.9s	remaining: 1.41s
955:	learn: 0.0362940	total: 29.9s	remaining: 1.38s
956:	learn: 0.0362062	total: 30s	remaining: 1.35s
957:	learn: 0.0361270	total: 30s	remaining: 1.31s
958:	learn: 0.0360913	total: 30s	remaining: 1.28s
959:	learn: 0.0360575	total: 30s	remaining: 1.25s
960:	learn: 0.0360443	total: 30.1s	remaining: 1.22s
961:	learn: 0.0360212	total: 30.1s	remaining: 1.19s
962:	learn: 0.0359737	total: 30.1s	remaining: 1.16s
963:	learn: 0.0359205	total: 30.1s	remaining: 1.13s

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964: learn: 0.0358977    total: 30.1s   remaining: 1.09s
965: learn: 0.0358499    total: 30.2s   remaining: 1.06s
966: learn: 0.0357786    total: 30.2s   remaining: 1.03s
967: learn: 0.0357262    total: 30.2s   remaining: 999ms
968: learn: 0.0357020    total: 30.3s   remaining: 968ms
969: learn: 0.0356568    total: 30.3s   remaining: 938ms
970: learn: 0.0356086    total: 30.4s   remaining: 907ms
971: learn: 0.0355830    total: 30.4s   remaining: 875ms
972: learn: 0.0355425    total: 30.4s   remaining: 843ms
973: learn: 0.0355194    total: 30.4s   remaining: 812ms
974: learn: 0.0354598    total: 30.4s   remaining: 780ms
975: learn: 0.0354421    total: 30.5s   remaining: 750ms
976: learn: 0.0354253    total: 30.5s   remaining: 719ms
977: learn: 0.0353721    total: 30.6s   remaining: 688ms
978: learn: 0.0353361    total: 30.6s   remaining: 656ms
979: learn: 0.0352970    total: 30.6s   remaining: 625ms
980: learn: 0.0352466    total: 30.6s   remaining: 593ms
981: learn: 0.0351901    total: 30.6s   remaining: 561ms
982: learn: 0.0351880    total: 30.6s   remaining: 530ms
983: learn: 0.0351785    total: 30.7s   remaining: 498ms
984: learn: 0.0351586    total: 30.7s   remaining: 467ms
985: learn: 0.0351103    total: 30.7s   remaining: 436ms
986: learn: 0.0350816    total: 30.7s   remaining: 405ms
987: learn: 0.0350244    total: 30.8s   remaining: 374ms
988: learn: 0.0349743    total: 30.8s   remaining: 342ms
989: learn: 0.0349407    total: 30.8s   remaining: 311ms
990: learn: 0.0349325    total: 30.8s   remaining: 280ms
991: learn: 0.0349063    total: 30.9s   remaining: 249ms
992: learn: 0.0348606    total: 30.9s   remaining: 218ms
993: learn: 0.0348185    total: 30.9s   remaining: 187ms
994: learn: 0.0347958    total: 30.9s   remaining: 155ms
995: learn: 0.0347732    total: 31s     remaining: 124ms
996: learn: 0.0347302    total: 31s     remaining: 93.2ms
997: learn: 0.0346517    total: 31s     remaining: 62.2ms
998: learn: 0.0346141    total: 31s     remaining: 31.1ms
999: learn: 0.0345579    total: 31s     remaining: 0us

Learning rate set to 0.040504
0: learn: 0.3859104    total: 417ms   remaining: 6m 56s
1: learn: 0.3764426    total: 518ms   remaining: 4m 18s
2: learn: 0.3672893    total: 564ms   remaining: 3m 7s
3: learn: 0.3581297    total: 599ms   remaining: 2m 29s
4: learn: 0.3493846    total: 666ms   remaining: 2m 12s
5: learn: 0.3414268    total: 713ms   remaining: 1m 58s
6: learn: 0.3339940    total: 772ms   remaining: 1m 49s
7: learn: 0.3257796    total: 784ms   remaining: 1m 37s
8: learn: 0.3181784    total: 830ms   remaining: 1m 31s
9: learn: 0.3112909    total: 882ms   remaining: 1m 27s
10: learn: 0.3048129   total: 936ms   remaining: 1m 24s
11: learn: 0.2984234   total: 1.02s   remaining: 1m 24s
12: learn: 0.2923338   total: 1.07s   remaining: 1m 21s
13: learn: 0.2860220   total: 1.14s   remaining: 1m 19s
14: learn: 0.2799770   total: 1.23s   remaining: 1m 20s
15: learn: 0.2744449   total: 1.31s   remaining: 1m 20s
16: learn: 0.2687497   total: 1.35s   remaining: 1m 17s
17: learn: 0.2633946   total: 1.46s   remaining: 1m 19s
18: learn: 0.2583839   total: 1.5s    remaining: 1m 17s
19: learn: 0.2535437   total: 1.51s   remaining: 1m 14s
20: learn: 0.2487908   total: 1.56s   remaining: 1m 12s
21: learn: 0.2442546   total: 1.6s    remaining: 1m 10s
22: learn: 0.2395976   total: 1.86s   remaining: 1m 19s
23: learn: 0.2352796   total: 1.91s   remaining: 1m 17s
24: learn: 0.2314043   total: 1.93s   remaining: 1m 15s
25: learn: 0.2271924   total: 1.96s   remaining: 1m 13s
26: learn: 0.2233407   total: 2.05s   remaining: 1m 13s

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		houses_kaggle_competition_refined
27:	learn: 0.2195909	total: 2.05s remaining: 1m 11s
28:	learn: 0.2160200	total: 2.09s remaining: 1m 10s
29:	learn: 0.2123887	total: 2.1s remaining: 1m 7s
30:	learn: 0.2092611	total: 2.15s remaining: 1m 7s
31:	learn: 0.2060622	total: 2.18s remaining: 1m 5s
32:	learn: 0.2030287	total: 2.19s remaining: 1m 4s
33:	learn: 0.1999941	total: 2.26s remaining: 1m 4s
34:	learn: 0.1969846	total: 2.31s remaining: 1m 3s
35:	learn: 0.1940420	total: 2.34s remaining: 1m 2s
36:	learn: 0.1911387	total: 2.39s remaining: 1m 2s
37:	learn: 0.1885544	total: 2.44s remaining: 1m 1s
38:	learn: 0.1859239	total: 2.46s remaining: 1m
39:	learn: 0.1837873	total: 2.54s remaining: 1m
40:	learn: 0.1814218	total: 2.56s remaining: 59.9s
41:	learn: 0.1793906	total: 2.64s remaining: 1m
42:	learn: 0.1773070	total: 2.67s remaining: 59.3s
43:	learn: 0.1752295	total: 2.71s remaining: 59s
44:	learn: 0.1731568	total: 2.77s remaining: 58.8s
45:	learn: 0.1715368	total: 2.77s remaining: 57.5s
46:	learn: 0.1695949	total: 2.81s remaining: 56.9s
47:	learn: 0.1675882	total: 2.92s remaining: 57.9s
48:	learn: 0.1660582	total: 3.1s remaining: 1m
49:	learn: 0.1641884	total: 3.21s remaining: 1m
50:	learn: 0.1623043	total: 3.24s remaining: 1m
51:	learn: 0.1606398	total: 3.35s remaining: 1m
52:	learn: 0.1590035	total: 3.39s remaining: 1m
53:	learn: 0.1573901	total: 3.47s remaining: 1m
54:	learn: 0.1557378	total: 3.51s remaining: 1m
55:	learn: 0.1543760	total: 3.56s remaining: 1m
56:	learn: 0.1530013	total: 3.59s remaining: 59.3s
57:	learn: 0.1518665	total: 3.6s remaining: 58.6s
58:	learn: 0.1507587	total: 3.62s remaining: 57.8s
897:	learn: 0.0352812	total: 28.1s remaining: 3.19s
898:	learn: 0.0352345	total: 28.1s remaining: 3.16s
899:	learn: 0.0351707	total: 28.2s remaining: 3.13s
900:	learn: 0.0351275	total: 28.2s remaining: 3.1s
901:	learn: 0.0350879	total: 28.2s remaining: 3.06s
902:	learn: 0.0350523	total: 28.2s remaining: 3.03s
903:	learn: 0.0349895	total: 28.3s remaining: 3s
904:	learn: 0.0349479	total: 28.3s remaining: 2.97s
905:	learn: 0.0349211	total: 28.3s remaining: 2.93s
906:	learn: 0.0348888	total: 28.3s remaining: 2.9s
907:	learn: 0.0348610	total: 28.3s remaining: 2.87s
908:	learn: 0.0348230	total: 28.3s remaining: 2.83s
909:	learn: 0.0347794	total: 28.3s remaining: 2.8s
910:	learn: 0.0347534	total: 28.4s remaining: 2.77s
911:	learn: 0.0347289	total: 28.4s remaining: 2.74s
912:	learn: 0.0346717	total: 28.4s remaining: 2.71s
913:	learn: 0.0346471	total: 28.5s remaining: 2.68s
914:	learn: 0.0345939	total: 28.5s remaining: 2.65s
915:	learn: 0.0345389	total: 28.6s remaining: 2.62s
916:	learn: 0.0344972	total: 28.6s remaining: 2.59s
917:	learn: 0.0344495	total: 28.6s remaining: 2.56s
918:	learn: 0.0344107	total: 28.6s remaining: 2.52s
919:	learn: 0.0343808	total: 28.7s remaining: 2.5s
920:	learn: 0.0343366	total: 28.7s remaining: 2.46s
921:	learn: 0.0343016	total: 28.7s remaining: 2.43s
922:	learn: 0.0342543	total: 28.7s remaining: 2.4s
923:	learn: 0.0342012	total: 28.8s remaining: 2.37s
924:	learn: 0.0341545	total: 28.8s remaining: 2.33s
925:	learn: 0.0341115	total: 28.8s remaining: 2.3s
926:	learn: 0.0340598	total: 28.8s remaining: 2.27s
927:	learn: 0.0340021	total: 28.8s remaining: 2.23s
928:	learn: 0.0339669	total: 28.8s remaining: 2.2s

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929: learn: 0.0339213    total: 28.9s  remaining: 2.17s
930: learn: 0.0338896    total: 28.9s  remaining: 2.14s
931: learn: 0.0338714    total: 28.9s  remaining: 2.11s
932: learn: 0.0338109    total: 28.9s  remaining: 2.08s
933: learn: 0.0337743    total: 29s    remaining: 2.05s
934: learn: 0.0337477    total: 29s    remaining: 2.02s
935: learn: 0.0336993    total: 29s    remaining: 1.98s
936: learn: 0.0336631    total: 29.1s  remaining: 1.95s
937: learn: 0.0336389    total: 29.1s  remaining: 1.93s
938: learn: 0.0336082    total: 29.1s  remaining: 1.89s
939: learn: 0.0335673    total: 29.2s  remaining: 1.86s
940: learn: 0.0335241    total: 29.2s  remaining: 1.83s
941: learn: 0.0334964    total: 29.2s  remaining: 1.8s
942: learn: 0.0334594    total: 29.2s  remaining: 1.77s
943: learn: 0.0334270    total: 29.3s  remaining: 1.74s
944: learn: 0.0333939    total: 29.3s  remaining: 1.71s
945: learn: 0.0333432    total: 29.4s  remaining: 1.68s
946: learn: 0.0333357    total: 29.4s  remaining: 1.65s
947: learn: 0.0333054    total: 29.4s  remaining: 1.61s
948: learn: 0.0332779    total: 29.5s  remaining: 1.58s
949: learn: 0.0332402    total: 29.5s  remaining: 1.55s
950: learn: 0.0332124    total: 29.5s  remaining: 1.52s
951: learn: 0.0332007    total: 29.6s  remaining: 1.49s
952: learn: 0.0331461    total: 29.6s  remaining: 1.46s
953: learn: 0.0331164    total: 29.6s  remaining: 1.43s
954: learn: 0.0330878    total: 29.6s  remaining: 1.4s
955: learn: 0.0330483    total: 29.7s  remaining: 1.37s
956: learn: 0.0330277    total: 29.7s  remaining: 1.34s
957: learn: 0.0329843    total: 29.8s  remaining: 1.3s
958: learn: 0.0329504    total: 29.8s  remaining: 1.27s
959: learn: 0.0329033    total: 29.9s  remaining: 1.24s
960: learn: 0.0328558    total: 29.9s  remaining: 1.21s
961: learn: 0.0328293    total: 29.9s  remaining: 1.18s
962: learn: 0.0328051    total: 30s    remaining: 1.15s
963: learn: 0.0327660    total: 30s    remaining: 1.12s
964: learn: 0.0327413    total: 30s    remaining: 1.09s
965: learn: 0.0327054    total: 30s    remaining: 1.06s
966: learn: 0.0326694    total: 30s    remaining: 1.02s
967: learn: 0.0326276    total: 30.1s  remaining: 994ms
968: learn: 0.0325989    total: 30.1s  remaining: 962ms
969: learn: 0.0325436    total: 30.1s  remaining: 931ms
970: learn: 0.0324651    total: 30.1s  remaining: 900ms
971: learn: 0.0324406    total: 30.2s  remaining: 869ms
972: learn: 0.0324083    total: 30.2s  remaining: 838ms
973: learn: 0.0323696    total: 30.2s  remaining: 807ms
974: learn: 0.0323226    total: 30.2s  remaining: 775ms
975: learn: 0.0322907    total: 30.3s  remaining: 744ms
976: learn: 0.0322704    total: 30.3s  remaining: 713ms
977: learn: 0.0322173    total: 30.3s  remaining: 681ms
978: learn: 0.0321823    total: 30.3s  remaining: 650ms
979: learn: 0.0321592    total: 30.3s  remaining: 619ms
980: learn: 0.0321244    total: 30.3s  remaining: 588ms
981: learn: 0.0320962    total: 30.4s  remaining: 556ms
982: learn: 0.0320700    total: 30.4s  remaining: 525ms
983: learn: 0.0320560    total: 30.4s  remaining: 494ms
984: learn: 0.0320295    total: 30.5s  remaining: 464ms
985: learn: 0.0319991    total: 30.5s  remaining: 433ms
986: learn: 0.0319498    total: 30.5s  remaining: 402ms
987: learn: 0.0319087    total: 30.5s  remaining: 371ms
988: learn: 0.0318778    total: 30.5s  remaining: 339ms
989: learn: 0.0318494    total: 30.5s  remaining: 309ms
990: learn: 0.0318181    total: 30.6s  remaining: 278ms
991: learn: 0.0317936    total: 30.6s  remaining: 247ms
992: learn: 0.0317465    total: 30.6s  remaining: 216ms

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		houses_kaggle_competition_refined
993:	learn: 0.0317083	total: 30.6s remaining: 185ms
994:	learn: 0.0316691	total: 30.7s remaining: 154ms
995:	learn: 0.0316598	total: 30.7s remaining: 123ms
996:	learn: 0.0316306	total: 30.7s remaining: 92.3ms
997:	learn: 0.0315998	total: 30.7s remaining: 61.5ms
998:	learn: 0.0315525	total: 30.7s remaining: 30.8ms
999:	learn: 0.0315324	total: 30.8s remaining: 0us
Learning rate set to 0.040504		
0:	learn: 0.3881201	total: 335ms remaining: 5m 34s
1:	learn: 0.3784431	total: 535ms remaining: 4m 27s
2:	learn: 0.3688357	total: 656ms remaining: 3m 38s
3:	learn: 0.3591695	total: 723ms remaining: 3m
4:	learn: 0.3504624	total: 825ms remaining: 2m 44s
5:	learn: 0.3417011	total: 884ms remaining: 2m 26s
6:	learn: 0.3339871	total: 904ms remaining: 2m 8s
7:	learn: 0.3259578	total: 954ms remaining: 1m 58s
8:	learn: 0.3180512	total: 983ms remaining: 1m 48s
9:	learn: 0.3110031	total: 1.09s remaining: 1m 47s
10:	learn: 0.3036041	total: 1.13s remaining: 1m 41s
11:	learn: 0.2969210	total: 1.21s remaining: 1m 39s
12:	learn: 0.2908640	total: 1.25s remaining: 1m 35s
13:	learn: 0.2843782	total: 1.29s remaining: 1m 30s
14:	learn: 0.2784460	total: 1.38s remaining: 1m 30s
15:	learn: 0.2729632	total: 1.42s remaining: 1m 27s
16:	learn: 0.2679209	total: 1.51s remaining: 1m 27s
17:	learn: 0.2627172	total: 1.55s remaining: 1m 24s
18:	learn: 0.2574591	total: 1.71s remaining: 1m 28s
19:	learn: 0.2529771	total: 1.81s remaining: 1m 28s
20:	learn: 0.2478565	total: 1.81s remaining: 1m 24s
21:	learn: 0.2432037	total: 1.85s remaining: 1m 22s
22:	learn: 0.2386330	total: 1.89s remaining: 1m 20s
23:	learn: 0.2345449	total: 1.98s remaining: 1m 20s
24:	learn: 0.2302570	total: 2.06s remaining: 1m 20s
25:	learn: 0.2261393	total: 2.12s remaining: 1m 19s
26:	learn: 0.2224325	total: 2.16s remaining: 1m 17s
27:	learn: 0.2185806	total: 2.16s remaining: 1m 15s
28:	learn: 0.2151509	total: 2.2s remaining: 1m 13s
29:	learn: 0.2118554	total: 2.25s remaining: 1m 12s
30:	learn: 0.2084601	total: 2.27s remaining: 1m 11s
31:	learn: 0.2055232	total: 2.33s remaining: 1m 10s
32:	learn: 0.2028610	total: 2.37s remaining: 1m 9s
33:	learn: 0.1996380	total: 2.42s remaining: 1m 8s
34:	learn: 0.1967379	total: 2.49s remaining: 1m 8s
35:	learn: 0.1938665	total: 2.54s remaining: 1m 8s
36:	learn: 0.1910160	total: 2.57s remaining: 1m 6s
37:	learn: 0.1883737	total: 2.58s remaining: 1m 5s
38:	learn: 0.1860067	total: 2.66s remaining: 1m 5s
39:	learn: 0.1838680	total: 2.72s remaining: 1m 5s
40:	learn: 0.1813353	total: 2.79s remaining: 1m 5s
41:	learn: 0.1790732	total: 2.88s remaining: 1m 5s
42:	learn: 0.1769661	total: 2.92s remaining: 1m 5s
43:	learn: 0.1751523	total: 2.96s remaining: 1m 4s
44:	learn: 0.1731434	total: 3.07s remaining: 1m 5s
45:	learn: 0.1712941	total: 3.13s remaining: 1m 5s
46:	learn: 0.1693401	total: 3.19s remaining: 1m 4s
47:	learn: 0.1675317	total: 3.26s remaining: 1m 4s
48:	learn: 0.1655254	total: 3.36s remaining: 1m 5s
49:	learn: 0.1636729	total: 3.42s remaining: 1m 5s
50:	learn: 0.1619865	total: 3.49s remaining: 1m 4s
51:	learn: 0.1605980	total: 3.54s remaining: 1m 4s
52:	learn: 0.1591101	total: 3.57s remaining: 1m 3s
53:	learn: 0.1579078	total: 3.58s remaining: 1m 2s
54:	learn: 0.1565091	total: 3.62s remaining: 1m 2s
898:	learn: 0.0364224	total: 28.5s remaining: 3.2s

		houses_kaggle_competition_refined
899:	learn: 0.0363961	total: 28.5s remaining: 3.16s
900:	learn: 0.0363531	total: 28.5s remaining: 3.13s
901:	learn: 0.0363484	total: 28.5s remaining: 3.1s
902:	learn: 0.0362827	total: 28.6s remaining: 3.07s
903:	learn: 0.0362798	total: 28.6s remaining: 3.04s
904:	learn: 0.0362186	total: 28.6s remaining: 3s
905:	learn: 0.0361762	total: 28.6s remaining: 2.97s
906:	learn: 0.0361177	total: 28.7s remaining: 2.94s
907:	learn: 0.0360966	total: 28.8s remaining: 2.91s
908:	learn: 0.0360357	total: 28.8s remaining: 2.88s
909:	learn: 0.0360141	total: 28.8s remaining: 2.85s
910:	learn: 0.0359459	total: 28.8s remaining: 2.82s
911:	learn: 0.0359185	total: 28.9s remaining: 2.79s
912:	learn: 0.0358776	total: 28.9s remaining: 2.75s
913:	learn: 0.0358263	total: 28.9s remaining: 2.72s
914:	learn: 0.0357923	total: 29s remaining: 2.69s
915:	learn: 0.0357505	total: 29s remaining: 2.66s
916:	learn: 0.0357166	total: 29.1s remaining: 2.63s
917:	learn: 0.0356730	total: 29.1s remaining: 2.6s
918:	learn: 0.0355917	total: 29.1s remaining: 2.57s
919:	learn: 0.0355529	total: 29.2s remaining: 2.54s
920:	learn: 0.0355335	total: 29.2s remaining: 2.51s
921:	learn: 0.0354890	total: 29.3s remaining: 2.48s
922:	learn: 0.0354281	total: 29.3s remaining: 2.44s
923:	learn: 0.0353891	total: 29.3s remaining: 2.41s
924:	learn: 0.0353561	total: 29.3s remaining: 2.38s
925:	learn: 0.0353085	total: 29.4s remaining: 2.35s
926:	learn: 0.0353023	total: 29.4s remaining: 2.31s
927:	learn: 0.0352315	total: 29.4s remaining: 2.28s
928:	learn: 0.0351707	total: 29.5s remaining: 2.25s
929:	learn: 0.0351233	total: 29.6s remaining: 2.23s
930:	learn: 0.0350813	total: 29.6s remaining: 2.19s
931:	learn: 0.0350442	total: 29.6s remaining: 2.16s
932:	learn: 0.0349851	total: 29.6s remaining: 2.13s
933:	learn: 0.0349523	total: 29.7s remaining: 2.1s
934:	learn: 0.0349284	total: 29.7s remaining: 2.06s
935:	learn: 0.0348963	total: 29.7s remaining: 2.03s
936:	learn: 0.0348668	total: 29.7s remaining: 2s
937:	learn: 0.0348472	total: 29.7s remaining: 1.97s
938:	learn: 0.0347915	total: 29.7s remaining: 1.93s
939:	learn: 0.0347575	total: 29.8s remaining: 1.9s
940:	learn: 0.0347186	total: 29.8s remaining: 1.87s
941:	learn: 0.0346668	total: 29.8s remaining: 1.83s
942:	learn: 0.0346525	total: 29.8s remaining: 1.8s
943:	learn: 0.0345959	total: 29.8s remaining: 1.77s
944:	learn: 0.0345755	total: 29.8s remaining: 1.74s
945:	learn: 0.0345114	total: 29.9s remaining: 1.71s
946:	learn: 0.0344757	total: 29.9s remaining: 1.67s
947:	learn: 0.0344449	total: 29.9s remaining: 1.64s
948:	learn: 0.0343949	total: 29.9s remaining: 1.61s
949:	learn: 0.0343672	total: 29.9s remaining: 1.57s
950:	learn: 0.0343343	total: 29.9s remaining: 1.54s
951:	learn: 0.0343028	total: 30s remaining: 1.51s
952:	learn: 0.0342770	total: 30s remaining: 1.48s
953:	learn: 0.0342358	total: 30s remaining: 1.45s
954:	learn: 0.0342133	total: 30s remaining: 1.41s
955:	learn: 0.0341802	total: 30s remaining: 1.38s
956:	learn: 0.0341525	total: 30.1s remaining: 1.35s
957:	learn: 0.0341117	total: 30.1s remaining: 1.32s
958:	learn: 0.0340744	total: 30.1s remaining: 1.29s
959:	learn: 0.0340462	total: 30.1s remaining: 1.25s
960:	learn: 0.0340260	total: 30.2s remaining: 1.23s
961:	learn: 0.0339692	total: 30.2s remaining: 1.19s
962:	learn: 0.0339136	total: 30.3s remaining: 1.16s

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963: learn: 0.0338655    total: 30.3s  remaining: 1.13s
964: learn: 0.0337958    total: 30.3s  remaining: 1.1s
965: learn: 0.0337573    total: 30.4s  remaining: 1.07s
966: learn: 0.0336952    total: 30.4s  remaining: 1.04s
967: learn: 0.0336418    total: 30.4s  remaining: 1s
968: learn: 0.0335849    total: 30.4s  remaining: 974ms
969: learn: 0.0335530    total: 30.5s  remaining: 942ms
970: learn: 0.0334983    total: 30.5s  remaining: 911ms
971: learn: 0.0334805    total: 30.5s  remaining: 879ms
972: learn: 0.0334567    total: 30.5s  remaining: 847ms
973: learn: 0.0334022    total: 30.6s  remaining: 816ms
974: learn: 0.0333228    total: 30.6s  remaining: 785ms
975: learn: 0.0333050    total: 30.6s  remaining: 754ms
976: learn: 0.0332641    total: 30.7s  remaining: 722ms
977: learn: 0.0332177    total: 30.7s  remaining: 690ms
978: learn: 0.0331878    total: 30.7s  remaining: 658ms
979: learn: 0.0331436    total: 30.7s  remaining: 627ms
980: learn: 0.0331027    total: 30.7s  remaining: 595ms
981: learn: 0.0330721    total: 30.8s  remaining: 564ms
982: learn: 0.0330146    total: 30.8s  remaining: 532ms
983: learn: 0.0329832    total: 30.8s  remaining: 500ms
984: learn: 0.0329390    total: 30.8s  remaining: 469ms
985: learn: 0.0329184    total: 30.8s  remaining: 437ms
986: learn: 0.0328711    total: 30.8s  remaining: 406ms
987: learn: 0.0328477    total: 30.8s  remaining: 374ms
988: learn: 0.0328076    total: 30.8s  remaining: 343ms
989: learn: 0.0327772    total: 30.8s  remaining: 311ms
990: learn: 0.0327263    total: 30.8s  remaining: 280ms
991: learn: 0.0326999    total: 30.8s  remaining: 249ms
992: learn: 0.0326655    total: 30.9s  remaining: 218ms
993: learn: 0.0326125    total: 30.9s  remaining: 186ms
994: learn: 0.0325826    total: 30.9s  remaining: 155ms
995: learn: 0.0325383    total: 30.9s  remaining: 124ms
996: learn: 0.0325120    total: 30.9s  remaining: 93.1ms
997: learn: 0.0324905    total: 31s   remaining: 62.1ms
998: learn: 0.0324674    total: 31s   remaining: 31ms
999: learn: 0.0324167    total: 31s   remaining: 0us

Learning rate set to 0.040504
0: learn: 0.3826245    total: 318ms  remaining: 5m 17s
1: learn: 0.3736324    total: 648ms  remaining: 5m 23s
2: learn: 0.3642154    total: 763ms  remaining: 4m 13s
3: learn: 0.3552243    total: 808ms  remaining: 3m 21s
4: learn: 0.3466918    total: 946ms  remaining: 3m 8s
5: learn: 0.3391885    total: 1.15s  remaining: 3m 10s
6: learn: 0.3309746    total: 1.27s  remaining: 3m
7: learn: 0.3231245    total: 1.33s  remaining: 2m 44s
8: learn: 0.3159712    total: 1.52s  remaining: 2m 47s
9: learn: 0.3092378    total: 1.76s  remaining: 2m 53s
10: learn: 0.3027952   total: 1.86s  remaining: 2m 47s
11: learn: 0.2964492   total: 1.91s  remaining: 2m 37s
12: learn: 0.2902353   total: 1.96s  remaining: 2m 28s
13: learn: 0.2846921   total: 1.97s  remaining: 2m 19s
14: learn: 0.2785621   total: 2s     remaining: 2m 11s
15: learn: 0.2726000   total: 2.06s  remaining: 2m 6s
16: learn: 0.2668175   total: 2.1s   remaining: 2m 1s
17: learn: 0.2618995   total: 2.11s  remaining: 1m 55s
18: learn: 0.2565424   total: 2.18s  remaining: 1m 52s
19: learn: 0.2519695   total: 2.25s  remaining: 1m 50s
20: learn: 0.2468933   total: 2.25s  remaining: 1m 45s
21: learn: 0.2426476   total: 2.29s  remaining: 1m 41s
22: learn: 0.2386080   total: 2.31s  remaining: 1m 38s
23: learn: 0.2342094   total: 2.38s  remaining: 1m 36s
24: learn: 0.2302295   total: 2.4s   remaining: 1m 33s
25: learn: 0.2258302   total: 2.43s  remaining: 1m 31s

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26: learn: 0.2218335    total: 2.45s  remaining: 1m 28s
27: learn: 0.2181050    total: 2.46s  remaining: 1m 25s
28: learn: 0.2143813    total: 2.48s  remaining: 1m 23s
29: learn: 0.2107446    total: 2.51s  remaining: 1m 21s
30: learn: 0.2072983    total: 2.52s  remaining: 1m 18s
31: learn: 0.2041757    total: 2.53s  remaining: 1m 16s
32: learn: 0.2008605    total: 2.6s   remaining: 1m 16s
33: learn: 0.1978483    total: 2.6s   remaining: 1m 13s
34: learn: 0.1951592    total: 2.62s  remaining: 1m 12s
35: learn: 0.1924452    total: 2.74s  remaining: 1m 13s
36: learn: 0.1899439    total: 2.81s  remaining: 1m 13s
37: learn: 0.1875643    total: 2.88s  remaining: 1m 12s
38: learn: 0.1851507    total: 2.91s  remaining: 1m 11s
39: learn: 0.1830353    total: 3.04s  remaining: 1m 12s
40: learn: 0.1807671    total: 3.22s  remaining: 1m 15s
41: learn: 0.1784562    total: 3.4s   remaining: 1m 17s
42: learn: 0.1761422    total: 3.48s  remaining: 1m 17s
43: learn: 0.1740714    total: 3.5s   remaining: 1m 15s
44: learn: 0.1718447    total: 3.55s  remaining: 1m 15s
45: learn: 0.1698214    total: 3.56s  remaining: 1m 13s
46: learn: 0.1680482    total: 3.59s  remaining: 1m 12s
47: learn: 0.1659181    total: 3.64s  remaining: 1m 12s
48: learn: 0.1641879    total: 3.75s  remaining: 1m 12s
49: learn: 0.1625119    total: 3.78s  remaining: 1m 11s
50: learn: 0.1607405    total: 3.81s  remaining: 1m 10s
51: learn: 0.1589912    total: 3.85s  remaining: 1m 10s
52: learn: 0.1575470    total: 3.9s   remaining: 1m 9s
53: learn: 0.1560436    total: 3.98s  remaining: 1m 9s
54: learn: 0.1545157    total: 3.98s  remaining: 1m 8s
55: learn: 0.1530425    total: 3.99s  remaining: 1m 7s
898: learn: 0.0398787    total: 29.6s  remaining: 3.33s
899: learn: 0.0398168    total: 29.7s  remaining: 3.29s
900: learn: 0.0397705    total: 29.7s  remaining: 3.26s
901: learn: 0.0397662    total: 29.7s  remaining: 3.23s
902: learn: 0.0397024    total: 29.8s  remaining: 3.2s
903: learn: 0.0396421    total: 29.8s  remaining: 3.17s
904: learn: 0.0395852    total: 29.9s  remaining: 3.13s
905: learn: 0.0395823    total: 29.9s  remaining: 3.1s
906: learn: 0.0395422    total: 29.9s  remaining: 3.07s
907: learn: 0.0394944    total: 30s   remaining: 3.04s
908: learn: 0.0394280    total: 30s   remaining: 3.01s
909: learn: 0.0394035    total: 30.1s  remaining: 2.97s
910: learn: 0.0393592    total: 30.1s  remaining: 2.94s
911: learn: 0.0393422    total: 30.1s  remaining: 2.9s
912: learn: 0.0393184    total: 30.1s  remaining: 2.87s
913: learn: 0.0392982    total: 30.1s  remaining: 2.83s
914: learn: 0.0392404    total: 30.2s  remaining: 2.8s
915: learn: 0.0391958    total: 30.2s  remaining: 2.77s
916: learn: 0.0391557    total: 30.3s  remaining: 2.74s
917: learn: 0.0391172    total: 30.3s  remaining: 2.71s
918: learn: 0.0391030    total: 30.3s  remaining: 2.67s
919: learn: 0.0390489    total: 30.3s  remaining: 2.64s
920: learn: 0.0390256    total: 30.3s  remaining: 2.6s
921: learn: 0.0389708    total: 30.4s  remaining: 2.57s
922: learn: 0.0389291    total: 30.4s  remaining: 2.53s
923: learn: 0.0389236    total: 30.4s  remaining: 2.5s
924: learn: 0.0388756    total: 30.4s  remaining: 2.47s
925: learn: 0.0388391    total: 30.5s  remaining: 2.43s
926: learn: 0.0387770    total: 30.5s  remaining: 2.4s
927: learn: 0.0387498    total: 30.5s  remaining: 2.37s
928: learn: 0.0387104    total: 30.5s  remaining: 2.33s
929: learn: 0.0386915    total: 30.6s  remaining: 2.3s
930: learn: 0.0386793    total: 30.7s  remaining: 2.27s
931: learn: 0.0386419    total: 30.7s  remaining: 2.24s

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932: learn: 0.0386213    total: 30.7s  remaining: 2.21s
933: learn: 0.0386183    total: 30.7s  remaining: 2.17s
934: learn: 0.0385917    total: 30.7s  remaining: 2.13s
935: learn: 0.0385884    total: 30.7s  remaining: 2.1s
936: learn: 0.0385800    total: 30.8s  remaining: 2.07s
937: learn: 0.0385536    total: 30.8s  remaining: 2.03s
938: learn: 0.0385261    total: 30.8s  remaining: 2s
939: learn: 0.0384827    total: 30.8s  remaining: 1.97s
940: learn: 0.0384410    total: 30.8s  remaining: 1.93s
941: learn: 0.0383943    total: 30.8s  remaining: 1.9s
942: learn: 0.0383501    total: 30.8s  remaining: 1.86s
943: learn: 0.0383480    total: 30.8s  remaining: 1.83s
944: learn: 0.0383207    total: 30.9s  remaining: 1.8s
945: learn: 0.0383173    total: 30.9s  remaining: 1.76s
946: learn: 0.0382851    total: 30.9s  remaining: 1.73s
947: learn: 0.0382733    total: 30.9s  remaining: 1.7s
948: learn: 0.0382705    total: 31s   remaining: 1.66s
949: learn: 0.0382665    total: 31s   remaining: 1.63s
950: learn: 0.0382247    total: 31s   remaining: 1.6s
951: learn: 0.0382069    total: 31s   remaining: 1.56s
952: learn: 0.0381586    total: 31s   remaining: 1.53s
953: learn: 0.0380933    total: 31s   remaining: 1.5s
954: learn: 0.0380570    total: 31s   remaining: 1.46s
955: learn: 0.0380172    total: 31s   remaining: 1.43s
956: learn: 0.0379566    total: 31.1s  remaining: 1.4s
957: learn: 0.0379205    total: 31.1s  remaining: 1.36s
958: learn: 0.0378539    total: 31.1s  remaining: 1.33s
959: learn: 0.0377802    total: 31.1s  remaining: 1.29s
960: learn: 0.0377126    total: 31.1s  remaining: 1.26s
961: learn: 0.0376951    total: 31.1s  remaining: 1.23s
962: learn: 0.0376293    total: 31.1s  remaining: 1.2s
963: learn: 0.0375794    total: 31.1s  remaining: 1.16s
964: learn: 0.0375139    total: 31.1s  remaining: 1.13s
965: learn: 0.0375112    total: 31.2s  remaining: 1.1s
966: learn: 0.0374673    total: 31.2s  remaining: 1.06s
967: learn: 0.0374530    total: 31.2s  remaining: 1.03s
968: learn: 0.0374509    total: 31.2s  remaining: 998ms
969: learn: 0.0374369    total: 31.2s  remaining: 965ms
970: learn: 0.0373968    total: 31.2s  remaining: 932ms
971: learn: 0.0373773    total: 31.2s  remaining: 900ms
972: learn: 0.0373752    total: 31.3s  remaining: 868ms
973: learn: 0.0373729    total: 31.3s  remaining: 835ms
974: learn: 0.0373712    total: 31.3s  remaining: 803ms
975: learn: 0.0373125    total: 31.3s  remaining: 771ms
976: learn: 0.0372520    total: 31.3s  remaining: 738ms
977: learn: 0.0372498    total: 31.4s  remaining: 705ms
978: learn: 0.0372405    total: 31.4s  remaining: 673ms
979: learn: 0.0372147    total: 31.4s  remaining: 641ms
980: learn: 0.0372127    total: 31.4s  remaining: 609ms
981: learn: 0.0371760    total: 31.4s  remaining: 576ms
982: learn: 0.0371735    total: 31.5s  remaining: 544ms
983: learn: 0.0371319    total: 31.5s  remaining: 512ms
984: learn: 0.0371042    total: 31.5s  remaining: 479ms
985: learn: 0.0370345    total: 31.5s  remaining: 447ms
986: learn: 0.0369682    total: 31.5s  remaining: 415ms
987: learn: 0.0368873    total: 31.5s  remaining: 383ms
988: learn: 0.0368576    total: 31.5s  remaining: 350ms
989: learn: 0.0368009    total: 31.5s  remaining: 318ms
990: learn: 0.0367986    total: 31.5s  remaining: 286ms
991: learn: 0.0367671    total: 31.5s  remaining: 254ms
992: learn: 0.0367296    total: 31.5s  remaining: 222ms
993: learn: 0.0367021    total: 31.5s  remaining: 190ms
994: learn: 0.0366224    total: 31.5s  remaining: 158ms
995: learn: 0.0365741    total: 31.6s  remaining: 127ms

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		houses_kaggle_competition_refined
996:	learn: 0.0365354	total: 31.6s remaining: 95ms
997:	learn: 0.0364953	total: 31.6s remaining: 63.2ms
998:	learn: 0.0364457	total: 31.6s remaining: 31.6ms
999:	learn: 0.0364187	total: 31.6s remaining: 0us
Learning rate set to 0.040504		
0:	learn: 0.3959568	total: 749ms remaining: 12m 27s
1:	learn: 0.3859030	total: 1.08s remaining: 8m 57s
2:	learn: 0.3771909	total: 1.19s remaining: 6m 36s
3:	learn: 0.3679326	total: 1.27s remaining: 5m 15s
4:	learn: 0.3589690	total: 1.55s remaining: 5m 8s
5:	learn: 0.3500073	total: 1.72s remaining: 4m 45s
6:	learn: 0.3424431	total: 1.76s remaining: 4m 9s
7:	learn: 0.3341265	total: 1.87s remaining: 3m 51s
8:	learn: 0.3273716	total: 1.97s remaining: 3m 36s
9:	learn: 0.3204917	total: 2.02s remaining: 3m 19s
10:	learn: 0.3126826	total: 2.04s remaining: 3m 3s
11:	learn: 0.3059448	total: 2.05s remaining: 2m 48s
12:	learn: 0.2990189	total: 2.08s remaining: 2m 37s
13:	learn: 0.2926668	total: 2.13s remaining: 2m 29s
14:	learn: 0.2868718	total: 2.17s remaining: 2m 22s
15:	learn: 0.2812043	total: 2.19s remaining: 2m 14s
16:	learn: 0.2752577	total: 2.23s remaining: 2m 9s
17:	learn: 0.2700428	total: 2.26s remaining: 2m 3s
18:	learn: 0.2646696	total: 2.29s remaining: 1m 58s
19:	learn: 0.2598150	total: 2.3s remaining: 1m 52s
20:	learn: 0.2546141	total: 2.31s remaining: 1m 47s
21:	learn: 0.2499688	total: 2.36s remaining: 1m 44s
22:	learn: 0.2450661	total: 2.4s remaining: 1m 41s
23:	learn: 0.2404125	total: 2.41s remaining: 1m 37s
24:	learn: 0.2362455	total: 2.44s remaining: 1m 35s
25:	learn: 0.2319923	total: 2.46s remaining: 1m 32s
26:	learn: 0.2279069	total: 2.52s remaining: 1m 30s
27:	learn: 0.2243342	total: 2.55s remaining: 1m 28s
28:	learn: 0.2204549	total: 2.59s remaining: 1m 26s
29:	learn: 0.2168807	total: 2.61s remaining: 1m 24s
30:	learn: 0.2136245	total: 2.64s remaining: 1m 22s
31:	learn: 0.2101646	total: 2.67s remaining: 1m 20s
32:	learn: 0.2071323	total: 2.7s remaining: 1m 19s
33:	learn: 0.2041518	total: 2.77s remaining: 1m 18s
34:	learn: 0.2008690	total: 2.79s remaining: 1m 16s
35:	learn: 0.1979384	total: 2.92s remaining: 1m 18s
36:	learn: 0.1952269	total: 2.96s remaining: 1m 17s
37:	learn: 0.1925686	total: 3.01s remaining: 1m 16s
38:	learn: 0.1901150	total: 3.15s remaining: 1m 17s
39:	learn: 0.1877747	total: 3.26s remaining: 1m 18s
40:	learn: 0.1852392	total: 3.44s remaining: 1m 20s
41:	learn: 0.1834012	total: 3.59s remaining: 1m 21s
42:	learn: 0.1813022	total: 3.65s remaining: 1m 21s
43:	learn: 0.1793245	total: 3.67s remaining: 1m 19s
44:	learn: 0.1774726	total: 3.71s remaining: 1m 18s
45:	learn: 0.1751900	total: 3.8s remaining: 1m 18s
46:	learn: 0.1732307	total: 3.88s remaining: 1m 18s
47:	learn: 0.1714293	total: 3.91s remaining: 1m 17s
48:	learn: 0.1695661	total: 4.01s remaining: 1m 17s
49:	learn: 0.1681044	total: 4.04s remaining: 1m 16s
50:	learn: 0.1664805	total: 4.08s remaining: 1m 16s
51:	learn: 0.1648193	total: 4.09s remaining: 1m 14s
52:	learn: 0.1634094	total: 4.14s remaining: 1m 13s
53:	learn: 0.1620404	total: 4.23s remaining: 1m 14s
54:	learn: 0.1606422	total: 4.25s remaining: 1m 13s
55:	learn: 0.1593694	total: 4.32s remaining: 1m 12s

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
```

```

55: learn: 0.1549374    total: 3.7s    remaining: 1m 2s
56: learn: 0.1536828    total: 3.74s   remaining: 1m 1s
57: learn: 0.1524902    total: 3.8s    remaining: 1m 1s
58: learn: 0.1512111    total: 3.83s   remaining: 1m 1s
59: learn: 0.1499657    total: 3.83s   remaining: 1m
60: learn: 0.1488665    total: 3.84s    remaining: 59.1s
61: learn: 0.1477169    total: 3.85s    remaining: 58.3s
62: learn: 0.1466104    total: 3.92s    remaining: 58.3s
63: learn: 0.1455436    total: 4.02s    remaining: 58.8s
64: learn: 0.1444306    total: 4.12s    remaining: 59.3s
65: learn: 0.1434388    total: 4.16s    remaining: 58.8s
66: learn: 0.1424791    total: 4.3s     remaining: 60s
67: learn: 0.1414874    total: 4.33s   remaining: 59.3s
68: learn: 0.1405420    total: 4.44s    remaining: 59.9s
69: learn: 0.1397055    total: 4.54s    remaining: 1m
70: learn: 0.1388682    total: 4.6s     remaining: 1m
71: learn: 0.1378955    total: 4.66s   remaining: 1m
72: learn: 0.1369662    total: 4.67s    remaining: 59.4s
73: learn: 0.1360076    total: 4.71s    remaining: 58.9s
74: learn: 0.1352905    total: 4.75s    remaining: 58.6s
75: learn: 0.1343500    total: 4.81s    remaining: 58.5s
76: learn: 0.1336395    total: 4.86s    remaining: 58.3s
77: learn: 0.1328351    total: 4.88s   remaining: 57.7s
78: learn: 0.1319029    total: 4.91s    remaining: 57.2s
79: learn: 0.1310282    total: 4.95s    remaining: 56.9s
80: learn: 0.1302382    total: 5.01s    remaining: 56.9s
81: learn: 0.1294523    total: 5.09s    remaining: 57s
82: learn: 0.1287439    total: 5.11s    remaining: 56.5s
83: learn: 0.1279532    total: 5.2s     remaining: 56.7s
84: learn: 0.1273623    total: 5.2s     remaining: 56s
85: learn: 0.1268224    total: 5.21s   remaining: 55.4s
86: learn: 0.1263748    total: 5.24s   remaining: 55s
87: learn: 0.1257843    total: 5.27s   remaining: 54.6s
88: learn: 0.1249881    total: 5.31s   remaining: 54.4s
89: learn: 0.1245266    total: 5.31s   remaining: 53.7s
90: learn: 0.1240541    total: 5.36s   remaining: 53.5s
91: learn: 0.1234610    total: 5.37s   remaining: 53s
92: learn: 0.1230174    total: 5.48s   remaining: 53.4s
93: learn: 0.1222714    total: 5.5s    remaining: 53s
94: learn: 0.1217087    total: 5.51s   remaining: 52.5s
95: learn: 0.1211695    total: 5.51s   remaining: 51.9s
96: learn: 0.1206122    total: 5.54s   remaining: 51.6s
97: learn: 0.1201235    total: 5.55s   remaining: 51.1s
98: learn: 0.1197856    total: 5.57s   remaining: 50.7s
99: learn: 0.1192856    total: 5.61s   remaining: 50.5s
100: learn: 0.1189120   total: 5.63s   remaining: 50.1s
101: learn: 0.1183937   total: 5.65s   remaining: 49.8s
102: learn: 0.1178227   total: 5.74s   remaining: 50s
103: learn: 0.1173265   total: 5.77s   remaining: 49.7s
104: learn: 0.1166721   total: 5.78s   remaining: 49.3s
105: learn: 0.1162360   total: 5.81s   remaining: 49s
106: learn: 0.1158364   total: 5.84s   remaining: 48.8s
107: learn: 0.1153761   total: 5.87s   remaining: 48.5s
108: learn: 0.1150582   total: 5.89s   remaining: 48.2s
109: learn: 0.1146272   total: 5.99s   remaining: 48.5s
110: learn: 0.1141751   total: 6.13s   remaining: 49.1s
111: learn: 0.1135985   total: 6.2s    remaining: 49.2s
112: learn: 0.1132044   total: 6.27s   remaining: 49.2s
113: learn: 0.1127669   total: 6.32s   remaining: 49.1s
114: learn: 0.1123537   total: 6.37s   remaining: 49s
115: learn: 0.1118782   total: 6.51s   remaining: 49.6s
116: learn: 0.1113794   total: 6.54s   remaining: 49.4s
117: learn: 0.1109887   total: 6.55s   remaining: 48.9s
118: learn: 0.1107139   total: 6.61s   remaining: 48.9s

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119: learn: 0.1104326      total: 6.67s  remaining: 48.9s
120: learn: 0.1101687      total: 6.73s  remaining: 48.9s
121: learn: 0.1098589      total: 6.76s  remaining: 48.7s
122: learn: 0.1096672      total: 6.78s  remaining: 48.3s
123: learn: 0.1092713      total: 6.86s  remaining: 48.4s
124: learn: 0.1089767      total: 6.88s  remaining: 48.1s
125: learn: 0.1085661      total: 6.9s   remaining: 47.8s
126: learn: 0.1082346      total: 6.95s  remaining: 47.8s
127: learn: 0.1079572      total: 7.02s  remaining: 47.8s
128: learn: 0.1076310      total: 7.08s  remaining: 47.8s
129: learn: 0.1073158      total: 7.12s  remaining: 47.7s
130: learn: 0.1069203      total: 7.19s  remaining: 47.7s
131: learn: 0.1066000      total: 7.2s   remaining: 47.3s
132: learn: 0.1062929      total: 7.25s  remaining: 47.2s
133: learn: 0.1060232      total: 7.26s  remaining: 46.9s
134: learn: 0.1056607      total: 7.29s  remaining: 46.7s
135: learn: 0.1053573      total: 7.42s  remaining: 47.2s
136: learn: 0.1050469      total: 7.59s  remaining: 47.8s
137: learn: 0.1047816      total: 7.59s  remaining: 47.4s
138: learn: 0.1044610      total: 7.63s  remaining: 47.2s
139: learn: 0.1042765      total: 7.71s  remaining: 47.3s
140: learn: 0.1038833      total: 7.76s  remaining: 47.3s
141: learn: 0.1035770      total: 7.81s  remaining: 47.2s
142: learn: 0.1032495      total: 7.88s  remaining: 47.2s
143: learn: 0.1030156      total: 7.91s  remaining: 47s
144: learn: 0.1027277      total: 7.96s  remaining: 46.9s
145: learn: 0.1024469      total: 7.99s  remaining: 46.8s
146: learn: 0.1021255      total: 8.04s  remaining: 46.7s
147: learn: 0.1018953      total: 8.13s  remaining: 46.8s
148: learn: 0.1016072      total: 8.18s  remaining: 46.7s
149: learn: 0.1013545      total: 8.19s  remaining: 46.4s
150: learn: 0.1012580      total: 8.33s  remaining: 46.8s
151: learn: 0.1010450      total: 8.38s  remaining: 46.7s
152: learn: 0.1007193      total: 8.47s  remaining: 46.9s
153: learn: 0.1005352      total: 8.52s  remaining: 46.8s
154: learn: 0.1003084      total: 8.56s  remaining: 46.7s
155: learn: 0.1000802      total: 8.57s  remaining: 46.4s
156: learn: 0.0998406      total: 8.78s  remaining: 47.2s
157: learn: 0.0996823      total: 8.81s  remaining: 47s
158: learn: 0.0994539      total: 8.84s  remaining: 46.7s
159: learn: 0.0992134      total: 8.86s  remaining: 46.5s
160: learn: 0.0989834      total: 9.01s  remaining: 47s
161: learn: 0.0987688      total: 9.05s  remaining: 46.8s
162: learn: 0.0986027      total: 9.08s  remaining: 46.6s
163: learn: 0.0984488      total: 9.14s  remaining: 46.6s
164: learn: 0.0981380      total: 9.16s  remaining: 46.4s
165: learn: 0.0979623      total: 9.21s  remaining: 46.3s
166: learn: 0.0977397      total: 9.22s  remaining: 46s
167: learn: 0.0975308      total: 9.26s  remaining: 45.8s
168: learn: 0.0974114      total: 9.29s  remaining: 45.7s
169: learn: 0.0971493      total: 9.33s  remaining: 45.6s
170: learn: 0.0970237      total: 9.34s  remaining: 45.3s
171: learn: 0.0968114      total: 9.39s  remaining: 45.2s
172: learn: 0.0966161      total: 9.4s   remaining: 44.9s
173: learn: 0.0964273      total: 9.44s  remaining: 44.8s
174: learn: 0.0960938      total: 9.45s  remaining: 44.5s
175: learn: 0.0958645      total: 9.49s  remaining: 44.4s
176: learn: 0.0956731      total: 9.51s  remaining: 44.2s
177: learn: 0.0954720      total: 9.55s  remaining: 44.1s
178: learn: 0.0953152      total: 9.61s  remaining: 44.1s
179: learn: 0.0950012      total: 9.69s  remaining: 44.1s
180: learn: 0.0947617      total: 9.77s  remaining: 44.2s
181: learn: 0.0945390      total: 9.78s  remaining: 43.9s
182: learn: 0.0943468      total: 9.83s  remaining: 43.9s

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183: learn: 0.0941473    total: 9.84s  remaining: 43.6s
184: learn: 0.0940565    total: 9.87s  remaining: 43.5s
185: learn: 0.0939227    total: 9.93s  remaining: 43.4s
186: learn: 0.0937705    total: 9.99s  remaining: 43.4s
187: learn: 0.0936300    total: 10s    remaining: 43.3s
188: learn: 0.0935049    total: 10s    remaining: 43.1s
189: learn: 0.0933213    total: 10.1s   remaining: 42.9s
190: learn: 0.0930932    total: 10.1s   remaining: 42.8s
191: learn: 0.0928347    total: 10.1s   remaining: 42.7s
192: learn: 0.0926846    total: 10.2s   remaining: 42.4s
193: learn: 0.0924377    total: 10.2s   remaining: 42.4s
194: learn: 0.0923621    total: 10.2s   remaining: 42.1s
195: learn: 0.0921936    total: 10.2s   remaining: 41.9s
196: learn: 0.0920343    total: 10.2s   remaining: 41.7s
197: learn: 0.0919492    total: 10.3s   remaining: 41.6s
198: learn: 0.0917115    total: 10.3s   remaining: 41.5s
199: learn: 0.0914693    total: 10.3s   remaining: 41.4s
200: learn: 0.0912595    total: 10.4s   remaining: 41.4s
201: learn: 0.0909676    total: 10.4s   remaining: 41.2s
202: learn: 0.0908840    total: 10.4s   remaining: 41s
203: learn: 0.0907509    total: 10.5s   remaining: 40.9s
204: learn: 0.0904831    total: 10.5s   remaining: 40.7s
205: learn: 0.0903259    total: 10.5s   remaining: 40.6s
206: learn: 0.0901891    total: 10.6s   remaining: 40.7s
207: learn: 0.0899880    total: 10.6s   remaining: 40.5s
208: learn: 0.0898017    total: 10.7s   remaining: 40.3s
209: learn: 0.0896290    total: 10.7s   remaining: 40.2s
210: learn: 0.0894036    total: 10.7s   remaining: 40s
211: learn: 0.0892793    total: 10.7s   remaining: 39.8s
212: learn: 0.0890812    total: 10.7s   remaining: 39.7s
213: learn: 0.0888484    total: 10.8s   remaining: 39.5s
59:  learn: 0.1494771    total: 3.67s   remaining: 57.5s
60:  learn: 0.1483417    total: 3.69s   remaining: 56.8s
61:  learn: 0.1472865    total: 3.7s    remaining: 55.9s
62:  learn: 0.1461290    total: 3.83s   remaining: 56.9s
63:  learn: 0.1450293    total: 3.83s   remaining: 56s
64:  learn: 0.1438976    total: 3.9s    remaining: 56.1s
65:  learn: 0.1425962    total: 3.93s   remaining: 55.6s
66:  learn: 0.1415513    total: 3.97s   remaining: 55.3s
67:  learn: 0.1406871    total: 4s      remaining: 54.8s
68:  learn: 0.1396012    total: 4.07s   remaining: 54.9s
69:  learn: 0.1387706    total: 4.09s   remaining: 54.4s
70:  learn: 0.1378667    total: 4.14s   remaining: 54.2s
71:  learn: 0.1370893    total: 4.26s   remaining: 54.9s
72:  learn: 0.1361182    total: 4.33s   remaining: 55s
73:  learn: 0.1352320    total: 4.35s   remaining: 54.5s
74:  learn: 0.1345334    total: 4.38s   remaining: 54s
75:  learn: 0.1338062    total: 4.46s   remaining: 54.2s
76:  learn: 0.1329103    total: 4.49s   remaining: 53.9s
77:  learn: 0.1320991    total: 4.53s   remaining: 53.6s
78:  learn: 0.1314540    total: 4.56s   remaining: 53.1s
79:  learn: 0.1306404    total: 4.63s   remaining: 53.2s
80:  learn: 0.1299444    total: 4.66s   remaining: 52.9s
81:  learn: 0.1292518    total: 4.7s    remaining: 52.6s
82:  learn: 0.1286396    total: 4.74s   remaining: 52.4s
83:  learn: 0.1279585    total: 4.75s   remaining: 51.8s
84:  learn: 0.1273731    total: 4.76s   remaining: 51.2s
85:  learn: 0.1268366    total: 4.82s   remaining: 51.2s
86:  learn: 0.1262608    total: 4.85s   remaining: 50.9s
87:  learn: 0.1256567    total: 4.87s   remaining: 50.5s
88:  learn: 0.1251415    total: 4.93s   remaining: 50.5s
89:  learn: 0.1246997    total: 4.97s   remaining: 50.3s
90:  learn: 0.1241182    total: 4.98s   remaining: 49.8s
91:  learn: 0.1234589    total: 5.07s   remaining: 50.1s

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92: learn: 0.1229151    total: 5.08s  remaining: 49.6s
93: learn: 0.1223868    total: 5.14s  remaining: 49.6s
94: learn: 0.1216308    total: 5.18s  remaining: 49.3s
95: learn: 0.1211679    total: 5.24s  remaining: 49.4s
96: learn: 0.1207401    total: 5.27s  remaining: 49.1s
97: learn: 0.1202855    total: 5.33s  remaining: 49.1s
98: learn: 0.1196752    total: 5.4s   remaining: 49.1s
99: learn: 0.1192629    total: 5.48s  remaining: 49.3s
100: learn: 0.1188690   total: 5.51s  remaining: 49s
101: learn: 0.1183425   total: 5.52s  remaining: 48.6s
102: learn: 0.1178471   total: 5.55s  remaining: 48.4s
103: learn: 0.1173806   total: 5.59s  remaining: 48.2s
104: learn: 0.1170150   total: 5.64s  remaining: 48.1s
105: learn: 0.1164913   total: 5.75s  remaining: 48.5s
106: learn: 0.1160521   total: 5.81s  remaining: 48.5s
107: learn: 0.1155227   total: 5.92s  remaining: 48.9s
108: learn: 0.1151203   total: 5.93s  remaining: 48.5s
109: learn: 0.1147674   total: 5.98s  remaining: 48.4s
110: learn: 0.1144072   total: 6.04s  remaining: 48.4s
111: learn: 0.1139482   total: 6.16s  remaining: 48.8s
112: learn: 0.1135672   total: 6.16s  remaining: 48.4s
113: learn: 0.1132436   total: 6.17s  remaining: 48s
114: learn: 0.1126762   total: 6.27s  remaining: 48.2s
115: learn: 0.1123573   total: 6.34s  remaining: 48.3s
116: learn: 0.1120574   total: 6.44s  remaining: 48.6s
117: learn: 0.1117452   total: 6.53s  remaining: 48.8s
118: learn: 0.1114783   total: 6.54s  remaining: 48.4s
119: learn: 0.1111820   total: 6.58s  remaining: 48.3s
120: learn: 0.1108272   total: 6.68s  remaining: 48.5s
121: learn: 0.1105735   total: 6.79s  remaining: 48.9s
122: learn: 0.1101347   total: 6.84s  remaining: 48.7s
123: learn: 0.1097871   total: 6.88s  remaining: 48.6s
124: learn: 0.1095544   total: 6.94s  remaining: 48.6s
125: learn: 0.1091891   total: 6.99s  remaining: 48.5s
126: learn: 0.1088691   total: 7s     remaining: 48.1s
127: learn: 0.1086607   total: 7.03s  remaining: 47.9s
128: learn: 0.1083143   total: 7.08s  remaining: 47.8s
129: learn: 0.1080232   total: 7.14s  remaining: 47.8s
130: learn: 0.1076794   total: 7.16s  remaining: 47.5s
131: learn: 0.1073965   total: 7.27s  remaining: 47.8s
132: learn: 0.1071053   total: 7.42s  remaining: 48.4s
133: learn: 0.1067350   total: 7.46s  remaining: 48.2s
134: learn: 0.1064606   total: 7.52s  remaining: 48.2s
135: learn: 0.1061206   total: 7.53s  remaining: 47.9s
136: learn: 0.1059258   total: 7.6s   remaining: 47.9s
137: learn: 0.1056728   total: 7.74s  remaining: 48.4s
138: learn: 0.1053447   total: 7.8s   remaining: 48.3s
139: learn: 0.1051009   total: 7.81s  remaining: 48s
140: learn: 0.1048607   total: 7.88s  remaining: 48s
141: learn: 0.1046527   total: 7.93s  remaining: 47.9s
142: learn: 0.1044421   total: 7.96s  remaining: 47.7s
143: learn: 0.1042656   total: 7.96s  remaining: 47.3s
144: learn: 0.1039734   total: 8.08s  remaining: 47.7s
145: learn: 0.1037914   total: 8.18s  remaining: 47.9s
146: learn: 0.1036185   total: 8.19s  remaining: 47.5s
147: learn: 0.1033732   total: 8.25s  remaining: 47.5s
148: learn: 0.1032114   total: 8.26s  remaining: 47.2s
149: learn: 0.1029191   total: 8.31s  remaining: 47.1s
150: learn: 0.1027271   total: 8.32s  remaining: 46.8s
151: learn: 0.1025153   total: 8.34s  remaining: 46.5s
152: learn: 0.1023712   total: 8.39s  remaining: 46.4s
153: learn: 0.1022297   total: 8.43s  remaining: 46.3s
154: learn: 0.1020424   total: 8.44s  remaining: 46s
155: learn: 0.1016464   total: 8.52s  remaining: 46.1s

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156:	learn: 0.1013560	total: 8.56s	remaining: 46s
157:	learn: 0.1009331	total: 8.6s	remaining: 45.9s
158:	learn: 0.1006272	total: 8.72s	remaining: 46.1s
159:	learn: 0.1003669	total: 8.78s	remaining: 46.1s
160:	learn: 0.1002132	total: 8.85s	remaining: 46.1s
161:	learn: 0.0999858	total: 8.99s	remaining: 46.5s
162:	learn: 0.0997561	total: 9.1s	remaining: 46.7s
163:	learn: 0.0995758	total: 9.14s	remaining: 46.6s
164:	learn: 0.0993403	total: 9.27s	remaining: 46.9s
165:	learn: 0.0991835	total: 9.34s	remaining: 46.9s
166:	learn: 0.0988632	total: 9.39s	remaining: 46.9s
167:	learn: 0.0986222	total: 9.48s	remaining: 47s
168:	learn: 0.0984386	total: 9.56s	remaining: 47s
169:	learn: 0.0982728	total: 9.59s	remaining: 46.8s
170:	learn: 0.0980310	total: 9.6s	remaining: 46.5s
171:	learn: 0.0978191	total: 9.65s	remaining: 46.4s
172:	learn: 0.0975546	total: 9.71s	remaining: 46.4s
173:	learn: 0.0973875	total: 9.76s	remaining: 46.3s
174:	learn: 0.0972725	total: 9.77s	remaining: 46s
175:	learn: 0.0970752	total: 9.81s	remaining: 45.9s
176:	learn: 0.0968972	total: 9.85s	remaining: 45.8s
177:	learn: 0.0968092	total: 9.9s	remaining: 45.7s
178:	learn: 0.0966035	total: 9.96s	remaining: 45.7s
179:	learn: 0.0964742	total: 10s	remaining: 45.7s
180:	learn: 0.0962373	total: 10s	remaining: 45.4s
181:	learn: 0.0961184	total: 10.2s	remaining: 45.8s
182:	learn: 0.0960036	total: 10.2s	remaining: 45.5s
183:	learn: 0.0956838	total: 10.2s	remaining: 45.2s
184:	learn: 0.0954979	total: 10.2s	remaining: 45.1s
185:	learn: 0.0953921	total: 10.3s	remaining: 45s
186:	learn: 0.0952190	total: 10.3s	remaining: 44.7s
187:	learn: 0.0949659	total: 10.3s	remaining: 44.7s
188:	learn: 0.0948409	total: 10.4s	remaining: 44.5s
189:	learn: 0.0945890	total: 10.4s	remaining: 44.5s
190:	learn: 0.0943376	total: 10.4s	remaining: 44.2s
191:	learn: 0.0942050	total: 10.5s	remaining: 44.1s
192:	learn: 0.0941259	total: 10.5s	remaining: 43.9s
193:	learn: 0.0938815	total: 10.5s	remaining: 43.7s
194:	learn: 0.0937334	total: 10.5s	remaining: 43.5s
195:	learn: 0.0935085	total: 10.6s	remaining: 43.6s
196:	learn: 0.0933398	total: 10.6s	remaining: 43.3s
197:	learn: 0.0932690	total: 10.8s	remaining: 43.6s
198:	learn: 0.0931737	total: 10.9s	remaining: 43.7s
199:	learn: 0.0930172	total: 10.9s	remaining: 43.5s
200:	learn: 0.0927908	total: 10.9s	remaining: 43.4s
201:	learn: 0.0925796	total: 11s	remaining: 43.3s
202:	learn: 0.0924846	total: 11s	remaining: 43.2s
203:	learn: 0.0921607	total: 11.1s	remaining: 43.4s
204:	learn: 0.0920715	total: 11.2s	remaining: 43.3s
205:	learn: 0.0919995	total: 11.2s	remaining: 43.1s
206:	learn: 0.0918660	total: 11.3s	remaining: 43.2s
207:	learn: 0.0917731	total: 11.3s	remaining: 43s
208:	learn: 0.0915317	total: 11.5s	remaining: 43.5s
209:	learn: 0.0914351	total: 11.5s	remaining: 43.3s
210:	learn: 0.0913464	total: 11.6s	remaining: 43.4s
211:	learn: 0.0910892	total: 11.7s	remaining: 43.4s
212:	learn: 0.0910162	total: 11.7s	remaining: 43.3s
213:	learn: 0.0907862	total: 11.7s	remaining: 43.1s
214:	learn: 0.0906524	total: 11.8s	remaining: 43s
215:	learn: 0.0905574	total: 11.8s	remaining: 42.9s
216:	learn: 0.0904540	total: 11.9s	remaining: 43s
217:	learn: 0.0901700	total: 12s	remaining: 42.9s
56:	learn: 0.1581072	total: 4.4s	remaining: 1m 12s
57:	learn: 0.1568219	total: 4.41s	remaining: 1m 11s

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58: learn: 0.1553724    total: 4.56s    remaining: 1m 12s
59: learn: 0.1540019    total: 4.63s    remaining: 1m 12s
60: learn: 0.1527285    total: 4.71s    remaining: 1m 12s
61: learn: 0.1515046    total: 4.81s    remaining: 1m 12s
62: learn: 0.1500243    total: 4.89s    remaining: 1m 12s
63: learn: 0.1488604    total: 4.93s    remaining: 1m 12s
64: learn: 0.1476584    total: 4.96s    remaining: 1m 11s
65: learn: 0.1465525    total: 4.97s    remaining: 1m 10s
66: learn: 0.1455379    total: 5.02s    remaining: 1m 9s
67: learn: 0.1446121    total: 5.03s    remaining: 1m 8s
68: learn: 0.1437143    total: 5.13s    remaining: 1m 9s
69: learn: 0.1427051    total: 5.16s    remaining: 1m 8s
70: learn: 0.1417924    total: 5.18s    remaining: 1m 7s
71: learn: 0.1407597    total: 5.23s    remaining: 1m 7s
72: learn: 0.1400370    total: 5.28s    remaining: 1m 6s
73: learn: 0.1392147    total: 5.31s    remaining: 1m 6s
74: learn: 0.1384804    total: 5.35s    remaining: 1m 6s
75: learn: 0.1376474    total: 5.44s    remaining: 1m 6s
76: learn: 0.1369495    total: 5.52s    remaining: 1m 6s
77: learn: 0.1364086    total: 5.57s    remaining: 1m 5s
78: learn: 0.1358492    total: 5.66s    remaining: 1m 6s
79: learn: 0.1351619    total: 5.74s    remaining: 1m 6s
80: learn: 0.1345274    total: 5.76s    remaining: 1m 5s
81: learn: 0.1337364    total: 5.81s    remaining: 1m 5s
82: learn: 0.1331276    total: 5.89s    remaining: 1m 5s
83: learn: 0.1322896    total: 5.98s    remaining: 1m 5s
84: learn: 0.1318137    total: 5.99s    remaining: 1m 4s
85: learn: 0.1310813    total: 6.01s    remaining: 1m 3s
86: learn: 0.1303763    total: 6.09s    remaining: 1m 3s
87: learn: 0.1298099    total: 6.12s    remaining: 1m 3s
88: learn: 0.1291327    total: 6.17s    remaining: 1m 3s
89: learn: 0.1284957    total: 6.19s    remaining: 1m 2s
90: learn: 0.1279026    total: 6.3s     remaining: 1m 2s
91: learn: 0.1272964    total: 6.4s     remaining: 1m 3s
92: learn: 0.1266757    total: 6.45s    remaining: 1m 2s
93: learn: 0.1260996    total: 6.47s    remaining: 1m 2s
94: learn: 0.1256036    total: 6.61s    remaining: 1m 2s
95: learn: 0.1251816    total: 6.64s    remaining: 1m 2s
96: learn: 0.1246451    total: 6.66s    remaining: 1m 1s
97: learn: 0.1241568    total: 6.72s    remaining: 1m 1s
98: learn: 0.1237597    total: 6.74s    remaining: 1m 1s
99: learn: 0.1232782    total: 6.78s    remaining: 1m 1s
100: learn: 0.1226916   total: 6.82s    remaining: 1m
101: learn: 0.1223853   total: 6.88s    remaining: 1m
102: learn: 0.1218616   total: 6.96s    remaining: 1m
103: learn: 0.1214759   total: 6.98s    remaining: 1m
104: learn: 0.1210932   total: 7.04s    remaining: 1m
105: learn: 0.1205836   total: 7.08s    remaining: 59.7s
106: learn: 0.1201343   total: 7.13s    remaining: 59.6s
107: learn: 0.1196340   total: 7.18s    remaining: 59.3s
108: learn: 0.1192383   total: 7.25s    remaining: 59.3s
109: learn: 0.1188197   total: 7.3s     remaining: 59.1s
110: learn: 0.1185160   total: 7.37s    remaining: 59s
111: learn: 0.1180532   total: 7.43s    remaining: 58.9s
112: learn: 0.1176049   total: 7.49s    remaining: 58.8s
113: learn: 0.1172488   total: 7.59s    remaining: 59s
114: learn: 0.1168286   total: 7.6s     remaining: 58.5s
115: learn: 0.1163815   total: 7.61s    remaining: 58s
116: learn: 0.1159896   total: 7.65s    remaining: 57.8s
117: learn: 0.1154598   total: 7.67s    remaining: 57.3s
118: learn: 0.1152054   total: 7.68s    remaining: 56.8s
119: learn: 0.1149001   total: 7.71s    remaining: 56.5s
120: learn: 0.1146246   total: 7.72s    remaining: 56.1s
121: learn: 0.1143622   total: 7.72s    remaining: 55.6s

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122: learn: 0.1139297    total: 7.77s  remaining: 55.4s
123: learn: 0.1135679    total: 7.87s  remaining: 55.6s
124: learn: 0.1132310    total: 7.92s  remaining: 55.4s
125: learn: 0.1129469    total: 7.97s  remaining: 55.3s
126: learn: 0.1125446    total: 8.04s  remaining: 55.2s
127: learn: 0.1122179    total: 8.06s  remaining: 54.9s
128: learn: 0.1119588    total: 8.12s  remaining: 54.8s
129: learn: 0.1116373    total: 8.15s  remaining: 54.6s
130: learn: 0.1112915    total: 8.18s  remaining: 54.3s
131: learn: 0.1110239    total: 8.3s   remaining: 54.6s
132: learn: 0.1106434    total: 8.34s  remaining: 54.4s
133: learn: 0.1103905    total: 8.36s  remaining: 54s
134: learn: 0.1101181    total: 8.38s  remaining: 53.7s
135: learn: 0.1097795    total: 8.43s  remaining: 53.5s
136: learn: 0.1094553    total: 8.46s  remaining: 53.3s
137: learn: 0.1091894    total: 8.52s  remaining: 53.2s
138: learn: 0.1088697    total: 8.55s  remaining: 53s
139: learn: 0.1086039    total: 8.56s  remaining: 52.6s
140: learn: 0.1082673    total: 8.58s  remaining: 52.3s
141: learn: 0.1079170    total: 8.63s  remaining: 52.2s
142: learn: 0.1076103    total: 8.68s  remaining: 52s
143: learn: 0.1072749    total: 8.73s  remaining: 51.9s
144: learn: 0.1070163    total: 8.75s  remaining: 51.6s
145: learn: 0.1067589    total: 8.83s  remaining: 51.6s
146: learn: 0.1065751    total: 8.88s  remaining: 51.5s
147: learn: 0.1063017    total: 8.88s  remaining: 51.1s
148: learn: 0.1060881    total: 9.01s  remaining: 51.5s
149: learn: 0.1057107    total: 9.07s  remaining: 51.4s
150: learn: 0.1056075    total: 9.1s   remaining: 51.2s
151: learn: 0.1053804    total: 9.19s  remaining: 51.3s
152: learn: 0.1052028    total: 9.24s  remaining: 51.2s
153: learn: 0.1048637    total: 9.26s  remaining: 50.9s
154: learn: 0.1046400    total: 9.33s  remaining: 50.9s
155: learn: 0.1043981    total: 9.4s   remaining: 50.9s
156: learn: 0.1042293    total: 9.48s  remaining: 50.9s
157: learn: 0.1039190    total: 9.62s  remaining: 51.2s
158: learn: 0.1037632    total: 9.62s  remaining: 50.9s
159: learn: 0.1035405    total: 9.68s  remaining: 50.8s
160: learn: 0.1033307    total: 9.73s  remaining: 50.7s
161: learn: 0.1031243    total: 9.8s   remaining: 50.7s
162: learn: 0.1029602    total: 9.82s  remaining: 50.4s
163: learn: 0.1027862    total: 9.84s  remaining: 50.2s
164: learn: 0.1026088    total: 9.94s  remaining: 50.3s
165: learn: 0.1024123    total: 9.99s  remaining: 50.2s
166: learn: 0.1022355    total: 10s   remaining: 50.1s
167: learn: 0.1021632    total: 10s   remaining: 49.8s
168: learn: 0.1019972    total: 10.1s  remaining: 49.7s
169: learn: 0.1017398    total: 10.1s  remaining: 49.4s
170: learn: 0.1014585    total: 10.2s  remaining: 49.4s
171: learn: 0.1013017    total: 10.3s  remaining: 49.7s
172: learn: 0.1011219    total: 10.3s  remaining: 49.5s
173: learn: 0.1009903    total: 10.4s  remaining: 49.2s
174: learn: 0.1008398    total: 10.4s  remaining: 49.2s
175: learn: 0.1006328    total: 10.5s  remaining: 48.9s
176: learn: 0.1003365    total: 10.5s  remaining: 48.6s
177: learn: 0.0999656    total: 10.6s  remaining: 48.9s
178: learn: 0.0997438    total: 10.7s  remaining: 48.9s
179: learn: 0.0995272    total: 10.7s  remaining: 48.8s
180: learn: 0.0993677    total: 10.9s  remaining: 49.3s
181: learn: 0.0992233    total: 10.9s  remaining: 49.2s
182: learn: 0.0990520    total: 11s   remaining: 49s
183: learn: 0.0988203    total: 11s   remaining: 48.8s
184: learn: 0.0986003    total: 11.1s  remaining: 48.8s
185: learn: 0.0984597    total: 11.2s  remaining: 48.9s

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186: learn: 0.0981886    total: 11.2s  remaining: 48.6s
187: learn: 0.0980406    total: 11.2s  remaining: 48.5s
188: learn: 0.0978846    total: 11.3s  remaining: 48.3s
189: learn: 0.0976643    total: 11.3s  remaining: 48.3s
190: learn: 0.0974432    total: 11.3s  remaining: 48s
191: learn: 0.0973425    total: 11.3s  remaining: 47.7s
192: learn: 0.0971794    total: 11.4s  remaining: 47.6s
193: learn: 0.0969954    total: 11.4s  remaining: 47.6s
194: learn: 0.0967724    total: 11.5s  remaining: 47.3s
195: learn: 0.0965248    total: 11.5s  remaining: 47.1s
196: learn: 0.0963802    total: 11.5s  remaining: 46.9s
197: learn: 0.0961345    total: 11.5s  remaining: 46.8s
198: learn: 0.0960313    total: 11.6s  remaining: 46.6s
199: learn: 0.0958215    total: 11.7s  remaining: 46.6s
200: learn: 0.0955787    total: 11.8s  remaining: 47s
201: learn: 0.0953933    total: 11.8s  remaining: 46.7s
202: learn: 0.0952729    total: 11.9s  remaining: 46.8s
203: learn: 0.0951784    total: 11.9s  remaining: 46.6s
204: learn: 0.0950348    total: 12s   remaining: 46.7s
205: learn: 0.0948097    total: 12.1s  remaining: 46.6s
206: learn: 0.0946422    total: 12.3s  remaining: 47.1s
207: learn: 0.0944391    total: 12.3s  remaining: 46.9s
208: learn: 0.0943313    total: 12.3s  remaining: 46.7s
209: learn: 0.0941901    total: 12.4s  remaining: 46.5s
210: learn: 0.0940402    total: 12.4s  remaining: 46.5s
211: learn: 0.0938412    total: 12.5s  remaining: 46.4s
212: learn: 0.0937062    total: 12.5s  remaining: 46.2s
213: learn: 0.0935686    total: 12.5s  remaining: 45.9s
214: learn: 0.0933707    total: 12.6s  remaining: 45.8s
56:  learn: 0.1517234    total: 4.03s remaining: 1m 6s
57:  learn: 0.1504621    total: 4.11s remaining: 1m 6s
58:  learn: 0.1489878    total: 4.25s remaining: 1m 7s
59:  learn: 0.1477157    total: 4.33s remaining: 1m 7s
60:  learn: 0.1465802    total: 4.47s remaining: 1m 8s
61:  learn: 0.1454762    total: 4.57s remaining: 1m 9s
62:  learn: 0.1444126    total: 4.59s remaining: 1m 8s
63:  learn: 0.1432434    total: 4.66s remaining: 1m 8s
64:  learn: 0.1419496    total: 4.71s remaining: 1m 7s
65:  learn: 0.1408170    total: 4.79s remaining: 1m 7s
66:  learn: 0.1398461    total: 4.8s  remaining: 1m 6s
67:  learn: 0.1388070    total: 4.84s remaining: 1m 6s
68:  learn: 0.1380451    total: 4.9s  remaining: 1m 6s
69:  learn: 0.1370437    total: 4.92s remaining: 1m 5s
70:  learn: 0.1362274    total: 4.93s remaining: 1m 4s
71:  learn: 0.1351628    total: 4.96s remaining: 1m 3s
72:  learn: 0.1343308    total: 4.99s remaining: 1m 3s
73:  learn: 0.1334149    total: 5.06s remaining: 1m 3s
74:  learn: 0.1326629    total: 5.1s  remaining: 1m 2s
75:  learn: 0.1319070    total: 5.19s remaining: 1m 3s
76:  learn: 0.1311816    total: 5.22s remaining: 1m 2s
77:  learn: 0.1302356    total: 5.28s remaining: 1m 2s
78:  learn: 0.1293262    total: 5.32s remaining: 1m 2s
79:  learn: 0.1284197    total: 5.38s remaining: 1m 1s
80:  learn: 0.1277977    total: 5.48s remaining: 1m 2s
81:  learn: 0.1271552    total: 5.52s remaining: 1m 1s
82:  learn: 0.1263318    total: 5.55s remaining: 1m 1s
83:  learn: 0.1256412    total: 5.56s remaining: 1m
84:  learn: 0.1250697    total: 5.58s remaining: 1m
85:  learn: 0.1244169    total: 5.6s  remaining: 59.5s
86:  learn: 0.1237439    total: 5.6s  remaining: 58.8s
87:  learn: 0.1230599    total: 5.61s remaining: 58.1s
88:  learn: 0.1225177    total: 5.67s remaining: 58.1s
89:  learn: 0.1218792    total: 5.71s remaining: 57.7s
90:  learn: 0.1211391    total: 5.76s remaining: 57.5s

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91: learn: 0.1205724      total: 5.85s  remaining: 57.8s
92: learn: 0.1200972      total: 5.86s  remaining: 57.1s
93: learn: 0.1195899      total: 5.92s  remaining: 57.1s
94: learn: 0.1189400      total: 5.93s  remaining: 56.5s
95: learn: 0.1183081      total: 5.96s  remaining: 56.1s
96: learn: 0.1176706      total: 6.09s  remaining: 56.7s
97: learn: 0.1172100      total: 6.16s  remaining: 56.7s
98: learn: 0.1168391      total: 6.25s  remaining: 56.8s
99: learn: 0.1162083      total: 6.29s  remaining: 56.6s
100: learn: 0.1157941     total: 6.36s  remaining: 56.6s
101: learn: 0.1153600     total: 6.4s   remaining: 56.3s
102: learn: 0.1149172     total: 6.43s  remaining: 56s
103: learn: 0.1144506     total: 6.5s   remaining: 56s
104: learn: 0.1141107     total: 6.53s  remaining: 55.7s
105: learn: 0.1136898     total: 6.55s  remaining: 55.2s
106: learn: 0.1132982     total: 6.61s  remaining: 55.2s
107: learn: 0.1129434     total: 6.68s  remaining: 55.1s
108: learn: 0.1125381     total: 6.75s  remaining: 55.1s
109: learn: 0.1122308     total: 6.81s  remaining: 55.1s
110: learn: 0.1118039     total: 6.82s  remaining: 54.6s
111: learn: 0.1114230     total: 6.87s  remaining: 54.5s
112: learn: 0.1110566     total: 6.88s  remaining: 54s
113: learn: 0.1108225     total: 6.9s   remaining: 53.6s
114: learn: 0.1104759     total: 7.12s  remaining: 54.8s
115: learn: 0.1100134     total: 7.2s   remaining: 54.9s
116: learn: 0.1097254     total: 7.25s  remaining: 54.8s
117: learn: 0.1094135     total: 7.31s  remaining: 54.6s
118: learn: 0.1090006     total: 7.41s  remaining: 54.8s
119: learn: 0.1086497     total: 7.49s  remaining: 54.9s
120: learn: 0.1082669     total: 7.56s  remaining: 54.9s
121: learn: 0.1079014     total: 7.61s  remaining: 54.8s
122: learn: 0.1076208     total: 7.69s  remaining: 54.8s
123: learn: 0.1073481     total: 7.7s   remaining: 54.4s
124: learn: 0.1070455     total: 7.76s  remaining: 54.3s
125: learn: 0.1067308     total: 7.81s  remaining: 54.2s
126: learn: 0.1064102     total: 7.86s  remaining: 54s
127: learn: 0.1062381     total: 7.94s  remaining: 54.1s
128: learn: 0.1059086     total: 8s    remaining: 54s
129: learn: 0.1057062     total: 8.06s  remaining: 53.9s
130: learn: 0.1053706     total: 8.11s  remaining: 53.8s
131: learn: 0.1051854     total: 8.15s  remaining: 53.6s
132: learn: 0.1048536     total: 8.18s  remaining: 53.3s
133: learn: 0.1045537     total: 8.2s   remaining: 53s
134: learn: 0.1043211     total: 8.26s  remaining: 52.9s
135: learn: 0.1037048     total: 8.3s   remaining: 52.7s
136: learn: 0.1031838     total: 8.32s  remaining: 52.4s
137: learn: 0.1029967     total: 8.36s  remaining: 52.2s
138: learn: 0.1028082     total: 8.37s  remaining: 51.8s
139: learn: 0.1025842     total: 8.41s  remaining: 51.6s
140: learn: 0.1023764     total: 8.46s  remaining: 51.5s
141: learn: 0.1020565     total: 8.55s  remaining: 51.7s
142: learn: 0.1015999     total: 8.62s  remaining: 51.6s
143: learn: 0.1014030     total: 8.65s  remaining: 51.4s
144: learn: 0.1011891     total: 8.72s  remaining: 51.4s
145: learn: 0.1009549     total: 8.76s  remaining: 51.2s
146: learn: 0.1007862     total: 8.81s  remaining: 51.1s
147: learn: 0.1005613     total: 8.86s  remaining: 51s
148: learn: 0.1003538     total: 8.87s  remaining: 50.7s
149: learn: 0.1001745     total: 8.88s  remaining: 50.3s
150: learn: 0.0999361     total: 8.9s   remaining: 50.1s
151: learn: 0.0996800     total: 9.01s  remaining: 50.3s
152: learn: 0.0994417     total: 9.06s  remaining: 50.1s
153: learn: 0.0992461     total: 9.13s  remaining: 50.1s
154: learn: 0.0990003     total: 9.19s  remaining: 50.1s

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155: learn: 0.0988063      total: 9.27s    remaining: 50.2s
156: learn: 0.0985908      total: 9.33s    remaining: 50.1s
157: learn: 0.0984683      total: 9.44s    remaining: 50.3s
158: learn: 0.0982517      total: 9.47s    remaining: 50.1s
159: learn: 0.0979850      total: 9.55s    remaining: 50.2s
160: learn: 0.0978098      total: 9.66s    remaining: 50.3s
161: learn: 0.0976226      total: 9.76s    remaining: 50.5s
162: learn: 0.0974013      total: 9.84s    remaining: 50.6s
163: learn: 0.0972244      total: 9.92s    remaining: 50.6s
164: learn: 0.0970673      total: 9.95s    remaining: 50.3s
165: learn: 0.0968368      total: 9.98s    remaining: 50.2s
166: learn: 0.0966806      total: 10.1s    remaining: 50.3s
167: learn: 0.0965104      total: 10.1s    remaining: 50s
168: learn: 0.0963147      total: 10.2s    remaining: 50.4s
169: learn: 0.0961009      total: 10.3s    remaining: 50.1s
170: learn: 0.0958870      total: 10.3s    remaining: 49.9s
171: learn: 0.0957112      total: 10.3s    remaining: 49.7s
172: learn: 0.0955403      total: 10.4s    remaining: 49.5s
173: learn: 0.0952176      total: 10.4s    remaining: 49.3s
174: learn: 0.0951055      total: 10.4s    remaining: 49.2s
175: learn: 0.0948619      total: 10.5s    remaining: 49s
176: learn: 0.0945941      total: 10.5s    remaining: 48.8s
177: learn: 0.0945231      total: 10.5s    remaining: 48.6s
178: learn: 0.0944241      total: 10.6s    remaining: 48.4s
179: learn: 0.0943199      total: 10.6s    remaining: 48.5s
180: learn: 0.0941028      total: 10.7s    remaining: 48.3s
181: learn: 0.0937967      total: 10.7s    remaining: 48.1s
182: learn: 0.0936759      total: 10.8s    remaining: 48.2s
183: learn: 0.0933954      total: 10.8s    remaining: 48s
184: learn: 0.0932721      total: 10.8s    remaining: 47.8s
185: learn: 0.0931821      total: 10.9s    remaining: 47.6s
186: learn: 0.0929461      total: 10.9s    remaining: 47.5s
187: learn: 0.0927809      total: 10.9s    remaining: 47.2s
188: learn: 0.0926945      total: 11s      remaining: 47.1s
189: learn: 0.0926286      total: 11s      remaining: 46.9s
190: learn: 0.0924355      total: 11s      remaining: 46.6s
191: learn: 0.0922686      total: 11.1s    remaining: 46.7s
192: learn: 0.0921876      total: 11.3s    remaining: 47.1s
193: learn: 0.0921085      total: 11.4s    remaining: 47.3s
194: learn: 0.0919265      total: 11.5s    remaining: 47.4s
195: learn: 0.0917019      total: 11.6s    remaining: 47.6s
196: learn: 0.0915632      total: 11.6s    remaining: 47.4s
197: learn: 0.0913800      total: 11.7s    remaining: 47.2s
198: learn: 0.0912969      total: 11.8s    remaining: 47.5s
199: learn: 0.0911132      total: 11.9s    remaining: 47.4s
200: learn: 0.0909858      total: 12s      remaining: 47.8s
201: learn: 0.0908591      total: 12s      remaining: 47.5s
202: learn: 0.0907187      total: 12.1s    remaining: 47.5s
203: learn: 0.0906571      total: 12.1s    remaining: 47.3s
204: learn: 0.0904137      total: 12.1s    remaining: 47.1s
205: learn: 0.0901804      total: 12.2s    remaining: 46.9s
206: learn: 0.0900553      total: 12.3s    remaining: 47.1s
207: learn: 0.0898348      total: 12.3s    remaining: 46.9s
208: learn: 0.0897353      total: 12.4s    remaining: 46.8s
209: learn: 0.0896562      total: 12.4s    remaining: 46.8s
210: learn: 0.0895479      total: 12.5s    remaining: 46.6s
211: learn: 0.0893575      total: 12.5s    remaining: 46.4s
212: learn: 0.0892058      total: 12.5s    remaining: 46.3s
213: learn: 0.0890478      total: 12.5s    remaining: 46s
214: learn: 0.0889475      total: 12.6s    remaining: 46s

Learning rate set to 0.04196
0:   learn: 0.3905579      total: 312ms  remaining: 5m 11s
1:   learn: 0.3805478      total: 475ms  remaining: 3m 57s
2:   learn: 0.3708542      total: 601ms  remaining: 3m 19s

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3:    learn: 0.3604531      total: 628ms   remaining: 2m 36s
4:    learn: 0.3507325      total: 688ms   remaining: 2m 16s
5:    learn: 0.3417504      total: 832ms   remaining: 2m 17s
6:    learn: 0.3332388      total: 963ms   remaining: 2m 16s
7:    learn: 0.3248477      total: 1s      remaining: 2m 4s
8:    learn: 0.3172511      total: 1.08s   remaining: 1m 58s
9:    learn: 0.3093551      total: 1.2s    remaining: 1m 59s
10:   learn: 0.3026765      total: 1.27s   remaining: 1m 54s
11:   learn: 0.2966607      total: 1.3s    remaining: 1m 47s
12:   learn: 0.2904307      total: 1.35s   remaining: 1m 42s
13:   learn: 0.2837045      total: 1.39s   remaining: 1m 37s
14:   learn: 0.2768300      total: 1.44s   remaining: 1m 34s
15:   learn: 0.2711226      total: 1.47s   remaining: 1m 30s
16:   learn: 0.2648091      total: 1.55s   remaining: 1m 29s
17:   learn: 0.2591474      total: 1.71s   remaining: 1m 33s
18:   learn: 0.2542679      total: 1.73s   remaining: 1m 29s
19:   learn: 0.2489768      total: 1.74s   remaining: 1m 25s
20:   learn: 0.2439334      total: 1.79s   remaining: 1m 23s
21:   learn: 0.2390235      total: 1.8s    remaining: 1m 20s
22:   learn: 0.2341741      total: 1.85s   remaining: 1m 18s
23:   learn: 0.2294056      total: 1.85s   remaining: 1m 15s
24:   learn: 0.2251426      total: 1.93s   remaining: 1m 15s
25:   learn: 0.2209992      total: 1.95s   remaining: 1m 13s
26:   learn: 0.2171321      total: 2.01s   remaining: 1m 12s
27:   learn: 0.2140645      total: 2.1s    remaining: 1m 12s
28:   learn: 0.2103667      total: 2.25s   remaining: 1m 15s
29:   learn: 0.2066810      total: 2.26s   remaining: 1m 13s
30:   learn: 0.2030993      total: 2.32s   remaining: 1m 12s
31:   learn: 0.1999247      total: 2.37s   remaining: 1m 11s
32:   learn: 0.1966712      total: 2.39s   remaining: 1m 10s
33:   learn: 0.1937808      total: 2.49s   remaining: 1m 10s
34:   learn: 0.1910670      total: 2.51s   remaining: 1m 9s
35:   learn: 0.1879756      total: 2.67s   remaining: 1m 11s
36:   learn: 0.1854341      total: 2.74s   remaining: 1m 11s
37:   learn: 0.1828831      total: 2.87s   remaining: 1m 12s
38:   learn: 0.1804112      total: 2.89s   remaining: 1m 11s
39:   learn: 0.1781913      total: 2.93s   remaining: 1m 10s
40:   learn: 0.1758133      total: 2.94s   remaining: 1m 8s
41:   learn: 0.1735531      total: 3.03s   remaining: 1m 9s
42:   learn: 0.1712081      total: 3.05s   remaining: 1m 7s
43:   learn: 0.1692788      total: 3.1s    remaining: 1m 7s
44:   learn: 0.1674998      total: 3.17s   remaining: 1m 7s
45:   learn: 0.1655946      total: 3.23s   remaining: 1m 6s
46:   learn: 0.1637813      total: 3.27s   remaining: 1m 6s
47:   learn: 0.1620241      total: 3.37s   remaining: 1m 6s
48:   learn: 0.1603415      total: 3.39s   remaining: 1m 5s
49:   learn: 0.1587351      total: 3.42s   remaining: 1m 4s
50:   learn: 0.1572329      total: 3.46s   remaining: 1m 4s
51:   learn: 0.1556334      total: 3.56s   remaining: 1m 4s
52:   learn: 0.1542934      total: 3.59s   remaining: 1m 4s
53:   learn: 0.1528957      total: 3.65s   remaining: 1m 3s
54:   learn: 0.1513884      total: 3.66s   remaining: 1m 2s
55:   learn: 0.1500931      total: 3.76s   remaining: 1m 3s
56:   learn: 0.1489257      total: 3.79s   remaining: 1m 2s
57:   learn: 0.1474834      total: 3.84s   remaining: 1m 2s
58:   learn: 0.1463223      total: 3.85s   remaining: 1m 1s
59:   learn: 0.1453553      total: 3.93s   remaining: 1m 1s
60:   learn: 0.1443255      total: 3.98s   remaining: 1m 1s
61:   learn: 0.1431321      total: 4.01s   remaining: 1m
62:   learn: 0.1420347      total: 4.06s   remaining: 1m
63:   learn: 0.1409808      total: 4.07s   remaining: 59.5s
64:   learn: 0.1401737      total: 4.08s   remaining: 58.6s
65:   learn: 0.1391234      total: 4.09s   remaining: 57.9s
66:   learn: 0.1383475      total: 4.21s   remaining: 58.6s

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67: learn: 0.1375054    total: 4.25s  remaining: 58.2s
68: learn: 0.1366867    total: 4.39s  remaining: 59.3s
69: learn: 0.1358796    total: 4.45s  remaining: 59.1s
70: learn: 0.1350190    total: 4.52s  remaining: 59.1s
71: learn: 0.1342252    total: 4.66s  remaining: 1m
72: learn: 0.1333773    total: 4.72s  remaining: 59.9s
73: learn: 0.1326152    total: 4.79s  remaining: 59.9s
74: learn: 0.1316713    total: 4.93s  remaining: 1m
75: learn: 0.1309425    total: 5.04s  remaining: 1m 1s
76: learn: 0.1302269    total: 5.12s  remaining: 1m 1s
77: learn: 0.1296512    total: 5.19s  remaining: 1m 1s
78: learn: 0.1290538    total: 5.21s  remaining: 1m
79: learn: 0.1284069    total: 5.27s  remaining: 1m
80: learn: 0.1277089    total: 5.35s  remaining: 1m
81: learn: 0.1270948    total: 5.36s  remaining: 60s
82: learn: 0.1264345    total: 5.39s  remaining: 59.5s
83: learn: 0.1258517    total: 5.4s   remaining: 58.9s
84: learn: 0.1252675    total: 5.46s  remaining: 58.8s
85: learn: 0.1246949    total: 5.53s  remaining: 58.8s
86: learn: 0.1241183    total: 5.57s  remaining: 58.4s
87: learn: 0.1236502    total: 5.6s   remaining: 58.1s
88: learn: 0.1230520    total: 5.62s  remaining: 57.5s
89: learn: 0.1224949    total: 5.65s  remaining: 57.1s
90: learn: 0.1219288    total: 5.66s  remaining: 56.6s
91: learn: 0.1215443    total: 5.67s  remaining: 56s
92: learn: 0.1211335    total: 5.7s   remaining: 55.6s
93: learn: 0.1206498    total: 5.72s  remaining: 55.2s
94: learn: 0.1199647    total: 5.73s  remaining: 54.6s
95: learn: 0.1195674    total: 5.82s  remaining: 54.8s
96: learn: 0.1191204    total: 5.87s  remaining: 54.6s
97: learn: 0.1186512    total: 5.88s  remaining: 54.1s
98: learn: 0.1182392    total: 5.94s  remaining: 54.1s
99: learn: 0.1177854    total: 6.08s  remaining: 54.7s
100: learn: 0.1173625   total: 6.13s  remaining: 54.6s
101: learn: 0.1169723   total: 6.16s  remaining: 54.2s
102: learn: 0.1165340   total: 6.23s  remaining: 54.3s
103: learn: 0.1161358   total: 6.3s   remaining: 54.3s
104: learn: 0.1157423   total: 6.34s  remaining: 54.1s
105: learn: 0.1153863   total: 6.4s   remaining: 54s
106: learn: 0.1149531   total: 6.46s  remaining: 53.9s
107: learn: 0.1146609   total: 6.53s  remaining: 53.9s
108: learn: 0.1143653   total: 6.58s  remaining: 53.8s
109: learn: 0.1139034   total: 6.63s  remaining: 53.7s
110: learn: 0.1135997   total: 6.67s  remaining: 53.5s
111: learn: 0.1132264   total: 6.72s  remaining: 53.3s
112: learn: 0.1128185   total: 6.78s  remaining: 53.2s
113: learn: 0.1125081   total: 6.82s  remaining: 53s
114: learn: 0.1120983   total: 6.83s  remaining: 52.6s
115: learn: 0.1117243   total: 6.84s  remaining: 52.2s
116: learn: 0.1113316   total: 6.91s  remaining: 52.1s
117: learn: 0.1111169   total: 6.97s  remaining: 52.1s
118: learn: 0.1108260   total: 7.04s  remaining: 52.1s
119: learn: 0.1105167   total: 7.08s  remaining: 51.9s
120: learn: 0.1101985   total: 7.09s  remaining: 51.5s
121: learn: 0.1099180   total: 7.2s   remaining: 51.8s
122: learn: 0.1096513   total: 7.21s  remaining: 51.4s
123: learn: 0.1093718   total: 7.26s  remaining: 51.3s
124: learn: 0.1088969   total: 7.33s  remaining: 51.3s
125: learn: 0.1086314   total: 7.38s  remaining: 51.2s
126: learn: 0.1083794   total: 7.43s  remaining: 51.1s
127: learn: 0.1080319   total: 7.47s  remaining: 50.9s
128: learn: 0.1077054   total: 7.53s  remaining: 50.8s
129: learn: 0.1075104   total: 7.58s  remaining: 50.7s
130: learn: 0.1072365   total: 7.59s  remaining: 50.4s

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131: learn: 0.1069702      total: 7.64s  remaining: 50.3s
132: learn: 0.1066866      total: 7.71s  remaining: 50.3s
133: learn: 0.1063561      total: 7.77s  remaining: 50.2s
134: learn: 0.1061017      total: 7.83s  remaining: 50.2s
135: learn: 0.1058567      total: 7.9s   remaining: 50.2s
136: learn: 0.1055659      total: 7.9s   remaining: 49.8s
137: learn: 0.1053269      total: 7.91s  remaining: 49.4s
138: learn: 0.1051111      total: 7.99s  remaining: 49.5s
139: learn: 0.1049157      total: 8s     remaining: 49.1s
140: learn: 0.1047121      total: 8.01s  remaining: 48.8s
141: learn: 0.1045164      total: 8.04s  remaining: 48.6s
142: learn: 0.1043506      total: 8.04s  remaining: 48.2s
143: learn: 0.1041328      total: 8.08s  remaining: 48s
144: learn: 0.1039621      total: 8.11s  remaining: 47.8s
145: learn: 0.1038378      total: 8.13s  remaining: 47.5s
146: learn: 0.1037039      total: 8.21s  remaining: 47.6s
147: learn: 0.1035333      total: 8.22s  remaining: 47.3s
148: learn: 0.1034423      total: 8.23s  remaining: 47s
149: learn: 0.1032496      total: 8.38s  remaining: 47.5s
150: learn: 0.1030703      total: 8.47s  remaining: 47.6s
151: learn: 0.1029112      total: 8.51s  remaining: 47.5s
152: learn: 0.1026348      total: 8.59s  remaining: 47.6s
153: learn: 0.1023999      total: 8.62s  remaining: 47.3s
154: learn: 0.1021637      total: 8.67s  remaining: 47.3s
155: learn: 0.1019969      total: 8.72s  remaining: 47.2s
156: learn: 0.1018726      total: 8.77s  remaining: 47.1s
157: learn: 0.1016606      total: 8.78s  remaining: 46.8s
158: learn: 0.1014195      total: 8.93s  remaining: 47.2s
214: learn: 0.0887239      total: 10.8s  remaining: 39.4s
215: learn: 0.0883464      total: 10.8s  remaining: 39.3s
216: learn: 0.0881572      total: 10.8s  remaining: 39.1s
217: learn: 0.0880891      total: 10.9s  remaining: 39s
218: learn: 0.0879424      total: 10.9s  remaining: 38.8s
219: learn: 0.0877308      total: 10.9s  remaining: 38.7s
220: learn: 0.0876238      total: 11s    remaining: 38.6s
221: learn: 0.0875043      total: 11s    remaining: 38.4s
222: learn: 0.0872928      total: 11s    remaining: 38.2s
223: learn: 0.0871408      total: 11s    remaining: 38s
224: learn: 0.0870210      total: 11s    remaining: 38s
225: learn: 0.0868029      total: 11.1s  remaining: 38.1s
226: learn: 0.0866304      total: 11.2s  remaining: 38.2s
227: learn: 0.0864091      total: 11.3s  remaining: 38.1s
228: learn: 0.0862902      total: 11.3s  remaining: 37.9s
229: learn: 0.0862099      total: 11.3s  remaining: 37.8s
230: learn: 0.0860912      total: 11.3s  remaining: 37.7s
231: learn: 0.0859143      total: 11.5s  remaining: 37.9s
232: learn: 0.0857114      total: 11.6s  remaining: 38.1s
233: learn: 0.0855080      total: 11.6s  remaining: 38s
234: learn: 0.0854303      total: 11.6s  remaining: 37.9s
235: learn: 0.0852821      total: 11.7s  remaining: 38s
236: learn: 0.0850816      total: 11.8s  remaining: 38s
237: learn: 0.0850340      total: 11.8s  remaining: 37.9s
238: learn: 0.0849967      total: 11.9s  remaining: 37.8s
239: learn: 0.0848846      total: 11.9s  remaining: 37.6s
240: learn: 0.0847836      total: 12s    remaining: 37.9s
241: learn: 0.0845387      total: 12.3s  remaining: 38.5s
242: learn: 0.0843494      total: 12.3s  remaining: 38.5s
243: learn: 0.0842917      total: 12.5s  remaining: 38.6s
244: learn: 0.0840366      total: 12.5s  remaining: 38.5s
245: learn: 0.0838792      total: 12.5s  remaining: 38.4s
246: learn: 0.0838036      total: 12.6s  remaining: 38.3s
247: learn: 0.0836938      total: 12.6s  remaining: 38.2s
248: learn: 0.0835760      total: 12.7s  remaining: 38.3s
249: learn: 0.0834250      total: 12.7s  remaining: 38.1s

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250: learn: 0.0831309    total: 12.7s  remaining: 37.9s
251: learn: 0.0830659    total: 12.8s  remaining: 37.9s
252: learn: 0.0828932    total: 12.8s  remaining: 37.9s
253: learn: 0.0828592    total: 13s    remaining: 38s
254: learn: 0.0828119    total: 13s    remaining: 38s
255: learn: 0.0825319    total: 13.1s  remaining: 37.9s
256: learn: 0.0824987    total: 13.1s  remaining: 37.8s
257: learn: 0.0822266    total: 13.1s  remaining: 37.8s
258: learn: 0.0820045    total: 13.3s  remaining: 37.9s
259: learn: 0.0818664    total: 13.3s  remaining: 37.8s
260: learn: 0.0818320    total: 13.3s  remaining: 37.7s
261: learn: 0.0817279    total: 13.4s  remaining: 37.8s
262: learn: 0.0815329    total: 13.5s  remaining: 37.9s
263: learn: 0.0814058    total: 13.6s  remaining: 37.9s
264: learn: 0.0812368    total: 13.7s  remaining: 37.9s
265: learn: 0.0811716    total: 13.7s  remaining: 37.9s
266: learn: 0.0811171    total: 13.8s  remaining: 37.8s
267: learn: 0.0810286    total: 13.8s  remaining: 37.8s
268: learn: 0.0809592    total: 13.9s  remaining: 37.7s
269: learn: 0.0808350    total: 13.9s  remaining: 37.5s
270: learn: 0.0806697    total: 13.9s  remaining: 37.4s
271: learn: 0.0805752    total: 13.9s  remaining: 37.3s
272: learn: 0.0803587    total: 14s    remaining: 37.3s
273: learn: 0.0801644    total: 14s    remaining: 37.1s
274: learn: 0.0800278    total: 14.1s  remaining: 37.1s
275: learn: 0.0798213    total: 14.2s  remaining: 37.2s
276: learn: 0.0796232    total: 14.3s  remaining: 37.3s
277: learn: 0.0794405    total: 14.4s  remaining: 37.4s
278: learn: 0.0793928    total: 14.5s  remaining: 37.4s
279: learn: 0.0792044    total: 14.5s  remaining: 37.3s
280: learn: 0.0790276    total: 14.5s  remaining: 37.2s
281: learn: 0.0789973    total: 14.6s  remaining: 37.1s
282: learn: 0.0788459    total: 14.6s  remaining: 37s
283: learn: 0.0786639    total: 14.7s  remaining: 37s
284: learn: 0.0785171    total: 14.7s  remaining: 37s
285: learn: 0.0783333    total: 14.9s  remaining: 37.1s
286: learn: 0.0782309    total: 14.9s  remaining: 37.1s
287: learn: 0.0780745    total: 15.1s  remaining: 37.3s
288: learn: 0.0779526    total: 15.2s  remaining: 37.4s
289: learn: 0.0778274    total: 15.2s  remaining: 37.2s
290: learn: 0.0775723    total: 15.3s  remaining: 37.3s
291: learn: 0.0774441    total: 15.3s  remaining: 37.2s
292: learn: 0.0773893    total: 15.3s  remaining: 37s
293: learn: 0.0772230    total: 15.3s  remaining: 36.8s
294: learn: 0.0770502    total: 15.3s  remaining: 36.7s
295: learn: 0.0770295    total: 15.4s  remaining: 36.6s
296: learn: 0.0769188    total: 15.4s  remaining: 36.5s
297: learn: 0.0767635    total: 15.4s  remaining: 36.4s
298: learn: 0.0766462    total: 15.5s  remaining: 36.3s
299: learn: 0.0764660    total: 15.5s  remaining: 36.1s
300: learn: 0.0763068    total: 15.6s  remaining: 36.2s
301: learn: 0.0761228    total: 15.6s  remaining: 36s
302: learn: 0.0759696    total: 15.6s  remaining: 35.9s
303: learn: 0.0758221    total: 15.7s  remaining: 35.9s
304: learn: 0.0756807    total: 15.8s  remaining: 36.1s
305: learn: 0.0754134    total: 16.1s  remaining: 36.6s
306: learn: 0.0752986    total: 16.1s  remaining: 36.4s
307: learn: 0.0751264    total: 16.2s  remaining: 36.4s
308: learn: 0.0749755    total: 16.2s  remaining: 36.3s
309: learn: 0.0748965    total: 16.4s  remaining: 36.5s
310: learn: 0.0747884    total: 16.5s  remaining: 36.5s
311: learn: 0.0746494    total: 16.5s  remaining: 36.4s
312: learn: 0.0745480    total: 16.7s  remaining: 36.6s
313: learn: 0.0743952    total: 16.7s  remaining: 36.5s

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314:	learn: 0.0742273	total: 16.8s	remaining: 36.5s
315:	learn: 0.0740526	total: 16.8s	remaining: 36.5s
316:	learn: 0.0739291	total: 16.9s	remaining: 36.4s
317:	learn: 0.0737901	total: 16.9s	remaining: 36.3s
318:	learn: 0.0736486	total: 17s	remaining: 36.3s
319:	learn: 0.0735549	total: 17s	remaining: 36.1s
320:	learn: 0.0734792	total: 17s	remaining: 36.1s
321:	learn: 0.0733480	total: 17.1s	remaining: 36s
322:	learn: 0.0732184	total: 17.2s	remaining: 36s
323:	learn: 0.0730966	total: 17.2s	remaining: 35.9s
324:	learn: 0.0730046	total: 17.3s	remaining: 36s
325:	learn: 0.0728170	total: 17.4s	remaining: 36s
326:	learn: 0.0726769	total: 17.5s	remaining: 36.1s
327:	learn: 0.0725083	total: 17.6s	remaining: 36.1s
328:	learn: 0.0723828	total: 17.8s	remaining: 36.3s
329:	learn: 0.0722738	total: 17.9s	remaining: 36.3s
330:	learn: 0.0721390	total: 17.9s	remaining: 36.2s
331:	learn: 0.0719283	total: 17.9s	remaining: 36.1s
332:	learn: 0.0717821	total: 18.2s	remaining: 36.5s
333:	learn: 0.0716017	total: 18.3s	remaining: 36.5s
334:	learn: 0.0714887	total: 18.3s	remaining: 36.3s
335:	learn: 0.0712535	total: 18.4s	remaining: 36.4s
336:	learn: 0.0710764	total: 18.5s	remaining: 36.4s
337:	learn: 0.0709341	total: 18.5s	remaining: 36.3s
338:	learn: 0.0708265	total: 18.6s	remaining: 36.2s
339:	learn: 0.0707329	total: 18.7s	remaining: 36.3s
340:	learn: 0.0706034	total: 18.7s	remaining: 36.2s
341:	learn: 0.0704808	total: 18.8s	remaining: 36.2s
342:	learn: 0.0702984	total: 18.9s	remaining: 36.1s
343:	learn: 0.0701864	total: 18.9s	remaining: 36s
344:	learn: 0.0701032	total: 18.9s	remaining: 36s
345:	learn: 0.0699484	total: 19s	remaining: 36s
346:	learn: 0.0698415	total: 19.1s	remaining: 36s
347:	learn: 0.0697278	total: 19.2s	remaining: 35.9s
348:	learn: 0.0695943	total: 19.2s	remaining: 35.8s
349:	learn: 0.0694774	total: 19.2s	remaining: 35.7s
350:	learn: 0.0694093	total: 19.3s	remaining: 35.6s
351:	learn: 0.0692854	total: 19.3s	remaining: 35.5s
352:	learn: 0.0691353	total: 19.3s	remaining: 35.4s
353:	learn: 0.0689938	total: 19.3s	remaining: 35.2s
354:	learn: 0.0688819	total: 19.3s	remaining: 35.1s
355:	learn: 0.0687980	total: 19.3s	remaining: 35s
356:	learn: 0.0687325	total: 19.4s	remaining: 34.9s
357:	learn: 0.0685637	total: 19.4s	remaining: 34.8s
358:	learn: 0.0685484	total: 19.4s	remaining: 34.7s
359:	learn: 0.0684703	total: 19.4s	remaining: 34.5s
360:	learn: 0.0682804	total: 19.6s	remaining: 34.7s
361:	learn: 0.0681429	total: 19.6s	remaining: 34.6s
362:	learn: 0.0680244	total: 19.7s	remaining: 34.5s
363:	learn: 0.0679482	total: 19.7s	remaining: 34.4s
364:	learn: 0.0677975	total: 19.8s	remaining: 34.4s
365:	learn: 0.0676649	total: 19.8s	remaining: 34.3s
366:	learn: 0.0676002	total: 19.9s	remaining: 34.3s
367:	learn: 0.0675174	total: 19.9s	remaining: 34.2s
368:	learn: 0.0674385	total: 19.9s	remaining: 34.1s
369:	learn: 0.0673446	total: 20s	remaining: 34s
370:	learn: 0.0672549	total: 20s	remaining: 34s
371:	learn: 0.0671498	total: 20.1s	remaining: 33.9s
372:	learn: 0.0670569	total: 20.1s	remaining: 33.8s

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(
```

```

215: learn: 0.0931884    total: 12.6s  remaining: 45.6s
216: learn: 0.0930085    total: 12.6s  remaining: 45.4s
217: learn: 0.0928850    total: 12.6s  remaining: 45.3s
218: learn: 0.0927564    total: 12.6s  remaining: 45s
219: learn: 0.0925782    total: 12.7s  remaining: 45.1s
220: learn: 0.0923535    total: 12.8s  remaining: 45s
221: learn: 0.0922499    total: 12.9s  remaining: 45.2s
222: learn: 0.0920936    total: 13s    remaining: 45.3s
223: learn: 0.0920328    total: 13.1s  remaining: 45.3s
224: learn: 0.0919312    total: 13.1s  remaining: 45.2s
225: learn: 0.0918038    total: 13.2s  remaining: 45.2s
226: learn: 0.0916842    total: 13.3s  remaining: 45.2s
227: learn: 0.0916107    total: 13.3s  remaining: 45.1s
228: learn: 0.0915107    total: 13.4s  remaining: 45s
229: learn: 0.0914288    total: 13.4s  remaining: 45s
230: learn: 0.0913512    total: 13.5s  remaining: 44.8s
231: learn: 0.0912914    total: 13.5s  remaining: 44.7s
232: learn: 0.0911502    total: 13.6s  remaining: 44.7s
233: learn: 0.0909456    total: 13.6s  remaining: 44.5s
234: learn: 0.0907867    total: 13.7s  remaining: 44.5s
235: learn: 0.0905859    total: 13.7s  remaining: 44.4s
236: learn: 0.0904987    total: 13.7s  remaining: 44.2s
237: learn: 0.0904081    total: 13.9s  remaining: 44.4s
238: learn: 0.0902903    total: 13.9s  remaining: 44.2s
239: learn: 0.0900681    total: 13.9s  remaining: 43.9s
240: learn: 0.0899621    total: 14s    remaining: 44s
241: learn: 0.0898593    total: 14s    remaining: 43.8s
242: learn: 0.0897143    total: 14s    remaining: 43.6s
243: learn: 0.0895957    total: 14.1s  remaining: 43.6s
244: learn: 0.0893384    total: 14.1s  remaining: 43.4s
245: learn: 0.0891375    total: 14.1s  remaining: 43.2s
246: learn: 0.0890581    total: 14.2s  remaining: 43.3s
247: learn: 0.0888266    total: 14.3s  remaining: 43.4s
248: learn: 0.0887312    total: 14.3s  remaining: 43.2s
249: learn: 0.0886633    total: 14.4s  remaining: 43.1s
250: learn: 0.0884636    total: 14.4s  remaining: 43s
251: learn: 0.0882697    total: 14.5s  remaining: 42.9s
252: learn: 0.0880409    total: 14.5s  remaining: 42.8s
253: learn: 0.0878595    total: 14.5s  remaining: 42.6s
254: learn: 0.0877231    total: 14.6s  remaining: 42.5s
255: learn: 0.0876132    total: 14.6s  remaining: 42.5s
256: learn: 0.0874253    total: 14.6s  remaining: 42.3s
257: learn: 0.0872858    total: 14.7s  remaining: 42.4s
258: learn: 0.0871390    total: 14.8s  remaining: 42.3s
259: learn: 0.0870507    total: 14.8s  remaining: 42.2s
260: learn: 0.0868872    total: 14.8s  remaining: 42s
261: learn: 0.0867621    total: 14.9s  remaining: 42s
262: learn: 0.0865256    total: 14.9s  remaining: 41.8s
263: learn: 0.0864467    total: 15s    remaining: 41.8s
264: learn: 0.0862232    total: 15s    remaining: 41.7s
265: learn: 0.0860996    total: 15.1s  remaining: 41.7s
266: learn: 0.0858798    total: 15.2s  remaining: 41.6s
267: learn: 0.0857786    total: 15.2s  remaining: 41.5s
268: learn: 0.0856555    total: 15.2s  remaining: 41.3s
269: learn: 0.0854495    total: 15.3s  remaining: 41.3s
270: learn: 0.0852705    total: 15.3s  remaining: 41.2s
271: learn: 0.0851041    total: 15.4s  remaining: 41.1s
272: learn: 0.0849569    total: 15.4s  remaining: 41s
273: learn: 0.0848671    total: 15.4s  remaining: 40.9s
274: learn: 0.0846136    total: 15.5s  remaining: 40.8s
275: learn: 0.0844170    total: 15.5s  remaining: 40.7s
276: learn: 0.0843139    total: 15.6s  remaining: 40.8s
277: learn: 0.0840550    total: 15.7s  remaining: 40.8s
278: learn: 0.0839256    total: 15.7s  remaining: 40.7s

```

```

279: learn: 0.0837529    total: 15.8s  remaining: 40.5s
280: learn: 0.0835484    total: 16.3s  remaining: 41.6s
281: learn: 0.0833590    total: 16.3s  remaining: 41.6s
282: learn: 0.0831438    total: 16.4s  remaining: 41.6s
283: learn: 0.0829813    total: 16.5s  remaining: 41.6s
284: learn: 0.0828026    total: 16.6s  remaining: 41.7s
285: learn: 0.0826930    total: 16.7s  remaining: 41.8s
286: learn: 0.0825068    total: 16.7s  remaining: 41.6s
287: learn: 0.0822915    total: 16.8s  remaining: 41.5s
288: learn: 0.0821251    total: 16.9s  remaining: 41.5s
289: learn: 0.0819760    total: 17s    remaining: 41.6s
290: learn: 0.0818651    total: 17s    remaining: 41.5s
291: learn: 0.0816829    total: 17.2s  remaining: 41.7s
292: learn: 0.0814935    total: 17.3s  remaining: 41.7s
293: learn: 0.0814243    total: 17.3s  remaining: 41.6s
294: learn: 0.0812597    total: 17.4s  remaining: 41.5s
295: learn: 0.0811594    total: 17.4s  remaining: 41.5s
296: learn: 0.0810417    total: 17.5s  remaining: 41.4s
297: learn: 0.0809661    total: 17.5s  remaining: 41.3s
298: learn: 0.0808438    total: 17.6s  remaining: 41.3s
299: learn: 0.0807341    total: 17.6s  remaining: 41.1s
300: learn: 0.0805516    total: 17.7s  remaining: 41.1s
301: learn: 0.0804071    total: 17.7s  remaining: 41s
302: learn: 0.0802580    total: 17.8s  remaining: 41s
303: learn: 0.0801493    total: 17.9s  remaining: 41s
304: learn: 0.0799564    total: 17.9s  remaining: 40.8s
305: learn: 0.0797638    total: 17.9s  remaining: 40.6s
306: learn: 0.0796916    total: 18s    remaining: 40.6s
307: learn: 0.0795212    total: 18s    remaining: 40.5s
308: learn: 0.0794721    total: 18.1s  remaining: 40.5s
309: learn: 0.0792699    total: 18.1s  remaining: 40.4s
310: learn: 0.0791495    total: 18.1s  remaining: 40.2s
311: learn: 0.0790151    total: 18.2s  remaining: 40s
312: learn: 0.0789523    total: 18.2s  remaining: 40s
313: learn: 0.0788546    total: 18.2s  remaining: 39.9s
314: learn: 0.0786968    total: 18.3s  remaining: 39.7s
315: learn: 0.0786067    total: 18.4s  remaining: 39.7s
316: learn: 0.0784817    total: 18.5s  remaining: 39.9s
317: learn: 0.0783797    total: 18.5s  remaining: 39.7s
318: learn: 0.0783215    total: 18.7s  remaining: 39.9s
319: learn: 0.0782245    total: 18.7s  remaining: 39.8s
320: learn: 0.0781300    total: 18.8s  remaining: 39.7s
321: learn: 0.0780116    total: 18.8s  remaining: 39.5s
322: learn: 0.0778709    total: 18.9s  remaining: 39.6s
323: learn: 0.0776908    total: 18.9s  remaining: 39.5s
324: learn: 0.0775534    total: 19s    remaining: 39.4s
325: learn: 0.0773829    total: 19s    remaining: 39.3s
326: learn: 0.0772701    total: 19.1s  remaining: 39.3s
327: learn: 0.0772019    total: 19.2s  remaining: 39.3s
328: learn: 0.0770572    total: 19.2s  remaining: 39.2s
329: learn: 0.0769044    total: 19.3s  remaining: 39.1s
330: learn: 0.0767784    total: 19.3s  remaining: 39s
331: learn: 0.0767112    total: 19.3s  remaining: 38.8s
332: learn: 0.0766566    total: 19.3s  remaining: 38.7s
333: learn: 0.0765643    total: 19.3s  remaining: 38.6s
334: learn: 0.0763405    total: 19.4s  remaining: 38.4s
335: learn: 0.0761273    total: 19.4s  remaining: 38.3s
336: learn: 0.0760357    total: 19.4s  remaining: 38.2s
337: learn: 0.0759205    total: 19.4s  remaining: 38s
338: learn: 0.0758006    total: 19.4s  remaining: 37.9s
339: learn: 0.0756322    total: 19.6s  remaining: 38s
340: learn: 0.0755594    total: 19.7s  remaining: 38s
341: learn: 0.0754564    total: 19.7s  remaining: 37.9s
342: learn: 0.0753409    total: 19.7s  remaining: 37.8s

```

```
343: learn: 0.0752379    total: 19.8s  remaining: 37.8s
344: learn: 0.0751811    total: 19.9s  remaining: 37.7s
345: learn: 0.0751197    total: 19.9s  remaining: 37.7s
346: learn: 0.0749502    total: 19.9s  remaining: 37.5s
347: learn: 0.0747585    total: 19.9s  remaining: 37.4s
348: learn: 0.0746326    total: 20s    remaining: 37.2s
349: learn: 0.0744518    total: 20s    remaining: 37.1s
350: learn: 0.0743178    total: 20s    remaining: 37.1s
351: learn: 0.0742280    total: 20.1s  remaining: 37.1s
352: learn: 0.0740565    total: 20.2s  remaining: 37.1s
353: learn: 0.0739312    total: 20.2s  remaining: 36.9s
354: learn: 0.0738539    total: 20.3s  remaining: 36.9s
355: learn: 0.0736987    total: 20.3s  remaining: 36.7s
356: learn: 0.0736134    total: 20.3s  remaining: 36.6s
357: learn: 0.0734900    total: 20.4s  remaining: 36.5s
358: learn: 0.0733735    total: 20.4s  remaining: 36.4s
359: learn: 0.0732317    total: 20.4s  remaining: 36.4s
360: learn: 0.0730640    total: 20.5s  remaining: 36.3s
361: learn: 0.0729493    total: 20.6s  remaining: 36.2s
362: learn: 0.0728793    total: 20.6s  remaining: 36.1s
363: learn: 0.0727875    total: 20.6s  remaining: 36s
364: learn: 0.0726287    total: 20.6s  remaining: 35.9s
365: learn: 0.0725055    total: 20.7s  remaining: 35.8s
366: learn: 0.0723718    total: 20.7s  remaining: 35.6s
367: learn: 0.0722921    total: 20.7s  remaining: 35.6s
368: learn: 0.0722079    total: 20.8s  remaining: 35.5s
369: learn: 0.0721381    total: 20.8s  remaining: 35.4s
370: learn: 0.0720221    total: 20.8s  remaining: 35.3s
371: learn: 0.0719243    total: 20.9s  remaining: 35.2s
372: learn: 0.0718247    total: 20.9s  remaining: 35.2s
```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
```

```
    warnings.warn(
```

```
218: learn: 0.0899349      total: 12s      remaining: 42.8s
219: learn: 0.0896370      total: 12.1s     remaining: 42.8s
220: learn: 0.0894206      total: 12.2s     remaining: 42.9s
221: learn: 0.0893550      total: 12.3s     remaining: 43s
222: learn: 0.0892605      total: 12.3s     remaining: 42.9s
223: learn: 0.0890376      total: 12.3s     remaining: 42.7s
224: learn: 0.0889265      total: 12.4s     remaining: 42.7s
225: learn: 0.0886757      total: 12.4s     remaining: 42.5s
226: learn: 0.0885801      total: 12.4s     remaining: 42.3s
227: learn: 0.0884821      total: 12.5s     remaining: 42.2s
228: learn: 0.0884032      total: 12.5s     remaining: 42s
229: learn: 0.0881651      total: 12.5s     remaining: 41.8s
230: learn: 0.0880791      total: 12.6s     remaining: 41.8s
231: learn: 0.0878347      total: 12.6s     remaining: 41.6s
232: learn: 0.0876805      total: 12.7s     remaining: 41.7s
233: learn: 0.0874842      total: 12.7s     remaining: 41.5s
234: learn: 0.0872581      total: 12.8s     remaining: 41.5s
235: learn: 0.0870167      total: 12.8s     remaining: 41.4s
236: learn: 0.0868663      total: 12.9s     remaining: 41.5s
237: learn: 0.0867722      total: 13s       remaining: 41.6s
238: learn: 0.0864945      total: 13s       remaining: 41.4s
239: learn: 0.0863473      total: 13.1s     remaining: 41.6s
240: learn: 0.0861663      total: 13.2s     remaining: 41.6s
241: learn: 0.0859049      total: 13.2s     remaining: 41.5s
242: learn: 0.0856317      total: 13.3s     remaining: 41.5s
243: learn: 0.0853748      total: 13.3s     remaining: 41.3s
244: learn: 0.0853073      total: 13.4s     remaining: 41.4s
245: learn: 0.0850739      total: 13.5s     remaining: 41.3s
246: learn: 0.0848721      total: 13.5s     remaining: 41.3s
247: learn: 0.0846689      total: 13.6s     remaining: 41.2s
248: learn: 0.0844612      total: 13.7s     remaining: 41.2s
249: learn: 0.0842442      total: 13.7s     remaining: 41.1s
250: learn: 0.0841795      total: 13.8s     remaining: 41.2s
251: learn: 0.0840164      total: 13.8s     remaining: 41s
252: learn: 0.0838785      total: 13.9s     remaining: 41s
253: learn: 0.0838245      total: 13.9s     remaining: 40.8s
254: learn: 0.0837579      total: 14s       remaining: 40.9s
255: learn: 0.0836717      total: 14s       remaining: 40.7s
256: learn: 0.0835041      total: 14.1s     remaining: 40.7s
257: learn: 0.0834449      total: 14.1s     remaining: 40.5s
258: learn: 0.0834102      total: 14.1s     remaining: 40.5s
259: learn: 0.0832458      total: 14.2s     remaining: 40.4s
260: learn: 0.0831654      total: 14.2s     remaining: 40.3s
261: learn: 0.0830046      total: 14.3s     remaining: 40.2s
262: learn: 0.0828153      total: 14.4s     remaining: 40.2s
263: learn: 0.0826608      total: 14.4s     remaining: 40s
264: learn: 0.0824675      total: 14.4s     remaining: 40s
265: learn: 0.0823611      total: 14.5s     remaining: 39.9s
266: learn: 0.0821634      total: 14.5s     remaining: 39.8s
267: learn: 0.0820067      total: 14.5s     remaining: 39.7s
268: learn: 0.0818627      total: 14.6s     remaining: 39.7s
269: learn: 0.0817489      total: 14.6s     remaining: 39.6s
270: learn: 0.0815617      total: 14.7s     remaining: 39.6s
271: learn: 0.0812428      total: 14.7s     remaining: 39.5s
272: learn: 0.0811267      total: 14.8s     remaining: 39.3s
273: learn: 0.0808554      total: 14.8s     remaining: 39.2s
274: learn: 0.0808149      total: 14.8s     remaining: 39.1s
275: learn: 0.0806784      total: 14.9s     remaining: 39s
276: learn: 0.0804139      total: 14.9s     remaining: 38.8s
277: learn: 0.0802023      total: 14.9s     remaining: 38.8s
278: learn: 0.0801577      total: 15.1s     remaining: 39s
279: learn: 0.0800670      total: 15.1s     remaining: 38.8s
280: learn: 0.0799450      total: 15.2s     remaining: 39s
281: learn: 0.0796702      total: 15.3s     remaining: 38.9s
```

```
282: learn: 0.0793592      total: 15.3s  remaining: 38.7s
283: learn: 0.0792142      total: 15.4s  remaining: 38.8s
284: learn: 0.0791200      total: 15.4s  remaining: 38.7s
285: learn: 0.0790644      total: 15.5s  remaining: 38.7s
286: learn: 0.0789711      total: 15.5s  remaining: 38.6s
287: learn: 0.0787983      total: 15.6s  remaining: 38.6s
288: learn: 0.0787207      total: 15.6s  remaining: 38.5s
289: learn: 0.0786425      total: 15.7s  remaining: 38.5s
290: learn: 0.0784468      total: 15.8s  remaining: 38.5s
291: learn: 0.0782779      total: 15.9s  remaining: 38.4s
292: learn: 0.0781146      total: 15.9s  remaining: 38.3s
293: learn: 0.0779476      total: 16s    remaining: 38.5s
294: learn: 0.0779029      total: 16.1s  remaining: 38.4s
295: learn: 0.0778447      total: 16.2s  remaining: 38.5s
296: learn: 0.0777588      total: 16.3s  remaining: 38.5s
297: learn: 0.0775827      total: 16.3s  remaining: 38.3s
298: learn: 0.0774769      total: 16.3s  remaining: 38.3s
299: learn: 0.0772412      total: 16.4s  remaining: 38.2s
300: learn: 0.0770664      total: 16.5s  remaining: 38.3s
301: learn: 0.0768570      total: 16.5s  remaining: 38.1s
302: learn: 0.0766884      total: 16.6s  remaining: 38.1s
303: learn: 0.0765727      total: 16.6s  remaining: 38.1s
304: learn: 0.0764297      total: 16.7s  remaining: 38s
305: learn: 0.0762223      total: 16.7s  remaining: 37.9s
306: learn: 0.0761616      total: 16.7s  remaining: 37.8s
307: learn: 0.0760196      total: 16.8s  remaining: 37.7s
308: learn: 0.0758723      total: 16.8s  remaining: 37.7s
309: learn: 0.0758331      total: 16.9s  remaining: 37.6s
310: learn: 0.0757185      total: 17s    remaining: 37.6s
311: learn: 0.0755270      total: 17s    remaining: 37.6s
312: learn: 0.0753774      total: 17.1s  remaining: 37.6s
313: learn: 0.0752371      total: 17.2s  remaining: 37.5s
314: learn: 0.0751418      total: 17.2s  remaining: 37.4s
315: learn: 0.0750095      total: 17.3s  remaining: 37.4s
316: learn: 0.0748859      total: 17.3s  remaining: 37.3s
317: learn: 0.0748122      total: 17.4s  remaining: 37.3s
318: learn: 0.0746835      total: 17.5s  remaining: 37.4s
319: learn: 0.0745454      total: 17.5s  remaining: 37.3s
320: learn: 0.0744205      total: 17.6s  remaining: 37.2s
321: learn: 0.0742400      total: 17.6s  remaining: 37s
322: learn: 0.0741113      total: 17.7s  remaining: 37.1s
323: learn: 0.0739466      total: 18.1s  remaining: 37.9s
324: learn: 0.0738323      total: 18.2s  remaining: 37.8s
325: learn: 0.0737882      total: 18.2s  remaining: 37.7s
326: learn: 0.0736811      total: 18.3s  remaining: 37.6s
327: learn: 0.0735637      total: 18.4s  remaining: 37.7s
328: learn: 0.0734258      total: 18.5s  remaining: 37.8s
329: learn: 0.0732987      total: 18.6s  remaining: 37.7s
330: learn: 0.0731889      total: 18.6s  remaining: 37.6s
331: learn: 0.0730312      total: 18.6s  remaining: 37.5s
332: learn: 0.0729184      total: 18.7s  remaining: 37.4s
333: learn: 0.0727584      total: 18.7s  remaining: 37.3s
334: learn: 0.0725584      total: 18.8s  remaining: 37.3s
335: learn: 0.0723334      total: 18.9s  remaining: 37.3s
336: learn: 0.0722807      total: 18.9s  remaining: 37.3s
337: learn: 0.0721183      total: 19s    remaining: 37.3s
338: learn: 0.0720949      total: 19.1s  remaining: 37.2s
339: learn: 0.0720442      total: 19.2s  remaining: 37.2s
340: learn: 0.0719748      total: 19.2s  remaining: 37s
341: learn: 0.0718277      total: 19.3s  remaining: 37.1s
342: learn: 0.0716488      total: 19.3s  remaining: 37s
343: learn: 0.0715019      total: 19.5s  remaining: 37.1s
344: learn: 0.0714579      total: 19.8s  remaining: 37.5s
345: learn: 0.0713797      total: 19.8s  remaining: 37.4s
```

```
346: learn: 0.0712429    total: 19.8s  remaining: 37.2s
347: learn: 0.0711003    total: 19.9s  remaining: 37.2s
348: learn: 0.0708942    total: 19.9s  remaining: 37.1s
349: learn: 0.0708062    total: 19.9s  remaining: 37s
350: learn: 0.0706395    total: 20s    remaining: 36.9s
351: learn: 0.0705844    total: 20.1s  remaining: 37s
352: learn: 0.0704387    total: 20.2s  remaining: 37s
353: learn: 0.0702774    total: 20.2s  remaining: 36.9s
354: learn: 0.0700905    total: 20.2s  remaining: 36.7s
355: learn: 0.0699543    total: 20.3s  remaining: 36.6s
356: learn: 0.0699059    total: 20.3s  remaining: 36.5s
357: learn: 0.0698463    total: 20.3s  remaining: 36.5s
358: learn: 0.0696867    total: 20.4s  remaining: 36.4s
359: learn: 0.0695100    total: 20.4s  remaining: 36.3s
360: learn: 0.0693167    total: 20.5s  remaining: 36.2s
361: learn: 0.0692707    total: 20.5s  remaining: 36.1s
362: learn: 0.0691481    total: 20.5s  remaining: 36s
363: learn: 0.0690209    total: 20.6s  remaining: 35.9s
364: learn: 0.0688315    total: 20.6s  remaining: 35.8s
365: learn: 0.0686869    total: 20.6s  remaining: 35.7s
366: learn: 0.0686731    total: 20.6s  remaining: 35.6s
367: learn: 0.0685496    total: 20.7s  remaining: 35.5s
368: learn: 0.0684261    total: 20.7s  remaining: 35.4s
369: learn: 0.0682445    total: 20.9s  remaining: 35.5s
370: learn: 0.0681393    total: 20.9s  remaining: 35.5s
371: learn: 0.0680449    total: 20.9s  remaining: 35.4s
372: learn: 0.0678699    total: 21s    remaining: 35.4s
373: learn: 0.0678516    total: 21.1s  remaining: 35.3s
374: learn: 0.0676984    total: 21.2s  remaining: 35.3s
375: learn: 0.0675768    total: 21.2s  remaining: 35.2s
```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
```

```
    warnings.warn(
```

```

215: learn: 0.0888437    total: 12.6s  remaining: 45.7s
216: learn: 0.0887782    total: 12.6s  remaining: 45.6s
217: learn: 0.0884411    total: 12.7s  remaining: 45.5s
218: learn: 0.0883598    total: 12.7s  remaining: 45.3s
219: learn: 0.0882742    total: 12.7s  remaining: 45.2s
220: learn: 0.0880007    total: 12.9s  remaining: 45.3s
221: learn: 0.0879048    total: 13s    remaining: 45.4s
222: learn: 0.0878347    total: 13s    remaining: 45.3s
223: learn: 0.0877514    total: 13s    remaining: 45.1s
224: learn: 0.0875698    total: 13s    remaining: 44.8s
225: learn: 0.0874899    total: 13.2s  remaining: 45.1s
226: learn: 0.0873040    total: 13.2s  remaining: 45s
227: learn: 0.0869546    total: 13.3s  remaining: 45s
228: learn: 0.0868350    total: 13.4s  remaining: 45s
229: learn: 0.0867349    total: 13.5s  remaining: 45.1s
230: learn: 0.0864980    total: 13.6s  remaining: 45.1s
231: learn: 0.0864267    total: 13.6s  remaining: 45s
232: learn: 0.0862881    total: 13.7s  remaining: 44.9s
233: learn: 0.0862084    total: 13.7s  remaining: 44.7s
234: learn: 0.0860060    total: 13.7s  remaining: 44.6s
235: learn: 0.0859093    total: 13.7s  remaining: 44.5s
236: learn: 0.0856896    total: 13.8s  remaining: 44.3s
237: learn: 0.0854844    total: 13.8s  remaining: 44.3s
238: learn: 0.0854146    total: 13.9s  remaining: 44.2s
239: learn: 0.0851096    total: 13.9s  remaining: 44s
240: learn: 0.0849318    total: 13.9s  remaining: 43.8s
241: learn: 0.0848036    total: 13.9s  remaining: 43.6s
242: learn: 0.0846786    total: 14s    remaining: 43.6s
243: learn: 0.0846228    total: 14.2s  remaining: 43.9s
244: learn: 0.0844900    total: 14.2s  remaining: 43.7s
245: learn: 0.0843749    total: 14.3s  remaining: 43.7s
246: learn: 0.0841777    total: 14.3s  remaining: 43.6s
247: learn: 0.0840726    total: 14.4s  remaining: 43.6s
248: learn: 0.0839765    total: 14.4s  remaining: 43.5s
249: learn: 0.0839271    total: 14.5s  remaining: 43.5s
250: learn: 0.0837871    total: 14.6s  remaining: 43.4s
251: learn: 0.0835581    total: 14.7s  remaining: 43.6s
252: learn: 0.0834585    total: 14.7s  remaining: 43.5s
253: learn: 0.0833207    total: 14.8s  remaining: 43.3s
254: learn: 0.0831018    total: 14.8s  remaining: 43.2s
255: learn: 0.0829441    total: 14.8s  remaining: 43s
256: learn: 0.0828725    total: 15s    remaining: 43.2s
257: learn: 0.0827662    total: 15.1s  remaining: 43.3s
258: learn: 0.0825663    total: 15.1s  remaining: 43.2s
259: learn: 0.0824684    total: 15.4s  remaining: 43.7s
260: learn: 0.0824088    total: 15.4s  remaining: 43.6s
261: learn: 0.0823179    total: 15.4s  remaining: 43.5s
262: learn: 0.0822523    total: 15.5s  remaining: 43.4s
263: learn: 0.0821338    total: 15.5s  remaining: 43.3s
264: learn: 0.0820704    total: 15.6s  remaining: 43.3s
265: learn: 0.0818197    total: 15.8s  remaining: 43.5s
266: learn: 0.0817181    total: 15.8s  remaining: 43.3s
267: learn: 0.0816454    total: 15.8s  remaining: 43.1s
268: learn: 0.0815054    total: 15.8s  remaining: 42.9s
269: learn: 0.0813272    total: 15.9s  remaining: 42.9s
270: learn: 0.0811740    total: 16s    remaining: 42.9s
271: learn: 0.0810553    total: 16s    remaining: 42.7s
272: learn: 0.0809323    total: 16.5s  remaining: 44s
273: learn: 0.0807803    total: 16.6s  remaining: 43.9s
274: learn: 0.0806367    total: 16.6s  remaining: 43.9s
275: learn: 0.0804913    total: 16.8s  remaining: 44s
276: learn: 0.0803841    total: 16.8s  remaining: 43.9s
277: learn: 0.0802466    total: 16.9s  remaining: 43.8s
278: learn: 0.0800997    total: 17s    remaining: 44s

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279: learn: 0.0799418    total: 17.1s  remaining: 44.1s
280: learn: 0.0797862    total: 17.2s  remaining: 44.1s
281: learn: 0.0795196    total: 17.3s  remaining: 44s
282: learn: 0.0794082    total: 17.4s  remaining: 44.2s
283: learn: 0.0793800    total: 17.5s  remaining: 44.2s
284: learn: 0.0792107    total: 17.6s  remaining: 44.3s
285: learn: 0.0790179    total: 17.7s  remaining: 44.1s
286: learn: 0.0789668    total: 17.7s  remaining: 44s
287: learn: 0.0788340    total: 17.8s  remaining: 44.1s
288: learn: 0.0787015    total: 17.9s  remaining: 44s
289: learn: 0.0785280    total: 18s    remaining: 44s
290: learn: 0.0783846    total: 18s    remaining: 43.8s
291: learn: 0.0782920    total: 18s    remaining: 43.7s
292: learn: 0.0780811    total: 18.2s  remaining: 44s
293: learn: 0.0779278    total: 18.4s  remaining: 44.1s
294: learn: 0.0777946    total: 18.5s  remaining: 44.2s
295: learn: 0.0776140    total: 18.5s  remaining: 44.1s
296: learn: 0.0775778    total: 18.7s  remaining: 44.2s
297: learn: 0.0774802    total: 18.8s  remaining: 44.2s
298: learn: 0.0773813    total: 18.9s  remaining: 44.2s
299: learn: 0.0772527    total: 18.9s  remaining: 44.2s
300: learn: 0.0770999    total: 19s    remaining: 44.2s
301: learn: 0.0769047    total: 19.1s  remaining: 44.1s
302: learn: 0.0767897    total: 19.1s  remaining: 43.9s
303: learn: 0.0766189    total: 19.1s  remaining: 43.7s
304: learn: 0.0765963    total: 19.2s  remaining: 43.8s
305: learn: 0.0764510    total: 19.3s  remaining: 43.7s
306: learn: 0.0762770    total: 19.5s  remaining: 43.9s
307: learn: 0.0761208    total: 19.5s  remaining: 43.8s
308: learn: 0.0759887    total: 19.6s  remaining: 43.9s
309: learn: 0.0758381    total: 19.7s  remaining: 43.9s
310: learn: 0.0757364    total: 19.8s  remaining: 43.8s
311: learn: 0.0756868    total: 19.8s  remaining: 43.7s
312: learn: 0.0755768    total: 19.9s  remaining: 43.6s
313: learn: 0.0754229    total: 19.9s  remaining: 43.6s
314: learn: 0.0752798    total: 20s    remaining: 43.5s
315: learn: 0.0751231    total: 20s    remaining: 43.3s
316: learn: 0.0749896    total: 20.1s  remaining: 43.3s
317: learn: 0.0749082    total: 20.1s  remaining: 43.2s
318: learn: 0.0748504    total: 20.2s  remaining: 43.2s
319: learn: 0.0747282    total: 20.3s  remaining: 43.1s
320: learn: 0.0745782    total: 20.3s  remaining: 43s
321: learn: 0.0744025    total: 20.4s  remaining: 43s
322: learn: 0.0743413    total: 20.4s  remaining: 42.8s
323: learn: 0.0741998    total: 20.5s  remaining: 42.7s
324: learn: 0.0741436    total: 20.5s  remaining: 42.6s
325: learn: 0.0740268    total: 20.6s  remaining: 42.5s
326: learn: 0.0737895    total: 20.6s  remaining: 42.4s
327: learn: 0.0736450    total: 20.7s  remaining: 42.3s
328: learn: 0.0734935    total: 20.7s  remaining: 42.2s
329: learn: 0.0733687    total: 20.7s  remaining: 42s
330: learn: 0.0732934    total: 20.7s  remaining: 41.9s
331: learn: 0.0731828    total: 20.7s  remaining: 41.7s
332: learn: 0.0730487    total: 20.8s  remaining: 41.6s
333: learn: 0.0729003    total: 20.8s  remaining: 41.4s
334: learn: 0.0728775    total: 20.8s  remaining: 41.3s
335: learn: 0.0727826    total: 20.8s  remaining: 41.2s
336: learn: 0.0727261    total: 20.8s  remaining: 41s
337: learn: 0.0725816    total: 20.9s  remaining: 40.9s
338: learn: 0.0724237    total: 21s    remaining: 40.9s
339: learn: 0.0723755    total: 21s    remaining: 40.8s
340: learn: 0.0722737    total: 21s    remaining: 40.6s
341: learn: 0.0721006    total: 21.1s  remaining: 40.6s
342: learn: 0.0719808    total: 21.2s  remaining: 40.6s

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343: learn: 0.0718360    total: 21.3s  remaining: 40.6s
344: learn: 0.0716987    total: 21.3s  remaining: 40.5s
345: learn: 0.0715933    total: 21.4s  remaining: 40.4s
346: learn: 0.0713831    total: 21.4s  remaining: 40.3s
347: learn: 0.0712566    total: 21.4s  remaining: 40.1s
348: learn: 0.0712389    total: 21.5s  remaining: 40.1s
349: learn: 0.0711265    total: 21.5s  remaining: 40s
350: learn: 0.0710800    total: 21.6s  remaining: 39.9s
351: learn: 0.0709151    total: 21.6s  remaining: 39.7s
352: learn: 0.0708222    total: 21.6s  remaining: 39.6s
353: learn: 0.0707718    total: 21.7s  remaining: 39.6s
354: learn: 0.0706373    total: 21.7s  remaining: 39.5s
355: learn: 0.0705286    total: 21.8s  remaining: 39.4s
356: learn: 0.0704189    total: 21.8s  remaining: 39.3s
357: learn: 0.0702353    total: 21.9s  remaining: 39.3s
358: learn: 0.0700538    total: 21.9s  remaining: 39.2s
359: learn: 0.0699011    total: 21.9s  remaining: 39s
360: learn: 0.0698632    total: 22s   remaining: 38.9s
361: learn: 0.0697226    total: 22s   remaining: 38.7s
362: learn: 0.0696721    total: 22s   remaining: 38.6s
363: learn: 0.0696231    total: 22s   remaining: 38.5s
364: learn: 0.0695794    total: 22s   remaining: 38.3s
365: learn: 0.0694223    total: 22.1s  remaining: 38.2s
366: learn: 0.0692228    total: 22.1s  remaining: 38.1s
367: learn: 0.0691814    total: 22.1s  remaining: 38s
368: learn: 0.0690359    total: 22.2s  remaining: 37.9s
369: learn: 0.0689497    total: 22.2s  remaining: 37.8s
370: learn: 0.0689093    total: 22.3s  remaining: 37.7s
371: learn: 0.0687565    total: 22.4s  remaining: 37.8s
372: learn: 0.0687173    total: 22.5s  remaining: 37.7s
373: learn: 0.0685883    total: 22.5s  remaining: 37.7s
159: learn: 0.1012468    total: 8.99s  remaining: 47.2s
160: learn: 0.1010424    total: 9.12s  remaining: 47.5s
161: learn: 0.1008372    total: 9.18s  remaining: 47.5s
162: learn: 0.1006444    total: 9.19s  remaining: 47.2s
163: learn: 0.1004345    total: 9.19s  remaining: 46.9s
164: learn: 0.1001391    total: 9.43s  remaining: 47.7s
165: learn: 0.0999207    total: 9.48s  remaining: 47.6s
166: learn: 0.0997049    total: 9.48s  remaining: 47.3s
167: learn: 0.0995660    total: 9.59s  remaining: 47.5s
168: learn: 0.0993036    total: 9.67s  remaining: 47.6s
169: learn: 0.0991336    total: 9.72s  remaining: 47.5s
170: learn: 0.0988819    total: 9.74s  remaining: 47.2s
171: learn: 0.0987318    total: 9.86s  remaining: 47.5s
172: learn: 0.0985287    total: 9.99s  remaining: 47.8s
173: learn: 0.0982404    total: 10s   remaining: 47.6s
174: learn: 0.0980546    total: 10.1s  remaining: 47.6s
175: learn: 0.0979572    total: 10.2s  remaining: 47.8s
176: learn: 0.0978039    total: 10.3s  remaining: 48s
177: learn: 0.0975544    total: 10.4s  remaining: 48s
178: learn: 0.0973751    total: 10.5s  remaining: 48s
179: learn: 0.0972136    total: 10.5s  remaining: 47.9s
180: learn: 0.0970386    total: 10.5s  remaining: 47.7s
181: learn: 0.0969306    total: 10.6s  remaining: 47.7s
182: learn: 0.0967142    total: 10.7s  remaining: 47.6s
183: learn: 0.0965300    total: 10.8s  remaining: 47.8s
184: learn: 0.0963767    total: 10.9s  remaining: 48s
185: learn: 0.0961894    total: 11s   remaining: 48s
186: learn: 0.0960256    total: 11s   remaining: 47.8s
187: learn: 0.0957345    total: 11s   remaining: 47.7s
188: learn: 0.0955337    total: 11.1s  remaining: 47.4s
189: learn: 0.0952786    total: 11.1s  remaining: 47.3s
190: learn: 0.0951778    total: 11.1s  remaining: 47.1s
191: learn: 0.0949720    total: 11.1s  remaining: 46.9s

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192: learn: 0.0946649    total: 11.2s  remaining: 46.9s
193: learn: 0.0944156    total: 11.3s  remaining: 46.9s
194: learn: 0.0941640    total: 11.4s  remaining: 47.2s
195: learn: 0.0940066    total: 11.5s  remaining: 47.2s
196: learn: 0.0938389    total: 11.7s  remaining: 47.6s
197: learn: 0.0936491    total: 11.7s  remaining: 47.4s
198: learn: 0.0935189    total: 11.8s  remaining: 47.5s
199: learn: 0.0933102    total: 11.9s  remaining: 47.5s
200: learn: 0.0931594    total: 12s    remaining: 47.8s
201: learn: 0.0930541    total: 12.1s  remaining: 47.7s
202: learn: 0.0929802    total: 12.1s  remaining: 47.5s
203: learn: 0.0928353    total: 12.2s  remaining: 47.8s
204: learn: 0.0926950    total: 12.3s  remaining: 47.6s
205: learn: 0.0925606    total: 12.3s  remaining: 47.5s
206: learn: 0.0924608    total: 12.4s  remaining: 47.4s
207: learn: 0.0923084    total: 12.4s  remaining: 47.3s
208: learn: 0.0921810    total: 12.5s  remaining: 47.3s
209: learn: 0.0920061    total: 12.5s  remaining: 47.1s
210: learn: 0.0918921    total: 12.6s  remaining: 47.2s
211: learn: 0.0917109    total: 12.7s  remaining: 47s
212: learn: 0.0915445    total: 12.7s  remaining: 46.9s
213: learn: 0.0913900    total: 12.8s  remaining: 47.2s
214: learn: 0.0911765    total: 13.2s  remaining: 48.1s
215: learn: 0.0909718    total: 13.2s  remaining: 47.9s
216: learn: 0.0909047    total: 13.3s  remaining: 48s
217: learn: 0.0908202    total: 13.3s  remaining: 47.8s
218: learn: 0.0907219    total: 13.4s  remaining: 47.6s
219: learn: 0.0905704    total: 13.4s  remaining: 47.4s
220: learn: 0.0903290    total: 13.4s  remaining: 47.2s
221: learn: 0.0901724    total: 13.5s  remaining: 47.2s
222: learn: 0.0901039    total: 13.6s  remaining: 47.3s
223: learn: 0.0899288    total: 13.6s  remaining: 47.2s
224: learn: 0.0897720    total: 13.6s  remaining: 47s
225: learn: 0.0896769    total: 13.7s  remaining: 46.9s
226: learn: 0.0896346    total: 13.7s  remaining: 46.7s
227: learn: 0.0895537    total: 13.8s  remaining: 46.7s
228: learn: 0.0893142    total: 13.9s  remaining: 46.6s
229: learn: 0.0892575    total: 13.9s  remaining: 46.5s
230: learn: 0.0890843    total: 13.9s  remaining: 46.3s
231: learn: 0.0889492    total: 14s    remaining: 46.2s
232: learn: 0.0888994    total: 14s    remaining: 46s
233: learn: 0.0886819    total: 14s    remaining: 45.8s
234: learn: 0.0884294    total: 14s    remaining: 45.7s
235: learn: 0.0883040    total: 14.1s  remaining: 45.6s
236: learn: 0.0880704    total: 14.1s  remaining: 45.5s
237: learn: 0.0879958    total: 14.2s  remaining: 45.3s
238: learn: 0.0878683    total: 14.2s  remaining: 45.2s
239: learn: 0.0877012    total: 14.2s  remaining: 45s
240: learn: 0.0876365    total: 14.2s  remaining: 44.8s
241: learn: 0.0875097    total: 14.3s  remaining: 44.8s
242: learn: 0.0873419    total: 14.3s  remaining: 44.7s
243: learn: 0.0871873    total: 14.4s  remaining: 44.6s
244: learn: 0.0871390    total: 14.5s  remaining: 44.5s
245: learn: 0.0870594    total: 14.6s  remaining: 44.7s
246: learn: 0.0869032    total: 14.6s  remaining: 44.6s
247: learn: 0.0867230    total: 14.7s  remaining: 44.5s
248: learn: 0.0865877    total: 14.7s  remaining: 44.4s
249: learn: 0.0864883    total: 14.7s  remaining: 44.2s
250: learn: 0.0863002    total: 14.8s  remaining: 44.1s
251: learn: 0.0862478    total: 14.8s  remaining: 44s
252: learn: 0.0860439    total: 14.8s  remaining: 43.8s
253: learn: 0.0858728    total: 14.9s  remaining: 43.7s
254: learn: 0.0857003    total: 14.9s  remaining: 43.4s
255: learn: 0.0855011    total: 14.9s  remaining: 43.3s

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256: learn: 0.0853428    total: 15s      remaining: 43.3s
257: learn: 0.0851150    total: 15s      remaining: 43.1s
258: learn: 0.0850678    total: 15s      remaining: 43s
259: learn: 0.0849021    total: 15.1s    remaining: 42.9s
260: learn: 0.0847014    total: 15.1s    remaining: 42.7s
261: learn: 0.0845918    total: 15.1s    remaining: 42.5s
262: learn: 0.0844949    total: 15.1s    remaining: 42.3s
263: learn: 0.0842720    total: 15.1s    remaining: 42.1s
264: learn: 0.0841740    total: 15.1s    remaining: 42s
265: learn: 0.0840337    total: 15.1s    remaining: 41.8s
266: learn: 0.0840000    total: 15.2s    remaining: 41.7s
267: learn: 0.0838400    total: 15.2s    remaining: 41.6s
268: learn: 0.0835639    total: 15.3s    remaining: 41.5s
269: learn: 0.0834744    total: 15.4s    remaining: 41.6s
270: learn: 0.0833299    total: 15.5s    remaining: 41.6s
271: learn: 0.0832340    total: 15.5s    remaining: 41.5s
272: learn: 0.0830700    total: 15.6s    remaining: 41.4s
273: learn: 0.0829531    total: 15.6s    remaining: 41.4s
274: learn: 0.0828244    total: 15.7s    remaining: 41.4s
275: learn: 0.0827524    total: 15.8s    remaining: 41.5s
276: learn: 0.0826382    total: 15.8s    remaining: 41.3s
277: learn: 0.0825290    total: 15.9s    remaining: 41.3s
278: learn: 0.0824092    total: 16s      remaining: 41.3s
279: learn: 0.0822659    total: 16s      remaining: 41.2s
280: learn: 0.0821353    total: 16.1s    remaining: 41.1s
281: learn: 0.0819785    total: 16.1s    remaining: 41s
282: learn: 0.0818166    total: 16.2s    remaining: 41s
283: learn: 0.0816264    total: 16.3s    remaining: 41s
284: learn: 0.0815327    total: 16.4s    remaining: 41.1s
285: learn: 0.0814714    total: 16.4s    remaining: 40.9s
286: learn: 0.0812364    total: 16.4s    remaining: 40.8s
287: learn: 0.0810508    total: 16.5s    remaining: 40.7s
288: learn: 0.0808614    total: 16.6s    remaining: 40.9s
289: learn: 0.0807192    total: 16.8s    remaining: 41.1s
290: learn: 0.0806733    total: 16.9s    remaining: 41.1s
291: learn: 0.0806074    total: 16.9s    remaining: 40.9s
292: learn: 0.0805325    total: 16.9s    remaining: 40.7s
293: learn: 0.0804565    total: 16.9s    remaining: 40.6s
294: learn: 0.0803104    total: 17s      remaining: 40.6s
295: learn: 0.0802480    total: 17s      remaining: 40.5s
296: learn: 0.0801812    total: 17s      remaining: 40.3s
297: learn: 0.0801614    total: 17.1s    remaining: 40.2s
298: learn: 0.0801303    total: 17.2s    remaining: 40.3s
299: learn: 0.0800050    total: 17.2s    remaining: 40.2s
300: learn: 0.0798771    total: 17.3s    remaining: 40.2s
301: learn: 0.0797710    total: 17.4s    remaining: 40.2s
302: learn: 0.0797089    total: 17.6s    remaining: 40.4s
303: learn: 0.0795390    total: 17.7s    remaining: 40.4s
304: learn: 0.0794365    total: 17.8s    remaining: 40.6s
305: learn: 0.0794016    total: 17.9s    remaining: 40.6s
306: learn: 0.0793716    total: 17.9s    remaining: 40.4s
307: learn: 0.0792197    total: 18s      remaining: 40.3s
308: learn: 0.0791234    total: 18s      remaining: 40.3s
309: learn: 0.0791082    total: 18.1s    remaining: 40.3s
310: learn: 0.0789770    total: 18.1s    remaining: 40.2s
311: learn: 0.0789505    total: 18.1s    remaining: 40s
312: learn: 0.0789293    total: 18.2s    remaining: 40s
313: learn: 0.0789177    total: 18.3s    remaining: 40.1s
314: learn: 0.0788139    total: 18.5s    remaining: 40.2s
315: learn: 0.0787757    total: 18.6s    remaining: 40.2s
316: learn: 0.0787559    total: 18.6s    remaining: 40.2s
373: learn: 0.0669162    total: 20.1s    remaining: 33.7s
374: learn: 0.0667859    total: 20.2s    remaining: 33.7s
375: learn: 0.0666678    total: 20.4s    remaining: 33.8s

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376: learn: 0.0666543    total: 20.4s  remaining: 33.7s
377: learn: 0.0665286    total: 20.5s  remaining: 33.7s
378: learn: 0.0664340    total: 20.5s  remaining: 33.6s
379: learn: 0.0663795    total: 20.5s  remaining: 33.4s
380: learn: 0.0662080    total: 20.5s  remaining: 33.4s
381: learn: 0.0661367    total: 20.5s  remaining: 33.2s
382: learn: 0.0659634    total: 20.6s  remaining: 33.1s
383: learn: 0.0658800    total: 20.6s  remaining: 33s
384: learn: 0.0657121    total: 20.6s  remaining: 33s
385: learn: 0.0656189    total: 20.6s  remaining: 32.8s
386: learn: 0.0655154    total: 20.7s  remaining: 32.7s
387: learn: 0.0653713    total: 20.7s  remaining: 32.7s
388: learn: 0.0651991    total: 20.7s  remaining: 32.5s
389: learn: 0.0650728    total: 20.8s  remaining: 32.5s
390: learn: 0.0649663    total: 20.8s  remaining: 32.4s
391: learn: 0.0649062    total: 20.8s  remaining: 32.3s
392: learn: 0.0648924    total: 20.8s  remaining: 32.2s
393: learn: 0.0647708    total: 20.9s  remaining: 32.1s
394: learn: 0.0646182    total: 20.9s  remaining: 32s
395: learn: 0.0645342    total: 21s   remaining: 32s
396: learn: 0.0644049    total: 21.1s  remaining: 32s
397: learn: 0.0642655    total: 21.1s  remaining: 31.9s
398: learn: 0.0641225    total: 21.2s  remaining: 32s
399: learn: 0.0639602    total: 21.2s  remaining: 31.8s
400: learn: 0.0638987    total: 21.2s  remaining: 31.7s
401: learn: 0.0638297    total: 21.3s  remaining: 31.6s
402: learn: 0.0637069    total: 21.3s  remaining: 31.6s
403: learn: 0.0635721    total: 21.4s  remaining: 31.5s
404: learn: 0.0634868    total: 21.4s  remaining: 31.5s
405: learn: 0.0633961    total: 21.4s  remaining: 31.4s
406: learn: 0.0632818    total: 21.4s  remaining: 31.3s
407: learn: 0.0631688    total: 21.5s  remaining: 31.1s
408: learn: 0.0630993    total: 21.5s  remaining: 31.1s
409: learn: 0.0629900    total: 21.5s  remaining: 30.9s
410: learn: 0.0628819    total: 21.5s  remaining: 30.8s
411: learn: 0.0627888    total: 21.5s  remaining: 30.7s
412: learn: 0.0626322    total: 21.5s  remaining: 30.6s
413: learn: 0.0625526    total: 21.6s  remaining: 30.6s
414: learn: 0.0625013    total: 21.6s  remaining: 30.5s
415: learn: 0.0623600    total: 21.6s  remaining: 30.4s
416: learn: 0.0622799    total: 21.7s  remaining: 30.3s
417: learn: 0.0621819    total: 21.7s  remaining: 30.2s
418: learn: 0.0620685    total: 21.7s  remaining: 30.1s
419: learn: 0.0620570    total: 21.8s  remaining: 30.2s
420: learn: 0.0619807    total: 21.9s  remaining: 30.1s
421: learn: 0.0619669    total: 21.9s  remaining: 30s
422: learn: 0.0618785    total: 21.9s  remaining: 29.9s
423: learn: 0.0617937    total: 21.9s  remaining: 29.7s
424: learn: 0.0616955    total: 21.9s  remaining: 29.6s
425: learn: 0.0615598    total: 21.9s  remaining: 29.6s
426: learn: 0.0614760    total: 21.9s  remaining: 29.5s
427: learn: 0.0613888    total: 21.9s  remaining: 29.3s
428: learn: 0.0613236    total: 22s   remaining: 29.3s
429: learn: 0.0611957    total: 22.1s  remaining: 29.3s
430: learn: 0.0610489    total: 22.1s  remaining: 29.2s
431: learn: 0.0609419    total: 22.2s  remaining: 29.2s
432: learn: 0.0609332    total: 22.2s  remaining: 29.1s
433: learn: 0.0609238    total: 22.6s  remaining: 29.4s
434: learn: 0.0608340    total: 22.7s  remaining: 29.5s
435: learn: 0.0607458    total: 22.8s  remaining: 29.4s
436: learn: 0.0606203    total: 22.9s  remaining: 29.4s
437: learn: 0.0604802    total: 22.9s  remaining: 29.4s
438: learn: 0.0603837    total: 23.1s  remaining: 29.5s
439: learn: 0.0603060    total: 23.4s  remaining: 29.8s

```

```

440: learn: 0.0602183    total: 23.5s  remaining: 29.9s
441: learn: 0.0601164    total: 23.6s  remaining: 29.8s
442: learn: 0.0600436    total: 23.7s  remaining: 29.8s
443: learn: 0.0598828    total: 23.7s  remaining: 29.7s
444: learn: 0.0597828    total: 23.7s  remaining: 29.6s
445: learn: 0.0596863    total: 23.8s  remaining: 29.6s
446: learn: 0.0596749    total: 23.8s  remaining: 29.5s
447: learn: 0.0596048    total: 23.9s  remaining: 29.4s
448: learn: 0.0595445    total: 24s     remaining: 29.4s
449: learn: 0.0594485    total: 24.1s  remaining: 29.4s
450: learn: 0.0593730    total: 24.2s  remaining: 29.4s
451: learn: 0.0592793    total: 24.2s  remaining: 29.4s
452: learn: 0.0592388    total: 24.3s  remaining: 29.4s
453: learn: 0.0591556    total: 24.5s  remaining: 29.4s
454: learn: 0.0590703    total: 24.5s  remaining: 29.4s
455: learn: 0.0590394    total: 24.6s  remaining: 29.4s
456: learn: 0.0588717    total: 24.7s  remaining: 29.3s
457: learn: 0.0587498    total: 24.7s  remaining: 29.2s
458: learn: 0.0586066    total: 24.8s  remaining: 29.2s
459: learn: 0.0584773    total: 24.9s  remaining: 29.2s
460: learn: 0.0584124    total: 25.1s  remaining: 29.4s
461: learn: 0.0583148    total: 25.3s  remaining: 29.5s
462: learn: 0.0582441    total: 25.4s  remaining: 29.4s
463: learn: 0.0581678    total: 25.6s  remaining: 29.5s
464: learn: 0.0580688    total: 25.6s  remaining: 29.4s
465: learn: 0.0579564    total: 25.7s  remaining: 29.4s
466: learn: 0.0578848    total: 25.7s  remaining: 29.4s
467: learn: 0.0578009    total: 25.8s  remaining: 29.4s
468: learn: 0.0576770    total: 25.9s  remaining: 29.3s
469: learn: 0.0576314    total: 25.9s  remaining: 29.2s
470: learn: 0.0575828    total: 26s     remaining: 29.2s
471: learn: 0.0574719    total: 26.1s  remaining: 29.1s
472: learn: 0.0573963    total: 26.2s  remaining: 29.1s
473: learn: 0.0573454    total: 26.2s  remaining: 29.1s
474: learn: 0.0572292    total: 26.3s  remaining: 29s
475: learn: 0.0571719    total: 26.3s  remaining: 28.9s
476: learn: 0.0571017    total: 26.3s  remaining: 28.8s
477: learn: 0.0569775    total: 26.4s  remaining: 28.8s
478: learn: 0.0569130    total: 26.4s  remaining: 28.7s
479: learn: 0.0568659    total: 26.4s  remaining: 28.7s
480: learn: 0.0567739    total: 26.5s  remaining: 28.6s
481: learn: 0.05666780   total: 26.5s  remaining: 28.5s
482: learn: 0.05666678   total: 26.6s  remaining: 28.5s
483: learn: 0.0565995    total: 26.6s  remaining: 28.4s
484: learn: 0.0564681    total: 26.6s  remaining: 28.3s
485: learn: 0.0564220    total: 26.7s  remaining: 28.3s
486: learn: 0.0563709    total: 26.8s  remaining: 28.2s
487: learn: 0.0562708    total: 26.8s  remaining: 28.1s
488: learn: 0.0561658    total: 26.9s  remaining: 28.1s
489: learn: 0.0560941    total: 27s     remaining: 28.1s
490: learn: 0.0560610    total: 27.1s  remaining: 28.1s
491: learn: 0.0559675    total: 27.1s  remaining: 28s
492: learn: 0.0559173    total: 27.2s  remaining: 27.9s
493: learn: 0.0557585    total: 27.2s  remaining: 27.9s
494: learn: 0.0556740    total: 27.3s  remaining: 27.8s
495: learn: 0.0556211    total: 27.3s  remaining: 27.8s
496: learn: 0.0555372    total: 27.5s  remaining: 27.8s
497: learn: 0.0554905    total: 27.6s  remaining: 27.8s
498: learn: 0.0553688    total: 27.6s  remaining: 27.7s
499: learn: 0.0553407    total: 27.6s  remaining: 27.6s
500: learn: 0.0552325    total: 27.7s  remaining: 27.6s
501: learn: 0.0551397    total: 27.8s  remaining: 27.6s
502: learn: 0.0550267    total: 27.8s  remaining: 27.5s
503: learn: 0.0549822    total: 27.8s  remaining: 27.4s

```

```
504: learn: 0.0548972      total: 27.9s  remaining: 27.3s
505: learn: 0.0547993      total: 27.9s  remaining: 27.3s
506: learn: 0.0547260      total: 28s    remaining: 27.2s
507: learn: 0.0545862      total: 28s    remaining: 27.1s
508: learn: 0.0545047      total: 28s    remaining: 27.1s
509: learn: 0.0544131      total: 28.1s   remaining: 27s
510: learn: 0.0543001      total: 28.2s   remaining: 27s
511: learn: 0.0541988      total: 28.2s   remaining: 26.9s
512: learn: 0.0541560      total: 28.3s   remaining: 26.8s
513: learn: 0.0540613      total: 28.4s   remaining: 26.9s
514: learn: 0.0539921      total: 28.5s   remaining: 26.8s
515: learn: 0.0539039      total: 28.5s   remaining: 26.7s
516: learn: 0.0538168      total: 28.5s   remaining: 26.7s
517: learn: 0.0536956      total: 28.5s   remaining: 26.6s
518: learn: 0.0535826      total: 28.7s   remaining: 26.6s
519: learn: 0.0535059      total: 28.8s   remaining: 26.6s
520: learn: 0.0534450      total: 28.9s   remaining: 26.6s
521: learn: 0.0533893      total: 28.9s   remaining: 26.5s
522: learn: 0.0533085      total: 29.1s   remaining: 26.5s
523: learn: 0.0532439      total: 29.1s   remaining: 26.5s
524: learn: 0.0531920      total: 29.2s   remaining: 26.4s
525: learn: 0.0530926      total: 29.3s   remaining: 26.4s
526: learn: 0.0529789      total: 29.4s   remaining: 26.4s
527: learn: 0.0529417      total: 29.5s   remaining: 26.4s
528: learn: 0.0528283      total: 29.5s   remaining: 26.3s
529: learn: 0.0527059      total: 29.7s   remaining: 26.3s
530: learn: 0.0526381      total: 30s     remaining: 26.5s

/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(
```

```

373: learn: 0.0717126      total: 21s      remaining: 35.1s
374: learn: 0.0715935      total: 21.1s     remaining: 35.2s
375: learn: 0.0715498      total: 21.1s     remaining: 35.1s
376: learn: 0.0714176      total: 21.2s     remaining: 35s
377: learn: 0.0712843      total: 21.2s     remaining: 34.9s
378: learn: 0.0711502      total: 21.3s     remaining: 34.8s
379: learn: 0.0710322      total: 21.3s     remaining: 34.7s
380: learn: 0.0709331      total: 21.3s     remaining: 34.7s
381: learn: 0.0707619      total: 21.4s     remaining: 34.6s
382: learn: 0.0705789      total: 21.4s     remaining: 34.5s
383: learn: 0.0704753      total: 21.4s     remaining: 34.4s
384: learn: 0.0703458      total: 21.5s     remaining: 34.3s
385: learn: 0.0702116      total: 21.5s     remaining: 34.2s
386: learn: 0.0700580      total: 21.5s     remaining: 34.1s
387: learn: 0.0699053      total: 21.6s     remaining: 34.1s
388: learn: 0.0697820      total: 21.6s     remaining: 34s
389: learn: 0.0697241      total: 21.7s     remaining: 33.9s
390: learn: 0.0696233      total: 21.8s     remaining: 33.9s
391: learn: 0.0695424      total: 21.8s     remaining: 33.8s
392: learn: 0.0693933      total: 21.9s     remaining: 33.8s
393: learn: 0.0692824      total: 21.9s     remaining: 33.7s
394: learn: 0.0691039      total: 22s       remaining: 33.7s
395: learn: 0.0689805      total: 22s       remaining: 33.6s
396: learn: 0.0687895      total: 22.1s     remaining: 33.5s
397: learn: 0.0686867      total: 22.1s     remaining: 33.4s
398: learn: 0.0685483      total: 22.2s     remaining: 33.5s
399: learn: 0.0685096      total: 22.3s     remaining: 33.5s
400: learn: 0.0684295      total: 22.5s     remaining: 33.6s
401: learn: 0.0683406      total: 22.6s     remaining: 33.6s
402: learn: 0.0682139      total: 22.6s     remaining: 33.5s
403: learn: 0.0680252      total: 22.6s     remaining: 33.4s
404: learn: 0.0678609      total: 22.8s     remaining: 33.4s
405: learn: 0.0677026      total: 22.8s     remaining: 33.3s
406: learn: 0.0676659      total: 22.9s     remaining: 33.4s
407: learn: 0.0675905      total: 23s       remaining: 33.3s
408: learn: 0.0674908      total: 23.2s     remaining: 33.5s
409: learn: 0.0673026      total: 23.3s     remaining: 33.6s
410: learn: 0.0672063      total: 23.4s     remaining: 33.5s
411: learn: 0.0671143      total: 23.5s     remaining: 33.5s
412: learn: 0.0670062      total: 23.6s     remaining: 33.5s
413: learn: 0.0669013      total: 23.6s     remaining: 33.4s
414: learn: 0.0667882      total: 23.6s     remaining: 33.3s
415: learn: 0.0666291      total: 23.8s     remaining: 33.4s
416: learn: 0.0665342      total: 23.8s     remaining: 33.3s
417: learn: 0.0664246      total: 23.9s     remaining: 33.3s
418: learn: 0.0663792      total: 24s       remaining: 33.3s
419: learn: 0.0663011      total: 24s       remaining: 33.2s
420: learn: 0.0662182      total: 24.1s     remaining: 33.1s
421: learn: 0.0661540      total: 24.1s     remaining: 33s
422: learn: 0.0660697      total: 24.2s     remaining: 33s
423: learn: 0.0659183      total: 24.3s     remaining: 33s
424: learn: 0.0658840      total: 24.3s     remaining: 32.9s
425: learn: 0.0657645      total: 24.4s     remaining: 32.9s
426: learn: 0.0657296      total: 24.5s     remaining: 32.8s
427: learn: 0.0655269      total: 24.6s     remaining: 32.9s
428: learn: 0.0654488      total: 24.8s     remaining: 33s
429: learn: 0.0653138      total: 24.8s     remaining: 32.9s
430: learn: 0.0651463      total: 24.9s     remaining: 32.9s
431: learn: 0.0650335      total: 24.9s     remaining: 32.8s
432: learn: 0.0649219      total: 25s       remaining: 32.7s
433: learn: 0.0648335      total: 25s       remaining: 32.7s
434: learn: 0.0647236      total: 25.2s     remaining: 32.7s
435: learn: 0.0646904      total: 25.3s     remaining: 32.8s
436: learn: 0.0646115      total: 25.5s     remaining: 32.8s

```

```

437: learn: 0.0644946    total: 25.7s  remaining: 32.9s
438: learn: 0.0643446    total: 25.8s  remaining: 32.9s
439: learn: 0.0642351    total: 26s     remaining: 33s
440: learn: 0.0641482    total: 26.1s  remaining: 33.1s
441: learn: 0.0640567    total: 26.2s  remaining: 33.1s
442: learn: 0.0640159    total: 26.3s  remaining: 33s
443: learn: 0.0638915    total: 26.3s  remaining: 32.9s
444: learn: 0.0637327    total: 26.4s  remaining: 32.9s
445: learn: 0.0636225    total: 26.5s  remaining: 32.9s
446: learn: 0.0635371    total: 26.5s  remaining: 32.8s
447: learn: 0.0634559    total: 26.6s  remaining: 32.8s
448: learn: 0.0633594    total: 26.7s  remaining: 32.8s
449: learn: 0.0632793    total: 26.7s  remaining: 32.7s
450: learn: 0.0631923    total: 26.8s  remaining: 32.6s
451: learn: 0.0631036    total: 26.9s  remaining: 32.6s
452: learn: 0.0630000    total: 26.9s  remaining: 32.5s
453: learn: 0.0628617    total: 26.9s  remaining: 32.4s
454: learn: 0.0627772    total: 27s     remaining: 32.3s
455: learn: 0.0626579    total: 27.1s  remaining: 32.3s
456: learn: 0.0625540    total: 27.2s  remaining: 32.4s
457: learn: 0.0625161    total: 27.2s  remaining: 32.2s
458: learn: 0.0624134    total: 27.3s  remaining: 32.2s
459: learn: 0.0623220    total: 27.4s  remaining: 32.2s
460: learn: 0.0622567    total: 27.5s  remaining: 32.2s
461: learn: 0.0622189    total: 27.6s  remaining: 32.1s
462: learn: 0.0621098    total: 27.6s  remaining: 32s
463: learn: 0.0620062    total: 27.7s  remaining: 31.9s
464: learn: 0.0618982    total: 27.7s  remaining: 31.8s
465: learn: 0.0617838    total: 27.7s  remaining: 31.7s
466: learn: 0.0616859    total: 27.7s  remaining: 31.6s
467: learn: 0.0615740    total: 27.8s  remaining: 31.5s
468: learn: 0.0615203    total: 27.8s  remaining: 31.4s
469: learn: 0.0613798    total: 27.8s  remaining: 31.4s
470: learn: 0.0612985    total: 27.8s  remaining: 31.3s
471: learn: 0.0611230    total: 27.9s  remaining: 31.2s
472: learn: 0.0609950    total: 27.9s  remaining: 31.1s
473: learn: 0.0609405    total: 28s     remaining: 31s
474: learn: 0.0608845    total: 28.1s  remaining: 31s
475: learn: 0.0608379    total: 28.2s  remaining: 31s
476: learn: 0.0607691    total: 28.2s  remaining: 30.9s
477: learn: 0.0606924    total: 28.2s  remaining: 30.8s
478: learn: 0.0605703    total: 28.3s  remaining: 30.7s
479: learn: 0.0604434    total: 28.3s  remaining: 30.6s
480: learn: 0.0603445    total: 28.4s  remaining: 30.6s
481: learn: 0.0602606    total: 28.5s  remaining: 30.6s
482: learn: 0.0601440    total: 28.5s  remaining: 30.5s
483: learn: 0.0600628    total: 28.5s  remaining: 30.4s
484: learn: 0.0599783    total: 28.6s  remaining: 30.3s
485: learn: 0.0598511    total: 28.7s  remaining: 30.3s
486: learn: 0.0598248    total: 28.8s  remaining: 30.4s
487: learn: 0.0597612    total: 28.9s  remaining: 30.3s
488: learn: 0.0596075    total: 28.9s  remaining: 30.2s
489: learn: 0.0595286    total: 28.9s  remaining: 30.1s
490: learn: 0.0594753    total: 29s     remaining: 30.1s
491: learn: 0.0593957    total: 29.1s  remaining: 30s
492: learn: 0.0593305    total: 29.1s  remaining: 29.9s
493: learn: 0.0592670    total: 29.3s  remaining: 30.1s
494: learn: 0.0591569    total: 29.5s  remaining: 30.1s
495: learn: 0.0591125    total: 29.6s  remaining: 30.1s
496: learn: 0.0590347    total: 29.8s  remaining: 30.1s
497: learn: 0.0589695    total: 29.8s  remaining: 30s
498: learn: 0.0588839    total: 29.8s  remaining: 29.9s
499: learn: 0.0588074    total: 29.8s  remaining: 29.8s
500: learn: 0.0587352    total: 29.9s  remaining: 29.8s

```

```
501: learn: 0.0586840    total: 30s      remaining: 29.7s
502: learn: 0.0585261    total: 30s      remaining: 29.7s
503: learn: 0.0583745    total: 30.1s     remaining: 29.6s
504: learn: 0.0582663    total: 30.1s     remaining: 29.5s
505: learn: 0.0581248    total: 30.2s     remaining: 29.5s
506: learn: 0.0580642    total: 30.2s     remaining: 29.4s
507: learn: 0.0579457    total: 30.3s     remaining: 29.3s
508: learn: 0.0578430    total: 30.5s     remaining: 29.4s
509: learn: 0.0577768    total: 30.5s     remaining: 29.3s
510: learn: 0.0576887    total: 30.6s     remaining: 29.3s
511: learn: 0.0575626    total: 30.6s     remaining: 29.2s
512: learn: 0.0574776    total: 30.8s     remaining: 29.3s
513: learn: 0.0574086    total: 31s       remaining: 29.3s
514: learn: 0.0573220    total: 31.1s     remaining: 29.3s
515: learn: 0.0572514    total: 31.2s     remaining: 29.3s
516: learn: 0.0570712    total: 31.4s     remaining: 29.3s
517: learn: 0.0570198    total: 31.5s     remaining: 29.3s
518: learn: 0.0569249    total: 31.6s     remaining: 29.3s
519: learn: 0.0568564    total: 31.9s     remaining: 29.4s
520: learn: 0.0568006    total: 31.9s     remaining: 29.3s
521: learn: 0.0567356    total: 32.1s     remaining: 29.4s
522: learn: 0.0566784    total: 32.1s     remaining: 29.3s
523: learn: 0.0566219    total: 32.1s     remaining: 29.2s
524: learn: 0.0564885    total: 32.2s     remaining: 29.1s
525: learn: 0.0564014    total: 32.2s     remaining: 29.1s
526: learn: 0.0562561    total: 32.3s     remaining: 29s
527: learn: 0.0561688    total: 32.4s     remaining: 29s
528: learn: 0.0560614    total: 32.4s     remaining: 28.9s
529: learn: 0.0559939    total: 32.5s     remaining: 28.8s
530: learn: 0.0559326    total: 32.6s     remaining: 28.8s
```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
```

```
    warnings.warn(
```

```

376: learn: 0.0674576    total: 21.2s  remaining: 35.1s
377: learn: 0.0673335    total: 21.3s  remaining: 35s
378: learn: 0.0673143    total: 21.3s  remaining: 34.9s
379: learn: 0.0672149    total: 21.4s  remaining: 34.9s
380: learn: 0.0670653    total: 21.4s  remaining: 34.7s
381: learn: 0.0669503    total: 21.4s  remaining: 34.7s
382: learn: 0.0668313    total: 21.4s  remaining: 34.5s
383: learn: 0.0666720    total: 21.5s  remaining: 34.4s
384: learn: 0.0665437    total: 21.6s  remaining: 34.5s
385: learn: 0.0664947    total: 21.6s  remaining: 34.3s
386: learn: 0.0662663    total: 21.6s  remaining: 34.2s
387: learn: 0.0661268    total: 21.6s  remaining: 34.1s
388: learn: 0.0659868    total: 21.7s  remaining: 34s
389: learn: 0.0658184    total: 21.7s  remaining: 33.9s
390: learn: 0.0656686    total: 21.7s  remaining: 33.8s
391: learn: 0.0656585    total: 21.7s  remaining: 33.7s
392: learn: 0.0655225    total: 21.8s  remaining: 33.6s
393: learn: 0.0655056    total: 21.8s  remaining: 33.5s
394: learn: 0.0653520    total: 21.8s  remaining: 33.4s
395: learn: 0.0652181    total: 21.9s  remaining: 33.4s
396: learn: 0.0651029    total: 21.9s  remaining: 33.3s
397: learn: 0.0649429    total: 22s    remaining: 33.2s
398: learn: 0.0648510    total: 22s    remaining: 33.1s
399: learn: 0.0647208    total: 22s    remaining: 33.1s
400: learn: 0.0647021    total: 22.1s  remaining: 33s
401: learn: 0.0645683    total: 22.1s  remaining: 32.9s
402: learn: 0.0644801    total: 22.2s  remaining: 32.9s
403: learn: 0.0643752    total: 22.4s  remaining: 33s
404: learn: 0.0642594    total: 22.5s  remaining: 33s
405: learn: 0.0640883    total: 22.5s  remaining: 32.9s
406: learn: 0.0639100    total: 22.6s  remaining: 33s
407: learn: 0.0637965    total: 22.9s  remaining: 33.2s
408: learn: 0.0636940    total: 22.9s  remaining: 33.1s
409: learn: 0.0635472    total: 23s    remaining: 33.1s
410: learn: 0.0634452    total: 23.1s  remaining: 33.1s
411: learn: 0.0633090    total: 23.1s  remaining: 33s
412: learn: 0.0632509    total: 23.2s  remaining: 33s
413: learn: 0.0631126    total: 23.5s  remaining: 33.2s
414: learn: 0.0629464    total: 23.6s  remaining: 33.2s
415: learn: 0.0629010    total: 23.6s  remaining: 33.1s
416: learn: 0.0627775    total: 23.6s  remaining: 33s
417: learn: 0.0626624    total: 23.6s  remaining: 32.9s
418: learn: 0.0625366    total: 23.8s  remaining: 33s
419: learn: 0.0623883    total: 23.8s  remaining: 32.9s
420: learn: 0.0623208    total: 23.9s  remaining: 32.8s
421: learn: 0.0622185    total: 24s    remaining: 32.8s
422: learn: 0.0620869    total: 24.1s  remaining: 32.9s
423: learn: 0.0619748    total: 24.3s  remaining: 32.9s
424: learn: 0.0618643    total: 24.4s  remaining: 33s
425: learn: 0.0617555    total: 24.4s  remaining: 32.9s
426: learn: 0.0616301    total: 24.5s  remaining: 32.9s
427: learn: 0.0615482    total: 24.6s  remaining: 32.8s
428: learn: 0.0614715    total: 24.6s  remaining: 32.8s
429: learn: 0.0613440    total: 24.7s  remaining: 32.7s
430: learn: 0.0612054    total: 24.8s  remaining: 32.7s
431: learn: 0.0611553    total: 24.9s  remaining: 32.7s
432: learn: 0.0610938    total: 25s    remaining: 32.7s
433: learn: 0.0609467    total: 25.1s  remaining: 32.7s
434: learn: 0.0608102    total: 25.1s  remaining: 32.6s
435: learn: 0.0607009    total: 25.3s  remaining: 32.7s
436: learn: 0.0605918    total: 25.4s  remaining: 32.7s
437: learn: 0.0604705    total: 25.4s  remaining: 32.6s
438: learn: 0.0604562    total: 25.6s  remaining: 32.7s
439: learn: 0.0603208    total: 25.7s  remaining: 32.7s

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440: learn: 0.0602200    total: 25.8s  remaining: 32.7s
441: learn: 0.0601118    total: 26s     remaining: 32.8s
442: learn: 0.0599993    total: 26s     remaining: 32.7s
443: learn: 0.0598889    total: 26.1s   remaining: 32.6s
444: learn: 0.0598754    total: 26.1s   remaining: 32.6s
445: learn: 0.0598627    total: 26.1s   remaining: 32.5s
446: learn: 0.0597061    total: 26.2s   remaining: 32.4s
447: learn: 0.0596344    total: 26.2s   remaining: 32.3s
448: learn: 0.0595348    total: 26.2s   remaining: 32.2s
449: learn: 0.0594077    total: 26.3s   remaining: 32.1s
450: learn: 0.0593709    total: 26.4s   remaining: 32.1s
451: learn: 0.0592393    total: 26.4s   remaining: 32s
452: learn: 0.0591635    total: 26.4s   remaining: 31.9s
453: learn: 0.0590773    total: 26.5s   remaining: 31.9s
454: learn: 0.0589222    total: 26.7s   remaining: 31.9s
455: learn: 0.0588117    total: 26.8s   remaining: 31.9s
456: learn: 0.0587000    total: 26.9s   remaining: 31.9s
457: learn: 0.0586782    total: 27s     remaining: 31.9s
458: learn: 0.0585979    total: 27.2s   remaining: 32s
459: learn: 0.0585618    total: 27.3s   remaining: 32s
460: learn: 0.0584593    total: 27.3s   remaining: 31.9s
461: learn: 0.0583333    total: 27.3s   remaining: 31.8s
462: learn: 0.0583014    total: 27.4s   remaining: 31.8s
463: learn: 0.0581741    total: 27.5s   remaining: 31.7s
464: learn: 0.0580558    total: 27.5s   remaining: 31.7s
465: learn: 0.0579629    total: 27.6s   remaining: 31.6s
466: learn: 0.0579399    total: 27.6s   remaining: 31.5s
467: learn: 0.0578600    total: 27.7s   remaining: 31.5s
468: learn: 0.0577394    total: 27.7s   remaining: 31.4s
469: learn: 0.0577281    total: 27.7s   remaining: 31.3s
470: learn: 0.0576181    total: 27.8s   remaining: 31.3s
471: learn: 0.0575121    total: 27.9s   remaining: 31.2s
472: learn: 0.0574070    total: 27.9s   remaining: 31.1s
473: learn: 0.0572334    total: 28s     remaining: 31.1s
474: learn: 0.0571204    total: 28s     remaining: 31s
475: learn: 0.0570101    total: 28.1s   remaining: 30.9s
476: learn: 0.0569804    total: 28.2s   remaining: 30.9s
477: learn: 0.0569462    total: 28.3s   remaining: 30.9s
478: learn: 0.0568221    total: 28.4s   remaining: 30.9s
479: learn: 0.0567358    total: 28.5s   remaining: 30.9s
480: learn: 0.0567043    total: 28.6s   remaining: 30.8s
481: learn: 0.0566688    total: 28.7s   remaining: 30.8s
482: learn: 0.0565467    total: 28.7s   remaining: 30.7s
483: learn: 0.0565186    total: 28.8s   remaining: 30.7s
484: learn: 0.0563886    total: 29s     remaining: 30.7s
485: learn: 0.0563652    total: 29s     remaining: 30.7s
486: learn: 0.0562092    total: 29.1s   remaining: 30.7s
487: learn: 0.0561821    total: 29.2s   remaining: 30.6s
488: learn: 0.0561104    total: 29.2s   remaining: 30.5s
489: learn: 0.0559956    total: 29.4s   remaining: 30.6s
490: learn: 0.0559689    total: 29.5s   remaining: 30.5s
491: learn: 0.0558885    total: 29.5s   remaining: 30.5s
492: learn: 0.0557938    total: 29.7s   remaining: 30.6s
493: learn: 0.0557675    total: 29.7s   remaining: 30.5s
494: learn: 0.0556295    total: 29.8s   remaining: 30.4s
495: learn: 0.0555291    total: 29.8s   remaining: 30.3s
496: learn: 0.0554214    total: 29.9s   remaining: 30.3s
497: learn: 0.0553957    total: 29.9s   remaining: 30.2s
498: learn: 0.0553850    total: 30s     remaining: 30.2s
499: learn: 0.0552807    total: 30.1s   remaining: 30.1s
500: learn: 0.0551614    total: 30.3s   remaining: 30.1s
501: learn: 0.0550534    total: 30.4s   remaining: 30.1s
502: learn: 0.0550283    total: 30.5s   remaining: 30.1s
503: learn: 0.0549290    total: 30.5s   remaining: 30.1s

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```
504: learn: 0.0548076    total: 30.6s  remaining: 30s
505: learn: 0.0547103    total: 30.7s  remaining: 29.9s
506: learn: 0.0546108    total: 30.7s  remaining: 29.9s
507: learn: 0.0545006    total: 30.8s  remaining: 29.8s
508: learn: 0.0543893    total: 30.9s  remaining: 29.8s
509: learn: 0.0542629    total: 30.9s  remaining: 29.7s
510: learn: 0.0541287    total: 31.1s  remaining: 29.7s
511: learn: 0.0540990    total: 31.1s  remaining: 29.7s
512: learn: 0.0539697    total: 31.7s  remaining: 30.1s
513: learn: 0.0538928    total: 31.8s  remaining: 30s
514: learn: 0.0538672    total: 31.8s  remaining: 30s
515: learn: 0.0537605    total: 31.8s  remaining: 29.9s
516: learn: 0.0536917    total: 31.8s  remaining: 29.7s
517: learn: 0.0536213    total: 31.9s  remaining: 29.7s
518: learn: 0.0535016    total: 31.9s  remaining: 29.6s
519: learn: 0.0533852    total: 32.1s  remaining: 29.6s
520: learn: 0.0532703    total: 32.1s  remaining: 29.6s
521: learn: 0.0532576    total: 32.2s  remaining: 29.5s
522: learn: 0.0531707    total: 32.4s  remaining: 29.5s
523: learn: 0.0531140    total: 32.6s  remaining: 29.6s
524: learn: 0.0530146    total: 32.6s  remaining: 29.5s
525: learn: 0.0529270    total: 32.7s  remaining: 29.4s
526: learn: 0.0529047    total: 32.7s  remaining: 29.3s
527: learn: 0.0528360    total: 32.8s  remaining: 29.3s
528: learn: 0.0527475    total: 32.8s  remaining: 29.2s
529: learn: 0.0526775    total: 32.8s  remaining: 29.1s
530: learn: 0.0526509    total: 33s   remaining: 29.1s
531: learn: 0.0525292    total: 33.1s  remaining: 29.1s
532: learn: 0.0524395    total: 33.2s  remaining: 29.1s
533: learn: 0.0523494    total: 33.3s  remaining: 29s
```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
```

```
    warnings.warn(
```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
```

```
    warnings.warn(
```

```

317: learn: 0.0785952    total: 18.7s  remaining: 40.1s
318: learn: 0.0785730    total: 18.8s  remaining: 40.1s
319: learn: 0.0785571    total: 18.8s  remaining: 40s
320: learn: 0.0784944    total: 18.9s  remaining: 40s
321: learn: 0.0784783    total: 19s    remaining: 39.9s
322: learn: 0.0783254    total: 19.1s  remaining: 40s
323: learn: 0.0783155    total: 19.1s  remaining: 39.9s
324: learn: 0.0782053    total: 19.2s  remaining: 39.8s
325: learn: 0.0781146    total: 19.3s  remaining: 39.8s
326: learn: 0.0780988    total: 19.4s  remaining: 39.9s
327: learn: 0.0780847    total: 19.5s  remaining: 39.9s
328: learn: 0.0780066    total: 19.5s  remaining: 39.8s
329: learn: 0.0779974    total: 19.6s  remaining: 39.8s
330: learn: 0.0778884    total: 19.6s  remaining: 39.7s
331: learn: 0.0777807    total: 19.7s  remaining: 39.6s
332: learn: 0.0776458    total: 19.7s  remaining: 39.5s
333: learn: 0.0774914    total: 19.8s  remaining: 39.5s
334: learn: 0.0774735    total: 19.8s  remaining: 39.4s
335: learn: 0.0773360    total: 19.9s  remaining: 39.4s
336: learn: 0.0772463    total: 20s    remaining: 39.3s
337: learn: 0.0771276    total: 20s    remaining: 39.2s
338: learn: 0.0770250    total: 20s    remaining: 39.1s
339: learn: 0.0769080    total: 20.1s  remaining: 39s
340: learn: 0.0768996    total: 20.1s  remaining: 38.8s
341: learn: 0.0767735    total: 20.1s  remaining: 38.7s
342: learn: 0.0766580    total: 20.2s  remaining: 38.7s
343: learn: 0.0765818    total: 20.3s  remaining: 38.7s
344: learn: 0.0764520    total: 20.4s  remaining: 38.8s
345: learn: 0.0763077    total: 20.7s  remaining: 39.1s
346: learn: 0.0761269    total: 20.7s  remaining: 39s
347: learn: 0.0760660    total: 20.8s  remaining: 38.9s
348: learn: 0.0759028    total: 20.8s  remaining: 38.7s
349: learn: 0.0757533    total: 20.8s  remaining: 38.6s
350: learn: 0.0757455    total: 20.8s  remaining: 38.5s
351: learn: 0.0756489    total: 20.9s  remaining: 38.4s
352: learn: 0.0756377    total: 20.9s  remaining: 38.4s
353: learn: 0.0755478    total: 20.9s  remaining: 38.2s
354: learn: 0.0755400    total: 21s    remaining: 38.1s
355: learn: 0.0753958    total: 21s    remaining: 38s
356: learn: 0.0752746    total: 21s    remaining: 37.8s
357: learn: 0.0752014    total: 21.1s  remaining: 37.8s
358: learn: 0.0751491    total: 21.1s  remaining: 37.7s
359: learn: 0.0750694    total: 21.2s  remaining: 37.6s
360: learn: 0.0749283    total: 21.3s  remaining: 37.7s
361: learn: 0.0749210    total: 21.3s  remaining: 37.6s
362: learn: 0.0748071    total: 21.3s  remaining: 37.4s
363: learn: 0.0747984    total: 21.4s  remaining: 37.4s
364: learn: 0.0746805    total: 21.4s  remaining: 37.3s
365: learn: 0.0745144    total: 21.5s  remaining: 37.2s
366: learn: 0.0744324    total: 21.6s  remaining: 37.2s
367: learn: 0.0742922    total: 21.6s  remaining: 37.1s
368: learn: 0.0741469    total: 21.7s  remaining: 37.1s
369: learn: 0.0740954    total: 21.8s  remaining: 37s
370: learn: 0.0740861    total: 21.8s  remaining: 36.9s
371: learn: 0.0738835    total: 21.8s  remaining: 36.8s
372: learn: 0.0737753    total: 21.9s  remaining: 36.8s
373: learn: 0.0737659    total: 21.9s  remaining: 36.7s
374: learn: 0.0736830    total: 22s    remaining: 36.6s
375: learn: 0.0736237    total: 22s    remaining: 36.5s
376: learn: 0.0735331    total: 22.1s  remaining: 36.5s
377: learn: 0.0735226    total: 22.2s  remaining: 36.5s
378: learn: 0.0733826    total: 22.3s  remaining: 36.6s
379: learn: 0.0732899    total: 22.3s  remaining: 36.5s
380: learn: 0.0731545    total: 22.4s  remaining: 36.3s

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381: learn: 0.0730030    total: 22.4s  remaining: 36.3s
382: learn: 0.0728393    total: 22.6s  remaining: 36.5s
383: learn: 0.0727343    total: 22.6s  remaining: 36.3s
384: learn: 0.0725911    total: 22.7s  remaining: 36.2s
385: learn: 0.0724578    total: 22.7s  remaining: 36.1s
386: learn: 0.0724515    total: 22.7s  remaining: 36s
387: learn: 0.0723072    total: 22.8s  remaining: 35.9s
388: learn: 0.0722581    total: 22.9s  remaining: 36s
389: learn: 0.0721663    total: 23s    remaining: 36s
390: learn: 0.0720502    total: 23.1s  remaining: 35.9s
391: learn: 0.0720438    total: 23.1s  remaining: 35.8s
392: learn: 0.0719484    total: 23.1s  remaining: 35.8s
393: learn: 0.0719397    total: 23.2s  remaining: 35.7s
394: learn: 0.0718662    total: 23.2s  remaining: 35.6s
395: learn: 0.0717765    total: 23.3s  remaining: 35.6s
396: learn: 0.0716262    total: 23.5s  remaining: 35.7s
397: learn: 0.0714431    total: 23.6s  remaining: 35.6s
398: learn: 0.0713803    total: 23.7s  remaining: 35.7s
399: learn: 0.0712970    total: 23.9s  remaining: 35.8s
400: learn: 0.0711638    total: 23.9s  remaining: 35.7s
401: learn: 0.0711158    total: 23.9s  remaining: 35.6s
402: learn: 0.0709410    total: 24s    remaining: 35.6s
403: learn: 0.0708725    total: 24.1s  remaining: 35.5s
404: learn: 0.0707624    total: 24.1s  remaining: 35.4s
405: learn: 0.0707060    total: 24.2s  remaining: 35.4s
406: learn: 0.0705486    total: 24.2s  remaining: 35.3s
407: learn: 0.0704350    total: 24.3s  remaining: 35.2s
408: learn: 0.0703065    total: 24.3s  remaining: 35.1s
409: learn: 0.0701594    total: 24.4s  remaining: 35.1s
410: learn: 0.0700147    total: 24.4s  remaining: 35s
411: learn: 0.0698269    total: 24.5s  remaining: 35s
412: learn: 0.0697242    total: 24.6s  remaining: 35s
413: learn: 0.0696820    total: 24.7s  remaining: 34.9s
414: learn: 0.0696737    total: 24.7s  remaining: 34.8s
415: learn: 0.0695879    total: 24.9s  remaining: 34.9s
416: learn: 0.0695053    total: 25.1s  remaining: 35s
417: learn: 0.0694424    total: 25.1s  remaining: 34.9s
418: learn: 0.0693750    total: 25.1s  remaining: 34.8s
419: learn: 0.0692620    total: 25.1s  remaining: 34.7s
420: learn: 0.0691796    total: 25.2s  remaining: 34.7s
421: learn: 0.0690534    total: 25.2s  remaining: 34.6s
422: learn: 0.0689466    total: 25.3s  remaining: 34.5s
423: learn: 0.0688317    total: 25.3s  remaining: 34.4s
424: learn: 0.0687490    total: 25.4s  remaining: 34.3s
425: learn: 0.0687414    total: 25.4s  remaining: 34.3s
426: learn: 0.0687348    total: 25.5s  remaining: 34.2s
427: learn: 0.0685811    total: 25.5s  remaining: 34.1s
428: learn: 0.0684825    total: 25.6s  remaining: 34s
429: learn: 0.0683506    total: 25.6s  remaining: 34s
430: learn: 0.0682490    total: 25.8s  remaining: 34s
431: learn: 0.0681519    total: 25.9s  remaining: 34s
432: learn: 0.0680428    total: 26s    remaining: 34s
433: learn: 0.0679695    total: 26.1s  remaining: 34s
434: learn: 0.0679633    total: 26.1s  remaining: 33.9s
435: learn: 0.0679211    total: 26.2s  remaining: 33.8s
436: learn: 0.0679086    total: 26.2s  remaining: 33.7s
437: learn: 0.0677881    total: 26.3s  remaining: 33.7s
438: learn: 0.0677454    total: 26.3s  remaining: 33.6s
439: learn: 0.0676893    total: 26.3s  remaining: 33.5s
440: learn: 0.0676153    total: 26.4s  remaining: 33.4s
441: learn: 0.0675267    total: 26.4s  remaining: 33.4s
442: learn: 0.0674238    total: 26.5s  remaining: 33.3s
443: learn: 0.0673187    total: 26.5s  remaining: 33.2s
444: learn: 0.0671501    total: 26.6s  remaining: 33.2s

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445: learn: 0.0670457    total: 26.7s  remaining: 33.2s
446: learn: 0.0670383    total: 26.7s  remaining: 33s
447: learn: 0.0668696    total: 26.8s  remaining: 33s
448: learn: 0.0668066    total: 26.8s  remaining: 32.9s
449: learn: 0.0666707    total: 26.9s  remaining: 32.9s
450: learn: 0.0666656    total: 27s    remaining: 32.8s
451: learn: 0.0665841    total: 27s    remaining: 32.7s
452: learn: 0.0664505    total: 27s    remaining: 32.6s
453: learn: 0.0663960    total: 27s    remaining: 32.5s
454: learn: 0.0662883    total: 27.1s  remaining: 32.5s
455: learn: 0.0661730    total: 27.2s  remaining: 32.4s
456: learn: 0.0660462    total: 27.3s  remaining: 32.4s
457: learn: 0.0659495    total: 27.4s  remaining: 32.4s
458: learn: 0.0658524    total: 27.5s  remaining: 32.4s
459: learn: 0.0658091    total: 27.6s  remaining: 32.4s
460: learn: 0.0656998    total: 27.7s  remaining: 32.4s
461: learn: 0.0655538    total: 27.8s  remaining: 32.4s
462: learn: 0.0655003    total: 27.9s  remaining: 32.3s
463: learn: 0.0653993    total: 27.9s  remaining: 32.3s
464: learn: 0.0652792    total: 28s    remaining: 32.3s
465: learn: 0.0651778    total: 28.1s  remaining: 32.2s
466: learn: 0.0651185    total: 28.1s  remaining: 32.1s
467: learn: 0.0650561    total: 28.2s  remaining: 32.1s
468: learn: 0.0650103    total: 28.3s  remaining: 32s
469: learn: 0.0649073    total: 28.5s  remaining: 32.2s
470: learn: 0.0648481    total: 28.6s  remaining: 32.1s
471: learn: 0.0647796    total: 28.6s  remaining: 32s
472: learn: 0.0647162    total: 28.7s  remaining: 31.9s
473: learn: 0.0646361    total: 28.7s  remaining: 31.9s
474: learn: 0.0645806    total: 28.7s  remaining: 31.8s
475: learn: 0.0644987    total: 28.8s  remaining: 31.7s
374: learn: 0.0685484    total: 22.7s  remaining: 37.8s
375: learn: 0.0684992    total: 22.8s  remaining: 37.8s
376: learn: 0.0684590    total: 22.8s  remaining: 37.6s
377: learn: 0.0684221    total: 22.9s  remaining: 37.6s
378: learn: 0.0683117    total: 23s    remaining: 37.7s
379: learn: 0.0681398    total: 23.3s  remaining: 38s
380: learn: 0.0680777    total: 23.5s  remaining: 38.1s
381: learn: 0.0679262    total: 23.6s  remaining: 38.1s
382: learn: 0.0678224    total: 23.6s  remaining: 38s
383: learn: 0.0677024    total: 23.8s  remaining: 38.2s
384: learn: 0.0675213    total: 23.9s  remaining: 38.1s
385: learn: 0.0674837    total: 23.9s  remaining: 38s
386: learn: 0.0672973    total: 24.2s  remaining: 38.3s
387: learn: 0.0672279    total: 24.3s  remaining: 38.4s
388: learn: 0.0671810    total: 24.4s  remaining: 38.4s
389: learn: 0.0670554    total: 24.6s  remaining: 38.5s
390: learn: 0.0670391    total: 24.8s  remaining: 38.7s
391: learn: 0.0670241    total: 25s    remaining: 38.8s
392: learn: 0.0668649    total: 25.1s  remaining: 38.8s
393: learn: 0.0666503    total: 25.3s  remaining: 38.9s
394: learn: 0.0666190    total: 25.3s  remaining: 38.8s
395: learn: 0.0664819    total: 25.4s  remaining: 38.7s
396: learn: 0.0663825    total: 25.4s  remaining: 38.6s
397: learn: 0.0662833    total: 25.5s  remaining: 38.5s
398: learn: 0.0662481    total: 25.5s  remaining: 38.5s
399: learn: 0.0660413    total: 25.7s  remaining: 38.5s
400: learn: 0.0658925    total: 25.7s  remaining: 38.4s
401: learn: 0.0657973    total: 25.8s  remaining: 38.4s
402: learn: 0.0657401    total: 25.9s  remaining: 38.4s
403: learn: 0.0655709    total: 26.1s  remaining: 38.5s
404: learn: 0.0654097    total: 26.1s  remaining: 38.4s
405: learn: 0.0653322    total: 26.1s  remaining: 38.2s
406: learn: 0.0652160    total: 26.2s  remaining: 38.2s

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407: learn: 0.0651040    total: 26.3s  remaining: 38.1s
408: learn: 0.0650271    total: 26.3s  remaining: 38s
409: learn: 0.0650133    total: 26.4s  remaining: 38s
410: learn: 0.0648975    total: 26.4s  remaining: 37.9s
411: learn: 0.0647313    total: 26.5s  remaining: 37.8s
412: learn: 0.0646571    total: 26.5s  remaining: 37.6s
413: learn: 0.0645322    total: 26.6s  remaining: 37.6s
414: learn: 0.0644762    total: 26.6s  remaining: 37.5s
415: learn: 0.0644606    total: 26.7s  remaining: 37.5s
416: learn: 0.0644328    total: 26.7s  remaining: 37.4s
417: learn: 0.0643534    total: 26.8s  remaining: 37.4s
418: learn: 0.0642849    total: 26.9s  remaining: 37.4s
419: learn: 0.0641594    total: 27s    remaining: 37.3s
420: learn: 0.0641316    total: 27.2s  remaining: 37.4s
421: learn: 0.0641192    total: 27.2s  remaining: 37.3s
422: learn: 0.0639716    total: 27.4s  remaining: 37.4s
423: learn: 0.0639615    total: 27.5s  remaining: 37.4s
424: learn: 0.0638670    total: 27.6s  remaining: 37.4s
425: learn: 0.0638550    total: 27.8s  remaining: 37.4s
426: learn: 0.0637053    total: 27.8s  remaining: 37.3s
427: learn: 0.0635889    total: 27.8s  remaining: 37.2s
428: learn: 0.0634853    total: 27.9s  remaining: 37.1s
429: learn: 0.0634675    total: 27.9s  remaining: 37s
430: learn: 0.0633069    total: 27.9s  remaining: 36.9s
431: learn: 0.0632970    total: 28s    remaining: 36.8s
432: learn: 0.0632874    total: 28.1s  remaining: 36.7s
433: learn: 0.0632780    total: 28.1s  remaining: 36.6s
434: learn: 0.0631315    total: 28.2s  remaining: 36.6s
435: learn: 0.0631047    total: 28.2s  remaining: 36.5s
436: learn: 0.0630918    total: 28.3s  remaining: 36.4s
437: learn: 0.0630032    total: 28.3s  remaining: 36.4s
438: learn: 0.0628954    total: 28.6s  remaining: 36.5s
439: learn: 0.0628071    total: 28.6s  remaining: 36.3s
440: learn: 0.0627944    total: 28.6s  remaining: 36.2s
441: learn: 0.0626761    total: 28.7s  remaining: 36.2s
442: learn: 0.0625422    total: 28.7s  remaining: 36.1s
443: learn: 0.0624075    total: 28.9s  remaining: 36.3s
444: learn: 0.0623976    total: 29s    remaining: 36.2s
445: learn: 0.0623858    total: 29s    remaining: 36.1s
446: learn: 0.0623749    total: 29.1s  remaining: 36s
447: learn: 0.0622420    total: 29.2s  remaining: 36s
448: learn: 0.0620757    total: 29.4s  remaining: 36s
449: learn: 0.0620678    total: 29.4s  remaining: 36s
450: learn: 0.0619353    total: 29.6s  remaining: 36s
451: learn: 0.0619243    total: 29.7s  remaining: 36s
452: learn: 0.0617852    total: 29.8s  remaining: 36s
453: learn: 0.0617085    total: 30s    remaining: 36.1s
454: learn: 0.0616356    total: 30.1s  remaining: 36s
455: learn: 0.0615647    total: 30.3s  remaining: 36.1s
456: learn: 0.0614870    total: 30.3s  remaining: 36s
457: learn: 0.0613883    total: 30.4s  remaining: 35.9s
458: learn: 0.0612548    total: 30.5s  remaining: 36s
459: learn: 0.0612442    total: 30.7s  remaining: 36s
460: learn: 0.0612339    total: 30.7s  remaining: 35.9s
461: learn: 0.0611254    total: 30.8s  remaining: 35.9s
462: learn: 0.0610286    total: 30.9s  remaining: 35.9s
463: learn: 0.0610213    total: 31.1s  remaining: 36s
464: learn: 0.0608919    total: 31.3s  remaining: 36s
465: learn: 0.0608852    total: 31.3s  remaining: 35.9s
466: learn: 0.0608524    total: 31.4s  remaining: 35.8s
467: learn: 0.0607805    total: 31.6s  remaining: 35.9s
468: learn: 0.0607702    total: 31.6s  remaining: 35.8s
469: learn: 0.0606599    total: 31.7s  remaining: 35.7s
470: learn: 0.0605222    total: 31.8s  remaining: 35.8s

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471: learn: 0.0604738    total: 31.9s  remaining: 35.7s
472: learn: 0.0603747    total: 32s   remaining: 35.6s
473: learn: 0.0603455    total: 32s   remaining: 35.5s
474: learn: 0.0602553    total: 32.1s  remaining: 35.5s
475: learn: 0.0601379    total: 32.2s  remaining: 35.4s
476: learn: 0.0600620    total: 32.2s  remaining: 35.3s
477: learn: 0.0599086    total: 32.3s  remaining: 35.2s
478: learn: 0.0597555    total: 32.3s  remaining: 35.1s
479: learn: 0.0596672    total: 32.4s  remaining: 35.1s
480: learn: 0.0596032    total: 32.5s  remaining: 35s
481: learn: 0.0594703    total: 32.6s  remaining: 35s
482: learn: 0.0594065    total: 32.7s  remaining: 35s
483: learn: 0.0593105    total: 32.8s  remaining: 34.9s
484: learn: 0.0592868    total: 32.8s  remaining: 34.9s
485: learn: 0.0592225    total: 32.9s  remaining: 34.8s
486: learn: 0.0592132    total: 32.9s  remaining: 34.6s
487: learn: 0.0591556    total: 33s   remaining: 34.6s
488: learn: 0.0591456    total: 33.1s  remaining: 34.6s
489: learn: 0.0591352    total: 33.2s  remaining: 34.5s
490: learn: 0.0590256    total: 33.3s  remaining: 34.5s
491: learn: 0.0589963    total: 33.3s  remaining: 34.4s
492: learn: 0.0589029    total: 33.4s  remaining: 34.3s
493: learn: 0.0587734    total: 33.5s  remaining: 34.4s
494: learn: 0.0586778    total: 33.6s  remaining: 34.2s
495: learn: 0.0585305    total: 33.8s  remaining: 34.3s
496: learn: 0.0584595    total: 33.8s  remaining: 34.2s
497: learn: 0.0583905    total: 34s   remaining: 34.3s
498: learn: 0.0583466    total: 34s   remaining: 34.2s
499: learn: 0.0581874    total: 34.1s  remaining: 34.1s
500: learn: 0.0580665    total: 34.1s  remaining: 34s
501: learn: 0.0580324    total: 34.1s  remaining: 33.9s
502: learn: 0.0578891    total: 34.2s  remaining: 33.8s
503: learn: 0.0578165    total: 34.3s  remaining: 33.7s
504: learn: 0.0578104    total: 34.4s  remaining: 33.7s
505: learn: 0.0578020    total: 34.4s  remaining: 33.6s
506: learn: 0.0576517    total: 34.5s  remaining: 33.5s
507: learn: 0.0575804    total: 34.5s  remaining: 33.4s
508: learn: 0.0574615    total: 34.5s  remaining: 33.3s
509: learn: 0.0574113    total: 34.6s  remaining: 33.3s
510: learn: 0.0573099    total: 34.6s  remaining: 33.1s
511: learn: 0.0572217    total: 34.7s  remaining: 33.1s
512: learn: 0.0571401    total: 35.1s  remaining: 33.3s
513: learn: 0.0570894    total: 35.2s  remaining: 33.3s
514: learn: 0.0569872    total: 35.3s  remaining: 33.3s
515: learn: 0.0568236    total: 35.3s  remaining: 33.1s
516: learn: 0.0566652    total: 35.4s  remaining: 33.1s
517: learn: 0.0565444    total: 35.5s  remaining: 33s
518: learn: 0.0564746    total: 35.5s  remaining: 32.9s
519: learn: 0.0563251    total: 35.6s  remaining: 32.9s
520: learn: 0.0562287    total: 35.6s  remaining: 32.8s
521: learn: 0.0561306    total: 35.7s  remaining: 32.7s
522: learn: 0.0560203    total: 35.8s  remaining: 32.7s
523: learn: 0.0559439    total: 35.8s  remaining: 32.5s
524: learn: 0.0559288    total: 35.8s  remaining: 32.4s
525: learn: 0.0558415    total: 35.9s  remaining: 32.4s
526: learn: 0.0557705    total: 35.9s  remaining: 32.3s
527: learn: 0.0556725    total: 36s   remaining: 32.2s
528: learn: 0.0556085    total: 36.1s  remaining: 32.2s
529: learn: 0.0555083    total: 36.3s  remaining: 32.2s
530: learn: 0.0554309    total: 36.3s  remaining: 32.1s
531: learn: 0.0553457    total: 36.4s  remaining: 32s
532: learn: 0.0552676    total: 36.4s  remaining: 31.9s
531: learn: 0.0525959    total: 30.1s  remaining: 26.5s
532: learn: 0.0525354    total: 30.2s  remaining: 26.5s

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533: learn: 0.0525184    total: 30.3s  remaining: 26.4s
534: learn: 0.0525139    total: 30.5s  remaining: 26.5s
535: learn: 0.0524482    total: 30.7s  remaining: 26.5s
536: learn: 0.0523954    total: 30.7s  remaining: 26.5s
537: learn: 0.0522856    total: 30.7s  remaining: 26.4s
538: learn: 0.0521998    total: 30.9s  remaining: 26.4s
539: learn: 0.0520824    total: 30.9s  remaining: 26.3s
540: learn: 0.0520759    total: 31s    remaining: 26.3s
541: learn: 0.0519807    total: 31.1s  remaining: 26.3s
542: learn: 0.0518920    total: 31.2s  remaining: 26.3s
543: learn: 0.0518405    total: 31.3s  remaining: 26.2s
544: learn: 0.0517591    total: 31.5s  remaining: 26.3s
545: learn: 0.0517231    total: 31.6s  remaining: 26.2s
546: learn: 0.0516557    total: 31.6s  remaining: 26.2s
547: learn: 0.0515735    total: 31.8s  remaining: 26.2s
548: learn: 0.0514681    total: 31.8s  remaining: 26.2s
549: learn: 0.0513850    total: 31.9s  remaining: 26.1s
550: learn: 0.0513678    total: 31.9s  remaining: 26s
551: learn: 0.0512393    total: 31.9s  remaining: 25.9s
552: learn: 0.0511420    total: 31.9s  remaining: 25.8s
553: learn: 0.0510696    total: 32.1s  remaining: 25.8s
554: learn: 0.0510412    total: 32.1s  remaining: 25.8s
555: learn: 0.0509413    total: 32.2s  remaining: 25.7s
556: learn: 0.0508687    total: 32.2s  remaining: 25.6s
557: learn: 0.0507842    total: 32.2s  remaining: 25.5s
558: learn: 0.0506816    total: 32.3s  remaining: 25.4s
559: learn: 0.0505619    total: 32.3s  remaining: 25.4s
560: learn: 0.0504846    total: 32.4s  remaining: 25.4s
561: learn: 0.0504467    total: 32.4s  remaining: 25.3s
562: learn: 0.0503464    total: 32.5s  remaining: 25.2s
563: learn: 0.0502810    total: 32.5s  remaining: 25.1s
564: learn: 0.0501983    total: 32.5s  remaining: 25s
565: learn: 0.0501357    total: 32.5s  remaining: 25s
566: learn: 0.0500627    total: 32.6s  remaining: 24.9s
567: learn: 0.0499802    total: 32.6s  remaining: 24.8s
568: learn: 0.0499138    total: 32.7s  remaining: 24.8s
569: learn: 0.0498409    total: 32.8s  remaining: 24.8s
570: learn: 0.0498124    total: 33s    remaining: 24.8s
571: learn: 0.0497443    total: 33.1s  remaining: 24.8s
572: learn: 0.0497366    total: 33.2s  remaining: 24.8s
573: learn: 0.0496629    total: 33.2s  remaining: 24.7s
574: learn: 0.0495715    total: 33.3s  remaining: 24.6s
575: learn: 0.0494921    total: 33.4s  remaining: 24.6s
576: learn: 0.0494409    total: 33.5s  remaining: 24.5s
577: learn: 0.0493668    total: 33.5s  remaining: 24.5s
578: learn: 0.0493236    total: 33.6s  remaining: 24.4s
579: learn: 0.0492376    total: 33.7s  remaining: 24.4s
580: learn: 0.0491886    total: 33.8s  remaining: 24.3s
581: learn: 0.0491351    total: 33.8s  remaining: 24.3s
582: learn: 0.0490992    total: 33.8s  remaining: 24.2s
583: learn: 0.0490688    total: 33.9s  remaining: 24.2s
584: learn: 0.0490611    total: 34s    remaining: 24.1s
585: learn: 0.0489599    total: 34.1s  remaining: 24.1s
586: learn: 0.0488640    total: 34.2s  remaining: 24.1s
587: learn: 0.0488062    total: 34.2s  remaining: 24s
588: learn: 0.0487173    total: 34.3s  remaining: 23.9s
589: learn: 0.0486185    total: 34.3s  remaining: 23.9s
590: learn: 0.0485814    total: 34.4s  remaining: 23.8s
591: learn: 0.0485484    total: 34.4s  remaining: 23.7s
592: learn: 0.0485403    total: 34.5s  remaining: 23.6s
593: learn: 0.0484420    total: 34.5s  remaining: 23.6s
594: learn: 0.0483415    total: 34.5s  remaining: 23.5s
595: learn: 0.0482377    total: 34.5s  remaining: 23.4s
596: learn: 0.0481605    total: 34.6s  remaining: 23.3s

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597:	learn: 0.0481103	total: 34.7s	remaining: 23.3s
598:	learn: 0.0480480	total: 34.8s	remaining: 23.3s
599:	learn: 0.0479663	total: 34.8s	remaining: 23.2s
600:	learn: 0.0478816	total: 34.8s	remaining: 23.1s
601:	learn: 0.0477993	total: 34.9s	remaining: 23s
602:	learn: 0.0477622	total: 35s	remaining: 23.1s
603:	learn: 0.0477321	total: 35.1s	remaining: 23s
604:	learn: 0.0477160	total: 35.3s	remaining: 23s
605:	learn: 0.0476557	total: 35.3s	remaining: 23s
606:	learn: 0.0476003	total: 35.4s	remaining: 22.9s
607:	learn: 0.0475534	total: 35.5s	remaining: 22.9s
608:	learn: 0.0475062	total: 35.6s	remaining: 22.8s
609:	learn: 0.0474210	total: 35.7s	remaining: 22.8s
610:	learn: 0.0474146	total: 35.8s	remaining: 22.8s
611:	learn: 0.0473701	total: 35.9s	remaining: 22.8s
612:	learn: 0.0472693	total: 36s	remaining: 22.7s
613:	learn: 0.0471865	total: 36.1s	remaining: 22.7s
614:	learn: 0.0471528	total: 36.2s	remaining: 22.6s
615:	learn: 0.0470706	total: 36.2s	remaining: 22.6s
616:	learn: 0.0470114	total: 36.3s	remaining: 22.5s
617:	learn: 0.0469664	total: 36.4s	remaining: 22.5s
618:	learn: 0.0469485	total: 36.5s	remaining: 22.5s
619:	learn: 0.0468811	total: 36.7s	remaining: 22.5s
620:	learn: 0.0468045	total: 36.8s	remaining: 22.5s
621:	learn: 0.0467323	total: 36.9s	remaining: 22.4s
622:	learn: 0.0466901	total: 36.9s	remaining: 22.3s
623:	learn: 0.0466342	total: 37s	remaining: 22.3s
624:	learn: 0.0466302	total: 37.1s	remaining: 22.2s
625:	learn: 0.0465835	total: 37.1s	remaining: 22.2s
626:	learn: 0.0465073	total: 37.1s	remaining: 22.1s
627:	learn: 0.0464481	total: 37.3s	remaining: 22.1s
628:	learn: 0.0463626	total: 37.5s	remaining: 22.1s
629:	learn: 0.0462982	total: 37.5s	remaining: 22s
630:	learn: 0.0462559	total: 37.6s	remaining: 22s
631:	learn: 0.0461853	total: 37.8s	remaining: 22s
632:	learn: 0.0461176	total: 38.1s	remaining: 22.1s
633:	learn: 0.0460582	total: 38.3s	remaining: 22.1s
634:	learn: 0.0459953	total: 38.4s	remaining: 22.1s
635:	learn: 0.0459576	total: 38.5s	remaining: 22s
636:	learn: 0.0458807	total: 38.6s	remaining: 22s
637:	learn: 0.0457722	total: 38.7s	remaining: 22s
638:	learn: 0.0456987	total: 38.7s	remaining: 21.9s
639:	learn: 0.0456125	total: 38.8s	remaining: 21.8s
640:	learn: 0.0455609	total: 38.9s	remaining: 21.8s
641:	learn: 0.0454931	total: 38.9s	remaining: 21.7s
642:	learn: 0.0454318	total: 39s	remaining: 21.6s
643:	learn: 0.0453538	total: 39s	remaining: 21.6s
644:	learn: 0.0452921	total: 39.1s	remaining: 21.5s
645:	learn: 0.0452071	total: 39.1s	remaining: 21.4s
646:	learn: 0.0451980	total: 39.1s	remaining: 21.3s
647:	learn: 0.0451307	total: 39.1s	remaining: 21.3s
648:	learn: 0.0451261	total: 39.2s	remaining: 21.2s
649:	learn: 0.0450424	total: 39.2s	remaining: 21.1s
650:	learn: 0.0449631	total: 39.3s	remaining: 21s
651:	learn: 0.0448866	total: 39.4s	remaining: 21s
652:	learn: 0.0447973	total: 39.4s	remaining: 20.9s
653:	learn: 0.0447252	total: 39.5s	remaining: 20.9s
654:	learn: 0.0446479	total: 39.5s	remaining: 20.8s
655:	learn: 0.0445825	total: 39.6s	remaining: 20.7s
656:	learn: 0.0445169	total: 39.6s	remaining: 20.7s
657:	learn: 0.0444969	total: 39.7s	remaining: 20.7s
658:	learn: 0.0444350	total: 39.8s	remaining: 20.6s
659:	learn: 0.0443537	total: 39.8s	remaining: 20.5s
660:	learn: 0.0443276	total: 39.8s	remaining: 20.4s

```
661: learn: 0.0442811      total: 39.9s  remaining: 20.4s
662: learn: 0.0442369      total: 39.9s  remaining: 20.3s
663: learn: 0.0441890      total: 40.1s  remaining: 20.3s
664: learn: 0.0441211      total: 40.2s  remaining: 20.2s
665: learn: 0.0440540      total: 40.3s  remaining: 20.2s
666: learn: 0.0440380      total: 40.3s  remaining: 20.1s
667: learn: 0.0439548      total: 40.5s  remaining: 20.2s
668: learn: 0.0439306      total: 40.6s  remaining: 20.1s
669: learn: 0.0438562      total: 40.6s  remaining: 20s
670: learn: 0.0437887      total: 40.7s  remaining: 20s
671: learn: 0.0437240      total: 40.8s  remaining: 19.9s
672: learn: 0.0437012      total: 40.9s  remaining: 19.9s
673: learn: 0.0436300      total: 40.9s  remaining: 19.8s
674: learn: 0.0435555      total: 40.9s  remaining: 19.7s
675: learn: 0.0434955      total: 40.9s  remaining: 19.6s
676: learn: 0.0434523      total: 41s    remaining: 19.6s
677: learn: 0.0434148      total: 41.1s  remaining: 19.5s
678: learn: 0.0433239      total: 41.1s  remaining: 19.4s
679: learn: 0.0432775      total: 41.1s  remaining: 19.4s
680: learn: 0.0431987      total: 41.1s  remaining: 19.3s
681: learn: 0.0431303      total: 41.2s  remaining: 19.2s
682: learn: 0.0430443      total: 41.2s  remaining: 19.1s
683: learn: 0.0429986      total: 41.3s  remaining: 19.1s
684: learn: 0.0429086      total: 41.4s  remaining: 19s
685: learn: 0.0428589      total: 41.4s  remaining: 18.9s
686: learn: 0.0428180      total: 41.4s  remaining: 18.9s
687: learn: 0.0428069      total: 41.5s  remaining: 18.8s
688: learn: 0.0427691      total: 41.5s  remaining: 18.7s

/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
```

```

531: learn: 0.0558480    total: 32.6s  remaining: 28.6s
532: learn: 0.0557807    total: 32.6s  remaining: 28.6s
533: learn: 0.0557133    total: 32.8s  remaining: 28.6s
534: learn: 0.0556617    total: 32.8s  remaining: 28.5s
535: learn: 0.0555533    total: 32.9s  remaining: 28.5s
536: learn: 0.0554720    total: 33s    remaining: 28.5s
537: learn: 0.0553921    total: 33.1s  remaining: 28.4s
538: learn: 0.0553069    total: 33.2s  remaining: 28.4s
539: learn: 0.0552055    total: 33.2s  remaining: 28.3s
540: learn: 0.0550851    total: 33.3s  remaining: 28.2s
541: learn: 0.0549700    total: 33.3s  remaining: 28.2s
542: learn: 0.0548476    total: 33.4s  remaining: 28.1s
543: learn: 0.0547732    total: 33.5s  remaining: 28.1s
544: learn: 0.0546730    total: 33.5s  remaining: 28s
545: learn: 0.0545819    total: 33.5s  remaining: 27.9s
546: learn: 0.0544995    total: 33.6s  remaining: 27.8s
547: learn: 0.0544132    total: 33.6s  remaining: 27.7s
548: learn: 0.0543317    total: 33.6s  remaining: 27.6s
549: learn: 0.0542332    total: 33.6s  remaining: 27.5s
550: learn: 0.0541477    total: 33.7s  remaining: 27.4s
551: learn: 0.0540153    total: 33.7s  remaining: 27.3s
552: learn: 0.0538852    total: 33.8s  remaining: 27.3s
553: learn: 0.0537961    total: 34.1s  remaining: 27.4s
554: learn: 0.0537004    total: 34.2s  remaining: 27.4s
555: learn: 0.0536186    total: 34.2s  remaining: 27.3s
556: learn: 0.0535269    total: 34.3s  remaining: 27.3s
557: learn: 0.0534487    total: 34.4s  remaining: 27.2s
558: learn: 0.0533321    total: 34.4s  remaining: 27.2s
559: learn: 0.0532899    total: 34.5s  remaining: 27.1s
560: learn: 0.0532324    total: 34.5s  remaining: 27s
561: learn: 0.0531494    total: 34.6s  remaining: 27s
562: learn: 0.0530620    total: 34.7s  remaining: 26.9s
563: learn: 0.0529386    total: 34.8s  remaining: 26.9s
564: learn: 0.0528331    total: 34.9s  remaining: 26.9s
565: learn: 0.0527592    total: 35s    remaining: 26.8s
566: learn: 0.0526963    total: 35.2s  remaining: 26.9s
567: learn: 0.0526516    total: 35.3s  remaining: 26.8s
568: learn: 0.0525733    total: 35.4s  remaining: 26.8s
569: learn: 0.0524811    total: 35.4s  remaining: 26.7s
570: learn: 0.0524491    total: 35.5s  remaining: 26.7s
571: learn: 0.0523860    total: 35.6s  remaining: 26.6s
572: learn: 0.0523130    total: 35.6s  remaining: 26.5s
573: learn: 0.0522763    total: 35.6s  remaining: 26.4s
574: learn: 0.0521485    total: 35.7s  remaining: 26.4s
575: learn: 0.0520673    total: 35.7s  remaining: 26.3s
576: learn: 0.0519843    total: 35.8s  remaining: 26.3s
577: learn: 0.0518799    total: 35.9s  remaining: 26.2s
578: learn: 0.0518678    total: 35.9s  remaining: 26.1s
579: learn: 0.0518358    total: 36s    remaining: 26s
580: learn: 0.0517761    total: 36.2s  remaining: 26.1s
581: learn: 0.0517631    total: 36.2s  remaining: 26s
582: learn: 0.0517029    total: 36.2s  remaining: 25.9s
583: learn: 0.0515840    total: 36.3s  remaining: 25.9s
584: learn: 0.0514850    total: 36.4s  remaining: 25.8s
585: learn: 0.0514151    total: 36.5s  remaining: 25.8s
586: learn: 0.0513055    total: 36.5s  remaining: 25.7s
587: learn: 0.0511859    total: 36.6s  remaining: 25.6s
588: learn: 0.0511630    total: 36.7s  remaining: 25.6s
589: learn: 0.0510913    total: 36.7s  remaining: 25.5s
590: learn: 0.0509853    total: 36.8s  remaining: 25.5s
591: learn: 0.0508872    total: 36.9s  remaining: 25.4s
592: learn: 0.0508796    total: 36.9s  remaining: 25.3s
593: learn: 0.0507833    total: 37s    remaining: 25.3s
594: learn: 0.0506927    total: 37.1s  remaining: 25.2s

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595: learn: 0.0506162    total: 37.3s  remaining: 25.3s
596: learn: 0.0505925    total: 37.5s  remaining: 25.3s
597: learn: 0.0504871    total: 37.6s  remaining: 25.3s
598: learn: 0.0504731    total: 37.7s  remaining: 25.2s
599: learn: 0.0504080    total: 37.8s  remaining: 25.2s
600: learn: 0.0503442    total: 38.5s  remaining: 25.5s
601: learn: 0.0503375    total: 38.6s  remaining: 25.5s
602: learn: 0.0502305    total: 38.6s  remaining: 25.4s
603: learn: 0.0502197    total: 38.6s  remaining: 25.3s
604: learn: 0.0500855    total: 38.8s  remaining: 25.3s
605: learn: 0.0500302    total: 38.8s  remaining: 25.2s
606: learn: 0.0500092    total: 38.9s  remaining: 25.2s
607: learn: 0.0499330    total: 38.9s  remaining: 25.1s
608: learn: 0.0498616    total: 38.9s  remaining: 25s
609: learn: 0.0497948    total: 38.9s  remaining: 24.9s
610: learn: 0.0497055    total: 39s   remaining: 24.8s
611: learn: 0.0496550    total: 39s   remaining: 24.7s
612: learn: 0.0496083    total: 39s   remaining: 24.6s
613: learn: 0.0495462    total: 39s   remaining: 24.5s
614: learn: 0.0494878    total: 39.1s  remaining: 24.4s
615: learn: 0.0494254    total: 39.1s  remaining: 24.4s
616: learn: 0.0493302    total: 39.2s  remaining: 24.3s
617: learn: 0.0492791    total: 39.2s  remaining: 24.2s
618: learn: 0.0491814    total: 39.2s  remaining: 24.1s
619: learn: 0.0490965    total: 39.2s  remaining: 24s
620: learn: 0.0490153    total: 39.3s  remaining: 24s
621: learn: 0.0489304    total: 39.3s  remaining: 23.9s
622: learn: 0.0489238    total: 39.4s  remaining: 23.8s
623: learn: 0.0488318    total: 39.4s  remaining: 23.7s
624: learn: 0.0487485    total: 39.5s  remaining: 23.7s
625: learn: 0.0486421    total: 39.5s  remaining: 23.6s
626: learn: 0.0485988    total: 39.5s  remaining: 23.5s
627: learn: 0.0484954    total: 39.6s  remaining: 23.4s
628: learn: 0.0484699    total: 39.6s  remaining: 23.3s
629: learn: 0.0483870    total: 39.6s  remaining: 23.2s
630: learn: 0.0483040    total: 39.6s  remaining: 23.1s
631: learn: 0.0482950    total: 39.6s  remaining: 23.1s
632: learn: 0.0482252    total: 39.6s  remaining: 23s
633: learn: 0.0482163    total: 39.6s  remaining: 22.9s
634: learn: 0.0480953    total: 39.6s  remaining: 22.8s
635: learn: 0.0480473    total: 39.6s  remaining: 22.7s
636: learn: 0.0479528    total: 39.7s  remaining: 22.6s
637: learn: 0.0478648    total: 39.8s  remaining: 22.6s
638: learn: 0.0477852    total: 39.8s  remaining: 22.5s
639: learn: 0.0477015    total: 39.8s  remaining: 22.4s
640: learn: 0.0476445    total: 39.8s  remaining: 22.3s
641: learn: 0.0475504    total: 40s   remaining: 22.3s
642: learn: 0.0475122    total: 40s   remaining: 22.2s
643: learn: 0.0474647    total: 40.3s  remaining: 22.3s
644: learn: 0.0474056    total: 40.3s  remaining: 22.2s
645: learn: 0.0473624    total: 40.4s  remaining: 22.1s
646: learn: 0.0472792    total: 40.5s  remaining: 22.1s
647: learn: 0.0472322    total: 40.5s  remaining: 22s
648: learn: 0.0471943    total: 40.6s  remaining: 22s
649: learn: 0.0471215    total: 40.6s  remaining: 21.9s
650: learn: 0.0471061    total: 40.7s  remaining: 21.8s
651: learn: 0.0470280    total: 40.8s  remaining: 21.8s
652: learn: 0.0469671    total: 40.9s  remaining: 21.7s
653: learn: 0.0469097    total: 41s   remaining: 21.7s
654: learn: 0.0469007    total: 41.2s  remaining: 21.7s
655: learn: 0.0468572    total: 41.3s  remaining: 21.6s
656: learn: 0.0467897    total: 41.3s  remaining: 21.6s
657: learn: 0.0467463    total: 41.3s  remaining: 21.5s
658: learn: 0.0466909    total: 41.3s  remaining: 21.4s

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659: learn: 0.0466147    total: 41.5s  remaining: 21.4s
660: learn: 0.0465463    total: 41.6s  remaining: 21.3s
661: learn: 0.0464641    total: 41.8s  remaining: 21.3s
662: learn: 0.0464582    total: 41.8s  remaining: 21.2s
663: learn: 0.0464192    total: 41.9s  remaining: 21.2s
664: learn: 0.0463719    total: 42s    remaining: 21.1s
665: learn: 0.0463138    total: 42s    remaining: 21.1s
666: learn: 0.0463074    total: 42.1s  remaining: 21s
667: learn: 0.0462256    total: 42.2s  remaining: 21s
668: learn: 0.0461962    total: 42.2s  remaining: 20.9s
669: learn: 0.0461818    total: 42.3s  remaining: 20.8s
670: learn: 0.0461290    total: 42.4s  remaining: 20.8s
671: learn: 0.0460794    total: 42.4s  remaining: 20.7s
672: learn: 0.0460141    total: 42.5s  remaining: 20.6s
673: learn: 0.0459301    total: 42.6s  remaining: 20.6s
674: learn: 0.0458712    total: 42.6s  remaining: 20.5s
675: learn: 0.0458377    total: 42.6s  remaining: 20.4s
676: learn: 0.0457702    total: 42.7s  remaining: 20.4s
677: learn: 0.0456905    total: 42.7s  remaining: 20.3s
678: learn: 0.0455998    total: 42.7s  remaining: 20.2s
679: learn: 0.0455347    total: 42.8s  remaining: 20.1s
680: learn: 0.0454386    total: 42.8s  remaining: 20s
681: learn: 0.0453493    total: 42.8s  remaining: 20s
682: learn: 0.0452929    total: 42.9s  remaining: 19.9s
683: learn: 0.0452372    total: 42.9s  remaining: 19.8s
684: learn: 0.0452134    total: 42.9s  remaining: 19.7s
685: learn: 0.0451518    total: 42.9s  remaining: 19.7s
686: learn: 0.0451131    total: 43s    remaining: 19.6s
687: learn: 0.0450523    total: 43.1s  remaining: 19.5s
688: learn: 0.0449792    total: 43.1s  remaining: 19.5s
534: learn: 0.0522692    total: 33.3s  remaining: 28.9s
535: learn: 0.0522131    total: 33.3s  remaining: 28.8s
536: learn: 0.0521269    total: 33.4s  remaining: 28.8s
537: learn: 0.0520291    total: 33.4s  remaining: 28.7s
538: learn: 0.0520181    total: 33.5s  remaining: 28.7s
539: learn: 0.0519577    total: 33.7s  remaining: 28.7s
540: learn: 0.0518345    total: 33.7s  remaining: 28.6s
541: learn: 0.0517546    total: 33.8s  remaining: 28.6s
542: learn: 0.0517296    total: 33.8s  remaining: 28.4s
543: learn: 0.0516306    total: 33.8s  remaining: 28.3s
544: learn: 0.0515622    total: 33.9s  remaining: 28.3s
545: learn: 0.0514961    total: 34s    remaining: 28.3s
546: learn: 0.0513995    total: 34.1s  remaining: 28.2s
547: learn: 0.0513271    total: 34.2s  remaining: 28.2s
548: learn: 0.0512444    total: 34.2s  remaining: 28.1s
549: learn: 0.0511569    total: 34.3s  remaining: 28s
550: learn: 0.0510928    total: 34.3s  remaining: 28s
551: learn: 0.0509909    total: 34.4s  remaining: 27.9s
552: learn: 0.0509087    total: 34.4s  remaining: 27.8s
553: learn: 0.0508683    total: 34.5s  remaining: 27.8s
554: learn: 0.0507898    total: 34.5s  remaining: 27.7s
555: learn: 0.0507816    total: 34.6s  remaining: 27.6s
556: learn: 0.0507186    total: 34.6s  remaining: 27.5s
557: learn: 0.0506664    total: 34.7s  remaining: 27.5s
558: learn: 0.0505542    total: 34.8s  remaining: 27.4s
559: learn: 0.0504875    total: 34.8s  remaining: 27.3s
560: learn: 0.0504007    total: 34.9s  remaining: 27.3s
561: learn: 0.0502858    total: 35s    remaining: 27.3s
562: learn: 0.0502655    total: 35s    remaining: 27.2s
563: learn: 0.0501474    total: 35s    remaining: 27.1s
564: learn: 0.0500648    total: 35.1s  remaining: 27s
565: learn: 0.0499750    total: 35.1s  remaining: 26.9s
566: learn: 0.0498556    total: 35.2s  remaining: 26.9s
567: learn: 0.0497354    total: 35.2s  remaining: 26.8s

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568: learn: 0.0496442    total: 35.2s  remaining: 26.7s
569: learn: 0.0495653    total: 35.3s  remaining: 26.6s
570: learn: 0.0495451    total: 35.3s  remaining: 26.6s
571: learn: 0.0494763    total: 35.4s  remaining: 26.5s
572: learn: 0.0493830    total: 35.5s  remaining: 26.5s
573: learn: 0.0493069    total: 35.6s  remaining: 26.5s
574: learn: 0.0492622    total: 35.7s  remaining: 26.4s
575: learn: 0.0491571    total: 35.7s  remaining: 26.3s
576: learn: 0.0490814    total: 35.9s  remaining: 26.3s
577: learn: 0.0490728    total: 36s    remaining: 26.3s
578: learn: 0.0489929    total: 36.2s  remaining: 26.3s
579: learn: 0.0489072    total: 36.3s  remaining: 26.3s
580: learn: 0.0488333    total: 36.5s  remaining: 26.3s
581: learn: 0.0487073    total: 36.6s  remaining: 26.3s
582: learn: 0.0486599    total: 36.7s  remaining: 26.2s
583: learn: 0.0485729    total: 36.8s  remaining: 26.2s
584: learn: 0.0484927    total: 37s    remaining: 26.3s
585: learn: 0.0483976    total: 37.1s  remaining: 26.2s
586: learn: 0.0483119    total: 37.2s  remaining: 26.2s
587: learn: 0.0481864    total: 37.3s  remaining: 26.1s
588: learn: 0.0480868    total: 37.4s  remaining: 26.1s
589: learn: 0.0479739    total: 37.4s  remaining: 26s
590: learn: 0.0478899    total: 37.5s  remaining: 26s
591: learn: 0.0478210    total: 37.6s  remaining: 25.9s
592: learn: 0.0477459    total: 37.7s  remaining: 25.9s
593: learn: 0.0476879    total: 37.7s  remaining: 25.8s
594: learn: 0.0475987    total: 37.9s  remaining: 25.8s
595: learn: 0.0474830    total: 38s    remaining: 25.8s
596: learn: 0.0474341    total: 38.1s  remaining: 25.7s
597: learn: 0.0474014    total: 38.1s  remaining: 25.6s
598: learn: 0.0473261    total: 38.2s  remaining: 25.6s
599: learn: 0.0471999    total: 38.3s  remaining: 25.5s
600: learn: 0.0471034    total: 38.4s  remaining: 25.5s
601: learn: 0.0470129    total: 38.4s  remaining: 25.4s
602: learn: 0.0469221    total: 38.5s  remaining: 25.3s
603: learn: 0.0468975    total: 38.5s  remaining: 25.2s
604: learn: 0.0468305    total: 38.6s  remaining: 25.2s
605: learn: 0.0467976    total: 38.6s  remaining: 25.1s
606: learn: 0.0467064    total: 38.7s  remaining: 25s
607: learn: 0.0466994    total: 38.7s  remaining: 24.9s
608: learn: 0.0466097    total: 38.7s  remaining: 24.9s
609: learn: 0.0465587    total: 38.8s  remaining: 24.8s
610: learn: 0.0464838    total: 38.8s  remaining: 24.7s
611: learn: 0.0464762    total: 38.9s  remaining: 24.6s
612: learn: 0.0463935    total: 38.9s  remaining: 24.6s
613: learn: 0.0463240    total: 38.9s  remaining: 24.5s
614: learn: 0.0462365    total: 39s    remaining: 24.4s
615: learn: 0.0461701    total: 39s    remaining: 24.3s
616: learn: 0.0461546    total: 39s    remaining: 24.2s
617: learn: 0.0460754    total: 39s    remaining: 24.1s
618: learn: 0.0459738    total: 39.1s  remaining: 24.1s
619: learn: 0.0459513    total: 39.2s  remaining: 24s
620: learn: 0.0458499    total: 39.2s  remaining: 23.9s
621: learn: 0.0457839    total: 39.2s  remaining: 23.8s
622: learn: 0.0456923    total: 39.3s  remaining: 23.8s
623: learn: 0.0456838    total: 39.3s  remaining: 23.7s
624: learn: 0.0456762    total: 39.3s  remaining: 23.6s
625: learn: 0.0455996    total: 39.3s  remaining: 23.5s
626: learn: 0.0455124    total: 39.4s  remaining: 23.4s
627: learn: 0.0454122    total: 39.4s  remaining: 23.4s
628: learn: 0.0452940    total: 39.5s  remaining: 23.3s
629: learn: 0.0452827    total: 39.5s  remaining: 23.2s
630: learn: 0.0452045    total: 39.6s  remaining: 23.1s
631: learn: 0.0451173    total: 39.6s  remaining: 23.1s

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632:	learn: 0.0450314	total: 39.7s	remaining: 23s
633:	learn: 0.0450128	total: 39.7s	remaining: 22.9s
634:	learn: 0.0449636	total: 39.8s	remaining: 22.9s
635:	learn: 0.0448767	total: 39.8s	remaining: 22.8s
636:	learn: 0.0447993	total: 39.8s	remaining: 22.7s
637:	learn: 0.0447144	total: 40.1s	remaining: 22.7s
638:	learn: 0.0446342	total: 40.2s	remaining: 22.7s
639:	learn: 0.0445612	total: 40.2s	remaining: 22.6s
640:	learn: 0.0445530	total: 40.3s	remaining: 22.6s
641:	learn: 0.0444948	total: 40.3s	remaining: 22.5s
642:	learn: 0.0444031	total: 40.4s	remaining: 22.4s
643:	learn: 0.0443308	total: 40.4s	remaining: 22.3s
644:	learn: 0.0442490	total: 40.4s	remaining: 22.3s
645:	learn: 0.0441797	total: 40.5s	remaining: 22.2s
646:	learn: 0.0441237	total: 40.5s	remaining: 22.1s
647:	learn: 0.0440366	total: 40.6s	remaining: 22s
648:	learn: 0.0439541	total: 40.7s	remaining: 22s
649:	learn: 0.0438850	total: 40.7s	remaining: 21.9s
650:	learn: 0.0437949	total: 40.7s	remaining: 21.8s
651:	learn: 0.0437113	total: 40.8s	remaining: 21.8s
652:	learn: 0.0436675	total: 40.9s	remaining: 21.7s
653:	learn: 0.0435795	total: 40.9s	remaining: 21.6s
654:	learn: 0.0435119	total: 41s	remaining: 21.6s
655:	learn: 0.0434417	total: 41s	remaining: 21.5s
656:	learn: 0.0434192	total: 41.1s	remaining: 21.5s
657:	learn: 0.0433622	total: 41.2s	remaining: 21.4s
658:	learn: 0.0432696	total: 41.2s	remaining: 21.3s
659:	learn: 0.0431969	total: 41.3s	remaining: 21.3s
660:	learn: 0.0431373	total: 41.3s	remaining: 21.2s
661:	learn: 0.0431321	total: 41.4s	remaining: 21.1s
662:	learn: 0.0430861	total: 41.4s	remaining: 21s
663:	learn: 0.0430605	total: 41.4s	remaining: 21s
664:	learn: 0.0429888	total: 41.5s	remaining: 20.9s
665:	learn: 0.0429298	total: 41.6s	remaining: 20.9s
666:	learn: 0.0428527	total: 41.6s	remaining: 20.8s
667:	learn: 0.0428462	total: 41.6s	remaining: 20.7s
668:	learn: 0.0427589	total: 41.7s	remaining: 20.6s
669:	learn: 0.0427438	total: 41.7s	remaining: 20.5s
670:	learn: 0.0426379	total: 41.7s	remaining: 20.5s
671:	learn: 0.0425540	total: 41.8s	remaining: 20.4s
672:	learn: 0.0424778	total: 41.9s	remaining: 20.3s
673:	learn: 0.0424229	total: 41.9s	remaining: 20.3s
674:	learn: 0.0423472	total: 42s	remaining: 20.2s
675:	learn: 0.0422936	total: 42s	remaining: 20.1s
676:	learn: 0.0421711	total: 42s	remaining: 20.1s
677:	learn: 0.0421019	total: 42.1s	remaining: 20s
678:	learn: 0.0420342	total: 42.3s	remaining: 20s
679:	learn: 0.0419397	total: 42.3s	remaining: 19.9s
680:	learn: 0.0418774	total: 42.3s	remaining: 19.8s
681:	learn: 0.0418251	total: 42.4s	remaining: 19.8s
682:	learn: 0.0417491	total: 42.5s	remaining: 19.7s
683:	learn: 0.0417447	total: 42.7s	remaining: 19.7s
684:	learn: 0.0416815	total: 42.8s	remaining: 19.7s
685:	learn: 0.0416322	total: 42.8s	remaining: 19.6s
686:	learn: 0.0415750	total: 42.9s	remaining: 19.5s
687:	learn: 0.0415218	total: 42.9s	remaining: 19.5s
688:	learn: 0.0414389	total: 43s	remaining: 19.4s
689:	learn: 0.0413869	total: 43s	remaining: 19.3s
690:	learn: 0.0413228	total: 43s	remaining: 19.2s
691:	learn: 0.0413160	total: 43s	remaining: 19.2s

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(  
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
    warnings.warn(
```

```

476: learn: 0.0643632      total: 28.9s  remaining: 31.6s
477: learn: 0.0642845      total: 28.9s  remaining: 31.6s
478: learn: 0.0642482      total: 29s    remaining: 31.6s
479: learn: 0.0641424      total: 29.2s  remaining: 31.6s
480: learn: 0.0641087      total: 29.3s  remaining: 31.7s
481: learn: 0.0640165      total: 29.4s  remaining: 31.6s
482: learn: 0.0639486      total: 29.4s  remaining: 31.5s
483: learn: 0.0638404      total: 29.5s  remaining: 31.5s
484: learn: 0.0637731      total: 29.6s  remaining: 31.5s
485: learn: 0.0637252      total: 29.7s  remaining: 31.4s
486: learn: 0.0636340      total: 29.7s  remaining: 31.3s
487: learn: 0.0635222      total: 29.8s  remaining: 31.2s
488: learn: 0.0635138      total: 29.9s  remaining: 31.2s
489: learn: 0.0634050      total: 30s    remaining: 31.2s
490: learn: 0.0632869      total: 30.1s  remaining: 31.2s
491: learn: 0.0632287      total: 30.1s  remaining: 31.1s
492: learn: 0.0631972      total: 30.2s  remaining: 31s
493: learn: 0.0630990      total: 30.3s  remaining: 31s
494: learn: 0.0630181      total: 30.4s  remaining: 31s
495: learn: 0.0629146      total: 30.5s  remaining: 31s
496: learn: 0.0627769      total: 30.6s  remaining: 30.9s
497: learn: 0.0627688      total: 30.7s  remaining: 30.9s
498: learn: 0.0626556      total: 30.7s  remaining: 30.8s
499: learn: 0.0625792      total: 30.8s  remaining: 30.8s
500: learn: 0.0625056      total: 30.8s  remaining: 30.7s
501: learn: 0.0623792      total: 30.9s  remaining: 30.6s
502: learn: 0.0622617      total: 31s    remaining: 30.6s
503: learn: 0.0621796      total: 31.1s  remaining: 30.6s
504: learn: 0.0620765      total: 31.2s  remaining: 30.6s
505: learn: 0.0619619      total: 31.2s  remaining: 30.5s
506: learn: 0.0619567      total: 31.3s  remaining: 30.4s
507: learn: 0.0618647      total: 31.3s  remaining: 30.4s
508: learn: 0.0617626      total: 31.4s  remaining: 30.3s
509: learn: 0.0617155      total: 31.4s  remaining: 30.2s
510: learn: 0.0616858      total: 31.6s  remaining: 30.2s
511: learn: 0.0615868      total: 31.6s  remaining: 30.1s
512: learn: 0.0615031      total: 31.9s  remaining: 30.2s
513: learn: 0.0614304      total: 31.9s  remaining: 30.1s
514: learn: 0.0613572      total: 31.9s  remaining: 30.1s
515: learn: 0.0612925      total: 32s    remaining: 30s
516: learn: 0.0612370      total: 32s    remaining: 29.9s
517: learn: 0.0611430      total: 32s    remaining: 29.8s
518: learn: 0.0610664      total: 32.1s  remaining: 29.7s
519: learn: 0.0609759      total: 32.1s  remaining: 29.6s
520: learn: 0.0608775      total: 32.1s  remaining: 29.5s
521: learn: 0.0608203      total: 32.2s  remaining: 29.5s
522: learn: 0.0607134      total: 32.2s  remaining: 29.4s
523: learn: 0.0605854      total: 32.2s  remaining: 29.3s
524: learn: 0.0605048      total: 32.3s  remaining: 29.2s
525: learn: 0.0603758      total: 32.3s  remaining: 29.1s
526: learn: 0.0602880      total: 32.3s  remaining: 29s
527: learn: 0.0602347      total: 32.4s  remaining: 29s
528: learn: 0.0601895      total: 32.4s  remaining: 28.8s
529: learn: 0.0600941      total: 32.4s  remaining: 28.7s
530: learn: 0.0599998      total: 32.5s  remaining: 28.7s
531: learn: 0.0599395      total: 32.5s  remaining: 28.6s
532: learn: 0.0598595      total: 32.5s  remaining: 28.5s
533: learn: 0.0597342      total: 32.5s  remaining: 28.4s
534: learn: 0.0596364      total: 32.6s  remaining: 28.3s
535: learn: 0.0595793      total: 32.6s  remaining: 28.2s
536: learn: 0.0595744      total: 32.6s  remaining: 28.1s
537: learn: 0.0594865      total: 32.7s  remaining: 28s
538: learn: 0.0593700      total: 32.7s  remaining: 28s
539: learn: 0.0593391      total: 32.7s  remaining: 27.9s

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540: learn: 0.0591803      total: 32.7s  remaining: 27.8s
541: learn: 0.0590682      total: 32.8s  remaining: 27.7s
542: learn: 0.0590645      total: 32.8s  remaining: 27.6s
543: learn: 0.0589579      total: 32.9s  remaining: 27.6s
544: learn: 0.0588355      total: 33s    remaining: 27.5s
545: learn: 0.0587687      total: 33s    remaining: 27.4s
546: learn: 0.0587390      total: 33s    remaining: 27.4s
547: learn: 0.0586612      total: 33.1s  remaining: 27.3s
548: learn: 0.0585747      total: 33.1s  remaining: 27.2s
549: learn: 0.0585282      total: 33.2s  remaining: 27.1s
550: learn: 0.0585056      total: 33.2s  remaining: 27s
551: learn: 0.0584221      total: 33.4s  remaining: 27.1s
552: learn: 0.0583139      total: 33.4s  remaining: 27s
553: learn: 0.0581754      total: 33.5s  remaining: 27s
554: learn: 0.0580842      total: 33.7s  remaining: 27s
555: learn: 0.0580230      total: 33.8s  remaining: 27s
556: learn: 0.0579922      total: 33.8s  remaining: 26.9s
557: learn: 0.0579081      total: 33.9s  remaining: 26.8s
558: learn: 0.0578200      total: 33.9s  remaining: 26.8s
559: learn: 0.0577087      total: 34s    remaining: 26.7s
560: learn: 0.0576013      total: 34s    remaining: 26.6s
561: learn: 0.0575131      total: 34.2s  remaining: 26.6s
562: learn: 0.0575080      total: 34.2s  remaining: 26.6s
563: learn: 0.0574077      total: 34.3s  remaining: 26.5s
564: learn: 0.0573160      total: 34.3s  remaining: 26.4s
565: learn: 0.0572471      total: 34.4s  remaining: 26.4s
566: learn: 0.0571812      total: 34.4s  remaining: 26.3s
567: learn: 0.0571497      total: 34.4s  remaining: 26.2s
568: learn: 0.0570715      total: 34.5s  remaining: 26.2s
569: learn: 0.0570420      total: 34.6s  remaining: 26.1s
570: learn: 0.0569944      total: 34.7s  remaining: 26s
571: learn: 0.0568917      total: 34.7s  remaining: 25.9s
572: learn: 0.0568592      total: 34.7s  remaining: 25.9s
573: learn: 0.0568134      total: 34.8s  remaining: 25.8s
574: learn: 0.0567440      total: 34.8s  remaining: 25.7s
575: learn: 0.0567013      total: 35s    remaining: 25.8s
576: learn: 0.0566394      total: 35.1s  remaining: 25.7s
577: learn: 0.0565691      total: 35.2s  remaining: 25.7s
578: learn: 0.0564842      total: 35.2s  remaining: 25.6s
579: learn: 0.0563641      total: 35.2s  remaining: 25.5s
580: learn: 0.0563016      total: 35.3s  remaining: 25.4s
581: learn: 0.0562592      total: 35.3s  remaining: 25.4s
582: learn: 0.0561802      total: 35.4s  remaining: 25.3s
583: learn: 0.0561031      total: 35.4s  remaining: 25.3s
584: learn: 0.0560072      total: 35.5s  remaining: 25.2s
585: learn: 0.0558843      total: 35.6s  remaining: 25.2s
586: learn: 0.0558178      total: 35.7s  remaining: 25.1s
587: learn: 0.0557901      total: 35.7s  remaining: 25s
588: learn: 0.0557550      total: 35.7s  remaining: 24.9s
589: learn: 0.0557154      total: 35.8s  remaining: 24.9s
590: learn: 0.0556250      total: 35.8s  remaining: 24.8s
591: learn: 0.0555429      total: 35.9s  remaining: 24.7s
592: learn: 0.0554379      total: 35.9s  remaining: 24.6s
593: learn: 0.0553750      total: 35.9s  remaining: 24.6s
594: learn: 0.0553147      total: 35.9s  remaining: 24.5s
595: learn: 0.0552218      total: 36s    remaining: 24.4s
596: learn: 0.0552164      total: 36s    remaining: 24.3s
597: learn: 0.0552119      total: 36.1s  remaining: 24.2s
598: learn: 0.0551561      total: 36.1s  remaining: 24.2s
599: learn: 0.0551213      total: 36.1s  remaining: 24.1s
600: learn: 0.0550508      total: 36.2s  remaining: 24s
601: learn: 0.0549746      total: 36.2s  remaining: 23.9s
602: learn: 0.0549050      total: 36.3s  remaining: 23.9s
603: learn: 0.0548479      total: 36.3s  remaining: 23.8s

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604:	learn: 0.0547470	total: 36.3s	remaining: 23.7s
605:	learn: 0.0547095	total: 36.3s	remaining: 23.6s
606:	learn: 0.0546414	total: 36.4s	remaining: 23.6s
607:	learn: 0.0545760	total: 36.5s	remaining: 23.5s
608:	learn: 0.0545706	total: 36.5s	remaining: 23.4s
609:	learn: 0.0545165	total: 36.5s	remaining: 23.4s
610:	learn: 0.0544516	total: 36.6s	remaining: 23.3s
611:	learn: 0.0543788	total: 36.6s	remaining: 23.2s
612:	learn: 0.0543189	total: 36.6s	remaining: 23.1s
613:	learn: 0.0542261	total: 36.6s	remaining: 23s
614:	learn: 0.0541405	total: 36.6s	remaining: 22.9s
615:	learn: 0.0540815	total: 36.7s	remaining: 22.9s
616:	learn: 0.0540211	total: 36.8s	remaining: 22.8s
617:	learn: 0.0539287	total: 36.8s	remaining: 22.7s
618:	learn: 0.0538600	total: 36.8s	remaining: 22.7s
619:	learn: 0.0537918	total: 36.9s	remaining: 22.6s
620:	learn: 0.0537321	total: 36.9s	remaining: 22.5s
621:	learn: 0.0536539	total: 36.9s	remaining: 22.4s
622:	learn: 0.0535920	total: 37s	remaining: 22.4s
623:	learn: 0.0535462	total: 37.1s	remaining: 22.4s
624:	learn: 0.0534753	total: 37.2s	remaining: 22.3s
625:	learn: 0.0533937	total: 37.2s	remaining: 22.3s
626:	learn: 0.0532692	total: 37.3s	remaining: 22.2s
627:	learn: 0.0532635	total: 37.4s	remaining: 22.1s
628:	learn: 0.0532033	total: 37.4s	remaining: 22.1s
629:	learn: 0.0531716	total: 37.4s	remaining: 22s
630:	learn: 0.0531171	total: 37.5s	remaining: 22s
631:	learn: 0.0531128	total: 37.5s	remaining: 21.9s
632:	learn: 0.0530028	total: 37.7s	remaining: 21.8s
633:	learn: 0.0529250	total: 37.7s	remaining: 21.8s
533:	learn: 0.0551422	total: 36.6s	remaining: 32s
534:	learn: 0.0550645	total: 36.7s	remaining: 31.9s
535:	learn: 0.0549258	total: 36.8s	remaining: 31.8s
536:	learn: 0.0548572	total: 36.8s	remaining: 31.7s
537:	learn: 0.0547499	total: 36.9s	remaining: 31.7s
538:	learn: 0.0546466	total: 37s	remaining: 31.6s
539:	learn: 0.0546285	total: 37s	remaining: 31.5s
540:	learn: 0.0545589	total: 37s	remaining: 31.4s
541:	learn: 0.0545504	total: 37.2s	remaining: 31.4s
542:	learn: 0.0544190	total: 37.2s	remaining: 31.3s
543:	learn: 0.0543286	total: 37.3s	remaining: 31.2s
544:	learn: 0.0542480	total: 37.3s	remaining: 31.1s
545:	learn: 0.0541881	total: 37.4s	remaining: 31.1s
546:	learn: 0.0541794	total: 37.5s	remaining: 31s
547:	learn: 0.0541333	total: 37.5s	remaining: 30.9s
548:	learn: 0.0540459	total: 37.6s	remaining: 30.9s
549:	learn: 0.0540295	total: 37.8s	remaining: 31s
550:	learn: 0.0539351	total: 38.1s	remaining: 31.1s
551:	learn: 0.0538282	total: 38.3s	remaining: 31.1s
552:	learn: 0.0537312	total: 38.4s	remaining: 31s
553:	learn: 0.0536186	total: 38.5s	remaining: 31s
554:	learn: 0.0535466	total: 38.6s	remaining: 30.9s
555:	learn: 0.0534552	total: 38.6s	remaining: 30.8s
556:	learn: 0.0533858	total: 38.6s	remaining: 30.7s
557:	learn: 0.0533113	total: 38.8s	remaining: 30.7s
558:	learn: 0.0532468	total: 38.8s	remaining: 30.6s
559:	learn: 0.0531609	total: 38.8s	remaining: 30.5s
560:	learn: 0.0530844	total: 38.9s	remaining: 30.4s
561:	learn: 0.0529524	total: 38.9s	remaining: 30.3s
562:	learn: 0.0528340	total: 39s	remaining: 30.2s
563:	learn: 0.0527707	total: 39s	remaining: 30.2s
564:	learn: 0.0527442	total: 39.1s	remaining: 30.1s
565:	learn: 0.0526373	total: 39.2s	remaining: 30s
566:	learn: 0.0525482	total: 39.2s	remaining: 30s

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567: learn: 0.0524626    total: 39.3s  remaining: 29.9s
568: learn: 0.0523998    total: 39.4s  remaining: 29.9s
569: learn: 0.0523439    total: 39.5s  remaining: 29.8s
570: learn: 0.0522353    total: 39.6s  remaining: 29.8s
571: learn: 0.0521478    total: 39.6s  remaining: 29.7s
572: learn: 0.0520239    total: 39.7s  remaining: 29.5s
573: learn: 0.0519547    total: 39.7s  remaining: 29.5s
574: learn: 0.0518923    total: 39.8s  remaining: 29.4s
575: learn: 0.0517791    total: 39.8s  remaining: 29.3s
576: learn: 0.0516860    total: 39.9s  remaining: 29.2s
577: learn: 0.0515811    total: 40s    remaining: 29.2s
578: learn: 0.0514664    total: 40.2s  remaining: 29.2s
579: learn: 0.0513878    total: 40.4s  remaining: 29.2s
580: learn: 0.0512994    total: 40.5s  remaining: 29.2s
581: learn: 0.0511934    total: 40.5s  remaining: 29.1s
582: learn: 0.0511209    total: 40.6s  remaining: 29.1s
583: learn: 0.0510511    total: 40.7s  remaining: 29s
584: learn: 0.0509742    total: 40.8s  remaining: 28.9s
585: learn: 0.0508591    total: 40.9s  remaining: 28.9s
586: learn: 0.0507444    total: 40.9s  remaining: 28.8s
587: learn: 0.0506363    total: 41s    remaining: 28.7s
588: learn: 0.0505481    total: 41.2s  remaining: 28.7s
589: learn: 0.0504715    total: 41.2s  remaining: 28.7s
590: learn: 0.0503412    total: 41.3s  remaining: 28.6s
591: learn: 0.0502832    total: 41.3s  remaining: 28.5s
592: learn: 0.0502316    total: 41.3s  remaining: 28.4s
593: learn: 0.0502104    total: 41.4s  remaining: 28.3s
594: learn: 0.0500911    total: 41.5s  remaining: 28.2s
595: learn: 0.0500215    total: 41.5s  remaining: 28.2s
596: learn: 0.0499269    total: 41.6s  remaining: 28.1s
597: learn: 0.0498573    total: 41.7s  remaining: 28.1s
598: learn: 0.0497860    total: 41.7s  remaining: 27.9s
599: learn: 0.0497102    total: 41.8s  remaining: 27.9s
600: learn: 0.0496306    total: 41.8s  remaining: 27.8s
601: learn: 0.0495272    total: 41.8s  remaining: 27.7s
602: learn: 0.0494787    total: 41.9s  remaining: 27.6s
603: learn: 0.0494208    total: 41.9s  remaining: 27.5s
604: learn: 0.0493408    total: 42s    remaining: 27.4s
605: learn: 0.0492599    total: 42s    remaining: 27.3s
606: learn: 0.0491575    total: 42s    remaining: 27.2s
607: learn: 0.0491068    total: 42.1s  remaining: 27.2s
608: learn: 0.0489632    total: 42.1s  remaining: 27.1s
609: learn: 0.0488726    total: 42.2s  remaining: 27s
610: learn: 0.0487749    total: 42.2s  remaining: 26.9s
611: learn: 0.0486779    total: 42.3s  remaining: 26.8s
612: learn: 0.0486006    total: 42.4s  remaining: 26.8s
613: learn: 0.0485278    total: 42.5s  remaining: 26.7s
614: learn: 0.0484714    total: 42.5s  remaining: 26.6s
615: learn: 0.0483632    total: 42.5s  remaining: 26.5s
616: learn: 0.0483018    total: 42.5s  remaining: 26.4s
617: learn: 0.0482519    total: 42.6s  remaining: 26.3s
618: learn: 0.0481589    total: 42.7s  remaining: 26.3s
619: learn: 0.0480685    total: 42.7s  remaining: 26.2s
620: learn: 0.0480005    total: 42.7s  remaining: 26.1s
621: learn: 0.0479020    total: 42.8s  remaining: 26s
622: learn: 0.0478260    total: 42.8s  remaining: 25.9s
623: learn: 0.0477415    total: 42.9s  remaining: 25.8s
624: learn: 0.0476813    total: 42.9s  remaining: 25.7s
625: learn: 0.0475953    total: 43s    remaining: 25.7s
626: learn: 0.0474984    total: 43s    remaining: 25.6s
627: learn: 0.0474423    total: 43s    remaining: 25.5s
628: learn: 0.0473569    total: 43.1s  remaining: 25.4s
629: learn: 0.0473195    total: 43.1s  remaining: 25.3s
630: learn: 0.0472132    total: 43.1s  remaining: 25.2s

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631:	learn: 0.0471462	total: 43.1s	remaining: 25.1s
632:	learn: 0.0470496	total: 43.1s	remaining: 25s
633:	learn: 0.0469591	total: 43.1s	remaining: 24.9s
634:	learn: 0.0469099	total: 43.1s	remaining: 24.8s
635:	learn: 0.0467970	total: 43.2s	remaining: 24.7s
636:	learn: 0.0467332	total: 43.2s	remaining: 24.6s
637:	learn: 0.0466779	total: 43.2s	remaining: 24.5s
638:	learn: 0.0465973	total: 43.2s	remaining: 24.4s
639:	learn: 0.0465081	total: 43.2s	remaining: 24.3s
640:	learn: 0.0464309	total: 43.2s	remaining: 24.2s
641:	learn: 0.0463602	total: 43.2s	remaining: 24.1s
642:	learn: 0.0462768	total: 43.2s	remaining: 24s
643:	learn: 0.0462454	total: 43.2s	remaining: 23.9s
644:	learn: 0.0461666	total: 43.2s	remaining: 23.8s
645:	learn: 0.0460782	total: 43.2s	remaining: 23.7s
646:	learn: 0.0460078	total: 43.3s	remaining: 23.6s
647:	learn: 0.0459643	total: 43.3s	remaining: 23.5s
648:	learn: 0.0458962	total: 43.3s	remaining: 23.4s
649:	learn: 0.0457928	total: 43.3s	remaining: 23.3s
650:	learn: 0.0456703	total: 43.3s	remaining: 23.2s
651:	learn: 0.0455818	total: 43.4s	remaining: 23.1s
652:	learn: 0.0454949	total: 43.4s	remaining: 23s
653:	learn: 0.0453889	total: 43.4s	remaining: 23s
654:	learn: 0.0453292	total: 43.5s	remaining: 22.9s
655:	learn: 0.0452559	total: 43.6s	remaining: 22.8s
656:	learn: 0.0451356	total: 43.6s	remaining: 22.8s
657:	learn: 0.0450510	total: 43.7s	remaining: 22.7s
658:	learn: 0.0450002	total: 43.8s	remaining: 22.7s
659:	learn: 0.0449301	total: 43.8s	remaining: 22.6s
660:	learn: 0.0448606	total: 43.9s	remaining: 22.5s
661:	learn: 0.0447949	total: 44s	remaining: 22.5s
662:	learn: 0.0446844	total: 44s	remaining: 22.4s
663:	learn: 0.0446260	total: 44s	remaining: 22.3s
664:	learn: 0.0445900	total: 44s	remaining: 22.2s
665:	learn: 0.0445187	total: 44.1s	remaining: 22.1s
666:	learn: 0.0444534	total: 44.1s	remaining: 22s
667:	learn: 0.0443991	total: 44.1s	remaining: 21.9s
668:	learn: 0.0443654	total: 44.2s	remaining: 21.9s
669:	learn: 0.0442996	total: 44.2s	remaining: 21.8s
670:	learn: 0.0442423	total: 44.3s	remaining: 21.7s
671:	learn: 0.0441588	total: 44.3s	remaining: 21.6s
672:	learn: 0.0440983	total: 44.3s	remaining: 21.5s
673:	learn: 0.0440357	total: 44.4s	remaining: 21.5s
674:	learn: 0.0439653	total: 44.4s	remaining: 21.4s
675:	learn: 0.0438755	total: 44.5s	remaining: 21.3s
676:	learn: 0.0438159	total: 44.5s	remaining: 21.2s
677:	learn: 0.0437391	total: 44.5s	remaining: 21.1s
678:	learn: 0.0436710	total: 44.6s	remaining: 21.1s
679:	learn: 0.0435911	total: 44.6s	remaining: 21s
680:	learn: 0.0434898	total: 44.7s	remaining: 20.9s
681:	learn: 0.0434219	total: 44.7s	remaining: 20.8s
682:	learn: 0.0433917	total: 44.7s	remaining: 20.8s
683:	learn: 0.0433343	total: 44.8s	remaining: 20.7s
684:	learn: 0.0432790	total: 44.8s	remaining: 20.6s
685:	learn: 0.0432091	total: 44.8s	remaining: 20.5s
686:	learn: 0.0431135	total: 44.9s	remaining: 20.4s
687:	learn: 0.0430309	total: 44.9s	remaining: 20.4s
688:	learn: 0.0429500	total: 44.9s	remaining: 20.3s
689:	learn: 0.0428894	total: 45s	remaining: 20.2s
690:	learn: 0.0428275	total: 45s	remaining: 20.1s
689:	learn: 0.0426567	total: 41.5s	remaining: 18.7s
690:	learn: 0.0425920	total: 41.7s	remaining: 18.6s
691:	learn: 0.0424953	total: 41.7s	remaining: 18.6s
692:	learn: 0.0424181	total: 41.8s	remaining: 18.5s

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693: learn: 0.0423463    total: 41.8s  remaining: 18.4s
694: learn: 0.0422691    total: 41.9s  remaining: 18.4s
695: learn: 0.0422135    total: 41.9s  remaining: 18.3s
696: learn: 0.0421825    total: 41.9s  remaining: 18.2s
697: learn: 0.0420959    total: 42s    remaining: 18.2s
698: learn: 0.0420569    total: 42s    remaining: 18.1s
699: learn: 0.0419782    total: 42s    remaining: 18s
700: learn: 0.0419309    total: 42s    remaining: 17.9s
701: learn: 0.0418939    total: 42.1s  remaining: 17.9s
702: learn: 0.0418012    total: 42.1s  remaining: 17.8s
703: learn: 0.0417444    total: 42.1s  remaining: 17.7s
704: learn: 0.0416642    total: 42.2s  remaining: 17.7s
705: learn: 0.0416155    total: 42.2s  remaining: 17.6s
706: learn: 0.0415367    total: 42.3s  remaining: 17.5s
707: learn: 0.0414788    total: 42.3s  remaining: 17.5s
708: learn: 0.0414348    total: 42.4s  remaining: 17.4s
709: learn: 0.0413735    total: 42.5s  remaining: 17.3s
710: learn: 0.0413235    total: 42.5s  remaining: 17.3s
711: learn: 0.0412551    total: 42.5s  remaining: 17.2s
712: learn: 0.0411886    total: 42.6s  remaining: 17.1s
713: learn: 0.0411464    total: 42.6s  remaining: 17.1s
714: learn: 0.0411242    total: 42.6s  remaining: 17s
715: learn: 0.0410805    total: 42.6s  remaining: 16.9s
716: learn: 0.0410216    total: 42.7s  remaining: 16.8s
717: learn: 0.0409895    total: 42.8s  remaining: 16.8s
718: learn: 0.0409097    total: 42.9s  remaining: 16.8s
719: learn: 0.0408869    total: 42.9s  remaining: 16.7s
720: learn: 0.0408486    total: 42.9s  remaining: 16.6s
721: learn: 0.0407851    total: 43.1s  remaining: 16.6s
722: learn: 0.0407202    total: 43.1s  remaining: 16.5s
723: learn: 0.0406408    total: 43.1s  remaining: 16.4s
724: learn: 0.0405646    total: 43.1s  remaining: 16.4s
725: learn: 0.0405076    total: 43.2s  remaining: 16.3s
726: learn: 0.0404401    total: 43.3s  remaining: 16.2s
727: learn: 0.0403643    total: 43.3s  remaining: 16.2s
728: learn: 0.0403132    total: 43.3s  remaining: 16.1s
729: learn: 0.0402623    total: 43.3s  remaining: 16s
730: learn: 0.0402146    total: 43.4s  remaining: 16s
731: learn: 0.0401628    total: 43.4s  remaining: 15.9s
732: learn: 0.0401140    total: 43.5s  remaining: 15.8s
733: learn: 0.0400487    total: 43.5s  remaining: 15.8s
734: learn: 0.0400067    total: 43.5s  remaining: 15.7s
735: learn: 0.0399561    total: 43.6s  remaining: 15.6s
736: learn: 0.0398985    total: 43.6s  remaining: 15.6s
737: learn: 0.0398447    total: 43.6s  remaining: 15.5s
738: learn: 0.0398130    total: 43.6s  remaining: 15.4s
739: learn: 0.0397963    total: 43.7s  remaining: 15.3s
740: learn: 0.0397866    total: 43.7s  remaining: 15.3s
741: learn: 0.0397279    total: 43.7s  remaining: 15.2s
742: learn: 0.0396237    total: 43.8s  remaining: 15.2s
743: learn: 0.0395532    total: 43.8s  remaining: 15.1s
744: learn: 0.0395071    total: 43.8s  remaining: 15s
745: learn: 0.0394589    total: 44s    remaining: 15s
746: learn: 0.0394164    total: 44.1s  remaining: 14.9s
747: learn: 0.0393848    total: 44.1s  remaining: 14.9s
748: learn: 0.0393378    total: 44.1s  remaining: 14.8s
749: learn: 0.0393237    total: 44.1s  remaining: 14.7s
750: learn: 0.0392711    total: 44.2s  remaining: 14.6s
751: learn: 0.0392374    total: 44.2s  remaining: 14.6s
752: learn: 0.0391868    total: 44.3s  remaining: 14.5s
753: learn: 0.0391506    total: 44.3s  remaining: 14.4s
754: learn: 0.0391009    total: 44.3s  remaining: 14.4s
755: learn: 0.0390334    total: 44.4s  remaining: 14.3s
756: learn: 0.0389854    total: 44.4s  remaining: 14.3s

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757:	learn: 0.0389661	total: 44.5s	remaining: 14.2s
758:	learn: 0.0389418	total: 44.5s	remaining: 14.1s
759:	learn: 0.0388740	total: 44.6s	remaining: 14.1s
760:	learn: 0.0387961	total: 44.7s	remaining: 14s
761:	learn: 0.0387647	total: 44.7s	remaining: 14s
762:	learn: 0.0387172	total: 44.7s	remaining: 13.9s
763:	learn: 0.0386803	total: 44.7s	remaining: 13.8s
764:	learn: 0.0386527	total: 44.8s	remaining: 13.8s
765:	learn: 0.0385955	total: 44.8s	remaining: 13.7s
766:	learn: 0.0385395	total: 44.8s	remaining: 13.6s
767:	learn: 0.0384687	total: 44.9s	remaining: 13.6s
768:	learn: 0.0384226	total: 44.9s	remaining: 13.5s
769:	learn: 0.0383616	total: 45s	remaining: 13.4s
770:	learn: 0.0383474	total: 45s	remaining: 13.4s
771:	learn: 0.0382886	total: 45.1s	remaining: 13.3s
772:	learn: 0.0382597	total: 45.1s	remaining: 13.2s
773:	learn: 0.0381886	total: 45.1s	remaining: 13.2s
774:	learn: 0.0381349	total: 45.2s	remaining: 13.1s
775:	learn: 0.0380898	total: 45.2s	remaining: 13.1s
776:	learn: 0.0380741	total: 45.3s	remaining: 13s
777:	learn: 0.0380162	total: 45.3s	remaining: 12.9s
778:	learn: 0.0379375	total: 45.3s	remaining: 12.9s
779:	learn: 0.0378518	total: 45.4s	remaining: 12.8s
780:	learn: 0.0377958	total: 45.4s	remaining: 12.7s
781:	learn: 0.0377162	total: 45.4s	remaining: 12.7s
782:	learn: 0.0376276	total: 45.5s	remaining: 12.6s
783:	learn: 0.0375841	total: 45.5s	remaining: 12.5s
784:	learn: 0.0375174	total: 45.6s	remaining: 12.5s
785:	learn: 0.0374622	total: 45.6s	remaining: 12.4s
786:	learn: 0.0374026	total: 45.6s	remaining: 12.3s
787:	learn: 0.0373242	total: 45.7s	remaining: 12.3s
788:	learn: 0.0372654	total: 45.7s	remaining: 12.2s
789:	learn: 0.0372246	total: 45.8s	remaining: 12.2s
790:	learn: 0.0371609	total: 45.8s	remaining: 12.1s
791:	learn: 0.0371277	total: 45.8s	remaining: 12s
792:	learn: 0.0370808	total: 45.9s	remaining: 12s
793:	learn: 0.0370493	total: 45.9s	remaining: 11.9s
794:	learn: 0.0369831	total: 45.9s	remaining: 11.8s
795:	learn: 0.0369544	total: 45.9s	remaining: 11.8s
796:	learn: 0.0368858	total: 46s	remaining: 11.7s
797:	learn: 0.0368481	total: 46s	remaining: 11.6s
798:	learn: 0.0368167	total: 46s	remaining: 11.6s
799:	learn: 0.0367740	total: 46.1s	remaining: 11.5s
800:	learn: 0.0367591	total: 46.1s	remaining: 11.4s
801:	learn: 0.0366983	total: 46.1s	remaining: 11.4s
802:	learn: 0.0366108	total: 46.1s	remaining: 11.3s
803:	learn: 0.0365537	total: 46.2s	remaining: 11.3s
804:	learn: 0.0364820	total: 46.2s	remaining: 11.2s
805:	learn: 0.0364693	total: 46.2s	remaining: 11.1s
806:	learn: 0.0364213	total: 46.3s	remaining: 11.1s
807:	learn: 0.0363862	total: 46.3s	remaining: 11s
808:	learn: 0.0363342	total: 46.3s	remaining: 10.9s
809:	learn: 0.0363032	total: 46.3s	remaining: 10.9s
810:	learn: 0.0362743	total: 46.4s	remaining: 10.8s
811:	learn: 0.0362177	total: 46.4s	remaining: 10.7s
812:	learn: 0.0361527	total: 46.4s	remaining: 10.7s
813:	learn: 0.0361211	total: 46.5s	remaining: 10.6s
814:	learn: 0.0360610	total: 46.5s	remaining: 10.6s
815:	learn: 0.0360244	total: 46.5s	remaining: 10.5s
816:	learn: 0.0359800	total: 46.5s	remaining: 10.4s
817:	learn: 0.0359023	total: 46.6s	remaining: 10.4s
818:	learn: 0.0358592	total: 46.6s	remaining: 10.3s
819:	learn: 0.0358013	total: 46.6s	remaining: 10.2s
820:	learn: 0.0357980	total: 46.6s	remaining: 10.2s

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821: learn: 0.0357272    total: 46.6s  remaining: 10.1s
822: learn: 0.0356968    total: 46.7s  remaining: 10s
823: learn: 0.0356520    total: 46.7s  remaining: 9.97s
824: learn: 0.0356077    total: 46.7s  remaining: 9.9s
825: learn: 0.0355718    total: 46.7s  remaining: 9.84s
826: learn: 0.0355086    total: 46.8s  remaining: 9.79s
827: learn: 0.0354705    total: 46.8s  remaining: 9.72s
828: learn: 0.0354214    total: 46.8s  remaining: 9.66s
829: learn: 0.0353788    total: 46.9s  remaining: 9.6s
830: learn: 0.0353410    total: 46.9s  remaining: 9.54s
831: learn: 0.0352977    total: 46.9s  remaining: 9.48s
832: learn: 0.0352343    total: 46.9s  remaining: 9.41s
833: learn: 0.0351700    total: 46.9s  remaining: 9.34s
834: learn: 0.0351154    total: 46.9s  remaining: 9.28s
835: learn: 0.0350905    total: 47s   remaining: 9.21s
836: learn: 0.0350445    total: 47s   remaining: 9.14s
837: learn: 0.0350100    total: 47s   remaining: 9.09s
838: learn: 0.0349737    total: 47s   remaining: 9.02s
839: learn: 0.0349252    total: 47s   remaining: 8.96s
840: learn: 0.0348681    total: 47s   remaining: 8.89s
841: learn: 0.0348240    total: 47.1s  remaining: 8.83s
842: learn: 0.0347775    total: 47.1s  remaining: 8.77s
843: learn: 0.0347063    total: 47.1s  remaining: 8.71s
844: learn: 0.0346645    total: 47.2s  remaining: 8.65s
845: learn: 0.0346187    total: 47.2s  remaining: 8.59s
846: learn: 0.0345690    total: 47.2s  remaining: 8.53s
692: learn: 0.0412537    total: 43.1s  remaining: 19.1s
693: learn: 0.0411550    total: 43.1s  remaining: 19s
694: learn: 0.0411049    total: 43.2s  remaining: 18.9s
695: learn: 0.0410480    total: 43.2s  remaining: 18.9s
696: learn: 0.0409503    total: 43.3s  remaining: 18.8s
697: learn: 0.0409377    total: 43.4s  remaining: 18.8s
698: learn: 0.0408544    total: 43.4s  remaining: 18.7s
699: learn: 0.0407877    total: 43.5s  remaining: 18.6s
700: learn: 0.0407274    total: 43.5s  remaining: 18.5s
701: learn: 0.0406772    total: 43.5s  remaining: 18.5s
702: learn: 0.0406416    total: 43.6s  remaining: 18.4s
703: learn: 0.0405820    total: 43.6s  remaining: 18.3s
704: learn: 0.0405768    total: 43.6s  remaining: 18.2s
705: learn: 0.0405339    total: 43.6s  remaining: 18.2s
706: learn: 0.0405288    total: 43.7s  remaining: 18.1s
707: learn: 0.0404762    total: 43.7s  remaining: 18s
708: learn: 0.0404335    total: 43.7s  remaining: 17.9s
709: learn: 0.0403363    total: 43.8s  remaining: 17.9s
710: learn: 0.0402517    total: 43.9s  remaining: 17.8s
711: learn: 0.0401824    total: 43.9s  remaining: 17.8s
712: learn: 0.0401235    total: 44s   remaining: 17.7s
713: learn: 0.0401200    total: 44s   remaining: 17.6s
714: learn: 0.0401154    total: 44.1s  remaining: 17.6s
715: learn: 0.0400630    total: 44.1s  remaining: 17.5s
716: learn: 0.0399763    total: 44.2s  remaining: 17.4s
717: learn: 0.0398957    total: 44.2s  remaining: 17.4s
718: learn: 0.0398461    total: 44.2s  remaining: 17.3s
719: learn: 0.0398396    total: 44.3s  remaining: 17.2s
720: learn: 0.0397403    total: 44.3s  remaining: 17.2s
721: learn: 0.0396722    total: 44.4s  remaining: 17.1s
722: learn: 0.0396084    total: 44.4s  remaining: 17s
723: learn: 0.0395573    total: 44.5s  remaining: 16.9s
724: learn: 0.0394882    total: 44.5s  remaining: 16.9s
725: learn: 0.0394258    total: 44.5s  remaining: 16.8s
726: learn: 0.0393507    total: 44.5s  remaining: 16.7s
727: learn: 0.0392986    total: 44.6s  remaining: 16.6s
728: learn: 0.0392586    total: 44.6s  remaining: 16.6s
729: learn: 0.0391805    total: 44.6s  remaining: 16.5s

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730:	learn: 0.0390968	total: 44.7s	remaining: 16.4s
731:	learn: 0.0390464	total: 44.7s	remaining: 16.4s
732:	learn: 0.0389388	total: 44.7s	remaining: 16.3s
733:	learn: 0.0389327	total: 44.7s	remaining: 16.2s
734:	learn: 0.0388831	total: 44.8s	remaining: 16.2s
735:	learn: 0.0388089	total: 44.8s	remaining: 16.1s
736:	learn: 0.0387278	total: 44.9s	remaining: 16s
737:	learn: 0.0386707	total: 45s	remaining: 16s
738:	learn: 0.0386114	total: 45s	remaining: 15.9s
739:	learn: 0.0385252	total: 45.1s	remaining: 15.8s
740:	learn: 0.0384779	total: 45.1s	remaining: 15.8s
741:	learn: 0.0384267	total: 45.1s	remaining: 15.7s
742:	learn: 0.0383829	total: 45.1s	remaining: 15.6s
743:	learn: 0.0383004	total: 45.1s	remaining: 15.5s
744:	learn: 0.0382492	total: 45.2s	remaining: 15.5s
745:	learn: 0.0381923	total: 45.2s	remaining: 15.4s
746:	learn: 0.0381077	total: 45.2s	remaining: 15.3s
747:	learn: 0.0380464	total: 45.3s	remaining: 15.2s
748:	learn: 0.0380119	total: 45.3s	remaining: 15.2s
749:	learn: 0.0379887	total: 45.4s	remaining: 15.1s
750:	learn: 0.0379412	total: 45.4s	remaining: 15.1s
751:	learn: 0.0378763	total: 45.5s	remaining: 15s
752:	learn: 0.0377956	total: 45.6s	remaining: 15s
753:	learn: 0.0377477	total: 45.6s	remaining: 14.9s
754:	learn: 0.0376951	total: 45.6s	remaining: 14.8s
755:	learn: 0.0376669	total: 45.7s	remaining: 14.7s
756:	learn: 0.0376588	total: 45.7s	remaining: 14.7s
757:	learn: 0.0376025	total: 45.7s	remaining: 14.6s
758:	learn: 0.0375646	total: 45.7s	remaining: 14.5s
759:	learn: 0.0375294	total: 45.7s	remaining: 14.4s
760:	learn: 0.0374778	total: 45.7s	remaining: 14.4s
761:	learn: 0.0374644	total: 45.8s	remaining: 14.3s
762:	learn: 0.0374248	total: 45.8s	remaining: 14.2s
763:	learn: 0.0373709	total: 45.8s	remaining: 14.1s
764:	learn: 0.0372759	total: 45.8s	remaining: 14.1s
765:	learn: 0.0372189	total: 45.9s	remaining: 14s
766:	learn: 0.0372145	total: 45.9s	remaining: 13.9s
767:	learn: 0.0371642	total: 45.9s	remaining: 13.9s
768:	learn: 0.0371044	total: 46s	remaining: 13.8s
769:	learn: 0.0370150	total: 46s	remaining: 13.7s
770:	learn: 0.0369735	total: 46s	remaining: 13.7s
771:	learn: 0.0369004	total: 46s	remaining: 13.6s
772:	learn: 0.0368922	total: 46s	remaining: 13.5s
773:	learn: 0.0368490	total: 46s	remaining: 13.4s
774:	learn: 0.0367837	total: 46.1s	remaining: 13.4s
775:	learn: 0.0367798	total: 46.1s	remaining: 13.3s
776:	learn: 0.0367330	total: 46.1s	remaining: 13.2s
777:	learn: 0.0367238	total: 46.1s	remaining: 13.2s
778:	learn: 0.0367180	total: 46.1s	remaining: 13.1s
779:	learn: 0.0366323	total: 46.2s	remaining: 13s
780:	learn: 0.0365868	total: 46.2s	remaining: 13s
781:	learn: 0.0365360	total: 46.2s	remaining: 12.9s
782:	learn: 0.0364735	total: 46.3s	remaining: 12.8s
783:	learn: 0.0364216	total: 46.4s	remaining: 12.8s
784:	learn: 0.0363562	total: 46.4s	remaining: 12.7s
785:	learn: 0.0363027	total: 46.5s	remaining: 12.6s
786:	learn: 0.0362394	total: 46.5s	remaining: 12.6s
787:	learn: 0.0361811	total: 46.5s	remaining: 12.5s
788:	learn: 0.0361129	total: 46.6s	remaining: 12.5s
789:	learn: 0.0360527	total: 46.6s	remaining: 12.4s
790:	learn: 0.0360098	total: 46.7s	remaining: 12.3s
791:	learn: 0.0359366	total: 46.7s	remaining: 12.3s
792:	learn: 0.0358938	total: 46.7s	remaining: 12.2s
793:	learn: 0.0358460	total: 46.7s	remaining: 12.1s

794:	learn: 0.0358039	total: 46.7s	remaining: 12s
795:	learn: 0.0357575	total: 46.8s	remaining: 12s
796:	learn: 0.0357518	total: 46.8s	remaining: 11.9s
797:	learn: 0.0356844	total: 46.8s	remaining: 11.9s
798:	learn: 0.0356255	total: 46.9s	remaining: 11.8s
799:	learn: 0.0355601	total: 46.9s	remaining: 11.7s
800:	learn: 0.0354870	total: 46.9s	remaining: 11.7s
801:	learn: 0.0354388	total: 46.9s	remaining: 11.6s
802:	learn: 0.0354031	total: 47s	remaining: 11.5s
803:	learn: 0.0353583	total: 47s	remaining: 11.5s
804:	learn: 0.0352805	total: 47s	remaining: 11.4s
805:	learn: 0.0352135	total: 47s	remaining: 11.3s
806:	learn: 0.0351650	total: 47s	remaining: 11.2s
807:	learn: 0.0351185	total: 47.1s	remaining: 11.2s
808:	learn: 0.0350664	total: 47.1s	remaining: 11.1s
809:	learn: 0.0350305	total: 47.1s	remaining: 11s
810:	learn: 0.0349445	total: 47.1s	remaining: 11s
811:	learn: 0.0348798	total: 47.2s	remaining: 10.9s
812:	learn: 0.0348199	total: 47.2s	remaining: 10.9s
813:	learn: 0.0347687	total: 47.3s	remaining: 10.8s
814:	learn: 0.0347486	total: 47.3s	remaining: 10.7s
815:	learn: 0.0346773	total: 47.3s	remaining: 10.7s
816:	learn: 0.0346725	total: 47.4s	remaining: 10.6s
817:	learn: 0.0346120	total: 47.4s	remaining: 10.6s
818:	learn: 0.0345519	total: 47.5s	remaining: 10.5s
819:	learn: 0.0345122	total: 47.5s	remaining: 10.4s
820:	learn: 0.0344663	total: 47.5s	remaining: 10.4s
821:	learn: 0.0344334	total: 47.6s	remaining: 10.3s
822:	learn: 0.0344011	total: 47.7s	remaining: 10.2s
823:	learn: 0.0343526	total: 47.7s	remaining: 10.2s
824:	learn: 0.0342993	total: 47.7s	remaining: 10.1s
825:	learn: 0.0342445	total: 47.7s	remaining: 10s
826:	learn: 0.0341708	total: 47.8s	remaining: 9.99s
827:	learn: 0.0341483	total: 47.8s	remaining: 9.92s
828:	learn: 0.0340934	total: 47.8s	remaining: 9.87s
829:	learn: 0.0340293	total: 47.9s	remaining: 9.81s
830:	learn: 0.0339946	total: 47.9s	remaining: 9.74s
831:	learn: 0.0339437	total: 47.9s	remaining: 9.68s
832:	learn: 0.0339179	total: 48s	remaining: 9.62s
833:	learn: 0.0338865	total: 48s	remaining: 9.56s
834:	learn: 0.0338833	total: 48s	remaining: 9.49s
835:	learn: 0.0338408	total: 48.1s	remaining: 9.43s
836:	learn: 0.0337654	total: 48.1s	remaining: 9.37s
837:	learn: 0.0337614	total: 48.1s	remaining: 9.3s
838:	learn: 0.0337583	total: 48.2s	remaining: 9.24s
839:	learn: 0.0337068	total: 48.2s	remaining: 9.18s
840:	learn: 0.0336641	total: 48.2s	remaining: 9.11s
841:	learn: 0.0336274	total: 48.2s	remaining: 9.05s
842:	learn: 0.0336246	total: 48.2s	remaining: 8.98s
843:	learn: 0.0336204	total: 48.3s	remaining: 8.92s
844:	learn: 0.0335748	total: 48.3s	remaining: 8.86s
845:	learn: 0.0335203	total: 48.3s	remaining: 8.8s
846:	learn: 0.0334479	total: 48.4s	remaining: 8.73s
847:	learn: 0.0334066	total: 48.4s	remaining: 8.68s
848:	learn: 0.0333575	total: 48.4s	remaining: 8.62s
849:	learn: 0.0333131	total: 48.4s	remaining: 8.55s
689:	learn: 0.0449140	total: 43.1s	remaining: 19.4s
690:	learn: 0.0448346	total: 43.2s	remaining: 19.3s
691:	learn: 0.0447995	total: 43.2s	remaining: 19.2s
692:	learn: 0.0447400	total: 43.2s	remaining: 19.1s
693:	learn: 0.0447122	total: 43.2s	remaining: 19.1s
694:	learn: 0.0446698	total: 43.3s	remaining: 19s
695:	learn: 0.0446078	total: 43.3s	remaining: 18.9s
696:	learn: 0.0445172	total: 43.3s	remaining: 18.8s

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697: learn: 0.0444534      total: 43.4s  remaining: 18.8s
698: learn: 0.0444481      total: 43.4s  remaining: 18.7s
699: learn: 0.0443808      total: 43.5s  remaining: 18.7s
700: learn: 0.0443055      total: 43.6s  remaining: 18.6s
701: learn: 0.0442592      total: 43.6s  remaining: 18.5s
702: learn: 0.0441828      total: 43.8s  remaining: 18.5s
703: learn: 0.0441160      total: 43.8s  remaining: 18.4s
704: learn: 0.0440678      total: 43.9s  remaining: 18.4s
705: learn: 0.0440111      total: 43.9s  remaining: 18.3s
706: learn: 0.0439179      total: 43.9s  remaining: 18.2s
707: learn: 0.0438361      total: 43.9s  remaining: 18.1s
708: learn: 0.0437728      total: 44s    remaining: 18.1s
709: learn: 0.0437046      total: 44s    remaining: 18s
710: learn: 0.0436612      total: 44.1s  remaining: 17.9s
711: learn: 0.0435964      total: 44.1s  remaining: 17.8s
712: learn: 0.0435359      total: 44.1s  remaining: 17.8s
713: learn: 0.0434336      total: 44.2s  remaining: 17.7s
714: learn: 0.0434055      total: 44.3s  remaining: 17.7s
715: learn: 0.0433561      total: 44.4s  remaining: 17.6s
716: learn: 0.0432824      total: 44.5s  remaining: 17.5s
717: learn: 0.0432064      total: 44.5s  remaining: 17.5s
718: learn: 0.0431872      total: 44.5s  remaining: 17.4s
719: learn: 0.0431614      total: 44.5s  remaining: 17.3s
720: learn: 0.0430945      total: 44.6s  remaining: 17.2s
721: learn: 0.0430301      total: 44.6s  remaining: 17.2s
722: learn: 0.0429768      total: 44.7s  remaining: 17.1s
723: learn: 0.0429722      total: 44.7s  remaining: 17s
724: learn: 0.0429306      total: 44.7s  remaining: 17s
725: learn: 0.0428503      total: 44.7s  remaining: 16.9s
726: learn: 0.0428075      total: 44.8s  remaining: 16.8s
727: learn: 0.0427401      total: 44.8s  remaining: 16.7s
728: learn: 0.0426642      total: 44.8s  remaining: 16.7s
729: learn: 0.0426142      total: 44.8s  remaining: 16.6s
730: learn: 0.0425404      total: 44.9s  remaining: 16.5s
731: learn: 0.0424724      total: 45s    remaining: 16.5s
732: learn: 0.0424282      total: 45s    remaining: 16.4s
733: learn: 0.0423182      total: 45s    remaining: 16.3s
734: learn: 0.0422324      total: 45.1s  remaining: 16.2s
735: learn: 0.0421675      total: 45.1s  remaining: 16.2s
736: learn: 0.0421506      total: 45.1s  remaining: 16.1s
737: learn: 0.0420801      total: 45.1s  remaining: 16s
738: learn: 0.0420251      total: 45.1s  remaining: 15.9s
739: learn: 0.0419610      total: 45.2s  remaining: 15.9s
740: learn: 0.0418652      total: 45.2s  remaining: 15.8s
741: learn: 0.0418108      total: 45.2s  remaining: 15.7s
742: learn: 0.0417283      total: 45.3s  remaining: 15.7s
743: learn: 0.0417170      total: 45.3s  remaining: 15.6s
744: learn: 0.0416486      total: 45.3s  remaining: 15.5s
745: learn: 0.0415722      total: 45.3s  remaining: 15.4s
746: learn: 0.0415128      total: 45.4s  remaining: 15.4s
747: learn: 0.0414629      total: 45.4s  remaining: 15.3s
748: learn: 0.0414593      total: 45.4s  remaining: 15.2s
749: learn: 0.0414001      total: 45.4s  remaining: 15.1s
750: learn: 0.0413175      total: 45.4s  remaining: 15.1s
751: learn: 0.0413122      total: 45.5s  remaining: 15s
752: learn: 0.0412555      total: 45.5s  remaining: 14.9s
753: learn: 0.0411768      total: 45.5s  remaining: 14.9s
754: learn: 0.0411453      total: 45.6s  remaining: 14.8s
755: learn: 0.0411143      total: 45.6s  remaining: 14.7s
756: learn: 0.0410465      total: 45.6s  remaining: 14.7s
757: learn: 0.0409512      total: 45.6s  remaining: 14.6s
758: learn: 0.0409118      total: 45.7s  remaining: 14.5s
759: learn: 0.0408676      total: 45.8s  remaining: 14.5s
760: learn: 0.0408046      total: 45.8s  remaining: 14.4s

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761: learn: 0.0407434    total: 45.8s  remaining: 14.3s
762: learn: 0.0406885    total: 45.9s  remaining: 14.3s
763: learn: 0.0406367    total: 46s    remaining: 14.2s
764: learn: 0.0405571    total: 46.1s  remaining: 14.1s
765: learn: 0.0405399    total: 46.1s  remaining: 14.1s
766: learn: 0.0404472    total: 46.1s  remaining: 14s
767: learn: 0.0404430    total: 46.1s  remaining: 13.9s
768: learn: 0.0403992    total: 46.1s  remaining: 13.9s
769: learn: 0.0403453    total: 46.1s  remaining: 13.8s
770: learn: 0.0402671    total: 46.1s  remaining: 13.7s
771: learn: 0.0402029    total: 46.2s  remaining: 13.6s
772: learn: 0.0401420    total: 46.2s  remaining: 13.6s
773: learn: 0.0401040    total: 46.2s  remaining: 13.5s
774: learn: 0.0400303    total: 46.3s  remaining: 13.4s
775: learn: 0.0399957    total: 46.4s  remaining: 13.4s
776: learn: 0.0399273    total: 46.4s  remaining: 13.3s
777: learn: 0.0398824    total: 46.5s  remaining: 13.3s
778: learn: 0.0398260    total: 46.5s  remaining: 13.2s
779: learn: 0.0397692    total: 46.5s  remaining: 13.1s
780: learn: 0.0397051    total: 46.5s  remaining: 13.1s
781: learn: 0.0396677    total: 46.6s  remaining: 13s
782: learn: 0.0396162    total: 46.6s  remaining: 12.9s
783: learn: 0.0395746    total: 46.6s  remaining: 12.8s
784: learn: 0.0395577    total: 46.6s  remaining: 12.8s
785: learn: 0.0395538    total: 46.7s  remaining: 12.7s
786: learn: 0.0394977    total: 46.8s  remaining: 12.7s
787: learn: 0.0394343    total: 46.8s  remaining: 12.6s
788: learn: 0.0393734    total: 46.9s  remaining: 12.5s
789: learn: 0.0393365    total: 46.9s  remaining: 12.5s
790: learn: 0.0392882    total: 47s    remaining: 12.4s
791: learn: 0.0392437    total: 47s    remaining: 12.3s
792: learn: 0.0392012    total: 47s    remaining: 12.3s
793: learn: 0.0391499    total: 47.1s  remaining: 12.2s
794: learn: 0.0390791    total: 47.2s  remaining: 12.2s
795: learn: 0.0390273    total: 47.2s  remaining: 12.1s
796: learn: 0.0389789    total: 47.3s  remaining: 12s
797: learn: 0.0389312    total: 47.3s  remaining: 12s
798: learn: 0.0389257    total: 47.3s  remaining: 11.9s
799: learn: 0.0388789    total: 47.3s  remaining: 11.8s
800: learn: 0.0388748    total: 47.4s  remaining: 11.8s
801: learn: 0.0388012    total: 47.4s  remaining: 11.7s
802: learn: 0.0387361    total: 47.4s  remaining: 11.6s
803: learn: 0.0386784    total: 47.5s  remaining: 11.6s
804: learn: 0.0386404    total: 47.5s  remaining: 11.5s
805: learn: 0.0385923    total: 47.5s  remaining: 11.4s
806: learn: 0.0385574    total: 47.6s  remaining: 11.4s
807: learn: 0.0385536    total: 47.6s  remaining: 11.3s
808: learn: 0.0384878    total: 47.6s  remaining: 11.2s
809: learn: 0.0384523    total: 47.7s  remaining: 11.2s
810: learn: 0.0384143    total: 47.7s  remaining: 11.1s
811: learn: 0.0383967    total: 47.8s  remaining: 11.1s
812: learn: 0.0383102    total: 47.8s  remaining: 11s
813: learn: 0.0382495    total: 47.9s  remaining: 11s
814: learn: 0.0382468    total: 47.9s  remaining: 10.9s
815: learn: 0.0382433    total: 47.9s  remaining: 10.8s
816: learn: 0.0381737    total: 48s    remaining: 10.8s
817: learn: 0.0381013    total: 48.1s  remaining: 10.7s
818: learn: 0.0380576    total: 48.1s  remaining: 10.6s
819: learn: 0.0379729    total: 48.1s  remaining: 10.6s
820: learn: 0.0379017    total: 48.1s  remaining: 10.5s
821: learn: 0.0378541    total: 48.2s  remaining: 10.4s
822: learn: 0.0377793    total: 48.2s  remaining: 10.4s
823: learn: 0.0377400    total: 48.2s  remaining: 10.3s
824: learn: 0.0376941    total: 48.2s  remaining: 10.2s

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825: learn: 0.0376319    total: 48.3s  remaining: 10.2s
826: learn: 0.0375693    total: 48.3s  remaining: 10.1s
827: learn: 0.0375663    total: 48.4s  remaining: 10.1s
828: learn: 0.0375239    total: 48.4s  remaining: 9.99s
829: learn: 0.0374929    total: 48.5s  remaining: 9.93s
830: learn: 0.0374303    total: 48.5s  remaining: 9.87s
831: learn: 0.0373931    total: 48.6s  remaining: 9.8s
832: learn: 0.0373500    total: 48.6s  remaining: 9.74s
833: learn: 0.0373057    total: 48.6s  remaining: 9.68s
834: learn: 0.0372513    total: 48.7s  remaining: 9.62s
835: learn: 0.0372386    total: 48.7s  remaining: 9.55s
836: learn: 0.0371629    total: 48.7s  remaining: 9.49s
837: learn: 0.0370881    total: 48.7s  remaining: 9.42s
838: learn: 0.0370345    total: 48.8s  remaining: 9.37s
839: learn: 0.0369795    total: 48.8s  remaining: 9.3s
840: learn: 0.0369233    total: 48.9s  remaining: 9.24s
841: learn: 0.0368617    total: 48.9s  remaining: 9.18s
842: learn: 0.0367856    total: 48.9s  remaining: 9.11s
843: learn: 0.0367107    total: 49s   remaining: 9.06s
844: learn: 0.0366625    total: 49s   remaining: 8.99s
845: learn: 0.0365981    total: 49.1s  remaining: 8.93s
846: learn: 0.0365927    total: 49.1s  remaining: 8.86s
634: learn: 0.0528268    total: 37.8s  remaining: 21.7s
635: learn: 0.0527919    total: 37.9s  remaining: 21.7s
636: learn: 0.0527169    total: 37.9s  remaining: 21.6s
637: learn: 0.0526397    total: 37.9s  remaining: 21.5s
638: learn: 0.0526144    total: 37.9s  remaining: 21.4s
639: learn: 0.0525503    total: 38s   remaining: 21.4s
640: learn: 0.0525311    total: 38s   remaining: 21.3s
641: learn: 0.0524595    total: 38s   remaining: 21.2s
642: learn: 0.0524560    total: 38.1s  remaining: 21.1s
643: learn: 0.0523754    total: 38.1s  remaining: 21.1s
644: learn: 0.0523720    total: 38.1s  remaining: 21s
645: learn: 0.0522783    total: 38.2s  remaining: 20.9s
646: learn: 0.0522066    total: 38.2s  remaining: 20.8s
647: learn: 0.0521219    total: 38.2s  remaining: 20.8s
648: learn: 0.0520831    total: 38.2s  remaining: 20.7s
649: learn: 0.0520047    total: 38.3s  remaining: 20.6s
650: learn: 0.0519712    total: 38.3s  remaining: 20.5s
651: learn: 0.0519056    total: 38.3s  remaining: 20.5s
652: learn: 0.0518529    total: 38.4s  remaining: 20.4s
653: learn: 0.0517331    total: 38.4s  remaining: 20.3s
654: learn: 0.0516338    total: 38.4s  remaining: 20.2s
655: learn: 0.0515240    total: 38.5s  remaining: 20.2s
656: learn: 0.0514583    total: 38.5s  remaining: 20.1s
657: learn: 0.0514068    total: 38.5s  remaining: 20s
658: learn: 0.0513472    total: 38.5s  remaining: 19.9s
659: learn: 0.0512822    total: 38.6s  remaining: 19.9s
660: learn: 0.0511805    total: 38.6s  remaining: 19.8s
661: learn: 0.0511046    total: 38.6s  remaining: 19.7s
662: learn: 0.0509758    total: 38.7s  remaining: 19.7s
663: learn: 0.0509266    total: 38.7s  remaining: 19.6s
664: learn: 0.0508633    total: 38.7s  remaining: 19.5s
665: learn: 0.0507823    total: 38.8s  remaining: 19.5s
666: learn: 0.0507461    total: 38.8s  remaining: 19.4s
667: learn: 0.0507024    total: 38.9s  remaining: 19.3s
668: learn: 0.0506648    total: 39s   remaining: 19.3s
669: learn: 0.0505865    total: 39s   remaining: 19.2s
670: learn: 0.0505512    total: 39s   remaining: 19.1s
671: learn: 0.0504996    total: 39.1s  remaining: 19.1s
672: learn: 0.0504059    total: 39.1s  remaining: 19s
673: learn: 0.0503569    total: 39.1s  remaining: 18.9s
674: learn: 0.0503196    total: 39.1s  remaining: 18.8s
675: learn: 0.0502549    total: 39.1s  remaining: 18.7s

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676:	learn: 0.0501848	total: 39.1s	remaining: 18.7s
677:	learn: 0.0501286	total: 39.2s	remaining: 18.6s
678:	learn: 0.0500469	total: 39.3s	remaining: 18.6s
679:	learn: 0.0499966	total: 39.3s	remaining: 18.5s
680:	learn: 0.0499737	total: 39.4s	remaining: 18.4s
681:	learn: 0.0499079	total: 39.4s	remaining: 18.4s
682:	learn: 0.0498383	total: 39.5s	remaining: 18.3s
683:	learn: 0.0498025	total: 39.5s	remaining: 18.2s
684:	learn: 0.0497498	total: 39.5s	remaining: 18.2s
685:	learn: 0.0497449	total: 39.5s	remaining: 18.1s
686:	learn: 0.0496756	total: 39.6s	remaining: 18s
687:	learn: 0.0495673	total: 39.6s	remaining: 18s
688:	learn: 0.0494929	total: 39.7s	remaining: 17.9s
689:	learn: 0.0494407	total: 39.7s	remaining: 17.8s
690:	learn: 0.0494292	total: 39.7s	remaining: 17.8s
691:	learn: 0.0493586	total: 39.7s	remaining: 17.7s
692:	learn: 0.0492727	total: 39.8s	remaining: 17.6s
693:	learn: 0.0492411	total: 39.8s	remaining: 17.5s
694:	learn: 0.0491586	total: 39.8s	remaining: 17.5s
695:	learn: 0.0490804	total: 39.8s	remaining: 17.4s
696:	learn: 0.0490520	total: 39.9s	remaining: 17.3s
697:	learn: 0.0490236	total: 39.9s	remaining: 17.3s
698:	learn: 0.0490050	total: 39.9s	remaining: 17.2s
699:	learn: 0.0490007	total: 39.9s	remaining: 17.1s
700:	learn: 0.0489045	total: 40s	remaining: 17s
701:	learn: 0.0488460	total: 40s	remaining: 17s
702:	learn: 0.0487490	total: 40s	remaining: 16.9s
703:	learn: 0.0487124	total: 40.1s	remaining: 16.8s
704:	learn: 0.0487081	total: 40.1s	remaining: 16.8s
705:	learn: 0.0487051	total: 40.1s	remaining: 16.7s
706:	learn: 0.0486608	total: 40.1s	remaining: 16.6s
707:	learn: 0.0485746	total: 40.1s	remaining: 16.6s
708:	learn: 0.0484862	total: 40.2s	remaining: 16.5s
709:	learn: 0.0484834	total: 40.2s	remaining: 16.4s
710:	learn: 0.0484531	total: 40.2s	remaining: 16.3s
711:	learn: 0.0483800	total: 40.2s	remaining: 16.3s
712:	learn: 0.0483068	total: 40.2s	remaining: 16.2s
713:	learn: 0.0482924	total: 40.3s	remaining: 16.1s
714:	learn: 0.0482494	total: 40.3s	remaining: 16.1s
715:	learn: 0.0481740	total: 40.3s	remaining: 16s
716:	learn: 0.0481044	total: 40.3s	remaining: 15.9s
717:	learn: 0.0480500	total: 40.4s	remaining: 15.9s
718:	learn: 0.0479968	total: 40.4s	remaining: 15.8s
719:	learn: 0.0479514	total: 40.4s	remaining: 15.7s
720:	learn: 0.0478926	total: 40.4s	remaining: 15.6s
721:	learn: 0.0477712	total: 40.5s	remaining: 15.6s
722:	learn: 0.0477068	total: 40.5s	remaining: 15.5s
723:	learn: 0.0476595	total: 40.5s	remaining: 15.4s
724:	learn: 0.0475752	total: 40.5s	remaining: 15.4s
725:	learn: 0.0475731	total: 40.6s	remaining: 15.3s
726:	learn: 0.0474824	total: 40.6s	remaining: 15.2s
727:	learn: 0.0474627	total: 40.6s	remaining: 15.2s
728:	learn: 0.0474590	total: 40.6s	remaining: 15.1s
729:	learn: 0.0474101	total: 40.7s	remaining: 15.1s
730:	learn: 0.0473641	total: 40.7s	remaining: 15s
731:	learn: 0.0473270	total: 40.8s	remaining: 14.9s
732:	learn: 0.0472547	total: 40.8s	remaining: 14.9s
733:	learn: 0.0471962	total: 40.9s	remaining: 14.8s
734:	learn: 0.0471176	total: 41s	remaining: 14.8s
735:	learn: 0.0470689	total: 41s	remaining: 14.7s
736:	learn: 0.0470186	total: 41s	remaining: 14.6s
737:	learn: 0.0469983	total: 41.1s	remaining: 14.6s
738:	learn: 0.0468833	total: 41.1s	remaining: 14.5s
739:	learn: 0.0468124	total: 41.2s	remaining: 14.5s

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740: learn: 0.0467493    total: 41.2s  remaining: 14.4s
741: learn: 0.0467382    total: 41.2s  remaining: 14.3s
742: learn: 0.0466786    total: 41.3s  remaining: 14.3s
743: learn: 0.0465995    total: 41.4s  remaining: 14.2s
744: learn: 0.0465385    total: 41.4s  remaining: 14.2s
745: learn: 0.0464647    total: 41.5s  remaining: 14.1s
746: learn: 0.0464007    total: 41.5s  remaining: 14.1s
747: learn: 0.0463425    total: 41.6s  remaining: 14s
748: learn: 0.0463247    total: 41.6s  remaining: 13.9s
749: learn: 0.0462861    total: 41.6s  remaining: 13.9s
750: learn: 0.0462666    total: 41.6s  remaining: 13.8s
751: learn: 0.0462011    total: 41.7s  remaining: 13.8s
752: learn: 0.0461753    total: 41.8s  remaining: 13.7s
753: learn: 0.0461338    total: 41.8s  remaining: 13.6s
754: learn: 0.0460842    total: 41.9s  remaining: 13.6s
755: learn: 0.0460221    total: 41.9s  remaining: 13.5s
756: learn: 0.0459728    total: 41.9s  remaining: 13.5s
757: learn: 0.0459172    total: 42s   remaining: 13.4s
758: learn: 0.0458583    total: 42s   remaining: 13.3s
759: learn: 0.0458201    total: 42s   remaining: 13.3s
760: learn: 0.0457485    total: 42.1s  remaining: 13.2s
761: learn: 0.0456644    total: 42.1s  remaining: 13.2s
762: learn: 0.0456086    total: 42.1s  remaining: 13.1s
763: learn: 0.0455409    total: 42.1s  remaining: 13s
764: learn: 0.0454736    total: 42.2s  remaining: 13s
765: learn: 0.0454055    total: 42.2s  remaining: 12.9s
766: learn: 0.0453508    total: 42.2s  remaining: 12.8s
767: learn: 0.0452706    total: 42.3s  remaining: 12.8s
768: learn: 0.0452678    total: 42.3s  remaining: 12.7s
769: learn: 0.0452338    total: 42.4s  remaining: 12.7s
770: learn: 0.0451822    total: 42.4s  remaining: 12.6s
771: learn: 0.0451074    total: 42.5s  remaining: 12.6s
772: learn: 0.0450432    total: 42.5s  remaining: 12.5s
773: learn: 0.0450400    total: 42.6s  remaining: 12.4s
774: learn: 0.0450039    total: 42.7s  remaining: 12.4s
775: learn: 0.0449241    total: 42.8s  remaining: 12.3s
776: learn: 0.0448694    total: 42.9s  remaining: 12.3s
777: learn: 0.0448263    total: 42.9s  remaining: 12.2s
778: learn: 0.0447439    total: 42.9s  remaining: 12.2s
779: learn: 0.0447413    total: 42.9s  remaining: 12.1s
780: learn: 0.0446820    total: 43s   remaining: 12s
781: learn: 0.0445967    total: 43s   remaining: 12s
782: learn: 0.0445592    total: 43.1s  remaining: 11.9s
783: learn: 0.0444612    total: 43.1s  remaining: 11.9s
784: learn: 0.0443840    total: 43.1s  remaining: 11.8s
785: learn: 0.0443185    total: 43.2s  remaining: 11.8s
786: learn: 0.0442499    total: 43.2s  remaining: 11.7s
787: learn: 0.0442260    total: 43.2s  remaining: 11.6s
788: learn: 0.0441861    total: 43.2s  remaining: 11.6s
789: learn: 0.0441380    total: 43.3s  remaining: 11.5s
790: learn: 0.0440850    total: 43.3s  remaining: 11.4s
791: learn: 0.0440629    total: 43.3s  remaining: 11.4s
691: learn: 0.0428080    total: 45.1s  remaining: 20.1s
692: learn: 0.0427285    total: 45.1s  remaining: 20s
693: learn: 0.0426991    total: 45.1s  remaining: 19.9s
694: learn: 0.0426412    total: 45.1s  remaining: 19.8s
695: learn: 0.0426151    total: 45.2s  remaining: 19.7s
696: learn: 0.0425452    total: 45.2s  remaining: 19.6s
697: learn: 0.0424801    total: 45.2s  remaining: 19.6s
698: learn: 0.0424424    total: 45.2s  remaining: 19.5s
699: learn: 0.0423636    total: 45.2s  remaining: 19.4s
700: learn: 0.0422941    total: 45.2s  remaining: 19.3s
701: learn: 0.0422339    total: 45.3s  remaining: 19.2s
702: learn: 0.0422029    total: 45.3s  remaining: 19.1s

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		houses_kaggle_competition_refined
703:	learn: 0.0421834	total: 45.4s remaining: 19.1s
704:	learn: 0.0421168	total: 45.4s remaining: 19s
705:	learn: 0.0420967	total: 45.4s remaining: 18.9s
706:	learn: 0.0420230	total: 45.4s remaining: 18.8s
707:	learn: 0.0419817	total: 45.4s remaining: 18.7s
708:	learn: 0.0419075	total: 45.5s remaining: 18.7s
709:	learn: 0.0418144	total: 45.5s remaining: 18.6s
710:	learn: 0.0417820	total: 45.6s remaining: 18.5s
711:	learn: 0.0417544	total: 45.7s remaining: 18.5s
712:	learn: 0.0417051	total: 45.7s remaining: 18.4s
713:	learn: 0.0416910	total: 45.7s remaining: 18.3s
714:	learn: 0.0416008	total: 45.8s remaining: 18.2s
715:	learn: 0.0415560	total: 45.8s remaining: 18.2s
716:	learn: 0.0414873	total: 45.9s remaining: 18.1s
717:	learn: 0.0413817	total: 45.9s remaining: 18s
718:	learn: 0.0413308	total: 45.9s remaining: 17.9s
719:	learn: 0.0413002	total: 45.9s remaining: 17.8s
720:	learn: 0.0412254	total: 45.9s remaining: 17.8s
721:	learn: 0.0412191	total: 46s remaining: 17.7s
722:	learn: 0.0411407	total: 46s remaining: 17.6s
723:	learn: 0.0410711	total: 46s remaining: 17.6s
724:	learn: 0.0410264	total: 46.1s remaining: 17.5s
725:	learn: 0.0409413	total: 46.1s remaining: 17.4s
726:	learn: 0.0408461	total: 46.1s remaining: 17.3s
727:	learn: 0.0407448	total: 46.1s remaining: 17.2s
728:	learn: 0.0406777	total: 46.2s remaining: 17.2s
729:	learn: 0.0406305	total: 46.2s remaining: 17.1s
730:	learn: 0.0405687	total: 46.2s remaining: 17s
731:	learn: 0.0404942	total: 46.2s remaining: 16.9s
732:	learn: 0.0404359	total: 46.2s remaining: 16.8s
733:	learn: 0.0403820	total: 46.3s remaining: 16.8s
734:	learn: 0.0403140	total: 46.3s remaining: 16.7s
735:	learn: 0.0402550	total: 46.3s remaining: 16.6s
736:	learn: 0.0401851	total: 46.3s remaining: 16.5s
737:	learn: 0.0401728	total: 46.3s remaining: 16.5s
738:	learn: 0.0401152	total: 46.4s remaining: 16.4s
739:	learn: 0.0400739	total: 46.4s remaining: 16.3s
740:	learn: 0.0400145	total: 46.4s remaining: 16.2s
741:	learn: 0.0399334	total: 46.4s remaining: 16.1s
742:	learn: 0.0398527	total: 46.4s remaining: 16.1s
743:	learn: 0.0398362	total: 46.4s remaining: 16s
744:	learn: 0.0397762	total: 46.4s remaining: 15.9s
745:	learn: 0.0396918	total: 46.4s remaining: 15.8s
746:	learn: 0.0396692	total: 46.5s remaining: 15.7s
747:	learn: 0.0396072	total: 46.5s remaining: 15.7s
748:	learn: 0.0395582	total: 46.5s remaining: 15.6s
749:	learn: 0.0394715	total: 46.5s remaining: 15.5s
750:	learn: 0.0394121	total: 46.5s remaining: 15.4s
751:	learn: 0.0393607	total: 46.5s remaining: 15.3s
752:	learn: 0.0393305	total: 46.6s remaining: 15.3s
753:	learn: 0.0392831	total: 46.6s remaining: 15.2s
754:	learn: 0.0392386	total: 46.7s remaining: 15.1s
755:	learn: 0.0392007	total: 46.7s remaining: 15.1s
756:	learn: 0.0391455	total: 46.7s remaining: 15s
757:	learn: 0.0390736	total: 46.8s remaining: 14.9s
758:	learn: 0.0390163	total: 46.8s remaining: 14.9s
759:	learn: 0.0389982	total: 46.9s remaining: 14.8s
760:	learn: 0.0389353	total: 46.9s remaining: 14.7s
761:	learn: 0.0388675	total: 46.9s remaining: 14.7s
762:	learn: 0.0387998	total: 46.9s remaining: 14.6s
763:	learn: 0.0387566	total: 47s remaining: 14.5s
764:	learn: 0.0387143	total: 47.1s remaining: 14.5s
765:	learn: 0.0386608	total: 47.1s remaining: 14.4s
766:	learn: 0.0386061	total: 47.1s remaining: 14.3s

767:	learn: 0.0385430	total: 47.1s	remaining: 14.2s
768:	learn: 0.0384686	total: 47.2s	remaining: 14.2s
769:	learn: 0.0384091	total: 47.3s	remaining: 14.1s
770:	learn: 0.0383725	total: 47.3s	remaining: 14s
771:	learn: 0.0383171	total: 47.4s	remaining: 14s
772:	learn: 0.0382459	total: 47.4s	remaining: 13.9s
773:	learn: 0.0381952	total: 47.5s	remaining: 13.9s
774:	learn: 0.0381219	total: 47.5s	remaining: 13.8s
775:	learn: 0.0380486	total: 47.6s	remaining: 13.7s
776:	learn: 0.0380434	total: 47.6s	remaining: 13.7s
777:	learn: 0.0380260	total: 47.6s	remaining: 13.6s
778:	learn: 0.0379339	total: 47.7s	remaining: 13.5s
779:	learn: 0.0378656	total: 47.7s	remaining: 13.5s
780:	learn: 0.0378254	total: 47.8s	remaining: 13.4s
781:	learn: 0.0378051	total: 47.8s	remaining: 13.3s
782:	learn: 0.0377245	total: 47.9s	remaining: 13.3s
783:	learn: 0.0376398	total: 47.9s	remaining: 13.2s
784:	learn: 0.0375819	total: 47.9s	remaining: 13.1s
785:	learn: 0.0375115	total: 48s	remaining: 13.1s
786:	learn: 0.0374886	total: 48s	remaining: 13s
787:	learn: 0.0373993	total: 48s	remaining: 12.9s
788:	learn: 0.0373607	total: 48.1s	remaining: 12.9s
789:	learn: 0.0373215	total: 48.1s	remaining: 12.8s
790:	learn: 0.0372218	total: 48.1s	remaining: 12.7s
791:	learn: 0.0371785	total: 48.2s	remaining: 12.7s
792:	learn: 0.0371143	total: 48.2s	remaining: 12.6s
793:	learn: 0.0370595	total: 48.3s	remaining: 12.5s
794:	learn: 0.0369991	total: 48.3s	remaining: 12.4s
795:	learn: 0.0369494	total: 48.4s	remaining: 12.4s
796:	learn: 0.0368935	total: 48.4s	remaining: 12.3s
797:	learn: 0.0368308	total: 48.5s	remaining: 12.3s
798:	learn: 0.0367915	total: 48.5s	remaining: 12.2s
799:	learn: 0.0367417	total: 48.5s	remaining: 12.1s
800:	learn: 0.0366980	total: 48.6s	remaining: 12.1s
801:	learn: 0.0366273	total: 48.6s	remaining: 12s
802:	learn: 0.0365626	total: 48.7s	remaining: 11.9s
803:	learn: 0.0365111	total: 48.7s	remaining: 11.9s
804:	learn: 0.0364569	total: 48.8s	remaining: 11.8s
805:	learn: 0.0364080	total: 48.8s	remaining: 11.7s
806:	learn: 0.0363600	total: 48.8s	remaining: 11.7s
807:	learn: 0.0362782	total: 48.9s	remaining: 11.6s
808:	learn: 0.0362541	total: 49s	remaining: 11.6s
809:	learn: 0.0362130	total: 49s	remaining: 11.5s
810:	learn: 0.0361613	total: 49s	remaining: 11.4s
811:	learn: 0.0361540	total: 49s	remaining: 11.4s
812:	learn: 0.0361161	total: 49.1s	remaining: 11.3s
813:	learn: 0.0360366	total: 49.1s	remaining: 11.2s
814:	learn: 0.0359947	total: 49.2s	remaining: 11.2s
815:	learn: 0.0359421	total: 49.2s	remaining: 11.1s
816:	learn: 0.0358898	total: 49.3s	remaining: 11s
817:	learn: 0.0358453	total: 49.4s	remaining: 11s
818:	learn: 0.0358025	total: 49.5s	remaining: 10.9s
819:	learn: 0.0357420	total: 49.5s	remaining: 10.9s
820:	learn: 0.0357028	total: 49.6s	remaining: 10.8s
821:	learn: 0.0356801	total: 49.7s	remaining: 10.8s
822:	learn: 0.0356156	total: 49.7s	remaining: 10.7s
823:	learn: 0.0355632	total: 49.7s	remaining: 10.6s
824:	learn: 0.0355120	total: 49.7s	remaining: 10.5s
825:	learn: 0.0354648	total: 49.8s	remaining: 10.5s
826:	learn: 0.0354033	total: 49.8s	remaining: 10.4s
827:	learn: 0.0353471	total: 49.8s	remaining: 10.3s
828:	learn: 0.0352987	total: 49.9s	remaining: 10.3s
829:	learn: 0.0352680	total: 49.9s	remaining: 10.2s
830:	learn: 0.0352098	total: 49.9s	remaining: 10.2s

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831: learn: 0.0351519    total: 50s      remaining: 10.1s
832: learn: 0.0351153    total: 50s      remaining: 10s
833: learn: 0.0350908    total: 50s      remaining: 9.95s
834: learn: 0.0350192    total: 50s      remaining: 9.89s
835: learn: 0.0349716    total: 50.1s     remaining: 9.82s
836: learn: 0.0349283    total: 50.1s     remaining: 9.75s
837: learn: 0.0348549    total: 50.1s     remaining: 9.69s
838: learn: 0.0348074    total: 50.1s     remaining: 9.62s
839: learn: 0.0347472    total: 50.1s     remaining: 9.55s
840: learn: 0.0346986    total: 50.2s     remaining: 9.48s
841: learn: 0.0346340    total: 50.2s     remaining: 9.42s
842: learn: 0.0345947    total: 50.2s     remaining: 9.35s
843: learn: 0.0345553    total: 50.2s     remaining: 9.29s
844: learn: 0.0345152    total: 50.3s     remaining: 9.22s
845: learn: 0.0344494    total: 50.3s     remaining: 9.15s
846: learn: 0.0344022    total: 50.3s     remaining: 9.09s
847: learn: 0.0343343    total: 50.3s     remaining: 9.02s
848: learn: 0.0342821    total: 50.3s     remaining: 8.95s
792: learn: 0.0440061    total: 43.4s      remaining: 11.3s
793: learn: 0.0439412    total: 43.4s      remaining: 11.3s
794: learn: 0.0438936    total: 43.4s      remaining: 11.2s
795: learn: 0.0438506    total: 43.4s      remaining: 11.1s
796: learn: 0.0438166    total: 43.5s      remaining: 11.1s
797: learn: 0.0437927    total: 43.5s      remaining: 11s
798: learn: 0.0437295    total: 43.6s      remaining: 11s
799: learn: 0.0436696    total: 43.6s      remaining: 10.9s
800: learn: 0.0436095    total: 43.7s      remaining: 10.8s
801: learn: 0.0435670    total: 43.7s      remaining: 10.8s
802: learn: 0.0435273    total: 43.7s      remaining: 10.7s
803: learn: 0.0434683    total: 43.7s      remaining: 10.6s
804: learn: 0.0434010    total: 43.7s      remaining: 10.6s
805: learn: 0.0433469    total: 43.7s      remaining: 10.5s
806: learn: 0.0433278    total: 43.8s      remaining: 10.5s
807: learn: 0.0432639    total: 43.8s      remaining: 10.4s
808: learn: 0.0431994    total: 43.9s      remaining: 10.4s
809: learn: 0.0431156    total: 43.9s      remaining: 10.3s
810: learn: 0.0431123    total: 43.9s      remaining: 10.2s
811: learn: 0.0430846    total: 44s        remaining: 10.2s
812: learn: 0.0430094    total: 44s        remaining: 10.1s
813: learn: 0.0429313    total: 44s        remaining: 10.1s
814: learn: 0.0429281    total: 44.1s     remaining: 10s
815: learn: 0.0428491    total: 44.1s     remaining: 9.95s
816: learn: 0.0427499    total: 44.1s     remaining: 9.89s
817: learn: 0.0426929    total: 44.2s     remaining: 9.83s
818: learn: 0.0426488    total: 44.3s     remaining: 9.78s
819: learn: 0.0426297    total: 44.3s     remaining: 9.72s
820: learn: 0.0425574    total: 44.3s     remaining: 9.65s
821: learn: 0.0425538    total: 44.3s     remaining: 9.59s
822: learn: 0.0425202    total: 44.3s     remaining: 9.53s
823: learn: 0.0425020    total: 44.4s     remaining: 9.47s
824: learn: 0.0424663    total: 44.4s     remaining: 9.43s
825: learn: 0.0424040    total: 44.5s     remaining: 9.37s
826: learn: 0.0422886    total: 44.5s     remaining: 9.3s
827: learn: 0.0422351    total: 44.5s     remaining: 9.24s
828: learn: 0.0421921    total: 44.5s     remaining: 9.18s
829: learn: 0.0421227    total: 44.5s     remaining: 9.12s
830: learn: 0.0420693    total: 44.5s     remaining: 9.06s
831: learn: 0.0420158    total: 44.6s     remaining: 9s
832: learn: 0.0419491    total: 44.6s     remaining: 8.94s
833: learn: 0.0418873    total: 44.6s     remaining: 8.88s
834: learn: 0.0418260    total: 44.6s     remaining: 8.82s
835: learn: 0.0417617    total: 44.7s     remaining: 8.76s
836: learn: 0.0416924    total: 44.7s     remaining: 8.7s
837: learn: 0.0416153    total: 44.7s     remaining: 8.64s

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838: learn: 0.0415513    total: 44.7s  remaining: 8.58s
839: learn: 0.0415192    total: 44.7s  remaining: 8.52s
840: learn: 0.0414645    total: 44.8s  remaining: 8.47s
841: learn: 0.0414103    total: 44.8s  remaining: 8.41s
842: learn: 0.0413638    total: 44.9s  remaining: 8.36s
843: learn: 0.0413601    total: 44.9s  remaining: 8.3s
844: learn: 0.0413092    total: 44.9s  remaining: 8.24s
845: learn: 0.0412524    total: 44.9s  remaining: 8.18s
846: learn: 0.0412015    total: 45s    remaining: 8.12s
847: learn: 0.0411344    total: 45s    remaining: 8.06s
848: learn: 0.0410583    total: 45s    remaining: 8.01s
849: learn: 0.0410556    total: 45s    remaining: 7.95s
850: learn: 0.0410463    total: 45.1s  remaining: 7.89s
851: learn: 0.0409805    total: 45.1s  remaining: 7.83s
852: learn: 0.0409261    total: 45.1s  remaining: 7.77s
853: learn: 0.0408584    total: 45.1s  remaining: 7.71s
854: learn: 0.0408527    total: 45.2s  remaining: 7.66s
855: learn: 0.0407821    total: 45.2s  remaining: 7.61s
856: learn: 0.0407182    total: 45.3s  remaining: 7.55s
857: learn: 0.0407148    total: 45.3s  remaining: 7.49s
858: learn: 0.0406441    total: 45.3s  remaining: 7.44s
859: learn: 0.0405925    total: 45.3s  remaining: 7.38s
860: learn: 0.0405454    total: 45.3s  remaining: 7.32s
861: learn: 0.0405400    total: 45.4s  remaining: 7.26s
862: learn: 0.0404641    total: 45.4s  remaining: 7.2s
863: learn: 0.0404146    total: 45.4s  remaining: 7.15s
864: learn: 0.0404014    total: 45.4s  remaining: 7.09s
865: learn: 0.0403760    total: 45.4s  remaining: 7.03s
866: learn: 0.0403014    total: 45.5s  remaining: 6.98s
867: learn: 0.0402538    total: 45.5s  remaining: 6.92s
868: learn: 0.0402061    total: 45.5s  remaining: 6.86s
869: learn: 0.0401499    total: 45.5s  remaining: 6.8s
870: learn: 0.0401109    total: 45.6s  remaining: 6.75s
871: learn: 0.0400338    total: 45.6s  remaining: 6.69s
872: learn: 0.0399577    total: 45.6s  remaining: 6.63s
873: learn: 0.0398831    total: 45.6s  remaining: 6.58s
874: learn: 0.0398724    total: 45.6s  remaining: 6.52s
875: learn: 0.0398215    total: 45.7s  remaining: 6.46s
876: learn: 0.0397785    total: 45.7s  remaining: 6.41s
877: learn: 0.0397294    total: 45.8s  remaining: 6.36s
878: learn: 0.0397272    total: 45.8s  remaining: 6.31s
879: learn: 0.0396464    total: 45.8s  remaining: 6.25s
880: learn: 0.0396002    total: 45.9s  remaining: 6.19s
881: learn: 0.0395147    total: 45.9s  remaining: 6.14s
882: learn: 0.0394665    total: 45.9s  remaining: 6.09s
883: learn: 0.0394507    total: 46s    remaining: 6.03s
884: learn: 0.0393781    total: 46s    remaining: 5.97s
885: learn: 0.0393409    total: 46s    remaining: 5.92s
886: learn: 0.0392879    total: 46s    remaining: 5.86s
887: learn: 0.0392846    total: 46s    remaining: 5.8s
888: learn: 0.0392336    total: 46s    remaining: 5.74s
889: learn: 0.0391611    total: 46s    remaining: 5.69s
890: learn: 0.0390845    total: 46s    remaining: 5.63s
891: learn: 0.0390175    total: 46s    remaining: 5.57s
892: learn: 0.0389908    total: 46s    remaining: 5.52s
893: learn: 0.0389452    total: 46.1s  remaining: 5.46s
894: learn: 0.0389428    total: 46.1s  remaining: 5.41s
895: learn: 0.0389136    total: 46.1s  remaining: 5.36s
896: learn: 0.0388669    total: 46.2s  remaining: 5.3s
897: learn: 0.0388210    total: 46.2s  remaining: 5.25s
898: learn: 0.0387777    total: 46.2s  remaining: 5.19s
899: learn: 0.0387350    total: 46.2s  remaining: 5.14s
900: learn: 0.0386741    total: 46.3s  remaining: 5.08s
901: learn: 0.0386317    total: 46.3s  remaining: 5.03s

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902:	learn: 0.0385740	total: 46.3s	remaining: 4.97s
903:	learn: 0.0385292	total: 46.3s	remaining: 4.92s
904:	learn: 0.0385058	total: 46.4s	remaining: 4.87s
905:	learn: 0.0384721	total: 46.4s	remaining: 4.81s
906:	learn: 0.0384157	total: 46.4s	remaining: 4.76s
907:	learn: 0.0383783	total: 46.4s	remaining: 4.7s
908:	learn: 0.0383767	total: 46.4s	remaining: 4.65s
909:	learn: 0.0383112	total: 46.5s	remaining: 4.6s
910:	learn: 0.0382578	total: 46.5s	remaining: 4.54s
911:	learn: 0.0382053	total: 46.5s	remaining: 4.49s
912:	learn: 0.0381491	total: 46.6s	remaining: 4.44s
913:	learn: 0.0381014	total: 46.6s	remaining: 4.38s
914:	learn: 0.0380733	total: 46.6s	remaining: 4.33s
915:	learn: 0.0380218	total: 46.7s	remaining: 4.28s
916:	learn: 0.0379659	total: 46.7s	remaining: 4.22s
917:	learn: 0.0379304	total: 46.7s	remaining: 4.17s
918:	learn: 0.0378910	total: 46.7s	remaining: 4.12s
919:	learn: 0.0378275	total: 46.8s	remaining: 4.07s
920:	learn: 0.0377696	total: 46.8s	remaining: 4.01s
921:	learn: 0.0376897	total: 46.8s	remaining: 3.96s
922:	learn: 0.0376366	total: 46.9s	remaining: 3.91s
923:	learn: 0.0375733	total: 46.9s	remaining: 3.86s
924:	learn: 0.0375310	total: 46.9s	remaining: 3.8s
925:	learn: 0.0375112	total: 46.9s	remaining: 3.75s
926:	learn: 0.0374663	total: 47s	remaining: 3.7s
927:	learn: 0.0374174	total: 47s	remaining: 3.64s
928:	learn: 0.0373468	total: 47s	remaining: 3.59s
929:	learn: 0.0372990	total: 47s	remaining: 3.54s
930:	learn: 0.0372591	total: 47s	remaining: 3.48s
931:	learn: 0.0372104	total: 47s	remaining: 3.43s
932:	learn: 0.0371784	total: 47s	remaining: 3.38s
933:	learn: 0.0371406	total: 47s	remaining: 3.32s
934:	learn: 0.0371157	total: 47.1s	remaining: 3.27s
935:	learn: 0.0370695	total: 47.1s	remaining: 3.22s
936:	learn: 0.0370364	total: 47.1s	remaining: 3.16s
937:	learn: 0.0369921	total: 47.1s	remaining: 3.11s
938:	learn: 0.0369623	total: 47.1s	remaining: 3.06s
939:	learn: 0.0369294	total: 47.1s	remaining: 3.01s
940:	learn: 0.0369040	total: 47.1s	remaining: 2.95s
941:	learn: 0.0368501	total: 47.2s	remaining: 2.9s
942:	learn: 0.0367895	total: 47.2s	remaining: 2.85s
943:	learn: 0.0367704	total: 47.2s	remaining: 2.8s
944:	learn: 0.0367680	total: 47.2s	remaining: 2.75s
945:	learn: 0.0367182	total: 47.2s	remaining: 2.69s
946:	learn: 0.0367151	total: 47.3s	remaining: 2.65s
947:	learn: 0.0366797	total: 47.3s	remaining: 2.59s
948:	learn: 0.0366652	total: 47.3s	remaining: 2.54s
949:	learn: 0.0366623	total: 47.3s	remaining: 2.49s
847:	learn: 0.0345122	total: 47.3s	remaining: 8.48s
848:	learn: 0.0344911	total: 47.4s	remaining: 8.43s
849:	learn: 0.0344516	total: 47.5s	remaining: 8.38s
850:	learn: 0.0344022	total: 47.5s	remaining: 8.32s
851:	learn: 0.0343846	total: 47.6s	remaining: 8.26s
852:	learn: 0.0343529	total: 47.6s	remaining: 8.2s
853:	learn: 0.0342835	total: 47.6s	remaining: 8.14s
854:	learn: 0.0342447	total: 47.7s	remaining: 8.09s
855:	learn: 0.0342179	total: 47.7s	remaining: 8.03s
856:	learn: 0.0341807	total: 47.8s	remaining: 7.97s
857:	learn: 0.0341437	total: 47.9s	remaining: 7.92s
858:	learn: 0.0341122	total: 47.9s	remaining: 7.86s
859:	learn: 0.0340765	total: 47.9s	remaining: 7.79s
860:	learn: 0.0340217	total: 47.9s	remaining: 7.73s
861:	learn: 0.0339676	total: 47.9s	remaining: 7.67s
862:	learn: 0.0339436	total: 48s	remaining: 7.62s

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863: learn: 0.0338949    total: 48.1s  remaining: 7.57s
864: learn: 0.0338381    total: 48.1s  remaining: 7.51s
865: learn: 0.0337823    total: 48.2s  remaining: 7.46s
866: learn: 0.0337451    total: 48.2s  remaining: 7.4s
867: learn: 0.0336972    total: 48.2s  remaining: 7.34s
868: learn: 0.0336486    total: 48.3s  remaining: 7.28s
869: learn: 0.0336101    total: 48.4s  remaining: 7.23s
870: learn: 0.0335738    total: 48.4s  remaining: 7.17s
871: learn: 0.0335633    total: 48.4s  remaining: 7.11s
872: learn: 0.0335225    total: 48.5s  remaining: 7.05s
873: learn: 0.0334839    total: 48.5s  remaining: 7s
874: learn: 0.0334423    total: 48.5s  remaining: 6.93s
875: learn: 0.0334048    total: 48.6s  remaining: 6.88s
876: learn: 0.0333472    total: 48.7s  remaining: 6.82s
877: learn: 0.0333290    total: 48.7s  remaining: 6.76s
878: learn: 0.0332754    total: 48.7s  remaining: 6.71s
879: learn: 0.0332422    total: 48.8s  remaining: 6.65s
880: learn: 0.0331978    total: 48.8s  remaining: 6.59s
881: learn: 0.0331697    total: 48.8s  remaining: 6.53s
882: learn: 0.0331306    total: 48.8s  remaining: 6.47s
883: learn: 0.0330730    total: 48.8s  remaining: 6.41s
884: learn: 0.0330186    total: 48.9s  remaining: 6.35s
885: learn: 0.0329738    total: 48.9s  remaining: 6.29s
886: learn: 0.0329289    total: 48.9s  remaining: 6.23s
887: learn: 0.0328711    total: 49s   remaining: 6.18s
888: learn: 0.0328193    total: 49s   remaining: 6.12s
889: learn: 0.0327696    total: 49.1s  remaining: 6.07s
890: learn: 0.0327293    total: 49.1s  remaining: 6.01s
891: learn: 0.0326920    total: 49.1s  remaining: 5.95s
892: learn: 0.0326618    total: 49.2s  remaining: 5.89s
893: learn: 0.0326237    total: 49.3s  remaining: 5.84s
894: learn: 0.0325578    total: 49.4s  remaining: 5.79s
895: learn: 0.0325016    total: 49.4s  remaining: 5.74s
896: learn: 0.0324688    total: 49.5s  remaining: 5.68s
897: learn: 0.0324315    total: 49.6s  remaining: 5.64s
898: learn: 0.0323648    total: 49.7s  remaining: 5.58s
899: learn: 0.0323613    total: 49.7s  remaining: 5.52s
900: learn: 0.0323101    total: 49.7s  remaining: 5.46s
901: learn: 0.0322667    total: 49.8s  remaining: 5.41s
902: learn: 0.0322227    total: 49.8s  remaining: 5.35s
903: learn: 0.0321581    total: 49.9s  remaining: 5.3s
904: learn: 0.0321220    total: 49.9s  remaining: 5.24s
905: learn: 0.0320714    total: 49.9s  remaining: 5.18s
906: learn: 0.0320593    total: 50s   remaining: 5.12s
907: learn: 0.0320141    total: 50s   remaining: 5.06s
908: learn: 0.0319684    total: 50s   remaining: 5.01s
909: learn: 0.0319466    total: 50.1s  remaining: 4.95s
910: learn: 0.0318966    total: 50.1s  remaining: 4.89s
911: learn: 0.0318499    total: 50.1s  remaining: 4.83s
912: learn: 0.0318111    total: 50.2s  remaining: 4.78s
913: learn: 0.0317669    total: 50.2s  remaining: 4.72s
914: learn: 0.0317353    total: 50.2s  remaining: 4.67s
915: learn: 0.0316974    total: 50.3s  remaining: 4.61s
916: learn: 0.0316808    total: 50.3s  remaining: 4.55s
917: learn: 0.0316593    total: 50.3s  remaining: 4.5s
918: learn: 0.0316486    total: 50.4s  remaining: 4.44s
919: learn: 0.0315996    total: 50.4s  remaining: 4.38s
920: learn: 0.0315774    total: 50.5s  remaining: 4.33s
921: learn: 0.0315198    total: 50.5s  remaining: 4.27s
922: learn: 0.0314860    total: 50.5s  remaining: 4.21s
923: learn: 0.0314618    total: 50.6s  remaining: 4.16s
924: learn: 0.0314183    total: 50.6s  remaining: 4.1s
925: learn: 0.0313917    total: 50.7s  remaining: 4.05s
926: learn: 0.0313124    total: 50.7s  remaining: 3.99s

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927: learn: 0.0312861      total: 50.7s  remaining: 3.93s
928: learn: 0.0312443      total: 50.7s  remaining: 3.88s
929: learn: 0.0312005      total: 50.8s  remaining: 3.82s
930: learn: 0.0311745      total: 50.8s  remaining: 3.76s
931: learn: 0.0311650      total: 50.8s  remaining: 3.71s
932: learn: 0.0311086      total: 50.9s  remaining: 3.65s
933: learn: 0.0310330      total: 50.9s  remaining: 3.59s
934: learn: 0.0310081      total: 50.9s  remaining: 3.54s
935: learn: 0.0309972      total: 50.9s  remaining: 3.48s
936: learn: 0.0309543      total: 50.9s  remaining: 3.42s
937: learn: 0.0309161      total: 51s    remaining: 3.37s
938: learn: 0.0308824      total: 51s    remaining: 3.31s
939: learn: 0.0308221      total: 51s    remaining: 3.26s
940: learn: 0.0307718      total: 51.1s  remaining: 3.2s
941: learn: 0.0307399      total: 51.1s  remaining: 3.15s
942: learn: 0.0306718      total: 51.1s  remaining: 3.09s
943: learn: 0.0306646      total: 51.2s  remaining: 3.03s
944: learn: 0.0306491      total: 51.2s  remaining: 2.98s
945: learn: 0.0305962      total: 51.2s  remaining: 2.92s
946: learn: 0.0305543      total: 51.2s  remaining: 2.87s
947: learn: 0.0305154      total: 51.2s  remaining: 2.81s
948: learn: 0.0304950      total: 51.3s  remaining: 2.75s
949: learn: 0.0304501      total: 51.3s  remaining: 2.7s
950: learn: 0.0303917      total: 51.3s  remaining: 2.64s
951: learn: 0.0303690      total: 51.3s  remaining: 2.59s
952: learn: 0.0303406      total: 51.3s  remaining: 2.53s
953: learn: 0.0302939      total: 51.3s  remaining: 2.48s
954: learn: 0.0302385      total: 51.4s  remaining: 2.42s
955: learn: 0.0302134      total: 51.4s  remaining: 2.37s
956: learn: 0.0301480      total: 51.4s  remaining: 2.31s
957: learn: 0.0301014      total: 51.5s  remaining: 2.26s
958: learn: 0.0300520      total: 51.5s  remaining: 2.2s
959: learn: 0.0300163      total: 51.5s  remaining: 2.15s
960: learn: 0.0299610      total: 51.6s  remaining: 2.09s
961: learn: 0.0299266      total: 51.6s  remaining: 2.04s
962: learn: 0.0298901      total: 51.6s  remaining: 1.98s
963: learn: 0.0298695      total: 51.6s  remaining: 1.93s
964: learn: 0.0298330      total: 51.6s  remaining: 1.87s
965: learn: 0.0297964      total: 51.7s  remaining: 1.82s
966: learn: 0.0297587      total: 51.7s  remaining: 1.76s
967: learn: 0.0297217      total: 51.7s  remaining: 1.71s
968: learn: 0.0297076      total: 51.8s  remaining: 1.66s
969: learn: 0.0296451      total: 51.8s  remaining: 1.6s
970: learn: 0.0296040      total: 51.8s  remaining: 1.55s
971: learn: 0.0295583      total: 51.9s  remaining: 1.5s
972: learn: 0.0295216      total: 51.9s  remaining: 1.44s
973: learn: 0.0294832      total: 52s    remaining: 1.39s
974: learn: 0.0294508      total: 52s    remaining: 1.33s
975: learn: 0.0294075      total: 52s    remaining: 1.28s
976: learn: 0.0293602      total: 52s    remaining: 1.23s
977: learn: 0.0293179      total: 52.1s  remaining: 1.17s
978: learn: 0.0292713      total: 52.1s  remaining: 1.12s
979: learn: 0.0292405      total: 52.1s  remaining: 1.06s
980: learn: 0.0292060      total: 52.2s  remaining: 1.01s
981: learn: 0.0291920      total: 52.2s  remaining: 957ms
982: learn: 0.0291499      total: 52.2s  remaining: 903ms
983: learn: 0.0291056      total: 52.2s  remaining: 849ms
984: learn: 0.0290613      total: 52.3s  remaining: 796ms
985: learn: 0.0290426      total: 52.3s  remaining: 742ms
986: learn: 0.0289929      total: 52.3s  remaining: 689ms
987: learn: 0.0289685      total: 52.3s  remaining: 635ms
988: learn: 0.0289290      total: 52.4s  remaining: 582ms
989: learn: 0.0289057      total: 52.4s  remaining: 529ms
990: learn: 0.0288746      total: 52.4s  remaining: 476ms

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```

991: learn: 0.0288348
992: learn: 0.0287802
993: learn: 0.0287633
994: learn: 0.0287408
995: learn: 0.0286961
996: learn: 0.0286490
997: learn: 0.0286436
998: learn: 0.0286207
999: learn: 0.0285724
Learning rate set to 0.040504

0: learn: 0.3838651
1: learn: 0.3741477
2: learn: 0.3651831
3: learn: 0.3558795
850: learn: 0.0332585
851: learn: 0.0332189
852: learn: 0.0331864
853: learn: 0.0331153
854: learn: 0.0330457
855: learn: 0.0329812
856: learn: 0.0329355
857: learn: 0.0328901
858: learn: 0.0328294
859: learn: 0.0327862
860: learn: 0.0327377
861: learn: 0.0327333
862: learn: 0.0326777
863: learn: 0.0326735
864: learn: 0.0326301
865: learn: 0.0326267
866: learn: 0.0325905
867: learn: 0.0325374
868: learn: 0.0324828
869: learn: 0.0324206
870: learn: 0.0323884
871: learn: 0.0323112
872: learn: 0.0323075
873: learn: 0.0322610
874: learn: 0.0322118
875: learn: 0.0321552
876: learn: 0.0321150
877: learn: 0.0321115
878: learn: 0.0320656
879: learn: 0.0320429
880: learn: 0.0319847
881: learn: 0.0319823
882: learn: 0.0319415
883: learn: 0.0319030
884: learn: 0.0318489
885: learn: 0.0318223
886: learn: 0.0317789
887: learn: 0.0317170
888: learn: 0.0316588
889: learn: 0.0316055
890: learn: 0.0315260
891: learn: 0.0314674
892: learn: 0.0314148
893: learn: 0.0313899
894: learn: 0.0313514
895: learn: 0.0312925
896: learn: 0.0312302
897: learn: 0.0311687
898: learn: 0.0311101
899: learn: 0.0310732

houses_kaggle_competition_refined

total: 52.4s    remaining: 423ms
total: 52.4s    remaining: 370ms
total: 52.4s    remaining: 317ms
total: 52.5s    remaining: 264ms
total: 52.5s    remaining: 211ms
total: 52.5s    remaining: 158ms
total: 52.6s    remaining: 105ms
total: 52.6s    remaining: 52.7ms
total: 52.6s    remaining: 0us

total: 102ms   remaining: 1m 42s
total: 121ms   remaining: 1m
total: 150ms   remaining: 49.9s
total: 187ms   remaining: 46.5s
total: 48.5s   remaining: 8.49s
total: 48.5s   remaining: 8.42s
total: 48.5s   remaining: 8.36s
total: 48.5s   remaining: 8.3s
total: 48.5s   remaining: 8.23s
total: 48.6s   remaining: 8.17s
total: 48.6s   remaining: 8.11s
total: 48.6s   remaining: 8.05s
total: 48.7s   remaining: 7.99s
total: 48.7s   remaining: 7.92s
total: 48.7s   remaining: 7.86s
total: 48.7s   remaining: 7.8s
total: 48.7s   remaining: 7.74s
total: 48.7s   remaining: 7.67s
total: 48.8s   remaining: 7.61s
total: 48.8s   remaining: 7.56s
total: 48.9s   remaining: 7.5s
total: 48.9s   remaining: 7.44s
total: 48.9s   remaining: 7.38s
total: 49s      remaining: 7.32s
total: 49s      remaining: 7.26s
total: 49.1s   remaining: 7.21s
total: 49.2s   remaining: 7.15s
total: 49.2s   remaining: 7.09s
total: 49.3s   remaining: 7.04s
total: 49.3s   remaining: 6.97s
total: 49.3s   remaining: 6.92s
total: 49.4s   remaining: 6.86s
total: 49.4s   remaining: 6.8s
total: 49.4s   remaining: 6.74s
total: 49.5s   remaining: 6.68s
total: 49.5s   remaining: 6.62s
total: 49.5s   remaining: 6.56s
total: 49.6s   remaining: 6.51s
total: 49.6s   remaining: 6.45s
total: 49.6s   remaining: 6.39s
total: 49.7s   remaining: 6.33s
total: 49.7s   remaining: 6.27s
total: 49.7s   remaining: 6.21s
total: 49.8s   remaining: 6.15s
total: 49.8s   remaining: 6.1s
total: 49.9s   remaining: 6.04s
total: 49.9s   remaining: 5.98s
total: 49.9s   remaining: 5.92s
total: 50s      remaining: 5.86s
total: 50s      remaining: 5.8s
total: 50s      remaining: 5.74s
total: 50s      remaining: 5.68s
total: 50s      remaining: 5.62s
total: 50s      remaining: 5.56s

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900: learn: 0.0310708      total: 50.1s    remaining: 5.5s
901: learn: 0.0309972      total: 50.1s    remaining: 5.44s
902: learn: 0.0309644      total: 50.2s    remaining: 5.39s
903: learn: 0.0309610      total: 50.2s    remaining: 5.33s
904: learn: 0.0309076      total: 50.2s    remaining: 5.27s
905: learn: 0.0309037      total: 50.2s    remaining: 5.21s
906: learn: 0.0308707      total: 50.3s    remaining: 5.15s
907: learn: 0.0308208      total: 50.3s    remaining: 5.09s
908: learn: 0.0307745      total: 50.3s    remaining: 5.04s
909: learn: 0.0307393      total: 50.4s    remaining: 4.98s
910: learn: 0.0306905      total: 50.4s    remaining: 4.93s
911: learn: 0.0306536      total: 50.5s    remaining: 4.87s
912: learn: 0.0306014      total: 50.5s    remaining: 4.81s
913: learn: 0.0305552      total: 50.5s    remaining: 4.75s
914: learn: 0.0305188      total: 50.6s    remaining: 4.7s
915: learn: 0.0304631      total: 50.6s    remaining: 4.64s
916: learn: 0.0304288      total: 50.6s    remaining: 4.58s
917: learn: 0.0303878      total: 50.6s    remaining: 4.52s
918: learn: 0.0303514      total: 50.7s    remaining: 4.47s
919: learn: 0.0302781      total: 50.7s    remaining: 4.41s
920: learn: 0.0302182      total: 50.7s    remaining: 4.35s
921: learn: 0.0301782      total: 50.8s    remaining: 4.3s
922: learn: 0.0301317      total: 50.8s    remaining: 4.24s
923: learn: 0.0300938      total: 50.9s    remaining: 4.18s
924: learn: 0.0300345      total: 50.9s    remaining: 4.13s
925: learn: 0.0299998      total: 50.9s    remaining: 4.07s
926: learn: 0.0299377      total: 50.9s    remaining: 4.01s
927: learn: 0.0298999      total: 50.9s    remaining: 3.95s
928: learn: 0.0298669      total: 51s      remaining: 3.89s
929: learn: 0.0298271      total: 51s      remaining: 3.83s
930: learn: 0.0297675      total: 51s      remaining: 3.78s
931: learn: 0.0297315      total: 51s      remaining: 3.72s
932: learn: 0.0296972      total: 51s      remaining: 3.66s
933: learn: 0.0296250      total: 51s      remaining: 3.61s
934: learn: 0.0295832      total: 51.1s   remaining: 3.55s
935: learn: 0.0295716      total: 51.1s   remaining: 3.49s
936: learn: 0.0295692      total: 51.1s   remaining: 3.44s
937: learn: 0.0295029      total: 51.2s   remaining: 3.38s
938: learn: 0.0294504      total: 51.2s   remaining: 3.32s
939: learn: 0.0294156      total: 51.2s   remaining: 3.27s
940: learn: 0.0293895      total: 51.2s   remaining: 3.21s
941: learn: 0.0293524      total: 51.3s   remaining: 3.15s
942: learn: 0.0293090      total: 51.3s   remaining: 3.1s
943: learn: 0.0292804      total: 51.3s   remaining: 3.04s
944: learn: 0.0292607      total: 51.3s   remaining: 2.99s
945: learn: 0.0292176      total: 51.4s   remaining: 2.93s
946: learn: 0.0291776      total: 51.4s   remaining: 2.88s
947: learn: 0.0291336      total: 51.4s   remaining: 2.82s
948: learn: 0.0291217      total: 51.4s   remaining: 2.76s
949: learn: 0.0290628      total: 51.5s   remaining: 2.71s
950: learn: 0.0290355      total: 51.5s   remaining: 2.65s
951: learn: 0.0289999      total: 51.5s   remaining: 2.6s
952: learn: 0.0289325      total: 51.5s   remaining: 2.54s
953: learn: 0.0288900      total: 51.6s   remaining: 2.48s
954: learn: 0.0288855      total: 51.6s   remaining: 2.43s
955: learn: 0.0288565      total: 51.6s   remaining: 2.38s
956: learn: 0.0288408      total: 51.7s   remaining: 2.32s
957: learn: 0.0288388      total: 51.7s   remaining: 2.27s
958: learn: 0.0288139      total: 51.8s   remaining: 2.21s
959: learn: 0.0287770      total: 51.8s   remaining: 2.16s
960: learn: 0.0287197      total: 51.8s   remaining: 2.1s
961: learn: 0.0287129      total: 51.8s   remaining: 2.04s
962: learn: 0.0286807      total: 51.9s   remaining: 1.99s
963: learn: 0.0286343      total: 51.9s   remaining: 1.94s

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964: learn: 0.0285780      total: 52s      remaining: 1.88s
965: learn: 0.0285589      total: 52s      remaining: 1.83s
966: learn: 0.0285467      total: 52s      remaining: 1.77s
967: learn: 0.0284721      total: 52.1s     remaining: 1.72s
968: learn: 0.0284303      total: 52.1s     remaining: 1.67s
969: learn: 0.0283793      total: 52.1s     remaining: 1.61s
970: learn: 0.0283763      total: 52.1s     remaining: 1.56s
971: learn: 0.0283234      total: 52.1s     remaining: 1.5s
972: learn: 0.0282993      total: 52.1s     remaining: 1.45s
973: learn: 0.0282743      total: 52.1s     remaining: 1.39s
974: learn: 0.0282109      total: 52.1s     remaining: 1.34s
975: learn: 0.0281699      total: 52.1s     remaining: 1.28s
976: learn: 0.0281365      total: 52.2s     remaining: 1.23s
977: learn: 0.0280978      total: 52.2s     remaining: 1.17s
978: learn: 0.0280613      total: 52.2s     remaining: 1.12s
979: learn: 0.0280166      total: 52.2s     remaining: 1.06s
980: learn: 0.0279819      total: 52.2s     remaining: 1.01s
981: learn: 0.0279272      total: 52.3s     remaining: 959ms
982: learn: 0.0278974      total: 52.3s     remaining: 905ms
983: learn: 0.0278626      total: 52.4s     remaining: 852ms
984: learn: 0.0278256      total: 52.4s     remaining: 798ms
985: learn: 0.0277758      total: 52.4s     remaining: 744ms
986: learn: 0.0277444      total: 52.4s     remaining: 691ms
987: learn: 0.0277340      total: 52.5s     remaining: 637ms
988: learn: 0.0277082      total: 52.5s     remaining: 584ms
989: learn: 0.0276624      total: 52.5s     remaining: 530ms
990: learn: 0.0276559      total: 52.6s     remaining: 478ms
991: learn: 0.0276271      total: 52.6s     remaining: 424ms
992: learn: 0.0275922      total: 52.6s     remaining: 371ms
993: learn: 0.0275521      total: 52.7s     remaining: 318ms
994: learn: 0.0275391      total: 52.7s     remaining: 265ms
995: learn: 0.0274797      total: 52.7s     remaining: 212ms
996: learn: 0.0274665      total: 52.8s     remaining: 159ms
997: learn: 0.0274221      total: 52.8s     remaining: 106ms
998: learn: 0.0273743      total: 52.8s     remaining: 52.9ms
999: learn: 0.0273327      total: 52.8s     remaining: 0us

Learning rate set to 0.040504
0: learn: 0.3857636      total: 96.9ms    remaining: 1m 36s
1: learn: 0.3760166      total: 171ms     remaining: 1m 25s
2: learn: 0.3671201      total: 217ms     remaining: 1m 12s
3: learn: 0.3579139      total: 238ms     remaining: 59.2s
4: learn: 0.3485593      total: 260ms     remaining: 51.8s
5: learn: 0.3411126      total: 270ms     remaining: 44.8s
6: learn: 0.3330816      total: 318ms     remaining: 45s
7: learn: 0.3253982      total: 390ms     remaining: 48.4s
847: learn: 0.0365091      total: 49.2s     remaining: 8.81s
848: learn: 0.0365061      total: 49.2s     remaining: 8.75s
849: learn: 0.0365034      total: 49.2s     remaining: 8.69s
850: learn: 0.0364225      total: 49.3s     remaining: 8.63s
851: learn: 0.0363411      total: 49.3s     remaining: 8.56s
852: learn: 0.0362807      total: 49.3s     remaining: 8.5s
853: learn: 0.0362365      total: 49.4s     remaining: 8.44s
854: learn: 0.0361769      total: 49.4s     remaining: 8.37s
855: learn: 0.0361741      total: 49.4s     remaining: 8.31s
856: learn: 0.0360890      total: 49.4s     remaining: 8.24s
857: learn: 0.0360388      total: 49.4s     remaining: 8.18s
858: learn: 0.0359880      total: 49.5s     remaining: 8.12s
859: learn: 0.0359854      total: 49.6s     remaining: 8.07s
860: learn: 0.0359813      total: 49.7s     remaining: 8.02s
861: learn: 0.0359786      total: 49.7s     remaining: 7.96s
862: learn: 0.0359336      total: 49.8s     remaining: 7.9s
863: learn: 0.0359023      total: 49.8s     remaining: 7.84s
864: learn: 0.0358473      total: 50s       remaining: 7.8s
865: learn: 0.0357886      total: 50s       remaining: 7.74s

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866: learn: 0.0357499    total: 50s      remaining: 7.67s
867: learn: 0.0357183    total: 50s      remaining: 7.61s
868: learn: 0.0356637    total: 50.1s     remaining: 7.55s
869: learn: 0.0356268    total: 50.1s     remaining: 7.49s
870: learn: 0.0356012    total: 50.2s     remaining: 7.43s
871: learn: 0.0355386    total: 50.2s     remaining: 7.37s
872: learn: 0.0355168    total: 50.2s     remaining: 7.3s
873: learn: 0.0355075    total: 50.2s     remaining: 7.24s
874: learn: 0.0354652    total: 50.2s     remaining: 7.18s
875: learn: 0.0353906    total: 50.3s     remaining: 7.11s
876: learn: 0.0353633    total: 50.3s     remaining: 7.05s
877: learn: 0.0353242    total: 50.3s     remaining: 6.99s
878: learn: 0.0353219    total: 50.3s     remaining: 6.93s
879: learn: 0.0352759    total: 50.3s     remaining: 6.87s
880: learn: 0.0352417    total: 50.4s     remaining: 6.8s
881: learn: 0.0351886    total: 50.4s     remaining: 6.74s
882: learn: 0.0351513    total: 50.4s     remaining: 6.68s
883: learn: 0.0351493    total: 50.4s     remaining: 6.62s
884: learn: 0.0351017    total: 50.5s     remaining: 6.56s
885: learn: 0.0350692    total: 50.5s     remaining: 6.5s
886: learn: 0.0350583    total: 50.6s     remaining: 6.44s
887: learn: 0.0350136    total: 50.6s     remaining: 6.38s
888: learn: 0.0349690    total: 50.6s     remaining: 6.32s
889: learn: 0.0349559    total: 50.7s     remaining: 6.27s
890: learn: 0.0349536    total: 50.7s     remaining: 6.21s
891: learn: 0.0349125    total: 50.8s     remaining: 6.14s
892: learn: 0.0348689    total: 50.8s     remaining: 6.09s
893: learn: 0.0348113    total: 50.9s     remaining: 6.04s
894: learn: 0.0347709    total: 50.9s     remaining: 5.97s
895: learn: 0.0347273    total: 50.9s     remaining: 5.91s
896: learn: 0.0347015    total: 51s       remaining: 5.86s
897: learn: 0.0346789    total: 51s       remaining: 5.79s
898: learn: 0.0346541    total: 51.1s     remaining: 5.74s
899: learn: 0.0346141    total: 51.1s     remaining: 5.67s
900: learn: 0.0345809    total: 51.1s     remaining: 5.61s
901: learn: 0.0345438    total: 51.1s     remaining: 5.56s
902: learn: 0.0344923    total: 51.2s     remaining: 5.5s
903: learn: 0.0344204    total: 51.2s     remaining: 5.44s
904: learn: 0.0343773    total: 51.2s     remaining: 5.38s
905: learn: 0.0343066    total: 51.2s     remaining: 5.32s
906: learn: 0.0342394    total: 51.3s     remaining: 5.26s
907: learn: 0.0341621    total: 51.3s     remaining: 5.2s
908: learn: 0.0341128    total: 51.3s     remaining: 5.13s
909: learn: 0.0340672    total: 51.3s     remaining: 5.07s
910: learn: 0.0340313    total: 51.3s     remaining: 5.01s
911: learn: 0.0340036    total: 51.4s     remaining: 4.96s
912: learn: 0.0339555    total: 51.4s     remaining: 4.9s
913: learn: 0.0339241    total: 51.4s     remaining: 4.84s
914: learn: 0.0339221    total: 51.5s     remaining: 4.78s
915: learn: 0.0338688    total: 51.5s     remaining: 4.72s
916: learn: 0.0338332    total: 51.5s     remaining: 4.66s
917: learn: 0.0337953    total: 51.5s     remaining: 4.6s
918: learn: 0.0337594    total: 51.5s     remaining: 4.54s
919: learn: 0.0337042    total: 51.6s     remaining: 4.49s
920: learn: 0.0337007    total: 51.6s     remaining: 4.43s
921: learn: 0.0336870    total: 51.7s     remaining: 4.37s
922: learn: 0.0336497    total: 51.7s     remaining: 4.31s
923: learn: 0.0335834    total: 51.7s     remaining: 4.25s
924: learn: 0.0335807    total: 51.7s     remaining: 4.19s
925: learn: 0.0335286    total: 51.8s     remaining: 4.13s
926: learn: 0.0334961    total: 51.8s     remaining: 4.08s
927: learn: 0.0334942    total: 51.8s     remaining: 4.02s
928: learn: 0.0334581    total: 51.8s     remaining: 3.96s
929: learn: 0.0334309    total: 51.9s     remaining: 3.9s

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930: learn: 0.0333801      total: 51.9s  remaining: 3.84s
931: learn: 0.0333527      total: 52s    remaining: 3.79s
932: learn: 0.0333511      total: 52s    remaining: 3.73s
933: learn: 0.0333494      total: 52s    remaining: 3.68s
934: learn: 0.0333174      total: 52.1s   remaining: 3.62s
935: learn: 0.0332705      total: 52.1s   remaining: 3.56s
936: learn: 0.0332565      total: 52.1s   remaining: 3.5s
937: learn: 0.0332176      total: 52.2s   remaining: 3.45s
938: learn: 0.0331796      total: 52.2s   remaining: 3.39s
939: learn: 0.0331393      total: 52.3s   remaining: 3.34s
940: learn: 0.0330841      total: 52.3s   remaining: 3.28s
941: learn: 0.0330499      total: 52.3s   remaining: 3.22s
942: learn: 0.0330270      total: 52.3s   remaining: 3.16s
943: learn: 0.0329920      total: 52.4s   remaining: 3.11s
944: learn: 0.0329416      total: 52.4s   remaining: 3.05s
945: learn: 0.0328893      total: 52.4s   remaining: 2.99s
946: learn: 0.0328345      total: 52.4s   remaining: 2.93s
947: learn: 0.0328073      total: 52.4s   remaining: 2.88s
948: learn: 0.0327668      total: 52.5s   remaining: 2.82s
949: learn: 0.0327616      total: 52.5s   remaining: 2.76s
950: learn: 0.0327442      total: 52.5s   remaining: 2.71s
951: learn: 0.0326956      total: 52.5s   remaining: 2.65s
952: learn: 0.0326328      total: 52.6s   remaining: 2.59s
953: learn: 0.0326015      total: 52.6s   remaining: 2.54s
954: learn: 0.0325995      total: 52.6s   remaining: 2.48s
955: learn: 0.0325626      total: 52.6s   remaining: 2.42s
956: learn: 0.0325207      total: 52.7s   remaining: 2.37s
957: learn: 0.0324912      total: 52.7s   remaining: 2.31s
958: learn: 0.0324888      total: 52.7s   remaining: 2.25s
959: learn: 0.0324506      total: 52.7s   remaining: 2.2s
960: learn: 0.0324213      total: 52.8s   remaining: 2.14s
961: learn: 0.0324184      total: 52.8s   remaining: 2.08s
962: learn: 0.0323861      total: 52.8s   remaining: 2.03s
963: learn: 0.0323507      total: 52.8s   remaining: 1.97s
964: learn: 0.0323067      total: 52.8s   remaining: 1.92s
965: learn: 0.0323038      total: 52.8s   remaining: 1.86s
966: learn: 0.0322515      total: 52.8s   remaining: 1.8s
967: learn: 0.0322042      total: 52.9s   remaining: 1.75s
968: learn: 0.0321703      total: 52.9s   remaining: 1.69s
969: learn: 0.0321520      total: 52.9s   remaining: 1.64s
970: learn: 0.0321091      total: 52.9s   remaining: 1.58s
971: learn: 0.0320615      total: 53s    remaining: 1.52s
972: learn: 0.0320352      total: 53s    remaining: 1.47s
973: learn: 0.0320331      total: 53s    remaining: 1.42s
974: learn: 0.0320131      total: 53s    remaining: 1.36s
975: learn: 0.0319808      total: 53s    remaining: 1.3s
976: learn: 0.0319572      total: 53.1s   remaining: 1.25s
977: learn: 0.0319256      total: 53.1s   remaining: 1.19s
978: learn: 0.0318981      total: 53.1s   remaining: 1.14s
979: learn: 0.0318781      total: 53.2s   remaining: 1.08s
980: learn: 0.0318764      total: 53.2s   remaining: 1.03s
981: learn: 0.0318109      total: 53.2s   remaining: 976ms
982: learn: 0.0318093      total: 53.3s   remaining: 922ms
983: learn: 0.0317873      total: 53.3s   remaining: 867ms
984: learn: 0.0317725      total: 53.4s   remaining: 813ms
985: learn: 0.0317128      total: 53.4s   remaining: 758ms
986: learn: 0.0316612      total: 53.4s   remaining: 703ms
987: learn: 0.0316453      total: 53.4s   remaining: 649ms
988: learn: 0.0315790      total: 53.5s   remaining: 595ms
989: learn: 0.0315353      total: 53.5s   remaining: 540ms
990: learn: 0.0315079      total: 53.5s   remaining: 486ms
991: learn: 0.0314522      total: 53.5s   remaining: 432ms
992: learn: 0.0314266      total: 53.6s   remaining: 378ms
993: learn: 0.0314181      total: 53.6s   remaining: 324ms

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994: learn: 0.0313765
995: learn: 0.0313314
996: learn: 0.0313002
997: learn: 0.0312988
998: learn: 0.0312484
999: learn: 0.0312036
Learning rate set to 0.040504
0: learn: 0.3914415
1: learn: 0.3816963
2: learn: 0.3718351
3: learn: 0.3627342
849: learn: 0.0342450
850: learn: 0.0341836
851: learn: 0.0341611
852: learn: 0.0341164
853: learn: 0.0340856
854: learn: 0.0340791
855: learn: 0.0340505
856: learn: 0.0340428
857: learn: 0.0339845
858: learn: 0.0339474
859: learn: 0.0338832
860: learn: 0.0338444
861: learn: 0.0338026
862: learn: 0.0337499
863: learn: 0.0337077
864: learn: 0.0336693
865: learn: 0.0336563
866: learn: 0.0336512
867: learn: 0.0336091
868: learn: 0.0335802
869: learn: 0.0335178
870: learn: 0.0334680
871: learn: 0.0334579
872: learn: 0.0334349
873: learn: 0.0334081
874: learn: 0.0333630
875: learn: 0.0333377
876: learn: 0.0332990
877: learn: 0.0332529
878: learn: 0.0331964
879: learn: 0.0331449
880: learn: 0.0331263
881: learn: 0.0331212
882: learn: 0.0330955
883: learn: 0.0330558
884: learn: 0.0329926
885: learn: 0.0329603
886: learn: 0.0329048
887: learn: 0.0328914
888: learn: 0.0328432
889: learn: 0.0328064
890: learn: 0.0327592
891: learn: 0.0327115
892: learn: 0.0326665
893: learn: 0.0326444
894: learn: 0.0325998
895: learn: 0.0325249
896: learn: 0.0324881
897: learn: 0.0324741
898: learn: 0.0324544
899: learn: 0.0324082
900: learn: 0.0323966
901: learn: 0.0323305

total: 53.7s    remaining: 270ms
total: 53.7s    remaining: 216ms
total: 53.7s    remaining: 162ms
total: 53.8s    remaining: 108ms
total: 53.8s    remaining: 53.8ms
total: 53.8s    remaining: 0us

total: 191ms   remaining: 3m 11s
total: 278ms   remaining: 2m 18s
total: 298ms   remaining: 1m 39s
total: 323ms   remaining: 1m 20s
total: 50.4s    remaining: 8.89s
total: 50.4s    remaining: 8.83s
total: 50.5s    remaining: 8.77s
total: 50.5s    remaining: 8.7s
total: 50.5s    remaining: 8.64s
total: 50.6s    remaining: 8.57s
total: 50.6s    remaining: 8.51s
total: 50.6s    remaining: 8.45s
total: 50.6s    remaining: 8.38s
total: 50.7s    remaining: 8.32s
total: 50.7s    remaining: 8.26s
total: 50.8s    remaining: 8.19s
total: 50.8s    remaining: 8.13s
total: 50.8s    remaining: 8.06s
total: 50.8s    remaining: 8s
total: 50.9s    remaining: 7.94s
total: 50.9s    remaining: 7.87s
total: 50.9s    remaining: 7.81s
total: 50.9s    remaining: 7.75s
total: 50.9s    remaining: 7.68s
total: 51s      remaining: 7.62s
total: 51s      remaining: 7.55s
total: 51s      remaining: 7.49s
total: 51s      remaining: 7.42s
total: 51s      remaining: 7.36s
total: 51.1s   remaining: 7.3s
total: 51.1s   remaining: 7.24s
total: 51.2s   remaining: 7.18s
total: 51.2s   remaining: 7.11s
total: 51.2s   remaining: 7.05s
total: 51.2s   remaining: 6.99s
total: 51.2s   remaining: 6.92s
total: 51.2s   remaining: 6.85s
total: 51.2s   remaining: 6.79s
total: 51.2s   remaining: 6.72s
total: 51.3s   remaining: 6.66s
total: 51.3s   remaining: 6.6s
total: 51.3s   remaining: 6.53s
total: 51.3s   remaining: 6.47s
total: 51.3s   remaining: 6.41s
total: 51.4s   remaining: 6.35s
total: 51.4s   remaining: 6.29s
total: 51.4s   remaining: 6.23s
total: 51.5s   remaining: 6.17s
total: 51.6s   remaining: 6.11s
total: 51.6s   remaining: 6.05s
total: 51.6s   remaining: 5.99s
total: 51.6s   remaining: 5.93s
total: 51.6s   remaining: 5.87s
total: 51.7s   remaining: 5.81s
total: 51.8s   remaining: 5.75s
total: 51.8s   remaining: 5.69s
total: 51.9s   remaining: 5.63s

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902: learn: 0.0323228    total: 51.9s   remaining: 5.57s
903: learn: 0.0322715    total: 51.9s   remaining: 5.51s
904: learn: 0.0322502    total: 51.9s   remaining: 5.45s
905: learn: 0.0322248    total: 52s     remaining: 5.39s
906: learn: 0.0321698    total: 52s     remaining: 5.33s
907: learn: 0.0321422    total: 52s     remaining: 5.27s
908: learn: 0.0320803    total: 52.1s   remaining: 5.21s
909: learn: 0.0320539    total: 52.1s   remaining: 5.15s
910: learn: 0.0320133    total: 52.1s   remaining: 5.09s
911: learn: 0.0319826    total: 52.2s   remaining: 5.03s
912: learn: 0.0319372    total: 52.2s   remaining: 4.97s
913: learn: 0.0318947    total: 52.2s   remaining: 4.92s
914: learn: 0.0318553    total: 52.3s   remaining: 4.86s
915: learn: 0.0318340    total: 52.3s   remaining: 4.8s
916: learn: 0.0317752    total: 52.4s   remaining: 4.74s
917: learn: 0.0317341    total: 52.4s   remaining: 4.68s
918: learn: 0.0316818    total: 52.4s   remaining: 4.62s
919: learn: 0.0316523    total: 52.4s   remaining: 4.56s
920: learn: 0.0315915    total: 52.5s   remaining: 4.5s
921: learn: 0.0315551    total: 52.5s   remaining: 4.44s
922: learn: 0.0315294    total: 52.5s   remaining: 4.38s
923: learn: 0.0314471    total: 52.6s   remaining: 4.32s
924: learn: 0.0313763    total: 52.6s   remaining: 4.26s
925: learn: 0.0313510    total: 52.6s   remaining: 4.21s
926: learn: 0.0313008    total: 52.7s   remaining: 4.15s
927: learn: 0.0312593    total: 52.7s   remaining: 4.09s
928: learn: 0.0312210    total: 52.7s   remaining: 4.03s
929: learn: 0.0311887    total: 52.7s   remaining: 3.97s
930: learn: 0.0311350    total: 52.8s   remaining: 3.91s
931: learn: 0.0311020    total: 52.9s   remaining: 3.86s
932: learn: 0.0310614    total: 52.9s   remaining: 3.8s
933: learn: 0.0310205    total: 52.9s   remaining: 3.74s
934: learn: 0.0310076    total: 53s     remaining: 3.68s
935: learn: 0.0309638    total: 53s     remaining: 3.62s
936: learn: 0.0309053    total: 53s     remaining: 3.56s
937: learn: 0.0308958    total: 53s     remaining: 3.5s
938: learn: 0.0308427    total: 53s     remaining: 3.44s
939: learn: 0.0308096    total: 53s     remaining: 3.38s
940: learn: 0.0307744    total: 53s     remaining: 3.33s
941: learn: 0.0307090    total: 53.1s   remaining: 3.27s
942: learn: 0.0306705    total: 53.1s   remaining: 3.21s
943: learn: 0.0306044    total: 53.1s   remaining: 3.15s
944: learn: 0.0305641    total: 53.1s   remaining: 3.09s
945: learn: 0.0305315    total: 53.1s   remaining: 3.03s
946: learn: 0.0304858    total: 53.2s   remaining: 2.97s
947: learn: 0.0304410    total: 53.2s   remaining: 2.92s
948: learn: 0.0303978    total: 53.2s   remaining: 2.86s
949: learn: 0.0303693    total: 53.2s   remaining: 2.8s
950: learn: 0.0303649    total: 53.3s   remaining: 2.75s
951: learn: 0.0302951    total: 53.3s   remaining: 2.69s
952: learn: 0.0302486    total: 53.4s   remaining: 2.63s
953: learn: 0.0301970    total: 53.4s   remaining: 2.57s
954: learn: 0.0301338    total: 53.4s   remaining: 2.52s
955: learn: 0.0301230    total: 53.5s   remaining: 2.46s
956: learn: 0.0300725    total: 53.5s   remaining: 2.4s
957: learn: 0.0300583    total: 53.6s   remaining: 2.35s
958: learn: 0.0300211    total: 53.6s   remaining: 2.29s
959: learn: 0.0299719    total: 53.6s   remaining: 2.23s
960: learn: 0.0299285    total: 53.6s   remaining: 2.18s
961: learn: 0.0298909    total: 53.7s   remaining: 2.12s
962: learn: 0.0298373    total: 53.8s   remaining: 2.06s
963: learn: 0.0297997    total: 53.8s   remaining: 2.01s
964: learn: 0.0297696    total: 53.8s   remaining: 1.95s
965: learn: 0.0297556    total: 53.8s   remaining: 1.89s

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966: learn: 0.0297234    total: 53.8s    remaining: 1.84s
967: learn: 0.0296959    total: 53.9s    remaining: 1.78s
968: learn: 0.0296894    total: 53.9s    remaining: 1.72s
969: learn: 0.0296476    total: 53.9s    remaining: 1.67s
970: learn: 0.0296075    total: 53.9s    remaining: 1.61s
971: learn: 0.0295854    total: 53.9s    remaining: 1.55s
972: learn: 0.0295313    total: 53.9s    remaining: 1.5s
973: learn: 0.0294460    total: 54s      remaining: 1.44s
974: learn: 0.0294108    total: 54s      remaining: 1.38s
975: learn: 0.0293662    total: 54s      remaining: 1.33s
976: learn: 0.0293343    total: 54s      remaining: 1.27s
977: learn: 0.0292958    total: 54.1s    remaining: 1.22s
978: learn: 0.0292667    total: 54.1s    remaining: 1.16s
979: learn: 0.0292552    total: 54.1s    remaining: 1.1s
980: learn: 0.0292215    total: 54.1s    remaining: 1.05s
981: learn: 0.0292068    total: 54.1s    remaining: 993ms
982: learn: 0.0291663    total: 54.2s    remaining: 937ms
983: learn: 0.0291149    total: 54.2s    remaining: 881ms
984: learn: 0.0290782    total: 54.2s    remaining: 826ms
985: learn: 0.0290354    total: 54.3s    remaining: 771ms
986: learn: 0.0289882    total: 54.3s    remaining: 716ms
987: learn: 0.0289571    total: 54.3s    remaining: 660ms
988: learn: 0.0288979    total: 54.4s    remaining: 605ms
989: learn: 0.0288598    total: 54.5s    remaining: 550ms
990: learn: 0.0288318    total: 54.5s    remaining: 495ms
991: learn: 0.0288062    total: 54.5s    remaining: 440ms
992: learn: 0.0287668    total: 54.5s    remaining: 384ms
993: learn: 0.0287036    total: 54.5s    remaining: 329ms
994: learn: 0.0286902    total: 54.6s    remaining: 274ms
995: learn: 0.0286570    total: 54.6s    remaining: 219ms
996: learn: 0.0286280    total: 54.7s    remaining: 165ms
997: learn: 0.0285959    total: 54.7s    remaining: 110ms
998: learn: 0.0285552    total: 54.8s    remaining: 54.8ms
999: learn: 0.0285368    total: 54.8s    remaining: 0us

Learning rate set to 0.040504
0: learn: 0.3755257    total: 223ms   remaining: 3m 42s
1: learn: 0.3662295    total: 319ms   remaining: 2m 39s
2: learn: 0.3577816    total: 476ms   remaining: 2m 38s
3: learn: 0.3489432    total: 528ms   remaining: 2m 11s
4: learn: 0.3415761    total: 564ms   remaining: 1m 52s
5: learn: 0.3338150    total: 737ms   remaining: 2m 2s
6: learn: 0.3253763    total: 780ms   remaining: 1m 50s

```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
```

```
    warnings.warn(
```

```

4:    learn: 0.3471326      total: 222ms   remaining: 44.3s
5:    learn: 0.3387158      total: 259ms   remaining: 42.9s
6:    learn: 0.3307451      total: 273ms   remaining: 38.7s
7:    learn: 0.3227775      total: 291ms   remaining: 36s
8:    learn: 0.3161316      total: 312ms   remaining: 34.3s
9:    learn: 0.3090751      total: 356ms   remaining: 35.2s
10:   learn: 0.3014729      total: 378ms   remaining: 34s
11:   learn: 0.2948393      total: 417ms   remaining: 34.4s
12:   learn: 0.2885903      total: 443ms   remaining: 33.6s
13:   learn: 0.2820502      total: 454ms   remaining: 32s
14:   learn: 0.2765078      total: 472ms   remaining: 31s
15:   learn: 0.2709840      total: 499ms   remaining: 30.7s
16:   learn: 0.2652090      total: 513ms   remaining: 29.7s
17:   learn: 0.2597812      total: 548ms   remaining: 29.9s
18:   learn: 0.2549810      total: 612ms   remaining: 31.6s
19:   learn: 0.2505266      total: 641ms   remaining: 31.4s
20:   learn: 0.2454759      total: 658ms   remaining: 30.7s
21:   learn: 0.2412261      total: 669ms   remaining: 29.7s
22:   learn: 0.2367143      total: 710ms   remaining: 30.1s
23:   learn: 0.2326903      total: 733ms   remaining: 29.8s
24:   learn: 0.2286725      total: 757ms   remaining: 29.5s
25:   learn: 0.2247502      total: 784ms   remaining: 29.4s
26:   learn: 0.2205416      total: 798ms   remaining: 28.7s
27:   learn: 0.2168223      total: 820ms   remaining: 28.5s
28:   learn: 0.2133126      total: 828ms   remaining: 27.7s
29:   learn: 0.2102999      total: 845ms   remaining: 27.3s
30:   learn: 0.2069523      total: 860ms   remaining: 26.9s
31:   learn: 0.2038480      total: 893ms   remaining: 27s
32:   learn: 0.2010508      total: 915ms   remaining: 26.8s
33:   learn: 0.1980710      total: 955ms   remaining: 27.1s
34:   learn: 0.1950155      total: 1.01s   remaining: 27.8s
35:   learn: 0.1924264      total: 1.03s   remaining: 27.5s
36:   learn: 0.1895501      total: 1.11s   remaining: 28.9s
37:   learn: 0.1870682      total: 1.17s   remaining: 29.7s
38:   learn: 0.1845955      total: 1.29s   remaining: 31.8s
39:   learn: 0.1825030      total: 1.35s   remaining: 32.5s
40:   learn: 0.1798492      total: 1.36s   remaining: 31.8s
41:   learn: 0.1777127      total: 1.39s   remaining: 31.7s
42:   learn: 0.1754646      total: 1.4s    remaining: 31.1s
43:   learn: 0.1733004      total: 1.42s   remaining: 30.8s
44:   learn: 0.1711447      total: 1.44s   remaining: 30.6s
45:   learn: 0.1693850      total: 1.48s   remaining: 30.7s
46:   learn: 0.1675420      total: 1.52s   remaining: 30.9s
47:   learn: 0.1656896      total: 1.57s   remaining: 31.1s
48:   learn: 0.1639818      total: 1.6s    remaining: 31s
49:   learn: 0.1622615      total: 1.69s   remaining: 32.1s
50:   learn: 0.1605841      total: 1.73s   remaining: 32.1s
51:   learn: 0.1590360      total: 1.74s   remaining: 31.8s
52:   learn: 0.1573682      total: 1.75s   remaining: 31.3s
53:   learn: 0.1559684      total: 1.79s   remaining: 31.4s
54:   learn: 0.1546576      total: 1.8s    remaining: 30.9s
55:   learn: 0.1531295      total: 1.87s   remaining: 31.5s
56:   learn: 0.1516647      total: 1.88s   remaining: 31.1s
57:   learn: 0.1504909      total: 1.94s   remaining: 31.5s
58:   learn: 0.1492883      total: 1.94s   remaining: 31s
59:   learn: 0.1480262      total: 1.99s   remaining: 31.1s
60:   learn: 0.1468216      total: 2.03s   remaining: 31.3s
61:   learn: 0.1455928      total: 2.05s   remaining: 31s
62:   learn: 0.1445819      total: 2.1s    remaining: 31.2s
63:   learn: 0.1434133      total: 2.13s   remaining: 31.2s
64:   learn: 0.1422939      total: 2.15s   remaining: 30.9s
65:   learn: 0.1412867      total: 2.19s   remaining: 30.9s
66:   learn: 0.1403067      total: 2.23s   remaining: 31s
67:   learn: 0.1392920      total: 2.24s   remaining: 30.7s

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68: learn: 0.1383100    total: 2.26s  remaining: 30.5s
69: learn: 0.1374320    total: 2.27s  remaining: 30.2s
70: learn: 0.1366616    total: 2.32s  remaining: 30.3s
71: learn: 0.1356683    total: 2.36s  remaining: 30.4s
72: learn: 0.1345845    total: 2.4s   remaining: 30.5s
73: learn: 0.1339446    total: 2.41s  remaining: 30.2s
74: learn: 0.1330361    total: 2.44s  remaining: 30.1s
75: learn: 0.1322485    total: 2.45s  remaining: 29.8s
76: learn: 0.1314250    total: 2.49s  remaining: 29.9s
77: learn: 0.1305393    total: 2.52s  remaining: 29.8s
78: learn: 0.1297697    total: 2.54s  remaining: 29.6s
79: learn: 0.1288540    total: 2.57s  remaining: 29.5s
80: learn: 0.1281300    total: 2.58s  remaining: 29.2s
81: learn: 0.1273543    total: 2.62s  remaining: 29.3s
82: learn: 0.1264258    total: 2.65s  remaining: 29.3s
83: learn: 0.1256312    total: 2.68s  remaining: 29.2s
84: learn: 0.1250418    total: 2.72s  remaining: 29.3s
85: learn: 0.1244415    total: 2.75s  remaining: 29.2s
86: learn: 0.1239783    total: 2.75s  remaining: 28.9s
87: learn: 0.1232485    total: 2.78s  remaining: 28.8s
88: learn: 0.1228150    total: 2.79s  remaining: 28.5s
89: learn: 0.1223301    total: 2.79s  remaining: 28.2s
90: learn: 0.1218175    total: 2.8s   remaining: 27.9s
91: learn: 0.1212810    total: 2.82s  remaining: 27.8s
92: learn: 0.1208817    total: 2.83s  remaining: 27.6s
93: learn: 0.1201652    total: 2.83s  remaining: 27.3s
94: learn: 0.1196336    total: 2.84s  remaining: 27.1s
95: learn: 0.1192286    total: 2.86s  remaining: 26.9s
96: learn: 0.1186034    total: 2.9s   remaining: 27s
97: learn: 0.1183140    total: 2.91s  remaining: 26.8s
98: learn: 0.1178071    total: 2.92s  remaining: 26.6s
99: learn: 0.1172947    total: 2.95s  remaining: 26.6s
100: learn: 0.1169214   total: 2.97s  remaining: 26.4s
101: learn: 0.1164533   total: 2.99s  remaining: 26.3s
102: learn: 0.1159436   total: 3s    remaining: 26.1s
103: learn: 0.1154184   total: 3.02s  remaining: 26s
104: learn: 0.1150522   total: 3.02s  remaining: 25.8s
105: learn: 0.1145628   total: 3.04s  remaining: 25.7s
106: learn: 0.1141277   total: 3.12s  remaining: 26s
107: learn: 0.1136845   total: 3.13s  remaining: 25.9s
108: learn: 0.1130613   total: 3.15s  remaining: 25.8s
109: learn: 0.1126819   total: 3.18s  remaining: 25.7s
110: learn: 0.1122429   total: 3.2s   remaining: 25.6s
111: learn: 0.1116929   total: 3.21s  remaining: 25.5s
112: learn: 0.1113472   total: 3.24s  remaining: 25.5s
113: learn: 0.1110641   total: 3.27s  remaining: 25.4s
114: learn: 0.1108338   total: 3.28s  remaining: 25.3s
115: learn: 0.1104494   total: 3.36s  remaining: 25.6s
116: learn: 0.1101623   total: 3.4s   remaining: 25.7s
117: learn: 0.1098074   total: 3.43s  remaining: 25.6s
118: learn: 0.1094552   total: 3.47s  remaining: 25.7s
119: learn: 0.1091615   total: 3.53s  remaining: 25.9s
120: learn: 0.1086750   total: 3.58s  remaining: 26s
121: learn: 0.1082965   total: 3.59s  remaining: 25.9s
122: learn: 0.1080066   total: 3.64s  remaining: 26s
123: learn: 0.1075596   total: 3.65s  remaining: 25.8s
124: learn: 0.1072193   total: 3.68s  remaining: 25.8s
125: learn: 0.1068916   total: 3.71s  remaining: 25.7s
126: learn: 0.1065644   total: 3.77s  remaining: 25.9s
127: learn: 0.1060854   total: 3.86s  remaining: 26.3s
128: learn: 0.1058441   total: 3.89s  remaining: 26.3s
129: learn: 0.1055833   total: 3.93s  remaining: 26.3s
130: learn: 0.1053318   total: 3.95s  remaining: 26.2s
131: learn: 0.1049409   total: 3.98s  remaining: 26.2s

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132: learn: 0.1047358    total: 4.02s  remaining: 26.2s
133: learn: 0.1045045    total: 4.05s  remaining: 26.2s
134: learn: 0.1042330    total: 4.08s  remaining: 26.1s
135: learn: 0.1038038    total: 4.12s  remaining: 26.2s
136: learn: 0.1034825    total: 4.15s  remaining: 26.2s
137: learn: 0.1031970    total: 4.18s  remaining: 26.1s
138: learn: 0.1029179    total: 4.22s  remaining: 26.1s
139: learn: 0.1026312    total: 4.27s  remaining: 26.2s
140: learn: 0.1023214    total: 4.27s  remaining: 26s
141: learn: 0.1019807    total: 4.31s  remaining: 26s
142: learn: 0.1015672    total: 4.42s  remaining: 26.5s
143: learn: 0.1013621    total: 4.48s  remaining: 26.7s
144: learn: 0.1009829    total: 4.51s  remaining: 26.6s
145: learn: 0.1008131    total: 4.55s  remaining: 26.6s
146: learn: 0.1005466    total: 4.6s   remaining: 26.7s
147: learn: 0.1002865    total: 4.66s  remaining: 26.8s
148: learn: 0.1000385    total: 4.73s  remaining: 27s
149: learn: 0.0998792    total: 4.73s  remaining: 26.8s
150: learn: 0.0995867    total: 4.89s  remaining: 27.5s
151: learn: 0.0993942    total: 4.93s  remaining: 27.5s
152: learn: 0.0992037    total: 4.96s  remaining: 27.4s
153: learn: 0.0989887    total: 4.97s  remaining: 27.3s
154: learn: 0.0986834    total: 5.02s  remaining: 27.4s
155: learn: 0.0983871    total: 5.14s  remaining: 27.8s
156: learn: 0.0981594    total: 5.18s  remaining: 27.8s
157: learn: 0.0980194    total: 5.22s  remaining: 27.8s
158: learn: 0.0978407    total: 5.24s  remaining: 27.7s
159: learn: 0.0976400    total: 5.26s  remaining: 27.6s
160: learn: 0.0973983    total: 5.27s  remaining: 27.5s
161: learn: 0.0972025    total: 5.28s  remaining: 27.3s
162: learn: 0.0970151    total: 5.3s   remaining: 27.2s
163: learn: 0.0967514    total: 5.35s  remaining: 27.3s
8:   learn: 0.3176236    total: 398ms remaining: 43.8s
9:   learn: 0.3105292    total: 411ms remaining: 40.7s
10:  learn: 0.3041127    total: 436ms remaining: 39.2s
11:  learn: 0.2973572    total: 468ms remaining: 38.6s
12:  learn: 0.2916278    total: 497ms remaining: 37.7s
13:  learn: 0.2850587    total: 530ms remaining: 37.3s
14:  learn: 0.2789217    total: 595ms remaining: 39.1s
15:  learn: 0.2735421    total: 660ms remaining: 40.6s
16:  learn: 0.2680603    total: 729ms remaining: 42.1s
17:  learn: 0.2632814    total: 745ms remaining: 40.7s
18:  learn: 0.2585504    total: 761ms remaining: 39.3s
19:  learn: 0.2536652    total: 789ms remaining: 38.7s
20:  learn: 0.2490789    total: 810ms remaining: 37.7s
21:  learn: 0.2444239    total: 829ms remaining: 36.9s
22:  learn: 0.2399349    total: 861ms remaining: 36.6s
23:  learn: 0.2354386    total: 899ms remaining: 36.6s
24:  learn: 0.2311434    total: 935ms remaining: 36.5s
25:  learn: 0.2268369    total: 947ms remaining: 35.5s
26:  learn: 0.2229963    total: 954ms remaining: 34.4s
27:  learn: 0.2194021    total: 970ms remaining: 33.7s
28:  learn: 0.2157873    total: 983ms remaining: 32.9s
29:  learn: 0.2120879    total: 1.01s  remaining: 32.8s
30:  learn: 0.2086714    total: 1.09s  remaining: 34s
31:  learn: 0.2056062    total: 1.13s  remaining: 34.3s
32:  learn: 0.2025773    total: 1.16s  remaining: 33.9s
33:  learn: 0.1997239    total: 1.18s  remaining: 33.4s
34:  learn: 0.1968947    total: 1.2s   remaining: 33.1s
35:  learn: 0.1940861    total: 1.23s  remaining: 33s
36:  learn: 0.1916768    total: 1.28s  remaining: 33.3s
37:  learn: 0.1891469    total: 1.34s  remaining: 34s
38:  learn: 0.1865529    total: 1.37s  remaining: 33.8s
39:  learn: 0.1841885    total: 1.42s  remaining: 34.2s

```

```

40: learn: 0.1818712      total: 1.44s  remaining: 33.7s
41: learn: 0.1796873      total: 1.46s  remaining: 33.2s
42: learn: 0.1775081      total: 1.47s  remaining: 32.7s
43: learn: 0.1754460      total: 1.5s   remaining: 32.6s
44: learn: 0.1735687      total: 1.58s  remaining: 33.5s
45: learn: 0.1717851      total: 1.62s  remaining: 33.5s
46: learn: 0.1699161      total: 1.67s  remaining: 33.8s
47: learn: 0.1680238      total: 1.69s  remaining: 33.5s
48: learn: 0.1663095      total: 1.72s  remaining: 33.3s
49: learn: 0.1644064      total: 1.78s  remaining: 33.9s
50: learn: 0.1627751      total: 1.88s  remaining: 35s
51: learn: 0.1615823      total: 1.92s  remaining: 35.1s
52: learn: 0.1600694      total: 1.98s  remaining: 35.4s
53: learn: 0.1585598      total: 2.02s  remaining: 35.3s
54: learn: 0.1573865      total: 2.02s  remaining: 34.8s
55: learn: 0.1558084      total: 2.05s  remaining: 34.5s
56: learn: 0.1543713      total: 2.06s  remaining: 34.1s
57: learn: 0.1533848      total: 2.09s  remaining: 33.9s
58: learn: 0.1521390      total: 2.15s  remaining: 34.4s
59: learn: 0.1511924      total: 2.2s   remaining: 34.5s
60: learn: 0.1498530      total: 2.23s  remaining: 34.4s
61: learn: 0.1485933      total: 2.25s  remaining: 34.1s
62: learn: 0.1475947      total: 2.41s  remaining: 35.9s
63: learn: 0.1464025      total: 2.45s  remaining: 35.8s
64: learn: 0.1452300      total: 2.49s  remaining: 35.8s
65: learn: 0.1440865      total: 2.55s  remaining: 36.1s
66: learn: 0.1431084      total: 2.56s  remaining: 35.7s
67: learn: 0.1421291      total: 2.59s  remaining: 35.5s
68: learn: 0.1409953      total: 2.63s  remaining: 35.4s
69: learn: 0.1398660      total: 2.65s  remaining: 35.1s
70: learn: 0.1390070      total: 2.66s  remaining: 34.8s
71: learn: 0.1382726      total: 2.66s  remaining: 34.3s
72: learn: 0.1373276      total: 2.69s  remaining: 34.2s
73: learn: 0.1366243      total: 2.76s  remaining: 34.5s
74: learn: 0.1358258      total: 2.77s  remaining: 34.1s
75: learn: 0.1349095      total: 2.82s  remaining: 34.3s
76: learn: 0.1340983      total: 2.85s  remaining: 34.1s
77: learn: 0.1332543      total: 2.85s  remaining: 33.7s
78: learn: 0.1323994      total: 2.88s  remaining: 33.6s
79: learn: 0.1316505      total: 2.9s   remaining: 33.3s
80: learn: 0.1309252      total: 2.97s  remaining: 33.7s
81: learn: 0.1300166      total: 2.99s  remaining: 33.5s
82: learn: 0.1293262      total: 3.04s  remaining: 33.5s
83: learn: 0.1287450      total: 3.08s  remaining: 33.6s
84: learn: 0.1280512      total: 3.09s  remaining: 33.3s
85: learn: 0.1273697      total: 3.12s  remaining: 33.1s
86: learn: 0.1267014      total: 3.15s  remaining: 33.1s
87: learn: 0.1260549      total: 3.21s  remaining: 33.3s
88: learn: 0.1254072      total: 3.22s  remaining: 33s
89: learn: 0.1249277      total: 3.27s  remaining: 33s
90: learn: 0.1242592      total: 3.34s  remaining: 33.3s
91: learn: 0.1237070      total: 3.38s  remaining: 33.4s
92: learn: 0.1231439      total: 3.41s  remaining: 33.3s
93: learn: 0.1225128      total: 3.44s  remaining: 33.1s
94: learn: 0.1217229      total: 3.47s  remaining: 33.1s
95: learn: 0.1211501      total: 3.51s  remaining: 33.1s
96: learn: 0.1206154      total: 3.54s  remaining: 32.9s
97: learn: 0.1200910      total: 3.58s  remaining: 33s
98: learn: 0.1195857      total: 3.63s  remaining: 33.1s
99: learn: 0.1189415      total: 3.67s  remaining: 33s
100: learn: 0.1185296     total: 3.72s  remaining: 33.1s
101: learn: 0.1180052     total: 3.77s  remaining: 33.2s
102: learn: 0.1173809     total: 3.85s  remaining: 33.5s
103: learn: 0.1168499     total: 3.88s  remaining: 33.4s

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		houses_kaggle_competition_refined
104:	learn: 0.1164046	total: 3.91s remaining: 33.3s
105:	learn: 0.1160034	total: 3.97s remaining: 33.5s
106:	learn: 0.1156635	total: 4.01s remaining: 33.5s
107:	learn: 0.1152143	total: 4.06s remaining: 33.5s
108:	learn: 0.1147884	total: 4.13s remaining: 33.7s
109:	learn: 0.1143403	total: 4.15s remaining: 33.6s
110:	learn: 0.1139301	total: 4.17s remaining: 33.4s
111:	learn: 0.1134332	total: 4.19s remaining: 33.2s
112:	learn: 0.1130645	total: 4.22s remaining: 33.1s
113:	learn: 0.1126913	total: 4.25s remaining: 33s
114:	learn: 0.1122941	total: 4.32s remaining: 33.3s
115:	learn: 0.1117396	total: 4.39s remaining: 33.4s
116:	learn: 0.1112943	total: 4.41s remaining: 33.3s
117:	learn: 0.1109621	total: 4.43s remaining: 33.1s
118:	learn: 0.1105825	total: 4.47s remaining: 33.1s
119:	learn: 0.1102765	total: 4.49s remaining: 33s
120:	learn: 0.1099951	total: 4.52s remaining: 32.9s
121:	learn: 0.1097441	total: 4.57s remaining: 32.9s
122:	learn: 0.1094717	total: 4.59s remaining: 32.8s
123:	learn: 0.1089076	total: 4.67s remaining: 33s
124:	learn: 0.1085104	total: 4.71s remaining: 32.9s
125:	learn: 0.1081134	total: 4.75s remaining: 32.9s
126:	learn: 0.1077785	total: 4.78s remaining: 32.9s
127:	learn: 0.1075432	total: 4.81s remaining: 32.8s
128:	learn: 0.1071325	total: 4.89s remaining: 33s
129:	learn: 0.1067041	total: 4.95s remaining: 33.1s
130:	learn: 0.1064543	total: 4.97s remaining: 32.9s
131:	learn: 0.1060675	total: 5.05s remaining: 33.2s
132:	learn: 0.1057270	total: 5.09s remaining: 33.2s
133:	learn: 0.1053624	total: 5.14s remaining: 33.2s
134:	learn: 0.1050866	total: 5.17s remaining: 33.1s
135:	learn: 0.1047725	total: 5.23s remaining: 33.2s
136:	learn: 0.1045075	total: 5.26s remaining: 33.1s
137:	learn: 0.1041322	total: 5.29s remaining: 33.1s
138:	learn: 0.1038109	total: 5.32s remaining: 32.9s
139:	learn: 0.1035208	total: 5.36s remaining: 32.9s
140:	learn: 0.1031796	total: 5.38s remaining: 32.8s
141:	learn: 0.1029266	total: 5.41s remaining: 32.7s
142:	learn: 0.1025941	total: 5.46s remaining: 32.7s
143:	learn: 0.1023685	total: 5.46s remaining: 32.5s
144:	learn: 0.1021354	total: 5.5s remaining: 32.5s
145:	learn: 0.1018484	total: 5.61s remaining: 32.8s
146:	learn: 0.1015427	total: 5.66s remaining: 32.8s
147:	learn: 0.1012535	total: 5.73s remaining: 33s
148:	learn: 0.1008697	total: 5.81s remaining: 33.2s
149:	learn: 0.1005535	total: 5.82s remaining: 33s
150:	learn: 0.1004167	total: 5.83s remaining: 32.8s
151:	learn: 0.1002005	total: 5.89s remaining: 32.8s
152:	learn: 0.1000129	total: 5.92s remaining: 32.8s
153:	learn: 0.0998020	total: 5.94s remaining: 32.6s
154:	learn: 0.0995322	total: 6s remaining: 32.7s
155:	learn: 0.0992633	total: 6.03s remaining: 32.6s
156:	learn: 0.0989609	total: 6.04s remaining: 32.4s
157:	learn: 0.0987823	total: 6.04s remaining: 32.2s
158:	learn: 0.0984421	total: 6.06s remaining: 32.1s
159:	learn: 0.0981374	total: 6.08s remaining: 31.9s
160:	learn: 0.0978245	total: 6.15s remaining: 32s
161:	learn: 0.0976298	total: 6.17s remaining: 31.9s
162:	learn: 0.0972778	total: 6.24s remaining: 32.1s
163:	learn: 0.0970729	total: 6.3s remaining: 32.1s
164:	learn: 0.0968687	total: 6.34s remaining: 32.1s
165:	learn: 0.0967305	total: 6.38s remaining: 32s
166:	learn: 0.0965358	total: 6.45s remaining: 32.2s
167:	learn: 0.0962284	total: 6.5s remaining: 32.2s

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4:    learn: 0.3537650      total: 360ms   remaining: 1m 11s
5:    learn: 0.3447698      total: 373ms   remaining: 1m 1s
6:    learn: 0.3361374      total: 398ms   remaining: 56.4s
7:    learn: 0.3280473      total: 413ms   remaining: 51.2s
8:    learn: 0.3208126      total: 418ms   remaining: 46s
9:    learn: 0.3131597      total: 425ms   remaining: 42.1s
10:   learn: 0.3066206      total: 430ms   remaining: 38.7s
11:   learn: 0.3003512      total: 436ms   remaining: 35.9s
12:   learn: 0.2938113      total: 446ms   remaining: 33.9s
13:   learn: 0.2874295      total: 470ms   remaining: 33.1s
14:   learn: 0.2812019      total: 525ms   remaining: 34.5s
15:   learn: 0.2757252      total: 557ms   remaining: 34.2s
16:   learn: 0.2697784      total: 563ms   remaining: 32.6s
17:   learn: 0.2644469      total: 593ms   remaining: 32.4s
18:   learn: 0.2595477      total: 652ms   remaining: 33.7s
19:   learn: 0.2544967      total: 700ms   remaining: 34.3s
20:   learn: 0.2499787      total: 710ms   remaining: 33.1s
21:   learn: 0.2447314      total: 748ms   remaining: 33.3s
22:   learn: 0.2405224      total: 777ms   remaining: 33s
23:   learn: 0.2359088      total: 831ms   remaining: 33.8s
24:   learn: 0.2321444      total: 913ms   remaining: 35.6s
25:   learn: 0.2286369      total: 929ms   remaining: 34.8s
26:   learn: 0.2247016      total: 981ms   remaining: 35.4s
27:   learn: 0.2214994      total: 1.01s   remaining: 35.1s
28:   learn: 0.2181877      total: 1.09s   remaining: 36.4s
29:   learn: 0.2150246      total: 1.14s   remaining: 37s
30:   learn: 0.2115917      total: 1.23s   remaining: 38.4s
31:   learn: 0.2085413      total: 1.3s    remaining: 39.4s
32:   learn: 0.2054658      total: 1.34s   remaining: 39.3s
33:   learn: 0.2023378      total: 1.38s   remaining: 39.1s
34:   learn: 0.1991672      total: 1.41s   remaining: 38.8s
35:   learn: 0.1963815      total: 1.44s   remaining: 38.6s
36:   learn: 0.1934695      total: 1.47s   remaining: 38.2s
37:   learn: 0.1908205      total: 1.51s   remaining: 38.2s
38:   learn: 0.1884555      total: 1.58s   remaining: 39.1s
39:   learn: 0.1859062      total: 1.65s   remaining: 39.5s
40:   learn: 0.1838239      total: 1.73s   remaining: 40.5s
41:   learn: 0.1814489      total: 1.76s   remaining: 40.1s
42:   learn: 0.1791987      total: 1.86s   remaining: 41.4s
43:   learn: 0.1770025      total: 1.91s   remaining: 41.6s
44:   learn: 0.1750307      total: 1.94s   remaining: 41.1s
45:   learn: 0.1730625      total: 1.99s   remaining: 41.3s
46:   learn: 0.1712008      total: 2.03s   remaining: 41.2s
47:   learn: 0.1693146      total: 2.06s   remaining: 40.9s
48:   learn: 0.1674286      total: 2.18s   remaining: 42.3s
49:   learn: 0.1657786      total: 2.22s   remaining: 42.2s
50:   learn: 0.1640651      total: 2.27s   remaining: 42.3s
51:   learn: 0.1623338      total: 2.28s   remaining: 41.6s
52:   learn: 0.1606793      total: 2.29s   remaining: 40.8s
53:   learn: 0.1593196      total: 2.35s   remaining: 41.1s
54:   learn: 0.1579412      total: 2.37s   remaining: 40.7s
55:   learn: 0.1568180      total: 2.41s   remaining: 40.7s
56:   learn: 0.1556457      total: 2.43s   remaining: 40.3s
57:   learn: 0.1541580      total: 2.44s   remaining: 39.7s
58:   learn: 0.1529908      total: 2.53s   remaining: 40.3s
59:   learn: 0.1518557      total: 2.53s   remaining: 39.7s
60:   learn: 0.1507823      total: 2.57s   remaining: 39.6s
61:   learn: 0.1497435      total: 2.61s   remaining: 39.4s
62:   learn: 0.1484725      total: 2.64s   remaining: 39.3s
63:   learn: 0.1474275      total: 2.66s   remaining: 38.9s
64:   learn: 0.1464842      total: 2.67s   remaining: 38.3s
65:   learn: 0.1454951      total: 2.69s   remaining: 38s
66:   learn: 0.1446572      total: 2.77s   remaining: 38.7s
67:   learn: 0.1435669      total: 2.8s    remaining: 38.4s

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68: learn: 0.1424474    total: 2.84s  remaining: 38.3s
69: learn: 0.1415696    total: 2.92s  remaining: 38.8s
70: learn: 0.1407707    total: 2.97s  remaining: 38.9s
71: learn: 0.1397673    total: 2.99s  remaining: 38.6s
72: learn: 0.1390351    total: 3.01s  remaining: 38.3s
73: learn: 0.1381969    total: 3.04s  remaining: 38s
74: learn: 0.1376485    total: 3.09s  remaining: 38.1s
75: learn: 0.1369503    total: 3.12s  remaining: 38s
76: learn: 0.1362422    total: 3.16s  remaining: 37.9s
77: learn: 0.1354012    total: 3.17s  remaining: 37.4s
78: learn: 0.1345385    total: 3.2s   remaining: 37.4s
79: learn: 0.1337657    total: 3.23s  remaining: 37.1s
80: learn: 0.1330272    total: 3.27s  remaining: 37.1s
81: learn: 0.1323306    total: 3.29s  remaining: 36.9s
82: learn: 0.1315736    total: 3.35s  remaining: 37s
83: learn: 0.1308769    total: 3.37s  remaining: 36.8s
84: learn: 0.1303106    total: 3.4s   remaining: 36.6s
85: learn: 0.1296138    total: 3.44s  remaining: 36.6s
86: learn: 0.1290173    total: 3.46s  remaining: 36.3s
87: learn: 0.1284173    total: 3.5s   remaining: 36.3s
88: learn: 0.1277377    total: 3.51s  remaining: 36s
89: learn: 0.1270133    total: 3.55s  remaining: 35.9s
90: learn: 0.1264498    total: 3.64s  remaining: 36.4s
91: learn: 0.1259879    total: 3.67s  remaining: 36.3s
92: learn: 0.1256420    total: 3.71s  remaining: 36.2s
93: learn: 0.1250294    total: 3.77s  remaining: 36.4s
94: learn: 0.1244519    total: 3.83s  remaining: 36.5s
95: learn: 0.1239259    total: 3.85s  remaining: 36.2s
96: learn: 0.1233882    total: 3.92s  remaining: 36.5s
97: learn: 0.1229470    total: 3.98s  remaining: 36.6s
98: learn: 0.1224160    total: 3.98s  remaining: 36.2s
99: learn: 0.1219378    total: 4.03s  remaining: 36.2s
100: learn: 0.1212928   total: 4.12s  remaining: 36.7s
101: learn: 0.1209733   total: 4.17s  remaining: 36.7s
102: learn: 0.1204319   total: 4.25s  remaining: 37s
103: learn: 0.1199705   total: 4.3s   remaining: 37.1s
104: learn: 0.1195614   total: 4.36s  remaining: 37.1s
105: learn: 0.1191087   total: 4.37s  remaining: 36.9s
106: learn: 0.1185799   total: 4.43s  remaining: 37s
107: learn: 0.1181551   total: 4.46s  remaining: 36.8s
108: learn: 0.1176127   total: 4.55s  remaining: 37.2s
109: learn: 0.1170522   total: 4.56s  remaining: 36.9s
110: learn: 0.1166899   total: 4.63s  remaining: 37.1s
111: learn: 0.1163846   total: 4.65s  remaining: 36.9s
112: learn: 0.1160143   total: 4.69s  remaining: 36.8s
113: learn: 0.1155769   total: 4.72s  remaining: 36.7s
114: learn: 0.1151896   total: 4.78s  remaining: 36.8s
115: learn: 0.1149851   total: 4.81s  remaining: 36.6s
116: learn: 0.1146261   total: 4.82s  remaining: 36.4s
117: learn: 0.1140458   total: 4.87s  remaining: 36.4s
118: learn: 0.1137523   total: 4.96s  remaining: 36.7s
119: learn: 0.1133354   total: 5.01s  remaining: 36.7s
120: learn: 0.1131123   total: 5.01s  remaining: 36.4s
121: learn: 0.1127369   total: 5.04s  remaining: 36.3s
122: learn: 0.1124068   total: 5.09s  remaining: 36.3s
123: learn: 0.1120280   total: 5.11s  remaining: 36.1s
124: learn: 0.1117363   total: 5.16s  remaining: 36.1s
125: learn: 0.1114198   total: 5.21s  remaining: 36.1s
126: learn: 0.1110805   total: 5.25s  remaining: 36.1s
127: learn: 0.1106410   total: 5.27s  remaining: 35.9s
128: learn: 0.1103109   total: 5.3s   remaining: 35.8s
129: learn: 0.1100409   total: 5.33s  remaining: 35.7s
130: learn: 0.1098584   total: 5.35s  remaining: 35.5s
131: learn: 0.1094738   total: 5.38s  remaining: 35.4s

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132: learn: 0.1093134      total: 5.45s    remaining: 35.5s
133: learn: 0.1091523      total: 5.45s    remaining: 35.2s
134: learn: 0.1087380      total: 5.47s    remaining: 35s
135: learn: 0.1084609      total: 5.51s    remaining: 35s
136: learn: 0.1082577      total: 5.59s    remaining: 35.2s
137: learn: 0.1078573      total: 5.59s    remaining: 34.9s
138: learn: 0.1075391      total: 5.63s    remaining: 34.9s
139: learn: 0.1071993      total: 5.65s    remaining: 34.7s
140: learn: 0.1069428      total: 5.68s    remaining: 34.6s
141: learn: 0.1067370      total: 5.75s    remaining: 34.7s
142: learn: 0.1065371      total: 5.79s    remaining: 34.7s
143: learn: 0.1063275      total: 5.81s    remaining: 34.6s
144: learn: 0.1059941      total: 5.85s    remaining: 34.5s
145: learn: 0.1058418      total: 5.91s    remaining: 34.5s
146: learn: 0.1056377      total: 5.93s    remaining: 34.4s
147: learn: 0.1053188      total: 5.94s    remaining: 34.2s
148: learn: 0.1051273      total: 6.01s    remaining: 34.3s
149: learn: 0.1049230      total: 6.06s    remaining: 34.3s
150: learn: 0.1047034      total: 6.06s    remaining: 34.1s
151: learn: 0.1044482      total: 6.13s    remaining: 34.2s
152: learn: 0.1042374      total: 6.18s    remaining: 34.2s
153: learn: 0.1039461      total: 6.21s    remaining: 34.1s
154: learn: 0.1036558      total: 6.24s    remaining: 34s
155: learn: 0.1034988      total: 6.25s    remaining: 33.8s
156: learn: 0.1031917      total: 6.28s    remaining: 33.7s
157: learn: 0.1029242      total: 6.3s     remaining: 33.6s
158: learn: 0.1028105      total: 6.36s    remaining: 33.7s
159: learn: 0.1025965      total: 6.38s    remaining: 33.5s
160: learn: 0.1023893      total: 6.41s    remaining: 33.4s
161: learn: 0.1022454      total: 6.44s    remaining: 33.3s
162: learn: 0.1019063      total: 6.48s    remaining: 33.3s
163: learn: 0.1016840      total: 6.57s    remaining: 33.5s
7:   learn: 0.3177563      total: 805ms   remaining: 1m 39s
8:   learn: 0.3110570      total: 820ms   remaining: 1m 30s
9:   learn: 0.3047398      total: 893ms   remaining: 1m 28s
10:  learn: 0.2983929      total: 912ms   remaining: 1m 22s
11:  learn: 0.2921607      total: 986ms   remaining: 1m 21s
12:  learn: 0.2855036      total: 1.09s    remaining: 1m 22s
13:  learn: 0.2787581      total: 1.1s     remaining: 1m 17s
14:  learn: 0.2731169      total: 1.14s    remaining: 1m 14s
15:  learn: 0.2678093      total: 1.17s    remaining: 1m 11s
16:  learn: 0.2619628      total: 1.2s     remaining: 1m 9s
17:  learn: 0.2569358      total: 1.21s    remaining: 1m 5s
18:  learn: 0.2519357      total: 1.25s    remaining: 1m 4s
19:  learn: 0.2470505      total: 1.27s    remaining: 1m 2s
20:  learn: 0.2423968      total: 1.29s    remaining: 1m
21:  learn: 0.2381378      total: 1.31s    remaining: 58.2s
22:  learn: 0.2339712      total: 1.34s    remaining: 57.2s
23:  learn: 0.2294519      total: 1.37s    remaining: 55.8s
24:  learn: 0.2254917      total: 1.38s    remaining: 53.8s
25:  learn: 0.2210533      total: 1.44s    remaining: 53.9s
26:  learn: 0.2171016      total: 1.46s    remaining: 52.7s
27:  learn: 0.2138815      total: 1.52s    remaining: 52.7s
28:  learn: 0.2104526      total: 1.53s    remaining: 51.4s
29:  learn: 0.2071689      total: 1.57s    remaining: 50.9s
30:  learn: 0.2040356      total: 1.59s    remaining: 49.8s
31:  learn: 0.2010094      total: 1.6s     remaining: 48.4s
32:  learn: 0.1981408      total: 1.63s    remaining: 47.6s
33:  learn: 0.1953483      total: 1.71s    remaining: 48.5s
34:  learn: 0.1923245      total: 1.77s    remaining: 48.8s
35:  learn: 0.1897115      total: 1.87s    remaining: 50.1s
36:  learn: 0.1869277      total: 1.92s    remaining: 50s
37:  learn: 0.1841367      total: 1.95s    remaining: 49.3s
38:  learn: 0.1814661      total: 1.96s    remaining: 48.3s

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39: learn: 0.1792260    total: 1.99s  remaining: 47.7s
40: learn: 0.1769409    total: 2.03s  remaining: 47.6s
41: learn: 0.1748022    total: 2.05s  remaining: 46.8s
42: learn: 0.1727814    total: 2.16s  remaining: 48.2s
43: learn: 0.1706254    total: 2.17s  remaining: 47.2s
44: learn: 0.1686362    total: 2.21s  remaining: 46.9s
45: learn: 0.1667148    total: 2.25s  remaining: 46.7s
46: learn: 0.1646693    total: 2.27s  remaining: 46s
47: learn: 0.1629064    total: 2.35s  remaining: 46.6s
48: learn: 0.1611080    total: 2.41s  remaining: 46.8s
49: learn: 0.1594413    total: 2.42s  remaining: 46s
50: learn: 0.1577932    total: 2.44s  remaining: 45.5s
51: learn: 0.1563424    total: 2.45s  remaining: 44.7s
52: learn: 0.1548542    total: 2.46s  remaining: 43.9s
53: learn: 0.1534818    total: 2.5s   remaining: 43.9s
54: learn: 0.1520827    total: 2.51s  remaining: 43.2s
55: learn: 0.1506421    total: 2.56s  remaining: 43.2s
56: learn: 0.1492479    total: 2.58s  remaining: 42.6s
57: learn: 0.1479603    total: 2.58s  remaining: 41.9s
58: learn: 0.1467025    total: 2.63s  remaining: 42s
59: learn: 0.1456577    total: 2.69s  remaining: 42.2s
60: learn: 0.1443746    total: 2.7s   remaining: 41.6s
61: learn: 0.1433771    total: 2.73s  remaining: 41.4s
62: learn: 0.1422172    total: 2.75s  remaining: 40.9s
63: learn: 0.1412758    total: 2.81s  remaining: 41.1s
64: learn: 0.1403694    total: 2.85s  remaining: 41s
65: learn: 0.1393186    total: 2.9s   remaining: 41s
66: learn: 0.1385338    total: 2.93s  remaining: 40.8s
67: learn: 0.1374468    total: 3.01s  remaining: 41.3s
68: learn: 0.1363661    total: 3.02s  remaining: 40.8s
69: learn: 0.1354599    total: 3.12s  remaining: 41.5s
70: learn: 0.1344210    total: 3.21s  remaining: 42s
71: learn: 0.1335662    total: 3.29s  remaining: 42.4s
72: learn: 0.1327270    total: 3.3s   remaining: 41.9s
73: learn: 0.1318357    total: 3.31s  remaining: 41.4s
74: learn: 0.1308693    total: 3.31s  remaining: 40.8s
75: learn: 0.1299830    total: 3.32s  remaining: 40.3s
76: learn: 0.1291615    total: 3.38s  remaining: 40.5s
77: learn: 0.1283574    total: 3.45s  remaining: 40.8s
78: learn: 0.1276541    total: 3.49s  remaining: 40.7s
79: learn: 0.1271133    total: 3.54s  remaining: 40.7s
80: learn: 0.1264358    total: 3.59s  remaining: 40.8s
81: learn: 0.1257215    total: 3.65s  remaining: 40.9s
82: learn: 0.1249470    total: 3.67s  remaining: 40.6s
83: learn: 0.1241101    total: 3.68s  remaining: 40.2s
84: learn: 0.1234077    total: 3.7s   remaining: 39.9s
85: learn: 0.1229282    total: 3.72s  remaining: 39.5s
86: learn: 0.1222386    total: 3.76s  remaining: 39.5s
87: learn: 0.1215935    total: 3.83s  remaining: 39.6s
88: learn: 0.1210533    total: 3.83s  remaining: 39.3s
89: learn: 0.1203921    total: 3.91s  remaining: 39.5s
90: learn: 0.1196115    total: 3.96s  remaining: 39.5s
91: learn: 0.1190230    total: 3.97s  remaining: 39.2s
92: learn: 0.1183732    total: 4.01s  remaining: 39.1s
93: learn: 0.1177337    total: 4.03s  remaining: 38.8s
94: learn: 0.1171523    total: 4.07s  remaining: 38.7s
95: learn: 0.1166030    total: 4.09s  remaining: 38.5s
96: learn: 0.1160880    total: 4.15s  remaining: 38.7s
97: learn: 0.1156036    total: 4.21s  remaining: 38.8s
98: learn: 0.1150911    total: 4.27s  remaining: 38.9s
99: learn: 0.1146399    total: 4.3s   remaining: 38.7s
100: learn: 0.1143021   total: 4.32s  remaining: 38.5s
101: learn: 0.1137518   total: 4.36s  remaining: 38.4s
102: learn: 0.1132136   total: 4.43s  remaining: 38.6s

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103: learn: 0.1127808    total: 4.46s  remaining: 38.5s
104: learn: 0.1122635    total: 4.56s  remaining: 38.9s
105: learn: 0.1119417    total: 4.59s  remaining: 38.7s
106: learn: 0.1115048    total: 4.64s  remaining: 38.7s
107: learn: 0.1111075    total: 4.69s  remaining: 38.7s
108: learn: 0.1106958    total: 4.79s  remaining: 39.2s
109: learn: 0.1102791    total: 4.85s  remaining: 39.2s
110: learn: 0.1098705    total: 4.88s  remaining: 39.1s
111: learn: 0.1095070    total: 4.93s  remaining: 39.1s
112: learn: 0.1091685    total: 4.96s  remaining: 38.9s
113: learn: 0.1087532    total: 5.02s  remaining: 39s
114: learn: 0.1083432    total: 5.04s  remaining: 38.8s
115: learn: 0.1079540    total: 5.05s  remaining: 38.5s
116: learn: 0.1075083    total: 5.1s   remaining: 38.5s
117: learn: 0.1072133    total: 5.12s  remaining: 38.3s
118: learn: 0.1068828    total: 5.15s  remaining: 38.2s
119: learn: 0.1065427    total: 5.17s  remaining: 37.9s
120: learn: 0.1061536    total: 5.19s  remaining: 37.7s
121: learn: 0.1059128    total: 5.29s  remaining: 38.1s
122: learn: 0.1056278    total: 5.36s  remaining: 38.2s
123: learn: 0.1052677    total: 5.37s  remaining: 37.9s
124: learn: 0.1048486    total: 5.43s  remaining: 38s
125: learn: 0.1045839    total: 5.46s  remaining: 37.9s
126: learn: 0.1043116    total: 5.51s  remaining: 37.9s
127: learn: 0.1040680    total: 5.55s  remaining: 37.8s
128: learn: 0.1038039    total: 5.61s  remaining: 37.9s
129: learn: 0.1036955    total: 5.66s  remaining: 37.9s
130: learn: 0.1034556    total: 5.68s  remaining: 37.7s
131: learn: 0.1031156    total: 5.74s  remaining: 37.8s
132: learn: 0.1026721    total: 5.76s  remaining: 37.6s
133: learn: 0.1022826    total: 5.78s  remaining: 37.4s
134: learn: 0.1019529    total: 5.85s  remaining: 37.5s
135: learn: 0.1016784    total: 5.89s  remaining: 37.4s
136: learn: 0.1013297    total: 5.98s  remaining: 37.7s
137: learn: 0.1010532    total: 6.02s  remaining: 37.6s
138: learn: 0.1007786    total: 6.08s  remaining: 37.6s
139: learn: 0.1004867    total: 6.1s   remaining: 37.5s
140: learn: 0.1002419    total: 6.19s  remaining: 37.7s
141: learn: 0.0999722    total: 6.25s  remaining: 37.8s
142: learn: 0.0996704    total: 6.28s  remaining: 37.6s
143: learn: 0.0995043    total: 6.29s  remaining: 37.4s
144: learn: 0.0991547    total: 6.4s   remaining: 37.8s
145: learn: 0.0988704    total: 6.5s   remaining: 38s
146: learn: 0.0987070    total: 6.51s  remaining: 37.8s
147: learn: 0.0984653    total: 6.6s   remaining: 38s
148: learn: 0.0982394    total: 6.72s  remaining: 38.4s
149: learn: 0.0980831    total: 6.78s  remaining: 38.4s
150: learn: 0.0979769    total: 6.81s  remaining: 38.3s
151: learn: 0.0978038    total: 6.85s  remaining: 38.2s
152: learn: 0.0975472    total: 6.94s  remaining: 38.4s
153: learn: 0.0972367    total: 6.96s  remaining: 38.2s
154: learn: 0.0969641    total: 7.01s  remaining: 38.2s
155: learn: 0.0967048    total: 7.08s  remaining: 38.3s
156: learn: 0.0965147    total: 7.1s   remaining: 38.1s
157: learn: 0.0963019    total: 7.17s  remaining: 38.2s
158: learn: 0.0962339    total: 7.2s   remaining: 38.1s
159: learn: 0.0960310    total: 7.33s  remaining: 38.5s
160: learn: 0.0958512    total: 7.36s  remaining: 38.3s
161: learn: 0.0956841    total: 7.4s   remaining: 38.3s
162: learn: 0.0952507    total: 7.43s  remaining: 38.1s
163: learn: 0.0950561    total: 7.52s  remaining: 38.4s
164: learn: 0.0949376    total: 7.56s  remaining: 38.3s
165: learn: 0.0947546    total: 7.59s  remaining: 38.1s
166: learn: 0.0946767    total: 7.61s  remaining: 38s

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950: learn: 0.0366343 total: 47.4s remaining: 2.44s
951: learn: 0.0365919 total: 47.4s remaining: 2.39s
952: learn: 0.0365287 total: 47.4s remaining: 2.34s
953: learn: 0.0365264 total: 47.4s remaining: 2.29s
954: learn: 0.0364903 total: 47.4s remaining: 2.23s
955: learn: 0.0364507 total: 47.4s remaining: 2.18s
956: learn: 0.0364114 total: 47.5s remaining: 2.13s
957: learn: 0.0363911 total: 47.5s remaining: 2.08s
958: learn: 0.0363883 total: 47.5s remaining: 2.03s
959: learn: 0.0363852 total: 47.6s remaining: 1.98s
960: learn: 0.0363228 total: 47.7s remaining: 1.94s
961: learn: 0.0362652 total: 47.7s remaining: 1.88s
962: learn: 0.0362625 total: 47.7s remaining: 1.83s
963: learn: 0.0362608 total: 47.7s remaining: 1.78s
964: learn: 0.0362591 total: 47.8s remaining: 1.73s
965: learn: 0.0362468 total: 47.8s remaining: 1.68s
966: learn: 0.0361903 total: 47.9s remaining: 1.63s
967: learn: 0.0361831 total: 47.9s remaining: 1.58s
968: learn: 0.0361680 total: 47.9s remaining: 1.53s
969: learn: 0.0361371 total: 48s remaining: 1.48s
970: learn: 0.0360981 total: 48s remaining: 1.43s
971: learn: 0.0360451 total: 48s remaining: 1.38s
972: learn: 0.0359933 total: 48s remaining: 1.33s
973: learn: 0.0359469 total: 48.1s remaining: 1.28s
974: learn: 0.0358915 total: 48.1s remaining: 1.23s
975: learn: 0.0358543 total: 48.1s remaining: 1.18s
976: learn: 0.0358023 total: 48.1s remaining: 1.13s
977: learn: 0.0357740 total: 48.1s remaining: 1.08s
978: learn: 0.0357176 total: 48.1s remaining: 1.03s
979: learn: 0.0356984 total: 48.1s remaining: 982ms
980: learn: 0.0356940 total: 48.1s remaining: 932ms
981: learn: 0.0356790 total: 48.1s remaining: 882ms
982: learn: 0.0356302 total: 48.1s remaining: 832ms
983: learn: 0.0355971 total: 48.1s remaining: 783ms
984: learn: 0.0355725 total: 48.2s remaining: 733ms
985: learn: 0.0355285 total: 48.2s remaining: 684ms
986: learn: 0.0355012 total: 48.2s remaining: 635ms
987: learn: 0.0354447 total: 48.2s remaining: 585ms
988: learn: 0.0354226 total: 48.2s remaining: 536ms
989: learn: 0.0353994 total: 48.2s remaining: 487ms
990: learn: 0.0353877 total: 48.2s remaining: 438ms
991: learn: 0.0353262 total: 48.2s remaining: 389ms
992: learn: 0.0352926 total: 48.2s remaining: 340ms
993: learn: 0.0352486 total: 48.2s remaining: 291ms
994: learn: 0.0352158 total: 48.2s remaining: 242ms
995: learn: 0.0351928 total: 48.2s remaining: 194ms
996: learn: 0.0351402 total: 48.2s remaining: 145ms
997: learn: 0.0350989 total: 48.2s remaining: 96.7ms
998: learn: 0.0350655 total: 48.2s remaining: 48.3ms
999: learn: 0.0350405 total: 48.3s remaining: 0us

Learning rate set to 0.040504
0: learn: 0.3937782 total: 345ms remaining: 5m 45s
1: learn: 0.3840336 total: 360ms remaining: 2m 59s
2: learn: 0.3744086 total: 395ms remaining: 2m 11s
3: learn: 0.3644252 total: 443ms remaining: 1m 50s
4: learn: 0.3553812 total: 523ms remaining: 1m 44s
5: learn: 0.3465799 total: 673ms remaining: 1m 51s
6: learn: 0.3384704 total: 690ms remaining: 1m 37s
7: learn: 0.3295774 total: 772ms remaining: 1m 35s
8: learn: 0.3221482 total: 820ms remaining: 1m 30s
9: learn: 0.3146613 total: 868ms remaining: 1m 25s
10: learn: 0.3087350 total: 873ms remaining: 1m 18s
11: learn: 0.3021149 total: 911ms remaining: 1m 15s
12: learn: 0.2956816 total: 928ms remaining: 1m 10s

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13: learn: 0.2894871    total: 981ms   remaining: 1m 9s
14: learn: 0.2836876    total: 985ms   remaining: 1m 4s
15: learn: 0.2780241    total: 1.03s   remaining: 1m 3s
16: learn: 0.2721239    total: 1.08s   remaining: 1m 2s
17: learn: 0.2668398    total: 1.15s   remaining: 1m 2s
18: learn: 0.2621020    total: 1.16s   remaining: 59.8s
19: learn: 0.2570324    total: 1.17s   remaining: 57.1s
20: learn: 0.2520488    total: 1.2s    remaining: 55.8s
21: learn: 0.2471340    total: 1.24s   remaining: 55.2s
22: learn: 0.2426869    total: 1.31s   remaining: 55.5s
23: learn: 0.2385548    total: 1.33s   remaining: 54s
24: learn: 0.2344125    total: 1.35s   remaining: 52.8s
25: learn: 0.2301242    total: 1.38s   remaining: 51.9s
26: learn: 0.2259343    total: 1.4s    remaining: 50.5s
27: learn: 0.2225994    total: 1.43s   remaining: 49.5s
28: learn: 0.2187185    total: 1.47s   remaining: 49.1s
29: learn: 0.2150811    total: 1.49s   remaining: 48.1s
30: learn: 0.2116044    total: 1.51s   remaining: 47.4s
31: learn: 0.2084598    total: 1.55s   remaining: 47s
32: learn: 0.2055526    total: 1.6s    remaining: 46.9s
33: learn: 0.2023060    total: 1.64s   remaining: 46.6s
34: learn: 0.1994860    total: 1.67s   remaining: 46.1s
35: learn: 0.1966027    total: 1.72s   remaining: 46.1s
36: learn: 0.1938615    total: 1.74s   remaining: 45.2s
37: learn: 0.1908652    total: 1.8s    remaining: 45.5s
38: learn: 0.1882116    total: 1.85s   remaining: 45.6s
39: learn: 0.1858456    total: 1.89s   remaining: 45.3s
40: learn: 0.1832593    total: 1.94s   remaining: 45.3s
41: learn: 0.1806938    total: 1.96s   remaining: 44.8s
42: learn: 0.1783773    total: 2.07s   remaining: 46.1s
43: learn: 0.1760813    total: 2.08s   remaining: 45.3s
44: learn: 0.1740685    total: 2.27s   remaining: 48.2s
45: learn: 0.1719945    total: 2.31s   remaining: 47.8s
46: learn: 0.1700784    total: 2.35s   remaining: 47.7s
47: learn: 0.1680945    total: 2.41s   remaining: 47.8s
48: learn: 0.1664233    total: 2.43s   remaining: 47.2s
49: learn: 0.1648649    total: 2.44s   remaining: 46.4s
50: learn: 0.1634342    total: 2.5s    remaining: 46.6s
51: learn: 0.1617584    total: 2.6s    remaining: 47.4s
52: learn: 0.1603944    total: 2.63s   remaining: 47s
53: learn: 0.1588527    total: 2.65s   remaining: 46.5s
54: learn: 0.1575390    total: 2.74s   remaining: 47.1s
55: learn: 0.1561970    total: 2.88s   remaining: 48.5s
56: learn: 0.1549505    total: 2.91s   remaining: 48.2s
57: learn: 0.1537162    total: 3.01s   remaining: 48.9s
58: learn: 0.1525281    total: 3.03s   remaining: 48.4s
59: learn: 0.1513111    total: 3.09s   remaining: 48.4s
60: learn: 0.1501690    total: 3.17s   remaining: 48.8s
61: learn: 0.1491198    total: 3.18s   remaining: 48.1s
62: learn: 0.1480865    total: 3.27s   remaining: 48.6s
63: learn: 0.1468327    total: 3.34s   remaining: 48.8s
64: learn: 0.1456388    total: 3.48s   remaining: 50.1s
65: learn: 0.1444277    total: 3.51s   remaining: 49.7s
66: learn: 0.1433876    total: 3.55s   remaining: 49.4s
67: learn: 0.1424917    total: 3.61s   remaining: 49.4s
68: learn: 0.1415411    total: 3.62s   remaining: 48.9s
69: learn: 0.1405209    total: 3.64s   remaining: 48.4s
70: learn: 0.1395117    total: 3.69s   remaining: 48.3s
71: learn: 0.1387153    total: 3.72s   remaining: 48s
72: learn: 0.1376111    total: 3.83s   remaining: 48.6s
73: learn: 0.1367748    total: 3.91s   remaining: 48.9s
74: learn: 0.1357717    total: 3.95s   remaining: 48.7s
75: learn: 0.1350635    total: 3.99s   remaining: 48.5s
76: learn: 0.1343975    total: 4.07s   remaining: 48.8s

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77:	learn: 0.1335293	total: 4.16s	remaining: 49.1s
78:	learn: 0.1328532	total: 4.3s	remaining: 50.2s
79:	learn: 0.1321710	total: 4.35s	remaining: 50s
80:	learn: 0.1315021	total: 4.38s	remaining: 49.7s
81:	learn: 0.1306539	total: 4.45s	remaining: 49.8s
82:	learn: 0.1299684	total: 4.6s	remaining: 50.8s
83:	learn: 0.1291852	total: 4.62s	remaining: 50.4s
84:	learn: 0.1285456	total: 4.7s	remaining: 50.6s
85:	learn: 0.1278634	total: 4.71s	remaining: 50.1s
86:	learn: 0.1272976	total: 4.73s	remaining: 49.7s
87:	learn: 0.1267256	total: 4.74s	remaining: 49.1s
88:	learn: 0.1261606	total: 4.75s	remaining: 48.6s
89:	learn: 0.1256207	total: 4.84s	remaining: 48.9s
90:	learn: 0.1250302	total: 4.87s	remaining: 48.7s
91:	learn: 0.1246015	total: 4.92s	remaining: 48.6s
92:	learn: 0.1240769	total: 4.94s	remaining: 48.2s
93:	learn: 0.1234200	total: 4.97s	remaining: 47.9s
94:	learn: 0.1228879	total: 4.99s	remaining: 47.5s
95:	learn: 0.1223557	total: 5.01s	remaining: 47.2s
96:	learn: 0.1216599	total: 5.04s	remaining: 46.9s
97:	learn: 0.1211522	total: 5.05s	remaining: 46.5s
98:	learn: 0.1206776	total: 5.05s	remaining: 46s
99:	learn: 0.1201570	total: 5.07s	remaining: 45.7s
100:	learn: 0.1197150	total: 5.09s	remaining: 45.4s
101:	learn: 0.1193223	total: 5.11s	remaining: 45s
102:	learn: 0.1188383	total: 5.12s	remaining: 44.6s
103:	learn: 0.1183369	total: 5.15s	remaining: 44.4s
104:	learn: 0.1179807	total: 5.2s	remaining: 44.3s
105:	learn: 0.1176509	total: 5.26s	remaining: 44.4s
106:	learn: 0.1172276	total: 5.32s	remaining: 44.4s
107:	learn: 0.1167058	total: 5.43s	remaining: 44.8s
108:	learn: 0.1163977	total: 5.51s	remaining: 45.1s
164:	learn: 0.0965555	total: 5.37s	remaining: 27.2s
165:	learn: 0.0964086	total: 5.44s	remaining: 27.3s
166:	learn: 0.0961826	total: 5.48s	remaining: 27.3s
167:	learn: 0.0959859	total: 5.5s	remaining: 27.2s
168:	learn: 0.0957943	total: 5.51s	remaining: 27.1s
169:	learn: 0.0955737	total: 5.51s	remaining: 26.9s
170:	learn: 0.0953768	total: 5.52s	remaining: 26.8s
171:	learn: 0.0951268	total: 5.53s	remaining: 26.6s
172:	learn: 0.0949105	total: 5.6s	remaining: 26.8s
173:	learn: 0.0945773	total: 5.68s	remaining: 26.9s
174:	learn: 0.0942412	total: 5.7s	remaining: 26.9s
175:	learn: 0.0940087	total: 5.74s	remaining: 26.9s
176:	learn: 0.0937623	total: 5.74s	remaining: 26.7s
177:	learn: 0.0936674	total: 5.75s	remaining: 26.5s
178:	learn: 0.0934709	total: 5.75s	remaining: 26.4s
179:	learn: 0.0932583	total: 5.76s	remaining: 26.3s
180:	learn: 0.0931118	total: 5.81s	remaining: 26.3s
181:	learn: 0.0928455	total: 5.85s	remaining: 26.3s
182:	learn: 0.0926499	total: 5.9s	remaining: 26.3s
183:	learn: 0.0923470	total: 5.96s	remaining: 26.4s
184:	learn: 0.0922486	total: 5.96s	remaining: 26.3s
185:	learn: 0.0920486	total: 5.96s	remaining: 26.1s
186:	learn: 0.0919007	total: 5.97s	remaining: 25.9s
187:	learn: 0.0916995	total: 5.97s	remaining: 25.8s
188:	learn: 0.0915158	total: 5.97s	remaining: 25.6s
189:	learn: 0.0912865	total: 5.98s	remaining: 25.5s
190:	learn: 0.0910487	total: 5.98s	remaining: 25.3s
191:	learn: 0.0908613	total: 5.99s	remaining: 25.2s
192:	learn: 0.0907134	total: 6.07s	remaining: 25.4s
193:	learn: 0.0904892	total: 6.09s	remaining: 25.3s
194:	learn: 0.0902402	total: 6.15s	remaining: 25.4s
195:	learn: 0.0900711	total: 6.21s	remaining: 25.5s

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196: learn: 0.0899246    total: 6.28s  remaining: 25.6s
197: learn: 0.0896194    total: 6.3s   remaining: 25.5s
198: learn: 0.0893544    total: 6.37s  remaining: 25.7s
199: learn: 0.0892157    total: 6.42s  remaining: 25.7s
200: learn: 0.0891139    total: 6.44s  remaining: 25.6s
201: learn: 0.0889413    total: 6.47s  remaining: 25.6s
202: learn: 0.0888073    total: 6.49s  remaining: 25.5s
203: learn: 0.0886928    total: 6.5s   remaining: 25.4s
204: learn: 0.0885110    total: 6.56s  remaining: 25.4s
205: learn: 0.0883332    total: 6.56s  remaining: 25.3s
206: learn: 0.0880789    total: 6.62s  remaining: 25.4s
207: learn: 0.0878503    total: 6.64s  remaining: 25.3s
208: learn: 0.0876748    total: 6.67s  remaining: 25.2s
209: learn: 0.0874927    total: 6.7s   remaining: 25.2s
210: learn: 0.0872115    total: 6.79s  remaining: 25.4s
211: learn: 0.0870241    total: 6.8s   remaining: 25.3s
212: learn: 0.0867742    total: 6.84s  remaining: 25.3s
213: learn: 0.0866281    total: 6.9s   remaining: 25.3s
214: learn: 0.0864420    total: 6.96s  remaining: 25.4s
215: learn: 0.0862760    total: 7.04s  remaining: 25.6s
216: learn: 0.0860809    total: 7.08s  remaining: 25.6s
217: learn: 0.0858861    total: 7.15s  remaining: 25.6s
218: learn: 0.0855966    total: 7.19s  remaining: 25.6s
219: learn: 0.0852298    total: 7.27s  remaining: 25.8s
220: learn: 0.0849770    total: 7.41s  remaining: 26.1s
221: learn: 0.0847103    total: 7.41s  remaining: 26s
222: learn: 0.0844733    total: 7.44s  remaining: 25.9s
223: learn: 0.0842392    total: 7.46s  remaining: 25.8s
224: learn: 0.0841504    total: 7.47s  remaining: 25.7s
225: learn: 0.0840004    total: 7.48s  remaining: 25.6s
226: learn: 0.0837577    total: 7.55s  remaining: 25.7s
227: learn: 0.0836314    total: 7.57s  remaining: 25.6s
228: learn: 0.0833720    total: 7.62s  remaining: 25.6s
229: learn: 0.0832419    total: 7.66s  remaining: 25.6s
230: learn: 0.0831135    total: 7.71s  remaining: 25.7s
231: learn: 0.0828755    total: 7.8s   remaining: 25.8s
232: learn: 0.0827026    total: 7.83s  remaining: 25.8s
233: learn: 0.0824733    total: 7.84s  remaining: 25.7s
234: learn: 0.0823786    total: 7.86s  remaining: 25.6s
235: learn: 0.0822317    total: 7.88s  remaining: 25.5s
236: learn: 0.0821620    total: 7.93s  remaining: 25.5s
237: learn: 0.0819123    total: 7.97s  remaining: 25.5s
238: learn: 0.0816809    total: 7.98s  remaining: 25.4s
239: learn: 0.0816027    total: 8.01s  remaining: 25.4s
240: learn: 0.0814759    total: 8.08s  remaining: 25.4s
241: learn: 0.0813239    total: 8.1s   remaining: 25.4s
242: learn: 0.0812862    total: 8.11s  remaining: 25.3s
243: learn: 0.0811448    total: 8.21s  remaining: 25.4s
244: learn: 0.0809374    total: 8.27s  remaining: 25.5s
245: learn: 0.0807982    total: 8.27s  remaining: 25.4s
246: learn: 0.0806765    total: 8.33s  remaining: 25.4s
247: learn: 0.0804825    total: 8.34s  remaining: 25.3s
248: learn: 0.0802792    total: 8.39s  remaining: 25.3s
249: learn: 0.0801174    total: 8.44s  remaining: 25.3s
250: learn: 0.0799395    total: 8.45s  remaining: 25.2s
251: learn: 0.0797508    total: 8.51s  remaining: 25.3s
252: learn: 0.0794922    total: 8.54s  remaining: 25.2s
253: learn: 0.0792805    total: 8.55s  remaining: 25.1s
254: learn: 0.0791238    total: 8.63s  remaining: 25.2s
255: learn: 0.0789986    total: 8.65s  remaining: 25.1s
256: learn: 0.0788658    total: 8.71s  remaining: 25.2s
257: learn: 0.0787856    total: 8.77s  remaining: 25.2s
258: learn: 0.0785475    total: 8.83s  remaining: 25.3s
259: learn: 0.0783331    total: 8.85s  remaining: 25.2s

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260: learn: 0.0781001    total: 8.88s  remaining: 25.1s
261: learn: 0.0778931    total: 8.89s  remaining: 25.1s
262: learn: 0.0776950    total: 8.93s  remaining: 25s
263: learn: 0.0776285    total: 8.95s  remaining: 25s
264: learn: 0.0775696    total: 9.03s  remaining: 25s
265: learn: 0.0773737    total: 9.03s  remaining: 24.9s
266: learn: 0.0772288    total: 9.06s  remaining: 24.9s
267: learn: 0.0770285    total: 9.11s  remaining: 24.9s
268: learn: 0.0767727    total: 9.2s   remaining: 25s
269: learn: 0.0766085    total: 9.28s  remaining: 25.1s
270: learn: 0.0764865    total: 9.37s  remaining: 25.2s
271: learn: 0.0763225    total: 9.47s  remaining: 25.4s
272: learn: 0.0761327    total: 9.51s  remaining: 25.3s
273: learn: 0.0759446    total: 9.56s  remaining: 25.3s
274: learn: 0.0758040    total: 9.58s  remaining: 25.3s
275: learn: 0.0756144    total: 9.64s  remaining: 25.3s
276: learn: 0.0755264    total: 9.66s  remaining: 25.2s
277: learn: 0.0754061    total: 9.7s   remaining: 25.2s
278: learn: 0.0752266    total: 9.71s  remaining: 25.1s
279: learn: 0.0750938    total: 9.74s  remaining: 25s
280: learn: 0.0748909    total: 9.78s  remaining: 25s
281: learn: 0.0747590    total: 9.82s  remaining: 25s
282: learn: 0.0746533    total: 9.85s  remaining: 24.9s
283: learn: 0.0744933    total: 9.88s  remaining: 24.9s
284: learn: 0.0743850    total: 9.89s  remaining: 24.8s
285: learn: 0.0742195    total: 9.9s   remaining: 24.7s
286: learn: 0.0740717    total: 9.94s  remaining: 24.7s
287: learn: 0.0739307    total: 9.98s  remaining: 24.7s
288: learn: 0.0736978    total: 10s   remaining: 24.7s
289: learn: 0.0736640    total: 10.1s  remaining: 24.6s
290: learn: 0.0735305    total: 10.1s  remaining: 24.5s
291: learn: 0.0733892    total: 10.1s  remaining: 24.6s
292: learn: 0.0732532    total: 10.2s  remaining: 24.5s
293: learn: 0.0730856    total: 10.2s  remaining: 24.5s
294: learn: 0.0728835    total: 10.2s  remaining: 24.5s
295: learn: 0.0726668    total: 10.3s  remaining: 24.4s
296: learn: 0.0725016    total: 10.3s  remaining: 24.3s
297: learn: 0.0724153    total: 10.3s  remaining: 24.2s
298: learn: 0.0722625    total: 10.3s  remaining: 24.1s
299: learn: 0.0721069    total: 10.3s  remaining: 24.1s
300: learn: 0.0719736    total: 10.3s  remaining: 24s
301: learn: 0.0718337    total: 10.4s  remaining: 23.9s
302: learn: 0.0717029    total: 10.4s  remaining: 23.9s
303: learn: 0.0715769    total: 10.4s  remaining: 23.8s
304: learn: 0.0714398    total: 10.5s  remaining: 23.9s
305: learn: 0.0713063    total: 10.5s  remaining: 23.8s
306: learn: 0.0711972    total: 10.6s  remaining: 23.9s
307: learn: 0.0711026    total: 10.6s  remaining: 23.8s
308: learn: 0.0710249    total: 10.6s  remaining: 23.7s
309: learn: 0.0708185    total: 10.6s  remaining: 23.7s
310: learn: 0.0707219    total: 10.7s  remaining: 23.7s
311: learn: 0.0705919    total: 10.7s  remaining: 23.6s
312: learn: 0.0704591    total: 10.7s  remaining: 23.5s
313: learn: 0.0703414    total: 10.7s  remaining: 23.4s
314: learn: 0.0701429    total: 10.7s  remaining: 23.3s
315: learn: 0.0700365    total: 10.7s  remaining: 23.2s
316: learn: 0.0699188    total: 10.8s  remaining: 23.2s
317: learn: 0.0697576    total: 10.8s  remaining: 23.2s
318: learn: 0.0696482    total: 10.9s  remaining: 23.2s
319: learn: 0.0694869    total: 10.9s  remaining: 23.1s
320: learn: 0.0692738    total: 10.9s  remaining: 23.1s
321: learn: 0.0691385    total: 10.9s  remaining: 23s
168: learn: 0.0960438    total: 6.54s  remaining: 32.1s
169: learn: 0.0957967    total: 6.57s  remaining: 32.1s

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170: learn: 0.0956750    total: 6.57s  remaining: 31.9s
171: learn: 0.0955175    total: 6.59s  remaining: 31.8s
172: learn: 0.0951265    total: 6.61s  remaining: 31.6s
173: learn: 0.0949840    total: 6.63s  remaining: 31.5s
174: learn: 0.0946862    total: 6.65s  remaining: 31.3s
175: learn: 0.0944816    total: 6.72s  remaining: 31.4s
176: learn: 0.0941740    total: 6.77s  remaining: 31.5s
177: learn: 0.0939765    total: 6.84s  remaining: 31.6s
178: learn: 0.0936127    total: 6.85s  remaining: 31.4s
179: learn: 0.0934543    total: 6.88s  remaining: 31.3s
180: learn: 0.0932030    total: 6.92s  remaining: 31.3s
181: learn: 0.0930899    total: 6.94s  remaining: 31.2s
182: learn: 0.0927507    total: 7.01s  remaining: 31.3s
183: learn: 0.0926269    total: 7.1s   remaining: 31.5s
184: learn: 0.0925602    total: 7.12s  remaining: 31.4s
185: learn: 0.0923720    total: 7.2s   remaining: 31.5s
186: learn: 0.0921305    total: 7.28s  remaining: 31.6s
187: learn: 0.0918812    total: 7.34s  remaining: 31.7s
188: learn: 0.0915840    total: 7.41s  remaining: 31.8s
189: learn: 0.0913797    total: 7.49s  remaining: 31.9s
190: learn: 0.0913206    total: 7.5s   remaining: 31.8s
191: learn: 0.0910921    total: 7.56s  remaining: 31.8s
192: learn: 0.0908542    total: 7.6s   remaining: 31.8s
193: learn: 0.0905590    total: 7.62s  remaining: 31.7s
194: learn: 0.0903927    total: 7.72s  remaining: 31.9s
195: learn: 0.0903098    total: 7.72s  remaining: 31.7s
196: learn: 0.0900682    total: 7.77s  remaining: 31.7s
197: learn: 0.0899681    total: 7.84s  remaining: 31.7s
198: learn: 0.0897699    total: 7.88s  remaining: 31.7s
199: learn: 0.0896828    total: 7.88s  remaining: 31.5s
200: learn: 0.0894988    total: 7.93s  remaining: 31.5s
201: learn: 0.0892983    total: 7.94s  remaining: 31.4s
202: learn: 0.0890219    total: 8.15s  remaining: 32s
203: learn: 0.0889524    total: 8.16s  remaining: 31.8s
204: learn: 0.0887321    total: 8.29s  remaining: 32.2s
205: learn: 0.0885373    total: 8.44s  remaining: 32.5s
206: learn: 0.0884186    total: 8.45s  remaining: 32.4s
207: learn: 0.0882587    total: 8.46s  remaining: 32.2s
208: learn: 0.0879658    total: 8.54s  remaining: 32.3s
209: learn: 0.0877876    total: 8.54s  remaining: 32.1s
210: learn: 0.0876044    total: 8.55s  remaining: 32s
211: learn: 0.0874191    total: 8.61s  remaining: 32s
212: learn: 0.0872364    total: 8.64s  remaining: 31.9s
213: learn: 0.0871383    total: 8.69s  remaining: 31.9s
214: learn: 0.0869585    total: 8.74s  remaining: 31.9s
215: learn: 0.0869056    total: 8.78s  remaining: 31.9s
216: learn: 0.0866489    total: 8.79s  remaining: 31.7s
217: learn: 0.0865902    total: 8.81s  remaining: 31.6s
218: learn: 0.0863598    total: 8.87s  remaining: 31.6s
219: learn: 0.0861204    total: 8.88s  remaining: 31.5s
220: learn: 0.0858637    total: 8.93s  remaining: 31.5s
221: learn: 0.0856333    total: 8.94s  remaining: 31.3s
222: learn: 0.0854735    total: 9.03s  remaining: 31.5s
223: learn: 0.0852068    total: 9.08s  remaining: 31.4s
224: learn: 0.0850124    total: 9.12s  remaining: 31.4s
225: learn: 0.0847138    total: 9.15s  remaining: 31.3s
226: learn: 0.0846209    total: 9.19s  remaining: 31.3s
227: learn: 0.0845707    total: 9.22s  remaining: 31.2s
228: learn: 0.0844328    total: 9.26s  remaining: 31.2s
229: learn: 0.0841782    total: 9.31s  remaining: 31.2s
230: learn: 0.0840208    total: 9.42s  remaining: 31.4s
231: learn: 0.0837319    total: 9.44s  remaining: 31.3s
232: learn: 0.0835106    total: 9.5s   remaining: 31.3s
233: learn: 0.0832541    total: 9.54s  remaining: 31.2s

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234: learn: 0.0830786    total: 9.54s  remaining: 31.1s
235: learn: 0.0830173    total: 9.64s  remaining: 31.2s
236: learn: 0.0828235    total: 9.7s   remaining: 31.2s
237: learn: 0.0826480    total: 9.7s   remaining: 31.1s
238: learn: 0.0824316    total: 9.72s  remaining: 31s
239: learn: 0.0822754    total: 9.76s  remaining: 30.9s
240: learn: 0.0821338    total: 9.78s  remaining: 30.8s
241: learn: 0.0820426    total: 9.8s   remaining: 30.7s
242: learn: 0.0818219    total: 9.82s  remaining: 30.6s
243: learn: 0.0817123    total: 9.86s  remaining: 30.5s
244: learn: 0.0815390    total: 9.89s  remaining: 30.5s
245: learn: 0.0814600    total: 9.91s  remaining: 30.4s
246: learn: 0.0812559    total: 9.98s  remaining: 30.4s
247: learn: 0.0812086    total: 9.99s  remaining: 30.3s
248: learn: 0.0810059    total: 10.1s  remaining: 30.4s
249: learn: 0.0808602    total: 10.1s  remaining: 30.3s
250: learn: 0.0805778    total: 10.2s  remaining: 30.3s
251: learn: 0.0803797    total: 10.2s  remaining: 30.4s
252: learn: 0.0803144    total: 10.3s  remaining: 30.3s
253: learn: 0.0801541    total: 10.3s  remaining: 30.2s
254: learn: 0.0800206    total: 10.3s  remaining: 30.2s
255: learn: 0.0798446    total: 10.4s  remaining: 30.1s
256: learn: 0.0795970    total: 10.4s  remaining: 30s
257: learn: 0.0794449    total: 10.5s  remaining: 30.1s
258: learn: 0.0792251    total: 10.5s  remaining: 30.2s
259: learn: 0.0790813    total: 10.6s  remaining: 30s
260: learn: 0.0789014    total: 10.6s  remaining: 29.9s
261: learn: 0.0787145    total: 10.6s  remaining: 29.8s
262: learn: 0.0784908    total: 10.6s  remaining: 29.7s
263: learn: 0.0784357    total: 10.7s  remaining: 29.8s
264: learn: 0.0783837    total: 10.7s  remaining: 29.7s
265: learn: 0.0781987    total: 10.7s  remaining: 29.7s
266: learn: 0.0781615    total: 10.8s  remaining: 29.6s
267: learn: 0.0780813    total: 10.8s  remaining: 29.5s
268: learn: 0.0780369    total: 10.9s  remaining: 29.6s
269: learn: 0.0778300    total: 10.9s  remaining: 29.5s
270: learn: 0.0775926    total: 10.9s  remaining: 29.4s
271: learn: 0.0775409    total: 11s   remaining: 29.3s
272: learn: 0.0775079    total: 11s   remaining: 29.3s
273: learn: 0.0773590    total: 11s   remaining: 29.2s
274: learn: 0.0773165    total: 11s   remaining: 29.1s
275: learn: 0.0771928    total: 11.1s  remaining: 29s
276: learn: 0.0771528    total: 11.1s  remaining: 28.9s
277: learn: 0.0771278    total: 11.1s  remaining: 28.8s
278: learn: 0.0769679    total: 11.1s  remaining: 28.6s
279: learn: 0.0768942    total: 11.1s  remaining: 28.5s
280: learn: 0.0768579    total: 11.1s  remaining: 28.4s
281: learn: 0.0766660    total: 11.1s  remaining: 28.3s
282: learn: 0.0764619    total: 11.2s  remaining: 28.3s
283: learn: 0.0763137    total: 11.2s  remaining: 28.3s
284: learn: 0.0761145    total: 11.3s  remaining: 28.2s
285: learn: 0.0759024    total: 11.3s  remaining: 28.2s
286: learn: 0.0758403    total: 11.3s  remaining: 28.1s
287: learn: 0.0757793    total: 11.3s  remaining: 28.1s
288: learn: 0.0757471    total: 11.4s  remaining: 28s
289: learn: 0.0755812    total: 11.4s  remaining: 27.9s
290: learn: 0.0753864    total: 11.5s  remaining: 27.9s
291: learn: 0.0752343    total: 11.5s  remaining: 27.8s
292: learn: 0.0752064    total: 11.5s  remaining: 27.8s
293: learn: 0.0750100    total: 11.5s  remaining: 27.7s
294: learn: 0.0749773    total: 11.6s  remaining: 27.6s
295: learn: 0.0747786    total: 11.6s  remaining: 27.6s
296: learn: 0.0746994    total: 11.6s  remaining: 27.5s
297: learn: 0.0745330    total: 11.6s  remaining: 27.4s

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298: learn: 0.0744142    total: 11.7s  remaining: 27.3s
299: learn: 0.0743599    total: 11.7s  remaining: 27.3s
300: learn: 0.0743337    total: 11.7s  remaining: 27.2s
301: learn: 0.0741253    total: 11.7s  remaining: 27.1s
302: learn: 0.0739774    total: 11.8s  remaining: 27s
303: learn: 0.0738143    total: 11.8s  remaining: 27s
304: learn: 0.0736491    total: 11.8s  remaining: 26.9s
305: learn: 0.0734967    total: 11.8s  remaining: 26.9s
306: learn: 0.0733763    total: 11.9s  remaining: 26.8s
307: learn: 0.0732407    total: 11.9s  remaining: 26.7s
308: learn: 0.0730994    total: 11.9s  remaining: 26.6s
309: learn: 0.0729770    total: 11.9s  remaining: 26.6s
310: learn: 0.0728328    total: 12s    remaining: 26.5s
311: learn: 0.0726743    total: 12s    remaining: 26.4s
312: learn: 0.0725166    total: 12.1s  remaining: 26.5s
313: learn: 0.0723940    total: 12.1s  remaining: 26.4s
314: learn: 0.0723554    total: 12.1s  remaining: 26.3s
315: learn: 0.0721899    total: 12.1s  remaining: 26.3s
316: learn: 0.0720554    total: 12.2s  remaining: 26.3s
317: learn: 0.0720017    total: 12.2s  remaining: 26.3s
318: learn: 0.0718170    total: 12.3s  remaining: 26.2s
319: learn: 0.0717988    total: 12.3s  remaining: 26.1s
320: learn: 0.0717088    total: 12.3s  remaining: 26.1s
321: learn: 0.0715802    total: 12.3s  remaining: 26s
322: learn: 0.0714395    total: 12.4s  remaining: 25.9s
323: learn: 0.0713939    total: 12.4s  remaining: 25.9s
324: learn: 0.0712789    total: 12.4s  remaining: 25.8s
325: learn: 0.0711617    total: 12.4s  remaining: 25.7s
164: learn: 0.1014534    total: 6.58s  remaining: 33.3s
165: learn: 0.1013262    total: 6.64s  remaining: 33.4s
166: learn: 0.1011212    total: 6.79s  remaining: 33.9s
167: learn: 0.1009528    total: 6.83s  remaining: 33.8s
168: learn: 0.1007771    total: 6.86s  remaining: 33.8s
169: learn: 0.1005611    total: 6.92s  remaining: 33.8s
170: learn: 0.1003805    total: 6.97s  remaining: 33.8s
171: learn: 0.1000886    total: 7.09s  remaining: 34.1s
172: learn: 0.0998903    total: 7.23s  remaining: 34.6s
173: learn: 0.0997950    total: 7.26s  remaining: 34.5s
174: learn: 0.0995031    total: 7.28s  remaining: 34.3s
175: learn: 0.0994043    total: 7.39s  remaining: 34.6s
176: learn: 0.0991025    total: 7.4s   remaining: 34.4s
177: learn: 0.0989536    total: 7.41s  remaining: 34.2s
178: learn: 0.0987037    total: 7.42s  remaining: 34s
179: learn: 0.0985613    total: 7.44s  remaining: 33.9s
180: learn: 0.0984083    total: 7.51s  remaining: 34s
181: learn: 0.0981604    total: 7.53s  remaining: 33.8s
182: learn: 0.0979793    total: 7.56s  remaining: 33.7s
183: learn: 0.0978023    total: 7.57s  remaining: 33.6s
184: learn: 0.0976690    total: 7.57s  remaining: 33.4s
185: learn: 0.0974262    total: 7.64s  remaining: 33.4s
186: learn: 0.0972666    total: 7.74s  remaining: 33.6s
187: learn: 0.0971098    total: 7.76s  remaining: 33.5s
188: learn: 0.0969659    total: 7.77s  remaining: 33.3s
189: learn: 0.0967153    total: 7.83s  remaining: 33.4s
190: learn: 0.0964930    total: 7.84s  remaining: 33.2s
191: learn: 0.0962817    total: 7.86s  remaining: 33.1s
192: learn: 0.0960517    total: 7.88s  remaining: 32.9s
193: learn: 0.0958642    total: 7.88s  remaining: 32.7s
194: learn: 0.0956730    total: 7.93s  remaining: 32.7s
195: learn: 0.0954245    total: 7.98s  remaining: 32.8s
196: learn: 0.0952354    total: 8.01s  remaining: 32.7s
197: learn: 0.0951172    total: 8.02s  remaining: 32.5s
198: learn: 0.0949795    total: 8.05s  remaining: 32.4s
199: learn: 0.0948233    total: 8.08s  remaining: 32.3s

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200: learn: 0.0945440    total: 8.14s  remaining: 32.4s
201: learn: 0.0944440    total: 8.15s  remaining: 32.2s
202: learn: 0.0942212    total: 8.18s  remaining: 32.1s
203: learn: 0.0941180    total: 8.18s  remaining: 31.9s
204: learn: 0.0939073    total: 8.21s  remaining: 31.9s
205: learn: 0.0936532    total: 8.25s  remaining: 31.8s
206: learn: 0.0934429    total: 8.29s  remaining: 31.8s
207: learn: 0.0932462    total: 8.32s  remaining: 31.7s
208: learn: 0.0930472    total: 8.36s  remaining: 31.6s
209: learn: 0.0929831    total: 8.38s  remaining: 31.5s
210: learn: 0.0927465    total: 8.4s   remaining: 31.4s
211: learn: 0.0926289    total: 8.46s  remaining: 31.5s
212: learn: 0.0924817    total: 8.49s  remaining: 31.4s
213: learn: 0.0922933    total: 8.52s  remaining: 31.3s
214: learn: 0.0920668    total: 8.55s  remaining: 31.2s
215: learn: 0.0919749    total: 8.63s  remaining: 31.3s
216: learn: 0.0918155    total: 8.65s  remaining: 31.2s
217: learn: 0.0916849    total: 8.72s  remaining: 31.3s
218: learn: 0.0915717    total: 8.75s  remaining: 31.2s
219: learn: 0.0913501    total: 8.8s   remaining: 31.2s
220: learn: 0.0911800    total: 8.85s  remaining: 31.2s
221: learn: 0.0910168    total: 8.89s  remaining: 31.1s
222: learn: 0.0908524    total: 8.92s  remaining: 31.1s
223: learn: 0.0907289    total: 8.96s  remaining: 31s
224: learn: 0.0906014    total: 9s    remaining: 31s
225: learn: 0.0903715    total: 9.03s  remaining: 30.9s
226: learn: 0.0902030    total: 9.05s  remaining: 30.8s
227: learn: 0.0901234    total: 9.07s  remaining: 30.7s
228: learn: 0.0900412    total: 9.11s  remaining: 30.7s
229: learn: 0.0898250    total: 9.18s  remaining: 30.7s
230: learn: 0.0896025    total: 9.19s  remaining: 30.6s
231: learn: 0.0894409    total: 9.21s  remaining: 30.5s
232: learn: 0.0892394    total: 9.22s  remaining: 30.4s
233: learn: 0.0891940    total: 9.25s  remaining: 30.3s
234: learn: 0.0890515    total: 9.34s  remaining: 30.4s
235: learn: 0.0889535    total: 9.37s  remaining: 30.3s
236: learn: 0.0887600    total: 9.38s  remaining: 30.2s
237: learn: 0.0886077    total: 9.39s  remaining: 30.1s
238: learn: 0.0885271    total: 9.42s  remaining: 30s
239: learn: 0.0884666    total: 9.43s  remaining: 29.9s
240: learn: 0.0882909    total: 9.44s  remaining: 29.7s
241: learn: 0.0881979    total: 9.52s  remaining: 29.8s
242: learn: 0.0879813    total: 9.57s  remaining: 29.8s
243: learn: 0.0878056    total: 9.58s  remaining: 29.7s
244: learn: 0.0875914    total: 9.61s  remaining: 29.6s
245: learn: 0.0874199    total: 9.64s  remaining: 29.5s
246: learn: 0.0873773    total: 9.64s  remaining: 29.4s
247: learn: 0.0873165    total: 9.65s  remaining: 29.3s
248: learn: 0.0871342    total: 9.66s  remaining: 29.1s
249: learn: 0.0869943    total: 9.68s  remaining: 29s
250: learn: 0.0869211    total: 9.74s  remaining: 29.1s
251: learn: 0.0867443    total: 9.76s  remaining: 29s
252: learn: 0.0865780    total: 9.79s  remaining: 28.9s
253: learn: 0.0863959    total: 9.8s   remaining: 28.8s
254: learn: 0.0862249    total: 9.85s  remaining: 28.8s
255: learn: 0.0861817    total: 9.88s  remaining: 28.7s
256: learn: 0.0861097    total: 9.9s   remaining: 28.6s
257: learn: 0.0859620    total: 9.96s  remaining: 28.6s
258: learn: 0.0857112    total: 10.1s  remaining: 28.9s
259: learn: 0.0856815    total: 10.2s  remaining: 29s
260: learn: 0.0855566    total: 10.2s  remaining: 28.9s
261: learn: 0.0853818    total: 10.3s  remaining: 29s
262: learn: 0.0851119    total: 10.4s  remaining: 29s
263: learn: 0.0850553    total: 10.4s  remaining: 29.1s

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264: learn: 0.0849113    total: 10.6s  remaining: 29.4s
265: learn: 0.0847866    total: 10.7s  remaining: 29.4s
266: learn: 0.0846001    total: 10.7s  remaining: 29.4s
267: learn: 0.0844530    total: 10.8s  remaining: 29.4s
268: learn: 0.0844034    total: 10.8s  remaining: 29.3s
269: learn: 0.0843695    total: 10.8s  remaining: 29.2s
270: learn: 0.0840899    total: 10.9s  remaining: 29.4s
271: learn: 0.0838101    total: 10.9s  remaining: 29.3s
272: learn: 0.0836915    total: 10.9s  remaining: 29.2s
273: learn: 0.0835701    total: 11s    remaining: 29s
274: learn: 0.0833939    total: 11s    remaining: 29s
275: learn: 0.0832194    total: 11s    remaining: 28.9s
276: learn: 0.0831655    total: 11s    remaining: 28.8s
277: learn: 0.0831014    total: 11.1s  remaining: 28.8s
278: learn: 0.0828988    total: 11.1s  remaining: 28.8s
279: learn: 0.0827676    total: 11.2s  remaining: 28.7s
280: learn: 0.0827176    total: 11.2s  remaining: 28.6s
281: learn: 0.0825375    total: 11.3s  remaining: 28.7s
282: learn: 0.0823580    total: 11.4s  remaining: 28.8s
283: learn: 0.0821920    total: 11.4s  remaining: 28.6s
284: learn: 0.0820823    total: 11.4s  remaining: 28.5s
285: learn: 0.0820450    total: 11.5s  remaining: 28.6s
286: learn: 0.0818484    total: 11.6s  remaining: 28.7s
287: learn: 0.0818298    total: 11.6s  remaining: 28.7s
288: learn: 0.0817386    total: 11.7s  remaining: 28.7s
289: learn: 0.0815652    total: 11.7s  remaining: 28.6s
290: learn: 0.0815493    total: 11.8s  remaining: 28.8s
291: learn: 0.0813087    total: 11.9s  remaining: 28.8s
292: learn: 0.0811155    total: 11.9s  remaining: 28.7s
293: learn: 0.0809859    total: 11.9s  remaining: 28.6s
294: learn: 0.0809285    total: 12s    remaining: 28.6s
295: learn: 0.0807692    total: 12s    remaining: 28.6s
296: learn: 0.0807412    total: 12.1s  remaining: 28.6s
297: learn: 0.0804727    total: 12.1s  remaining: 28.5s
298: learn: 0.0803013    total: 12.1s  remaining: 28.4s
299: learn: 0.0801463    total: 12.1s  remaining: 28.3s
300: learn: 0.0799990    total: 12.1s  remaining: 28.2s
301: learn: 0.0798163    total: 12.1s  remaining: 28s
302: learn: 0.0797040    total: 12.1s  remaining: 27.9s
303: learn: 0.0795680    total: 12.1s  remaining: 27.8s
304: learn: 0.0793460    total: 12.2s  remaining: 27.7s
305: learn: 0.0792012    total: 12.2s  remaining: 27.6s
306: learn: 0.0790508    total: 12.2s  remaining: 27.5s
307: learn: 0.0788875    total: 12.3s  remaining: 27.5s
308: learn: 0.0787959    total: 12.3s  remaining: 27.5s
309: learn: 0.0786259    total: 12.3s  remaining: 27.5s
310: learn: 0.0785109    total: 12.4s  remaining: 27.4s
311: learn: 0.0784059    total: 12.4s  remaining: 27.3s
312: learn: 0.0782624    total: 12.5s  remaining: 27.3s
313: learn: 0.0781246    total: 12.5s  remaining: 27.3s
314: learn: 0.0779922    total: 12.5s  remaining: 27.3s
315: learn: 0.0778581    total: 12.6s  remaining: 27.3s
316: learn: 0.0776877    total: 12.6s  remaining: 27.2s
317: learn: 0.0775941    total: 12.7s  remaining: 27.3s
318: learn: 0.0774789    total: 12.7s  remaining: 27.1s
319: learn: 0.0772382    total: 12.7s  remaining: 27s
320: learn: 0.0770808    total: 12.7s  remaining: 27s
321: learn: 0.0768469    total: 12.8s  remaining: 26.9s

```

```

/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(

```

```

167: learn: 0.0944800    total: 7.65s  remaining: 37.9s
168: learn: 0.0942984    total: 7.71s  remaining: 37.9s
169: learn: 0.0941389    total: 7.72s  remaining: 37.7s
170: learn: 0.0939522    total: 7.75s  remaining: 37.6s
171: learn: 0.0938449    total: 7.83s  remaining: 37.7s
172: learn: 0.0936762    total: 7.93s  remaining: 37.9s
173: learn: 0.0934469    total: 8.01s  remaining: 38s
174: learn: 0.0933359    total: 8.03s  remaining: 37.9s
175: learn: 0.0932326    total: 8.07s  remaining: 37.8s
176: learn: 0.0931516    total: 8.09s  remaining: 37.6s
177: learn: 0.0927048    total: 8.09s  remaining: 37.4s
178: learn: 0.0924261    total: 8.1s   remaining: 37.1s
179: learn: 0.0922721    total: 8.11s  remaining: 36.9s
180: learn: 0.0922055    total: 8.13s  remaining: 36.8s
181: learn: 0.0920569    total: 8.16s  remaining: 36.7s
182: learn: 0.0918993    total: 8.22s  remaining: 36.7s
183: learn: 0.0917130    total: 8.24s  remaining: 36.5s
184: learn: 0.0915413    total: 8.24s  remaining: 36.3s
185: learn: 0.0913977    total: 8.3s   remaining: 36.3s
186: learn: 0.0913225    total: 8.38s  remaining: 36.4s
187: learn: 0.0912074    total: 8.41s  remaining: 36.3s
188: learn: 0.0909907    total: 8.45s  remaining: 36.2s
189: learn: 0.0908182    total: 8.5s   remaining: 36.3s
190: learn: 0.0905272    total: 8.54s  remaining: 36.2s
191: learn: 0.0904038    total: 8.59s  remaining: 36.1s
192: learn: 0.0902765    total: 8.62s  remaining: 36s
193: learn: 0.0899983    total: 8.65s  remaining: 35.9s
194: learn: 0.0898264    total: 8.68s  remaining: 35.8s
195: learn: 0.0897243    total: 8.7s   remaining: 35.7s
196: learn: 0.0896317    total: 8.71s  remaining: 35.5s
197: learn: 0.0894453    total: 8.71s  remaining: 35.3s
198: learn: 0.0891988    total: 8.75s  remaining: 35.2s
199: learn: 0.0890232    total: 8.75s  remaining: 35s
200: learn: 0.0889735    total: 8.78s  remaining: 34.9s
201: learn: 0.0889207    total: 8.84s  remaining: 34.9s
202: learn: 0.0888199    total: 8.85s  remaining: 34.7s
203: learn: 0.0887135    total: 8.86s  remaining: 34.6s
204: learn: 0.0884925    total: 8.9s   remaining: 34.5s
205: learn: 0.0880804    total: 8.9s   remaining: 34.3s
206: learn: 0.0879541    total: 8.91s  remaining: 34.1s
207: learn: 0.0879091    total: 8.92s  remaining: 34s
208: learn: 0.0876124    total: 8.96s  remaining: 33.9s
209: learn: 0.0875011    total: 8.96s  remaining: 33.7s
210: learn: 0.0874017    total: 8.99s  remaining: 33.6s
211: learn: 0.0872548    total: 9.02s  remaining: 33.5s
212: learn: 0.0871517    total: 9.06s  remaining: 33.5s
213: learn: 0.0870730    total: 9.09s  remaining: 33.4s
214: learn: 0.0870046    total: 9.16s  remaining: 33.5s
215: learn: 0.0868528    total: 9.19s  remaining: 33.4s
216: learn: 0.0866974    total: 9.19s  remaining: 33.2s
217: learn: 0.0864953    total: 9.22s  remaining: 33.1s
218: learn: 0.0863505    total: 9.25s  remaining: 33s
219: learn: 0.0862082    total: 9.27s  remaining: 32.9s
220: learn: 0.0860009    total: 9.31s  remaining: 32.8s
221: learn: 0.0859038    total: 9.32s  remaining: 32.7s
222: learn: 0.0857383    total: 9.38s  remaining: 32.7s
223: learn: 0.0856284    total: 9.39s  remaining: 32.5s
224: learn: 0.0853675    total: 9.46s  remaining: 32.6s
225: learn: 0.0853344    total: 9.49s  remaining: 32.5s
226: learn: 0.0851782    total: 9.52s  remaining: 32.4s
227: learn: 0.0850225    total: 9.57s  remaining: 32.4s
228: learn: 0.0848933    total: 9.59s  remaining: 32.3s
229: learn: 0.0847235    total: 9.62s  remaining: 32.2s
230: learn: 0.0843830    total: 9.67s  remaining: 32.2s

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231: learn: 0.0842808    total: 9.72s  remaining: 32.2s
232: learn: 0.0842238    total: 9.78s  remaining: 32.2s
233: learn: 0.0841985    total: 9.79s  remaining: 32.1s
234: learn: 0.0841003    total: 9.86s  remaining: 32.1s
235: learn: 0.0840327    total: 9.89s  remaining: 32s
236: learn: 0.0837398    total: 9.96s  remaining: 32.1s
237: learn: 0.0836668    total: 9.98s  remaining: 31.9s
238: learn: 0.0834678    total: 10s    remaining: 31.9s
239: learn: 0.0834112    total: 10.1s  remaining: 31.9s
240: learn: 0.0833907    total: 10.1s  remaining: 31.7s
241: learn: 0.0832767    total: 10.1s  remaining: 31.6s
242: learn: 0.0832111    total: 10.2s  remaining: 31.6s
243: learn: 0.0831878    total: 10.2s  remaining: 31.5s
244: learn: 0.0831251    total: 10.2s  remaining: 31.4s
245: learn: 0.0830582    total: 10.2s  remaining: 31.3s
246: learn: 0.0828412    total: 10.2s  remaining: 31.2s
247: learn: 0.0826215    total: 10.2s  remaining: 31.1s
248: learn: 0.0824880    total: 10.3s  remaining: 31.1s
249: learn: 0.0821926    total: 10.3s  remaining: 31s
250: learn: 0.0821277    total: 10.4s  remaining: 31s
251: learn: 0.0820155    total: 10.4s  remaining: 30.9s
252: learn: 0.0819155    total: 10.5s  remaining: 30.9s
253: learn: 0.0818590    total: 10.5s  remaining: 30.9s
254: learn: 0.0816619    total: 10.6s  remaining: 30.8s
255: learn: 0.0816067    total: 10.6s  remaining: 30.8s
256: learn: 0.0815558    total: 10.6s  remaining: 30.7s
257: learn: 0.0814434    total: 10.7s  remaining: 30.8s
258: learn: 0.0813029    total: 10.8s  remaining: 30.8s
259: learn: 0.0811391    total: 10.9s  remaining: 30.9s
260: learn: 0.0810808    total: 10.9s  remaining: 30.8s
261: learn: 0.0809847    total: 10.9s  remaining: 30.8s
262: learn: 0.0808254    total: 11s    remaining: 30.8s
263: learn: 0.0806510    total: 11s    remaining: 30.8s
264: learn: 0.0805330    total: 11.1s  remaining: 30.8s
265: learn: 0.0803661    total: 11.1s  remaining: 30.6s
266: learn: 0.0802570    total: 11.1s  remaining: 30.6s
267: learn: 0.0802080    total: 11.2s  remaining: 30.6s
268: learn: 0.0801533    total: 11.2s  remaining: 30.5s
269: learn: 0.0801089    total: 11.2s  remaining: 30.4s
270: learn: 0.0799940    total: 11.3s  remaining: 30.5s
271: learn: 0.0797581    total: 11.4s  remaining: 30.4s
272: learn: 0.0796076    total: 11.4s  remaining: 30.4s
273: learn: 0.0793957    total: 11.4s  remaining: 30.3s
274: learn: 0.0793480    total: 11.5s  remaining: 30.3s
275: learn: 0.0792127    total: 11.5s  remaining: 30.3s
276: learn: 0.0790314    total: 11.6s  remaining: 30.3s
277: learn: 0.0788318    total: 11.7s  remaining: 30.4s
278: learn: 0.0786524    total: 11.7s  remaining: 30.3s
279: learn: 0.0784745    total: 11.8s  remaining: 30.2s
280: learn: 0.0783194    total: 11.8s  remaining: 30.3s
281: learn: 0.0781151    total: 11.9s  remaining: 30.3s
282: learn: 0.0780642    total: 12s    remaining: 30.3s
283: learn: 0.0779003    total: 12s    remaining: 30.3s
284: learn: 0.0777962    total: 12s    remaining: 30.2s
285: learn: 0.0776836    total: 12.1s  remaining: 30.1s
286: learn: 0.0776375    total: 12.1s  remaining: 30s
287: learn: 0.0775364    total: 12.1s  remaining: 30s
288: learn: 0.0773384    total: 12.2s  remaining: 30s
289: learn: 0.0770727    total: 12.2s  remaining: 29.9s
290: learn: 0.0769151    total: 12.3s  remaining: 29.9s
291: learn: 0.0768115    total: 12.3s  remaining: 29.8s
292: learn: 0.0766533    total: 12.3s  remaining: 29.7s
293: learn: 0.0764718    total: 12.3s  remaining: 29.6s
294: learn: 0.0763337    total: 12.5s  remaining: 29.8s

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295: learn: 0.0761246    total: 12.5s  remaining: 29.6s
296: learn: 0.0759589    total: 12.6s  remaining: 29.7s
297: learn: 0.0758146    total: 12.6s  remaining: 29.7s
298: learn: 0.0756713    total: 12.6s  remaining: 29.6s
299: learn: 0.0755078    total: 12.7s  remaining: 29.6s
300: learn: 0.0753752    total: 12.7s  remaining: 29.5s
301: learn: 0.0752013    total: 12.7s  remaining: 29.4s
302: learn: 0.0750825    total: 12.8s  remaining: 29.4s
303: learn: 0.0748488    total: 12.8s  remaining: 29.3s
304: learn: 0.0747256    total: 12.8s  remaining: 29.2s
305: learn: 0.0747058    total: 12.9s  remaining: 29.3s
306: learn: 0.0745075    total: 12.9s  remaining: 29.2s
307: learn: 0.0743734    total: 12.9s  remaining: 29.1s
308: learn: 0.0742916    total: 13s    remaining: 29s
309: learn: 0.0741775    total: 13s    remaining: 29s
310: learn: 0.0740119    total: 13.1s  remaining: 29s
311: learn: 0.0738628    total: 13.1s  remaining: 28.9s
312: learn: 0.0738436    total: 13.2s  remaining: 28.9s
313: learn: 0.0737263    total: 13.3s  remaining: 29s
314: learn: 0.0735639    total: 13.3s  remaining: 28.9s
315: learn: 0.0734553    total: 13.3s  remaining: 28.8s
316: learn: 0.0734353    total: 13.3s  remaining: 28.7s
317: learn: 0.0732430    total: 13.3s  remaining: 28.6s
318: learn: 0.0731282    total: 13.4s  remaining: 28.6s
319: learn: 0.0730121    total: 13.4s  remaining: 28.5s
320: learn: 0.0729322    total: 13.4s  remaining: 28.4s
321: learn: 0.0728065    total: 13.4s  remaining: 28.3s
322: learn: 0.0726484    total: 13.5s  remaining: 28.3s
323: learn: 0.0724702    total: 13.5s  remaining: 28.2s
324: learn: 0.0723692    total: 13.6s  remaining: 28.2s
322: learn: 0.0690335    total: 11s    remaining: 23s
323: learn: 0.0689210    total: 11s    remaining: 23s
324: learn: 0.0687726    total: 11.1s  remaining: 23s
325: learn: 0.0686299    total: 11.1s  remaining: 22.9s
326: learn: 0.0684807    total: 11.1s  remaining: 22.9s
327: learn: 0.0683025    total: 11.1s  remaining: 22.8s
328: learn: 0.0682153    total: 11.2s  remaining: 22.7s
329: learn: 0.0681163    total: 11.2s  remaining: 22.7s
330: learn: 0.0679542    total: 11.2s  remaining: 22.6s
331: learn: 0.0677838    total: 11.2s  remaining: 22.5s
332: learn: 0.0676112    total: 11.2s  remaining: 22.4s
333: learn: 0.0675393    total: 11.2s  remaining: 22.4s
334: learn: 0.0673556    total: 11.2s  remaining: 22.3s
335: learn: 0.0672218    total: 11.2s  remaining: 22.2s
336: learn: 0.0670088    total: 11.3s  remaining: 22.1s
337: learn: 0.0668643    total: 11.3s  remaining: 22.1s
338: learn: 0.0666792    total: 11.3s  remaining: 22.1s
339: learn: 0.0665434    total: 11.3s  remaining: 22s
340: learn: 0.0663637    total: 11.3s  remaining: 21.9s
341: learn: 0.0663435    total: 11.4s  remaining: 21.9s
342: learn: 0.0662043    total: 11.4s  remaining: 21.8s
343: learn: 0.0660134    total: 11.5s  remaining: 21.9s
344: learn: 0.0657984    total: 11.5s  remaining: 21.8s
345: learn: 0.0656445    total: 11.5s  remaining: 21.8s
346: learn: 0.0654858    total: 11.5s  remaining: 21.7s
347: learn: 0.0653240    total: 11.5s  remaining: 21.6s
348: learn: 0.0651693    total: 11.6s  remaining: 21.6s
349: learn: 0.0649445    total: 11.6s  remaining: 21.5s
350: learn: 0.0648189    total: 11.6s  remaining: 21.4s
351: learn: 0.0646783    total: 11.6s  remaining: 21.3s
352: learn: 0.0645720    total: 11.6s  remaining: 21.2s
353: learn: 0.0644384    total: 11.6s  remaining: 21.3s
354: learn: 0.0642282    total: 11.7s  remaining: 21.2s
355: learn: 0.0641036    total: 11.7s  remaining: 21.2s

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356: learn: 0.0639229    total: 11.8s  remaining: 21.2s
357: learn: 0.0637648    total: 11.8s  remaining: 21.2s
358: learn: 0.0636652    total: 11.8s  remaining: 21.1s
359: learn: 0.0634994    total: 11.8s  remaining: 21.1s
360: learn: 0.0633014    total: 11.9s  remaining: 21s
361: learn: 0.0631027    total: 11.9s  remaining: 21s
362: learn: 0.0629807    total: 11.9s  remaining: 21s
363: learn: 0.0629108    total: 12s    remaining: 21s
364: learn: 0.0628224    total: 12s    remaining: 21s
365: learn: 0.0626927    total: 12.1s  remaining: 21s
366: learn: 0.0625318    total: 12.2s  remaining: 21s
367: learn: 0.0624331    total: 12.2s  remaining: 20.9s
368: learn: 0.0623396    total: 12.2s  remaining: 20.9s
369: learn: 0.0622331    total: 12.3s  remaining: 21s
370: learn: 0.0621368    total: 12.3s  remaining: 20.9s
371: learn: 0.0620000    total: 12.4s  remaining: 20.9s
372: learn: 0.0618985    total: 12.4s  remaining: 20.9s
373: learn: 0.0618425    total: 12.5s  remaining: 20.9s
374: learn: 0.0617039    total: 12.5s  remaining: 20.8s
375: learn: 0.0615970    total: 12.5s  remaining: 20.7s
376: learn: 0.0614516    total: 12.6s  remaining: 20.7s
377: learn: 0.0614362    total: 12.6s  remaining: 20.7s
378: learn: 0.0613783    total: 12.6s  remaining: 20.7s
379: learn: 0.0612550    total: 12.7s  remaining: 20.7s
380: learn: 0.0611410    total: 12.7s  remaining: 20.7s
381: learn: 0.0610241    total: 12.8s  remaining: 20.7s
382: learn: 0.0609634    total: 12.8s  remaining: 20.6s
383: learn: 0.0609023    total: 12.9s  remaining: 20.6s
384: learn: 0.0608154    total: 12.9s  remaining: 20.6s
385: learn: 0.0607174    total: 12.9s  remaining: 20.5s
386: learn: 0.0605909    total: 12.9s  remaining: 20.5s
387: learn: 0.0604828    total: 13s    remaining: 20.5s
388: learn: 0.0604092    total: 13s    remaining: 20.4s
389: learn: 0.0603638    total: 13s    remaining: 20.4s
390: learn: 0.0602365    total: 13.1s  remaining: 20.4s
391: learn: 0.0601626    total: 13.1s  remaining: 20.3s
392: learn: 0.0600207    total: 13.2s  remaining: 20.3s
393: learn: 0.0598931    total: 13.2s  remaining: 20.3s
394: learn: 0.0597937    total: 13.2s  remaining: 20.3s
395: learn: 0.0597258    total: 13.3s  remaining: 20.2s
396: learn: 0.0596379    total: 13.3s  remaining: 20.2s
397: learn: 0.0595095    total: 13.3s  remaining: 20.1s
398: learn: 0.0593744    total: 13.3s  remaining: 20.1s
399: learn: 0.0592480    total: 13.4s  remaining: 20.1s
400: learn: 0.0591912    total: 13.5s  remaining: 20.1s
401: learn: 0.0590851    total: 13.5s  remaining: 20.1s
402: learn: 0.0589620    total: 13.5s  remaining: 20s
403: learn: 0.0588212    total: 13.6s  remaining: 20s
404: learn: 0.0586688    total: 13.6s  remaining: 20s
405: learn: 0.0585005    total: 13.7s  remaining: 20s
406: learn: 0.0584777    total: 13.8s  remaining: 20.1s
407: learn: 0.0583369    total: 13.8s  remaining: 20.1s
408: learn: 0.0583044    total: 13.9s  remaining: 20s
409: learn: 0.0582100    total: 14s    remaining: 20.1s
410: learn: 0.0581046    total: 14s    remaining: 20.1s
411: learn: 0.0580568    total: 14s    remaining: 20s
412: learn: 0.0579646    total: 14.1s  remaining: 20s
413: learn: 0.0579451    total: 14.1s  remaining: 20s
414: learn: 0.0578446    total: 14.2s  remaining: 20s
415: learn: 0.0578104    total: 14.2s  remaining: 20s
416: learn: 0.0576819    total: 14.2s  remaining: 19.9s
417: learn: 0.0575862    total: 14.3s  remaining: 19.9s
418: learn: 0.0575559    total: 14.3s  remaining: 19.8s
419: learn: 0.0574030    total: 14.3s  remaining: 19.8s

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420: learn: 0.0572942    total: 14.4s  remaining: 19.8s
421: learn: 0.0571752    total: 14.4s  remaining: 19.8s
422: learn: 0.0570869    total: 14.5s  remaining: 19.7s
423: learn: 0.0569965    total: 14.5s  remaining: 19.7s
424: learn: 0.0568400    total: 14.5s  remaining: 19.6s
425: learn: 0.0567444    total: 14.5s  remaining: 19.6s
426: learn: 0.0567330    total: 14.6s  remaining: 19.5s
427: learn: 0.0566333    total: 14.6s  remaining: 19.5s
428: learn: 0.0565411    total: 14.6s  remaining: 19.5s
429: learn: 0.0564809    total: 14.6s  remaining: 19.4s
430: learn: 0.0564075    total: 14.7s  remaining: 19.4s
431: learn: 0.0562228    total: 14.7s  remaining: 19.4s
432: learn: 0.0561131    total: 14.8s  remaining: 19.4s
433: learn: 0.0560180    total: 14.8s  remaining: 19.3s
434: learn: 0.0559561    total: 14.9s  remaining: 19.3s
435: learn: 0.0558530    total: 14.9s  remaining: 19.2s
436: learn: 0.0557254    total: 14.9s  remaining: 19.2s
437: learn: 0.0556602    total: 14.9s  remaining: 19.1s
438: learn: 0.0556357    total: 14.9s  remaining: 19.1s
439: learn: 0.0555139    total: 15s    remaining: 19s
440: learn: 0.0554110    total: 15s    remaining: 19s
441: learn: 0.0552931    total: 15s    remaining: 19s
442: learn: 0.0551582    total: 15.1s  remaining: 18.9s
443: learn: 0.0550366    total: 15.1s  remaining: 18.9s
444: learn: 0.0549465    total: 15.1s  remaining: 18.9s
445: learn: 0.0548570    total: 15.2s  remaining: 18.9s
446: learn: 0.0547656    total: 15.2s  remaining: 18.8s
447: learn: 0.0546787    total: 15.2s  remaining: 18.8s
448: learn: 0.0545434    total: 15.3s  remaining: 18.7s
449: learn: 0.0544226    total: 15.3s  remaining: 18.7s
450: learn: 0.0543115    total: 15.4s  remaining: 18.7s
451: learn: 0.0542273    total: 15.4s  remaining: 18.6s
452: learn: 0.0541290    total: 15.4s  remaining: 18.6s
453: learn: 0.0540346    total: 15.4s  remaining: 18.6s
454: learn: 0.0539252    total: 15.5s  remaining: 18.5s
455: learn: 0.0538019    total: 15.5s  remaining: 18.5s
456: learn: 0.0537011    total: 15.5s  remaining: 18.5s
457: learn: 0.0535939    total: 15.6s  remaining: 18.5s
458: learn: 0.0535107    total: 15.6s  remaining: 18.4s
459: learn: 0.0534049    total: 15.7s  remaining: 18.4s
460: learn: 0.0533266    total: 15.7s  remaining: 18.4s
461: learn: 0.0532557    total: 15.8s  remaining: 18.4s
462: learn: 0.0531626    total: 15.8s  remaining: 18.3s
463: learn: 0.0529993    total: 15.8s  remaining: 18.3s
464: learn: 0.0529886    total: 15.8s  remaining: 18.2s
465: learn: 0.0529042    total: 15.9s  remaining: 18.2s
466: learn: 0.0528273    total: 15.9s  remaining: 18.2s
467: learn: 0.0526848    total: 16s    remaining: 18.2s
468: learn: 0.0526182    total: 16s    remaining: 18.1s
469: learn: 0.0525406    total: 16.1s  remaining: 18.1s
470: learn: 0.0524491    total: 16.1s  remaining: 18.1s
471: learn: 0.0523373    total: 16.1s  remaining: 18s
472: learn: 0.0522552    total: 16.1s  remaining: 18s
473: learn: 0.0521320    total: 16.1s  remaining: 17.9s
474: learn: 0.0520608    total: 16.2s  remaining: 17.9s
475: learn: 0.0519696    total: 16.2s  remaining: 17.8s
476: learn: 0.0518922    total: 16.2s  remaining: 17.8s
477: learn: 0.0518045    total: 16.3s  remaining: 17.8s
478: learn: 0.0517083    total: 16.3s  remaining: 17.7s
479: learn: 0.0516448    total: 16.3s  remaining: 17.7s
480: learn: 0.0515364    total: 16.3s  remaining: 17.6s
109: learn: 0.1159670    total: 5.61s  remaining: 45.4s
110: learn: 0.1155878    total: 5.62s  remaining: 45s
111: learn: 0.1151018    total: 5.66s  remaining: 44.9s

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112: learn: 0.1147623      total: 5.67s  remaining: 44.5s
113: learn: 0.1142561      total: 5.68s  remaining: 44.1s
114: learn: 0.1138007      total: 5.7s   remaining: 43.9s
115: learn: 0.1134915      total: 5.81s  remaining: 44.3s
116: learn: 0.1129875      total: 5.83s  remaining: 44s
117: learn: 0.1126184      total: 5.9s   remaining: 44.1s
118: learn: 0.1123394      total: 5.99s  remaining: 44.3s
119: learn: 0.1119740      total: 6.03s  remaining: 44.2s
120: learn: 0.1116543      total: 6.1s   remaining: 44.3s
121: learn: 0.1113081      total: 6.15s  remaining: 44.3s
122: learn: 0.1109903      total: 6.21s  remaining: 44.3s
123: learn: 0.1107951      total: 6.29s  remaining: 44.4s
124: learn: 0.1104565      total: 6.32s  remaining: 44.3s
125: learn: 0.1102446      total: 6.41s  remaining: 44.5s
126: learn: 0.1098890      total: 6.48s  remaining: 44.5s
127: learn: 0.1095509      total: 6.5s   remaining: 44.3s
128: learn: 0.1091941      total: 6.52s  remaining: 44s
129: learn: 0.1089039      total: 6.58s  remaining: 44.1s
130: learn: 0.1086396      total: 6.59s  remaining: 43.8s
131: learn: 0.1083611      total: 6.6s   remaining: 43.4s
132: learn: 0.1081000      total: 6.61s  remaining: 43.1s
133: learn: 0.1078355      total: 6.63s  remaining: 42.8s
134: learn: 0.1075962      total: 6.67s  remaining: 42.7s
135: learn: 0.1072987      total: 6.69s  remaining: 42.5s
136: learn: 0.1070176      total: 6.7s   remaining: 42.2s
137: learn: 0.1067764      total: 6.73s  remaining: 42s
138: learn: 0.1065454      total: 6.77s  remaining: 41.9s
139: learn: 0.1063186      total: 6.78s  remaining: 41.7s
140: learn: 0.1059524      total: 6.79s  remaining: 41.4s
141: learn: 0.1057735      total: 6.84s  remaining: 41.3s
142: learn: 0.1055284      total: 6.89s  remaining: 41.3s
143: learn: 0.1052880      total: 6.92s  remaining: 41.1s
144: learn: 0.1050860      total: 6.96s  remaining: 41s
145: learn: 0.1048368      total: 7.02s  remaining: 41.1s
146: learn: 0.1046091      total: 7.04s  remaining: 40.8s
147: learn: 0.1043555      total: 7.07s  remaining: 40.7s
148: learn: 0.1041221      total: 7.07s  remaining: 40.4s
149: learn: 0.1038536      total: 7.15s  remaining: 40.5s
150: learn: 0.1035728      total: 7.2s   remaining: 40.5s
151: learn: 0.1033512      total: 7.27s  remaining: 40.5s
152: learn: 0.1031779      total: 7.31s  remaining: 40.5s
153: learn: 0.1029266      total: 7.39s  remaining: 40.6s
154: learn: 0.1025031      total: 7.42s  remaining: 40.5s
155: learn: 0.1022406      total: 7.52s  remaining: 40.7s
156: learn: 0.1020383      total: 7.6s   remaining: 40.8s
157: learn: 0.1017903      total: 7.69s  remaining: 41s
158: learn: 0.1016073      total: 7.71s  remaining: 40.8s
159: learn: 0.1015000      total: 7.76s  remaining: 40.7s
160: learn: 0.1013199      total: 7.82s  remaining: 40.7s
161: learn: 0.1010606      total: 7.87s  remaining: 40.7s
162: learn: 0.1008845      total: 7.89s  remaining: 40.5s
163: learn: 0.1006332      total: 7.93s  remaining: 40.4s
164: learn: 0.1004751      total: 7.97s  remaining: 40.3s
165: learn: 0.1003425      total: 8.01s  remaining: 40.2s
166: learn: 0.1002091      total: 8.04s  remaining: 40.1s
167: learn: 0.0998912      total: 8.1s   remaining: 40.1s
168: learn: 0.0996755      total: 8.2s   remaining: 40.3s
169: learn: 0.0995466      total: 8.26s  remaining: 40.3s
170: learn: 0.0993002      total: 8.31s  remaining: 40.3s
171: learn: 0.0990337      total: 8.35s  remaining: 40.2s
172: learn: 0.0988308      total: 8.44s  remaining: 40.3s
173: learn: 0.0985717      total: 8.49s  remaining: 40.3s
174: learn: 0.0983920      total: 8.58s  remaining: 40.5s
175: learn: 0.0981805      total: 8.65s  remaining: 40.5s

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176: learn: 0.0979815      total: 8.68s  remaining: 40.3s
177: learn: 0.0977779      total: 8.78s  remaining: 40.5s
178: learn: 0.0975796      total: 8.78s  remaining: 40.3s
179: learn: 0.0974505      total: 8.83s  remaining: 40.2s
180: learn: 0.0972644      total: 8.97s  remaining: 40.6s
181: learn: 0.0970783      total: 9.01s  remaining: 40.5s
182: learn: 0.0968554      total: 9.13s  remaining: 40.8s
183: learn: 0.0966250      total: 9.19s  remaining: 40.8s
184: learn: 0.0964007      total: 9.32s  remaining: 41.1s
185: learn: 0.0962244      total: 9.34s  remaining: 40.9s
186: learn: 0.0960167      total: 9.39s  remaining: 40.8s
187: learn: 0.0958913      total: 9.4s   remaining: 40.6s
188: learn: 0.0956935      total: 9.48s  remaining: 40.7s
189: learn: 0.0955381      total: 9.55s  remaining: 40.7s
190: learn: 0.0953528      total: 9.57s  remaining: 40.6s
191: learn: 0.0952918      total: 9.58s  remaining: 40.3s
192: learn: 0.0951595      total: 9.66s  remaining: 40.4s
193: learn: 0.0950655      total: 9.71s  remaining: 40.3s
194: learn: 0.0948555      total: 9.74s  remaining: 40.2s
195: learn: 0.0946982      total: 9.78s  remaining: 40.1s
196: learn: 0.0945628      total: 9.85s  remaining: 40.2s
197: learn: 0.0943643      total: 9.87s  remaining: 40s
198: learn: 0.0942127      total: 9.88s  remaining: 39.8s
199: learn: 0.0937408      total: 9.9s   remaining: 39.6s
200: learn: 0.0935846      total: 9.93s  remaining: 39.5s
201: learn: 0.0934711      total: 9.96s  remaining: 39.4s
202: learn: 0.0933432      total: 9.98s  remaining: 39.2s
203: learn: 0.0931108      total: 10s    remaining: 39s
204: learn: 0.0928928      total: 10s    remaining: 38.9s
205: learn: 0.0927724      total: 10.1s  remaining: 38.7s
206: learn: 0.0925790      total: 10.1s  remaining: 38.7s
207: learn: 0.0924600      total: 10.1s  remaining: 38.5s
208: learn: 0.0923025      total: 10.2s  remaining: 38.6s
209: learn: 0.0922545      total: 10.2s  remaining: 38.5s
210: learn: 0.0920931      total: 10.3s  remaining: 38.4s
211: learn: 0.0919055      total: 10.3s  remaining: 38.4s
212: learn: 0.0917501      total: 10.4s  remaining: 38.4s
213: learn: 0.0915910      total: 10.4s  remaining: 38.2s
214: learn: 0.0913610      total: 10.5s  remaining: 38.2s
215: learn: 0.0910832      total: 10.5s  remaining: 38s
216: learn: 0.0909749      total: 10.5s  remaining: 37.9s
217: learn: 0.0908084      total: 10.5s  remaining: 37.8s
218: learn: 0.0906423      total: 10.5s  remaining: 37.6s
219: learn: 0.0903523      total: 10.6s  remaining: 37.5s
220: learn: 0.0900984      total: 10.6s  remaining: 37.4s
221: learn: 0.0899652      total: 10.6s  remaining: 37.3s
222: learn: 0.0898378      total: 10.7s  remaining: 37.1s
223: learn: 0.0896400      total: 10.7s  remaining: 37s
224: learn: 0.0894884      total: 10.7s  remaining: 36.9s
225: learn: 0.0893821      total: 10.8s  remaining: 36.9s
226: learn: 0.0892965      total: 10.8s  remaining: 36.8s
227: learn: 0.0890849      total: 10.8s  remaining: 36.6s
228: learn: 0.0889570      total: 10.8s  remaining: 36.5s
229: learn: 0.0888126      total: 10.8s  remaining: 36.3s
230: learn: 0.0886598      total: 10.9s  remaining: 36.2s
231: learn: 0.0885412      total: 10.9s  remaining: 36.1s
232: learn: 0.0882725      total: 10.9s  remaining: 35.9s
233: learn: 0.0880699      total: 11s   remaining: 35.8s
234: learn: 0.0879372      total: 11s   remaining: 35.7s
235: learn: 0.0877941      total: 11.1s  remaining: 35.8s
236: learn: 0.0876025      total: 11.1s  remaining: 35.7s
237: learn: 0.0874883      total: 11.1s  remaining: 35.6s
238: learn: 0.0873237      total: 11.2s  remaining: 35.7s
239: learn: 0.0871542      total: 11.2s  remaining: 35.6s

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240: learn: 0.0870468    total: 11.3s  remaining: 35.6s
241: learn: 0.0869307    total: 11.4s  remaining: 35.6s
242: learn: 0.0868362    total: 11.4s  remaining: 35.5s
243: learn: 0.0867094    total: 11.4s  remaining: 35.3s
244: learn: 0.0865687    total: 11.5s  remaining: 35.3s
245: learn: 0.0864952    total: 11.5s  remaining: 35.1s
246: learn: 0.0862128    total: 11.5s  remaining: 35s
247: learn: 0.0860991    total: 11.5s  remaining: 34.9s
248: learn: 0.0859764    total: 11.5s  remaining: 34.8s
249: learn: 0.0858936    total: 11.6s  remaining: 34.8s
250: learn: 0.0857796    total: 11.6s  remaining: 34.6s
251: learn: 0.0856922    total: 11.6s  remaining: 34.5s
252: learn: 0.0855648    total: 11.6s  remaining: 34.3s
253: learn: 0.0853434    total: 11.7s  remaining: 34.2s
254: learn: 0.0852171    total: 11.7s  remaining: 34.2s
255: learn: 0.0851128    total: 11.7s  remaining: 34.1s
256: learn: 0.0850367    total: 11.7s  remaining: 33.9s
257: learn: 0.0849181    total: 11.8s  remaining: 34s
258: learn: 0.0847286    total: 11.8s  remaining: 33.9s
259: learn: 0.0846711    total: 11.9s  remaining: 33.8s
260: learn: 0.0845613    total: 11.9s  remaining: 33.7s
261: learn: 0.0844560    total: 12s   remaining: 33.7s
262: learn: 0.0842926    total: 12s   remaining: 33.6s
263: learn: 0.0842480    total: 12s   remaining: 33.5s
264: learn: 0.0841275    total: 12s   remaining: 33.3s
265: learn: 0.0840723    total: 12s   remaining: 33.2s
266: learn: 0.0839801    total: 12.1s  remaining: 33.1s
326: learn: 0.0710105    total: 12.5s  remaining: 25.6s
327: learn: 0.0709680    total: 12.5s  remaining: 25.6s
328: learn: 0.0707671    total: 12.5s  remaining: 25.5s
329: learn: 0.0706247    total: 12.5s  remaining: 25.4s
330: learn: 0.0705268    total: 12.6s  remaining: 25.5s
331: learn: 0.0704565    total: 12.7s  remaining: 25.6s
332: learn: 0.0703276    total: 12.7s  remaining: 25.5s
333: learn: 0.0703106    total: 12.8s  remaining: 25.5s
334: learn: 0.0701880    total: 12.8s  remaining: 25.4s
335: learn: 0.0700163    total: 12.8s  remaining: 25.3s
336: learn: 0.0698636    total: 12.8s  remaining: 25.2s
337: learn: 0.0698015    total: 12.9s  remaining: 25.2s
338: learn: 0.0696946    total: 12.9s  remaining: 25.2s
339: learn: 0.0695302    total: 12.9s  remaining: 25.1s
340: learn: 0.0693626    total: 13s   remaining: 25.1s
341: learn: 0.0692817    total: 13s   remaining: 25.1s
342: learn: 0.0692192    total: 13.1s  remaining: 25s
343: learn: 0.0691973    total: 13.1s  remaining: 24.9s
344: learn: 0.0690620    total: 13.1s  remaining: 24.8s
345: learn: 0.0688676    total: 13.1s  remaining: 24.8s
346: learn: 0.0687062    total: 13.2s  remaining: 24.8s
347: learn: 0.0685295    total: 13.2s  remaining: 24.7s
348: learn: 0.0684076    total: 13.3s  remaining: 24.7s
349: learn: 0.0683004    total: 13.3s  remaining: 24.6s
350: learn: 0.0681770    total: 13.3s  remaining: 24.7s
351: learn: 0.0681561    total: 13.4s  remaining: 24.7s
352: learn: 0.0679679    total: 13.5s  remaining: 24.7s
353: learn: 0.0677846    total: 13.5s  remaining: 24.6s
354: learn: 0.0677174    total: 13.5s  remaining: 24.6s
355: learn: 0.0676422    total: 13.6s  remaining: 24.5s
356: learn: 0.0674621    total: 13.6s  remaining: 24.5s
357: learn: 0.0673276    total: 13.6s  remaining: 24.5s
358: learn: 0.0672281    total: 13.7s  remaining: 24.4s
359: learn: 0.0670401    total: 13.8s  remaining: 24.5s
360: learn: 0.0669942    total: 13.9s  remaining: 24.5s
361: learn: 0.0668693    total: 13.9s  remaining: 24.5s
362: learn: 0.0667684    total: 13.9s  remaining: 24.4s

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363: learn: 0.0666182      total: 13.9s  remaining: 24.4s
364: learn: 0.0664696      total: 14.1s  remaining: 24.5s
365: learn: 0.0663546      total: 14.1s  remaining: 24.5s
366: learn: 0.0662967      total: 14.2s  remaining: 24.5s
367: learn: 0.0661370      total: 14.2s  remaining: 24.5s
368: learn: 0.0659926      total: 14.3s  remaining: 24.5s
369: learn: 0.0659178      total: 14.3s  remaining: 24.4s
370: learn: 0.0658467      total: 14.4s  remaining: 24.4s
371: learn: 0.0656733      total: 14.4s  remaining: 24.4s
372: learn: 0.0655795      total: 14.4s  remaining: 24.3s
373: learn: 0.0655217      total: 14.5s  remaining: 24.2s
374: learn: 0.0654421      total: 14.5s  remaining: 24.2s
375: learn: 0.0653882      total: 14.6s  remaining: 24.2s
376: learn: 0.0652324      total: 14.6s  remaining: 24.1s
377: learn: 0.0650923      total: 14.6s  remaining: 24.1s
378: learn: 0.0649360      total: 14.7s  remaining: 24.1s
379: learn: 0.0648087      total: 14.8s  remaining: 24.1s
380: learn: 0.0647082      total: 14.8s  remaining: 24s
381: learn: 0.0645180      total: 14.9s  remaining: 24s
382: learn: 0.0643946      total: 14.9s  remaining: 24.1s
383: learn: 0.0643243      total: 14.9s  remaining: 24s
384: learn: 0.0643056      total: 15s    remaining: 23.9s
385: learn: 0.0641898      total: 15s    remaining: 23.9s
386: learn: 0.0641039      total: 15.1s  remaining: 23.9s
387: learn: 0.0640167      total: 15.1s  remaining: 23.8s
388: learn: 0.0638961      total: 15.2s  remaining: 23.8s
389: learn: 0.0637435      total: 15.2s  remaining: 23.8s
390: learn: 0.0636407      total: 15.2s  remaining: 23.7s
391: learn: 0.0634631      total: 15.3s  remaining: 23.7s
392: learn: 0.0633594      total: 15.3s  remaining: 23.7s
393: learn: 0.0632505      total: 15.4s  remaining: 23.6s
394: learn: 0.0631348      total: 15.4s  remaining: 23.6s
395: learn: 0.0630757      total: 15.5s  remaining: 23.6s
396: learn: 0.0629873      total: 15.5s  remaining: 23.5s
397: learn: 0.0628716      total: 15.5s  remaining: 23.4s
398: learn: 0.0628587      total: 15.6s  remaining: 23.5s
399: learn: 0.0628026      total: 15.6s  remaining: 23.4s
400: learn: 0.0627069      total: 15.6s  remaining: 23.4s
401: learn: 0.0626034      total: 15.7s  remaining: 23.3s
402: learn: 0.0625070      total: 15.7s  remaining: 23.3s
403: learn: 0.0624136      total: 15.8s  remaining: 23.2s
404: learn: 0.0622880      total: 15.8s  remaining: 23.2s
405: learn: 0.0621596      total: 15.8s  remaining: 23.1s
406: learn: 0.0620279      total: 15.9s  remaining: 23.1s
407: learn: 0.0618947      total: 15.9s  remaining: 23.1s
408: learn: 0.0617367      total: 16s    remaining: 23.1s
409: learn: 0.0615977      total: 16s    remaining: 23s
410: learn: 0.0615090      total: 16.1s  remaining: 23s
411: learn: 0.0613844      total: 16.1s  remaining: 23s
412: learn: 0.0612455      total: 16.2s  remaining: 23s
413: learn: 0.0611036      total: 16.2s  remaining: 22.9s
414: learn: 0.0609839      total: 16.2s  remaining: 22.9s
415: learn: 0.0609409      total: 16.2s  remaining: 22.8s
416: learn: 0.0608233      total: 16.3s  remaining: 22.8s
417: learn: 0.0607795      total: 16.4s  remaining: 22.8s
418: learn: 0.0606494      total: 16.4s  remaining: 22.8s
419: learn: 0.0605465      total: 16.4s  remaining: 22.7s
420: learn: 0.0604796      total: 16.5s  remaining: 22.6s
421: learn: 0.0603312      total: 16.5s  remaining: 22.6s
422: learn: 0.0602383      total: 16.5s  remaining: 22.5s
423: learn: 0.0601204      total: 16.5s  remaining: 22.4s
424: learn: 0.0600434      total: 16.5s  remaining: 22.4s
425: learn: 0.0599367      total: 16.5s  remaining: 22.3s
426: learn: 0.0598348      total: 16.6s  remaining: 22.2s

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427: learn: 0.0597579    total: 16.6s  remaining: 22.2s
428: learn: 0.0596694    total: 16.6s  remaining: 22.1s
429: learn: 0.0595624    total: 16.6s  remaining: 22s
430: learn: 0.0594256    total: 16.6s  remaining: 22s
431: learn: 0.0593408    total: 16.7s  remaining: 21.9s
432: learn: 0.0592469    total: 16.7s  remaining: 21.8s
433: learn: 0.0591015    total: 16.7s  remaining: 21.8s
434: learn: 0.0588982    total: 16.7s  remaining: 21.7s
435: learn: 0.0588202    total: 16.7s  remaining: 21.6s
436: learn: 0.0587367    total: 16.7s  remaining: 21.6s
437: learn: 0.0585948    total: 16.8s  remaining: 21.5s
438: learn: 0.0584963    total: 16.8s  remaining: 21.5s
439: learn: 0.0583838    total: 16.8s  remaining: 21.4s
440: learn: 0.0582463    total: 16.8s  remaining: 21.3s
441: learn: 0.0581691    total: 16.9s  remaining: 21.3s
442: learn: 0.0580417    total: 16.9s  remaining: 21.2s
443: learn: 0.0579442    total: 16.9s  remaining: 21.2s
444: learn: 0.0578533    total: 16.9s  remaining: 21.1s
445: learn: 0.0577853    total: 17s    remaining: 21.1s
446: learn: 0.0576495    total: 17s    remaining: 21s
447: learn: 0.0574849    total: 17.1s  remaining: 21s
448: learn: 0.0573905    total: 17.1s  remaining: 21s
449: learn: 0.0572895    total: 17.2s  remaining: 21s
450: learn: 0.0572321    total: 17.3s  remaining: 21.1s
451: learn: 0.0571671    total: 17.4s  remaining: 21.1s
452: learn: 0.0569987    total: 17.4s  remaining: 21s
453: learn: 0.0569855    total: 17.4s  remaining: 21s
454: learn: 0.0569012    total: 17.5s  remaining: 21s
455: learn: 0.0568329    total: 17.5s  remaining: 20.9s
456: learn: 0.0567333    total: 17.5s  remaining: 20.8s
457: learn: 0.0566600    total: 17.6s  remaining: 20.8s
458: learn: 0.0565327    total: 17.6s  remaining: 20.8s
459: learn: 0.0564333    total: 17.6s  remaining: 20.7s
460: learn: 0.0563514    total: 17.6s  remaining: 20.6s
461: learn: 0.0562319    total: 17.7s  remaining: 20.6s
462: learn: 0.0561553    total: 17.7s  remaining: 20.5s
463: learn: 0.0560267    total: 17.7s  remaining: 20.5s
464: learn: 0.0559321    total: 17.8s  remaining: 20.4s
465: learn: 0.0558364    total: 17.8s  remaining: 20.4s
466: learn: 0.0557444    total: 17.8s  remaining: 20.3s
467: learn: 0.0556478    total: 17.8s  remaining: 20.3s
468: learn: 0.0555451    total: 17.8s  remaining: 20.2s
469: learn: 0.0554483    total: 17.9s  remaining: 20.1s
470: learn: 0.0553340    total: 17.9s  remaining: 20.1s
471: learn: 0.0552308    total: 17.9s  remaining: 20.1s
472: learn: 0.0551718    total: 18s    remaining: 20s
473: learn: 0.0551080    total: 18s    remaining: 20s
474: learn: 0.0550135    total: 18.1s  remaining: 20s
475: learn: 0.0549378    total: 18.1s  remaining: 19.9s
476: learn: 0.0548295    total: 18.1s  remaining: 19.9s
477: learn: 0.0547408    total: 18.2s  remaining: 19.9s
478: learn: 0.0546383    total: 18.2s  remaining: 19.8s
479: learn: 0.0545389    total: 18.2s  remaining: 19.7s
480: learn: 0.0544629    total: 18.3s  remaining: 19.8s
481: learn: 0.0543795    total: 18.3s  remaining: 19.7s
482: learn: 0.0542887    total: 18.4s  remaining: 19.7s
483: learn: 0.0541937    total: 18.5s  remaining: 19.7s
322: learn: 0.0766894    total: 12.9s  remaining: 26.9s
323: learn: 0.0765509    total: 12.9s  remaining: 27s
324: learn: 0.0764188    total: 13s    remaining: 26.9s
325: learn: 0.0762634    total: 13s    remaining: 26.9s
326: learn: 0.0761168    total: 13s    remaining: 26.8s
327: learn: 0.0759873    total: 13.1s  remaining: 26.8s
328: learn: 0.0758634    total: 13.1s  remaining: 26.8s

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329: learn: 0.0757194      total: 13.2s  remaining: 26.8s
330: learn: 0.0755400      total: 13.3s  remaining: 26.9s
331: learn: 0.0753940      total: 13.4s  remaining: 27s
332: learn: 0.0752466      total: 13.4s  remaining: 26.9s
333: learn: 0.0752090      total: 13.5s  remaining: 26.9s
334: learn: 0.0750413      total: 13.5s  remaining: 26.8s
335: learn: 0.0747815      total: 13.6s  remaining: 26.9s
336: learn: 0.0746403      total: 13.6s  remaining: 26.8s
337: learn: 0.0745144      total: 13.6s  remaining: 26.7s
338: learn: 0.0743797      total: 13.7s  remaining: 26.7s
339: learn: 0.0742528      total: 13.7s  remaining: 26.7s
340: learn: 0.0740960      total: 13.8s  remaining: 26.6s
341: learn: 0.0739009      total: 13.8s  remaining: 26.6s
342: learn: 0.0737868      total: 13.8s  remaining: 26.5s
343: learn: 0.0737090      total: 13.9s  remaining: 26.6s
344: learn: 0.0735760      total: 14s    remaining: 26.5s
345: learn: 0.0734309      total: 14s    remaining: 26.5s
346: learn: 0.0733442      total: 14.1s  remaining: 26.4s
347: learn: 0.0731760      total: 14.1s  remaining: 26.4s
348: learn: 0.0730096      total: 14.2s  remaining: 26.4s
349: learn: 0.0729679      total: 14.2s  remaining: 26.4s
350: learn: 0.0728164      total: 14.2s  remaining: 26.3s
351: learn: 0.0727260      total: 14.3s  remaining: 26.3s
352: learn: 0.0726999      total: 14.3s  remaining: 26.2s
353: learn: 0.0725956      total: 14.3s  remaining: 26.1s
354: learn: 0.0725053      total: 14.3s  remaining: 26.1s
355: learn: 0.0724133      total: 14.4s  remaining: 26s
356: learn: 0.0722381      total: 14.4s  remaining: 26s
357: learn: 0.0721331      total: 14.5s  remaining: 25.9s
358: learn: 0.0720174      total: 14.5s  remaining: 25.9s
359: learn: 0.0718580      total: 14.6s  remaining: 25.9s
360: learn: 0.0716809      total: 14.6s  remaining: 25.8s
361: learn: 0.0715813      total: 14.7s  remaining: 25.8s
362: learn: 0.0714355      total: 14.7s  remaining: 25.8s
363: learn: 0.0712411      total: 14.7s  remaining: 25.7s
364: learn: 0.0711249      total: 14.8s  remaining: 25.7s
365: learn: 0.0710196      total: 14.8s  remaining: 25.6s
366: learn: 0.0708980      total: 14.8s  remaining: 25.5s
367: learn: 0.0708071      total: 14.8s  remaining: 25.5s
368: learn: 0.0706224      total: 14.9s  remaining: 25.4s
369: learn: 0.0705062      total: 14.9s  remaining: 25.3s
370: learn: 0.0702927      total: 14.9s  remaining: 25.3s
371: learn: 0.0701942      total: 15s    remaining: 25.2s
372: learn: 0.0700374      total: 15s    remaining: 25.2s
373: learn: 0.0699808      total: 15s    remaining: 25.1s
374: learn: 0.0698816      total: 15s    remaining: 25.1s
375: learn: 0.0697367      total: 15s    remaining: 25s
376: learn: 0.0696040      total: 15.1s  remaining: 25s
377: learn: 0.0695315      total: 15.1s  remaining: 24.9s
378: learn: 0.0693532      total: 15.2s  remaining: 24.9s
379: learn: 0.0692165      total: 15.2s  remaining: 24.8s
380: learn: 0.0690642      total: 15.3s  remaining: 24.8s
381: learn: 0.0689047      total: 15.3s  remaining: 24.7s
382: learn: 0.0687701      total: 15.4s  remaining: 24.8s
383: learn: 0.0686408      total: 15.4s  remaining: 24.7s
384: learn: 0.0685360      total: 15.4s  remaining: 24.6s
385: learn: 0.0684202      total: 15.5s  remaining: 24.6s
386: learn: 0.0683057      total: 15.5s  remaining: 24.5s
387: learn: 0.0681921      total: 15.5s  remaining: 24.5s
388: learn: 0.0680872      total: 15.5s  remaining: 24.4s
389: learn: 0.0680324      total: 15.6s  remaining: 24.4s
390: learn: 0.0679312      total: 15.7s  remaining: 24.4s
391: learn: 0.0678654      total: 15.7s  remaining: 24.3s
392: learn: 0.0677614      total: 15.7s  remaining: 24.3s

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393: learn: 0.0676663    total: 15.8s  remaining: 24.2s
394: learn: 0.0675770    total: 15.8s  remaining: 24.2s
395: learn: 0.0674696    total: 15.8s  remaining: 24.1s
396: learn: 0.0673797    total: 15.8s  remaining: 24s
397: learn: 0.0673191    total: 15.8s  remaining: 24s
398: learn: 0.0672658    total: 15.9s  remaining: 23.9s
399: learn: 0.0671044    total: 15.9s  remaining: 23.9s
400: learn: 0.0668711    total: 15.9s  remaining: 23.8s
401: learn: 0.0667830    total: 16s    remaining: 23.8s
402: learn: 0.0666346    total: 16s    remaining: 23.7s
403: learn: 0.0665075    total: 16s    remaining: 23.7s
404: learn: 0.0663972    total: 16.1s  remaining: 23.6s
405: learn: 0.0662682    total: 16.1s  remaining: 23.6s
406: learn: 0.0662309    total: 16.1s  remaining: 23.5s
407: learn: 0.0660204    total: 16.1s  remaining: 23.4s
408: learn: 0.0658711    total: 16.2s  remaining: 23.3s
409: learn: 0.0657665    total: 16.2s  remaining: 23.4s
410: learn: 0.0656644    total: 16.3s  remaining: 23.3s
411: learn: 0.0655179    total: 16.3s  remaining: 23.3s
412: learn: 0.0653906    total: 16.3s  remaining: 23.2s
413: learn: 0.0653590    total: 16.4s  remaining: 23.2s
414: learn: 0.0652174    total: 16.5s  remaining: 23.2s
415: learn: 0.0650660    total: 16.5s  remaining: 23.2s
416: learn: 0.0650291    total: 16.5s  remaining: 23.1s
417: learn: 0.0648854    total: 16.6s  remaining: 23.1s
418: learn: 0.0647965    total: 16.6s  remaining: 23.1s
419: learn: 0.0647298    total: 16.7s  remaining: 23s
420: learn: 0.0646565    total: 16.7s  remaining: 22.9s
421: learn: 0.0645796    total: 16.7s  remaining: 22.9s
422: learn: 0.0644526    total: 16.7s  remaining: 22.8s
423: learn: 0.0643213    total: 16.8s  remaining: 22.8s
424: learn: 0.0642591    total: 16.8s  remaining: 22.8s
425: learn: 0.0641487    total: 16.8s  remaining: 22.7s
426: learn: 0.0641036    total: 16.9s  remaining: 22.6s
427: learn: 0.0639620    total: 16.9s  remaining: 22.6s
428: learn: 0.0638495    total: 16.9s  remaining: 22.5s
429: learn: 0.0637738    total: 17s    remaining: 22.5s
430: learn: 0.0637393    total: 17s    remaining: 22.4s
431: learn: 0.0636859    total: 17s    remaining: 22.4s
432: learn: 0.0635376    total: 17.1s  remaining: 22.3s
433: learn: 0.0633985    total: 17.1s  remaining: 22.3s
434: learn: 0.0633415    total: 17.1s  remaining: 22.2s
435: learn: 0.0632353    total: 17.2s  remaining: 22.2s
436: learn: 0.0631345    total: 17.2s  remaining: 22.2s
437: learn: 0.0630019    total: 17.3s  remaining: 22.1s
438: learn: 0.0629235    total: 17.3s  remaining: 22.1s
439: learn: 0.0628592    total: 17.3s  remaining: 22s
440: learn: 0.0627795    total: 17.3s  remaining: 21.9s
441: learn: 0.0626187    total: 17.4s  remaining: 22s
442: learn: 0.0625069    total: 17.4s  remaining: 21.9s
443: learn: 0.0624308    total: 17.5s  remaining: 21.9s
444: learn: 0.0623398    total: 17.5s  remaining: 21.8s
445: learn: 0.0622586    total: 17.5s  remaining: 21.8s
446: learn: 0.0621362    total: 17.6s  remaining: 21.8s
447: learn: 0.0619541    total: 17.7s  remaining: 21.8s
448: learn: 0.0617983    total: 17.7s  remaining: 21.8s
449: learn: 0.0617431    total: 17.8s  remaining: 21.7s
450: learn: 0.0616192    total: 17.8s  remaining: 21.7s
451: learn: 0.0615301    total: 17.9s  remaining: 21.7s
452: learn: 0.0614719    total: 17.9s  remaining: 21.6s
453: learn: 0.0614093    total: 18s    remaining: 21.6s
454: learn: 0.0613726    total: 18s    remaining: 21.6s
455: learn: 0.0613207    total: 18.1s  remaining: 21.5s
456: learn: 0.0612374    total: 18.1s  remaining: 21.5s

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457: learn: 0.0611788      total: 18.1s  remaining: 21.4s
458: learn: 0.0611602      total: 18.2s  remaining: 21.4s
459: learn: 0.0611017      total: 18.2s  remaining: 21.4s
460: learn: 0.0610221      total: 18.3s  remaining: 21.4s
461: learn: 0.0608940      total: 18.4s  remaining: 21.4s
462: learn: 0.0608272      total: 18.4s  remaining: 21.4s
463: learn: 0.0607692      total: 18.4s  remaining: 21.3s
464: learn: 0.0607081      total: 18.5s  remaining: 21.3s
465: learn: 0.0605966      total: 18.5s  remaining: 21.2s
466: learn: 0.0604888      total: 18.6s  remaining: 21.2s
467: learn: 0.0603925      total: 18.6s  remaining: 21.2s
468: learn: 0.0602782      total: 18.6s  remaining: 21.1s
469: learn: 0.0602162      total: 18.7s  remaining: 21.1s
470: learn: 0.0600825      total: 18.7s  remaining: 21.1s
471: learn: 0.0599620      total: 18.8s  remaining: 21s
472: learn: 0.0599195      total: 18.8s  remaining: 20.9s
473: learn: 0.0598384      total: 18.8s  remaining: 20.9s
474: learn: 0.0597796      total: 18.9s  remaining: 20.8s
475: learn: 0.0597306      total: 18.9s  remaining: 20.8s
476: learn: 0.0595902      total: 19s    remaining: 20.8s
477: learn: 0.0594591      total: 19s    remaining: 20.7s
478: learn: 0.0594229      total: 19.1s  remaining: 20.8s
479: learn: 0.0593057      total: 19.1s  remaining: 20.7s
325: learn: 0.0721902      total: 13.6s  remaining: 28s
326: learn: 0.0720538      total: 13.6s  remaining: 27.9s
327: learn: 0.0719809      total: 13.6s  remaining: 27.9s
328: learn: 0.0719115      total: 13.7s  remaining: 27.9s
329: learn: 0.0718693      total: 13.7s  remaining: 27.8s
330: learn: 0.0717872      total: 13.7s  remaining: 27.7s
331: learn: 0.0715754      total: 13.8s  remaining: 27.7s
332: learn: 0.0714780      total: 13.8s  remaining: 27.6s
333: learn: 0.0713251      total: 13.8s  remaining: 27.6s
334: learn: 0.0711756      total: 13.9s  remaining: 27.5s
335: learn: 0.0711003      total: 13.9s  remaining: 27.5s
336: learn: 0.0709624      total: 13.9s  remaining: 27.4s
337: learn: 0.0708339      total: 14s    remaining: 27.3s
338: learn: 0.0707371      total: 14s    remaining: 27.3s
339: learn: 0.0706670      total: 14s    remaining: 27.2s
340: learn: 0.0705602      total: 14.1s  remaining: 27.2s
341: learn: 0.0705371      total: 14.1s  remaining: 27.1s
342: learn: 0.0704754      total: 14.1s  remaining: 27s
343: learn: 0.0703253      total: 14.1s  remaining: 26.9s
344: learn: 0.0702090      total: 14.1s  remaining: 26.8s
345: learn: 0.0699688      total: 14.2s  remaining: 26.7s
346: learn: 0.0698186      total: 14.2s  remaining: 26.7s
347: learn: 0.0698070      total: 14.2s  remaining: 26.6s
348: learn: 0.0697234      total: 14.2s  remaining: 26.6s
349: learn: 0.0695779      total: 14.3s  remaining: 26.5s
350: learn: 0.0694243      total: 14.3s  remaining: 26.4s
351: learn: 0.0692307      total: 14.3s  remaining: 26.3s
352: learn: 0.0692084      total: 14.3s  remaining: 26.3s
353: learn: 0.0691753      total: 14.4s  remaining: 26.3s
354: learn: 0.0690736      total: 14.4s  remaining: 26.2s
355: learn: 0.0689022      total: 14.4s  remaining: 26.1s
356: learn: 0.0688845      total: 14.5s  remaining: 26.1s
357: learn: 0.0688422      total: 14.5s  remaining: 26s
358: learn: 0.0687256      total: 14.5s  remaining: 25.9s
359: learn: 0.0686277      total: 14.6s  remaining: 25.9s
360: learn: 0.0684974      total: 14.6s  remaining: 25.8s
361: learn: 0.0684030      total: 14.7s  remaining: 25.9s
362: learn: 0.0683099      total: 14.8s  remaining: 25.9s
363: learn: 0.0681695      total: 14.8s  remaining: 25.9s
364: learn: 0.0679767      total: 14.8s  remaining: 25.8s
365: learn: 0.0677918      total: 14.9s  remaining: 25.7s

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366: learn: 0.0677772    total: 14.9s  remaining: 25.7s
367: learn: 0.0676673    total: 14.9s  remaining: 25.6s
368: learn: 0.0675982    total: 15s     remaining: 25.7s
369: learn: 0.0674657    total: 15.1s   remaining: 25.6s
370: learn: 0.0672526    total: 15.1s   remaining: 25.6s
371: learn: 0.0671757    total: 15.1s   remaining: 25.5s
372: learn: 0.0670096    total: 15.1s   remaining: 25.4s
373: learn: 0.0668323    total: 15.1s   remaining: 25.4s
374: learn: 0.0667455    total: 15.2s   remaining: 25.3s
375: learn: 0.0666279    total: 15.2s   remaining: 25.2s
376: learn: 0.0664826    total: 15.2s   remaining: 25.1s
377: learn: 0.0664712    total: 15.2s   remaining: 25s
378: learn: 0.0663307    total: 15.3s   remaining: 25s
379: learn: 0.0661928    total: 15.3s   remaining: 25s
380: learn: 0.0660505    total: 15.3s   remaining: 24.9s
381: learn: 0.0659135    total: 15.4s   remaining: 24.9s
382: learn: 0.0657613    total: 15.4s   remaining: 24.8s
383: learn: 0.0656295    total: 15.4s   remaining: 24.7s
384: learn: 0.0655355    total: 15.4s   remaining: 24.6s
385: learn: 0.0654248    total: 15.4s   remaining: 24.6s
386: learn: 0.0653130    total: 15.5s   remaining: 24.5s
387: learn: 0.0651578    total: 15.5s   remaining: 24.5s
388: learn: 0.0650797    total: 15.5s   remaining: 24.4s
389: learn: 0.0649323    total: 15.6s   remaining: 24.3s
390: learn: 0.0647725    total: 15.6s   remaining: 24.3s
391: learn: 0.0646752    total: 15.6s   remaining: 24.2s
392: learn: 0.0645597    total: 15.7s   remaining: 24.2s
393: learn: 0.0643706    total: 15.7s   remaining: 24.1s
394: learn: 0.0642645    total: 15.7s   remaining: 24s
395: learn: 0.0641943    total: 15.7s   remaining: 24s
396: learn: 0.0641214    total: 15.8s   remaining: 23.9s
397: learn: 0.0639952    total: 15.8s   remaining: 23.9s
398: learn: 0.0638799    total: 15.8s   remaining: 23.8s
399: learn: 0.0638134    total: 15.9s   remaining: 23.8s
400: learn: 0.0636776    total: 15.9s   remaining: 23.7s
401: learn: 0.0635199    total: 15.9s   remaining: 23.7s
402: learn: 0.0634420    total: 15.9s   remaining: 23.6s
403: learn: 0.0633221    total: 16s     remaining: 23.6s
404: learn: 0.0632452    total: 16s     remaining: 23.5s
405: learn: 0.0630585    total: 16s     remaining: 23.5s
406: learn: 0.0628889    total: 16.1s   remaining: 23.4s
407: learn: 0.0628347    total: 16.1s   remaining: 23.3s
408: learn: 0.0627275    total: 16.1s   remaining: 23.3s
409: learn: 0.0625892    total: 16.1s   remaining: 23.2s
410: learn: 0.0624186    total: 16.2s   remaining: 23.2s
411: learn: 0.0624030    total: 16.2s   remaining: 23.1s
412: learn: 0.0622428    total: 16.2s   remaining: 23s
413: learn: 0.0621404    total: 16.3s   remaining: 23s
414: learn: 0.0620249    total: 16.3s   remaining: 23s
415: learn: 0.0619843    total: 16.3s   remaining: 22.9s
416: learn: 0.0618235    total: 16.4s   remaining: 22.9s
417: learn: 0.0617157    total: 16.4s   remaining: 22.8s
418: learn: 0.0616335    total: 16.4s   remaining: 22.8s
419: learn: 0.0615219    total: 16.5s   remaining: 22.7s
420: learn: 0.0613717    total: 16.5s   remaining: 22.7s
421: learn: 0.0612989    total: 16.6s   remaining: 22.7s
422: learn: 0.0612327    total: 16.6s   remaining: 22.6s
423: learn: 0.0611213    total: 16.7s   remaining: 22.7s
424: learn: 0.0610289    total: 16.8s   remaining: 22.7s
425: learn: 0.0609773    total: 16.9s   remaining: 22.8s
426: learn: 0.0608833    total: 17s     remaining: 22.8s
427: learn: 0.0608737    total: 17s     remaining: 22.8s
428: learn: 0.0607768    total: 17s     remaining: 22.7s
429: learn: 0.0607283    total: 17.1s   remaining: 22.7s

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430: learn: 0.0606111    total: 17.1s  remaining: 22.6s
431: learn: 0.0606003    total: 17.2s  remaining: 22.6s
432: learn: 0.0604816    total: 17.2s  remaining: 22.5s
433: learn: 0.0603638    total: 17.2s  remaining: 22.5s
434: learn: 0.0602670    total: 17.3s  remaining: 22.4s
435: learn: 0.0601474    total: 17.3s  remaining: 22.4s
436: learn: 0.0600686    total: 17.3s  remaining: 22.3s
437: learn: 0.0599832    total: 17.4s  remaining: 22.3s
438: learn: 0.0598613    total: 17.4s  remaining: 22.3s
439: learn: 0.0598178    total: 17.5s  remaining: 22.3s
440: learn: 0.0597314    total: 17.5s  remaining: 22.2s
441: learn: 0.0596021    total: 17.6s  remaining: 22.2s
442: learn: 0.0595191    total: 17.6s  remaining: 22.2s
443: learn: 0.0594069    total: 17.7s  remaining: 22.2s
444: learn: 0.0592544    total: 17.7s  remaining: 22.1s
445: learn: 0.0591320    total: 17.8s  remaining: 22.1s
446: learn: 0.0590139    total: 17.8s  remaining: 22s
447: learn: 0.0589275    total: 17.9s  remaining: 22s
448: learn: 0.0588383    total: 17.9s  remaining: 22s
449: learn: 0.0587324    total: 18s   remaining: 22s
450: learn: 0.0586002    total: 18s   remaining: 21.9s
451: learn: 0.0585099    total: 18s   remaining: 21.9s
452: learn: 0.0584313    total: 18.1s  remaining: 21.8s
453: learn: 0.0583431    total: 18.2s  remaining: 21.9s
454: learn: 0.0582105    total: 18.2s  remaining: 21.8s
455: learn: 0.0581376    total: 18.3s  remaining: 21.8s
456: learn: 0.0580149    total: 18.3s  remaining: 21.7s
457: learn: 0.0579102    total: 18.3s  remaining: 21.6s
458: learn: 0.0578332    total: 18.3s  remaining: 21.6s
459: learn: 0.0577315    total: 18.3s  remaining: 21.5s
460: learn: 0.0577016    total: 18.3s  remaining: 21.4s
461: learn: 0.0575264    total: 18.3s  remaining: 21.3s
462: learn: 0.0574713    total: 18.4s  remaining: 21.3s
463: learn: 0.0573832    total: 18.4s  remaining: 21.2s
464: learn: 0.0572622    total: 18.4s  remaining: 21.2s
465: learn: 0.0571318    total: 18.4s  remaining: 21.1s
466: learn: 0.0569982    total: 18.4s  remaining: 21s
467: learn: 0.0568901    total: 18.5s  remaining: 21.1s
468: learn: 0.0568056    total: 18.6s  remaining: 21s
469: learn: 0.0567211    total: 18.6s  remaining: 21s
470: learn: 0.0566078    total: 18.7s  remaining: 21s
471: learn: 0.0565050    total: 18.7s  remaining: 20.9s
472: learn: 0.0563943    total: 18.7s  remaining: 20.9s
473: learn: 0.0563454    total: 18.8s  remaining: 20.9s
474: learn: 0.0562862    total: 18.8s  remaining: 20.8s
475: learn: 0.0562695    total: 18.9s  remaining: 20.8s
476: learn: 0.0561907    total: 18.9s  remaining: 20.8s
477: learn: 0.0561735    total: 19s   remaining: 20.7s
478: learn: 0.0561027    total: 19s   remaining: 20.7s
479: learn: 0.0560741    total: 19s   remaining: 20.6s
480: learn: 0.0560060    total: 19.1s  remaining: 20.6s
481: learn: 0.0559072    total: 19.1s  remaining: 20.5s
482: learn: 0.0558118    total: 19.1s  remaining: 20.5s
481: learn: 0.0514989    total: 16.4s  remaining: 17.6s
482: learn: 0.0513818    total: 16.4s  remaining: 17.6s
483: learn: 0.0513721    total: 16.4s  remaining: 17.5s
484: learn: 0.0512909    total: 16.5s  remaining: 17.5s
485: learn: 0.0511968    total: 16.5s  remaining: 17.4s
486: learn: 0.0511260    total: 16.5s  remaining: 17.4s
487: learn: 0.0510626    total: 16.5s  remaining: 17.4s
488: learn: 0.0509547    total: 16.6s  remaining: 17.3s
489: learn: 0.0508484    total: 16.6s  remaining: 17.3s
490: learn: 0.0507726    total: 16.6s  remaining: 17.2s
491: learn: 0.0506735    total: 16.6s  remaining: 17.2s

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492: learn: 0.0505940    total: 16.7s  remaining: 17.1s
493: learn: 0.0505097    total: 16.7s  remaining: 17.1s
494: learn: 0.0504382    total: 16.7s  remaining: 17s
495: learn: 0.0503666    total: 16.7s  remaining: 17s
496: learn: 0.0502971    total: 16.7s  remaining: 16.9s
497: learn: 0.0501481    total: 16.8s  remaining: 16.9s
498: learn: 0.0500711    total: 16.8s  remaining: 16.9s
499: learn: 0.0499963    total: 16.9s  remaining: 16.9s
500: learn: 0.0498848    total: 16.9s  remaining: 16.8s
501: learn: 0.0498187    total: 16.9s  remaining: 16.8s
502: learn: 0.0497037    total: 17s   remaining: 16.8s
503: learn: 0.0496622    total: 17s   remaining: 16.8s
504: learn: 0.0495826    total: 17s   remaining: 16.7s
505: learn: 0.0495050    total: 17.1s  remaining: 16.7s
506: learn: 0.0494490    total: 17.2s  remaining: 16.7s
507: learn: 0.0493832    total: 17.2s  remaining: 16.7s
508: learn: 0.0493190    total: 17.3s  remaining: 16.7s
509: learn: 0.0492230    total: 17.3s  remaining: 16.6s
510: learn: 0.0491859    total: 17.3s  remaining: 16.6s
511: learn: 0.0491764    total: 17.3s  remaining: 16.5s
512: learn: 0.0491075    total: 17.4s  remaining: 16.5s
513: learn: 0.0490275    total: 17.4s  remaining: 16.5s
514: learn: 0.0489395    total: 17.5s  remaining: 16.5s
515: learn: 0.0488009    total: 17.6s  remaining: 16.5s
516: learn: 0.0487202    total: 17.6s  remaining: 16.4s
517: learn: 0.0486412    total: 17.6s  remaining: 16.4s
518: learn: 0.0485335    total: 17.6s  remaining: 16.3s
519: learn: 0.0484450    total: 17.6s  remaining: 16.3s
520: learn: 0.0483829    total: 17.7s  remaining: 16.3s
521: learn: 0.0482861    total: 17.7s  remaining: 16.2s
522: learn: 0.0482037    total: 17.8s  remaining: 16.2s
523: learn: 0.0481106    total: 17.8s  remaining: 16.2s
524: learn: 0.0480309    total: 17.9s  remaining: 16.2s
525: learn: 0.0479479    total: 17.9s  remaining: 16.1s
526: learn: 0.0478491    total: 18s   remaining: 16.1s
527: learn: 0.0477771    total: 18s   remaining: 16.1s
528: learn: 0.0476818    total: 18.1s  remaining: 16.2s
529: learn: 0.0476100    total: 18.2s  remaining: 16.1s
530: learn: 0.0475052    total: 18.2s  remaining: 16.1s
531: learn: 0.0473705    total: 18.3s  remaining: 16.1s
532: learn: 0.0473445    total: 18.3s  remaining: 16.1s
533: learn: 0.0472592    total: 18.4s  remaining: 16s
534: learn: 0.0471960    total: 18.4s  remaining: 16s
535: learn: 0.0470989    total: 18.4s  remaining: 16s
536: learn: 0.0470407    total: 18.4s  remaining: 15.9s
537: learn: 0.0469977    total: 18.5s  remaining: 15.8s
538: learn: 0.0468895    total: 18.5s  remaining: 15.8s
539: learn: 0.0467905    total: 18.5s  remaining: 15.7s
540: learn: 0.0467332    total: 18.5s  remaining: 15.7s
541: learn: 0.0466421    total: 18.5s  remaining: 15.7s
542: learn: 0.0465775    total: 18.5s  remaining: 15.6s
543: learn: 0.0465018    total: 18.5s  remaining: 15.5s
544: learn: 0.0464397    total: 18.5s  remaining: 15.5s
545: learn: 0.0463637    total: 18.6s  remaining: 15.5s
546: learn: 0.0462694    total: 18.6s  remaining: 15.4s
547: learn: 0.0462007    total: 18.6s  remaining: 15.4s
548: learn: 0.0460742    total: 18.7s  remaining: 15.3s
549: learn: 0.0460385    total: 18.7s  remaining: 15.3s
550: learn: 0.0459587    total: 18.7s  remaining: 15.2s
551: learn: 0.0458823    total: 18.7s  remaining: 15.2s
552: learn: 0.0457990    total: 18.8s  remaining: 15.2s
553: learn: 0.0457808    total: 18.8s  remaining: 15.1s
554: learn: 0.0457229    total: 18.8s  remaining: 15.1s
555: learn: 0.0456526    total: 18.9s  remaining: 15.1s

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556: learn: 0.0455625    total: 19s      remaining: 15.1s
557: learn: 0.0455017    total: 19.1s     remaining: 15.1s
558: learn: 0.0454342    total: 19.1s     remaining: 15.1s
559: learn: 0.0453807    total: 19.1s     remaining: 15s
560: learn: 0.0453191    total: 19.2s     remaining: 15s
561: learn: 0.0452253    total: 19.2s     remaining: 15s
562: learn: 0.0451454    total: 19.3s     remaining: 15s
563: learn: 0.0450865    total: 19.3s     remaining: 14.9s
564: learn: 0.0450061    total: 19.3s     remaining: 14.9s
565: learn: 0.0449140    total: 19.5s     remaining: 14.9s
566: learn: 0.0448417    total: 19.6s     remaining: 14.9s
567: learn: 0.0447597    total: 19.6s     remaining: 14.9s
568: learn: 0.0446748    total: 19.7s     remaining: 14.9s
569: learn: 0.0445642    total: 19.7s     remaining: 14.9s
570: learn: 0.0444912    total: 19.8s     remaining: 14.8s
571: learn: 0.0444563    total: 19.8s     remaining: 14.9s
572: learn: 0.0443504    total: 19.9s     remaining: 14.9s
573: learn: 0.0443412    total: 20s       remaining: 14.9s
574: learn: 0.0443045    total: 20.1s     remaining: 14.8s
575: learn: 0.0442288    total: 20.1s     remaining: 14.8s
576: learn: 0.0441730    total: 20.1s     remaining: 14.8s
577: learn: 0.0441669    total: 20.2s     remaining: 14.7s
578: learn: 0.0440630    total: 20.3s     remaining: 14.7s
579: learn: 0.0440087    total: 20.3s     remaining: 14.7s
580: learn: 0.0439612    total: 20.4s     remaining: 14.7s
581: learn: 0.0439307    total: 20.4s     remaining: 14.6s
582: learn: 0.0438295    total: 20.4s     remaining: 14.6s
583: learn: 0.0438212    total: 20.4s     remaining: 14.5s
584: learn: 0.0437310    total: 20.5s     remaining: 14.5s
585: learn: 0.0436461    total: 20.5s     remaining: 14.5s
586: learn: 0.0435544    total: 20.5s     remaining: 14.5s
587: learn: 0.0435027    total: 20.6s     remaining: 14.4s
588: learn: 0.0434348    total: 20.6s     remaining: 14.4s
589: learn: 0.0433320    total: 20.7s     remaining: 14.4s
590: learn: 0.0432798    total: 20.7s     remaining: 14.3s
591: learn: 0.0432137    total: 20.8s     remaining: 14.3s
592: learn: 0.0431652    total: 20.8s     remaining: 14.3s
593: learn: 0.0430734    total: 20.9s     remaining: 14.3s
594: learn: 0.0430110    total: 20.9s     remaining: 14.2s
595: learn: 0.0429398    total: 20.9s     remaining: 14.2s
596: learn: 0.0428848    total: 20.9s     remaining: 14.1s
597: learn: 0.0427974    total: 21s       remaining: 14.1s
598: learn: 0.0427137    total: 21s       remaining: 14.1s
599: learn: 0.0426629    total: 21.1s     remaining: 14s
600: learn: 0.0426215    total: 21.1s     remaining: 14s
601: learn: 0.0425422    total: 21.1s     remaining: 14s
602: learn: 0.0424581    total: 21.1s     remaining: 13.9s
603: learn: 0.0423993    total: 21.2s     remaining: 13.9s
604: learn: 0.0423726    total: 21.2s     remaining: 13.8s
605: learn: 0.0422842    total: 21.2s     remaining: 13.8s
606: learn: 0.0421860    total: 21.3s     remaining: 13.8s
607: learn: 0.0421048    total: 21.4s     remaining: 13.8s
608: learn: 0.0420788    total: 21.4s     remaining: 13.7s
609: learn: 0.0420231    total: 21.4s     remaining: 13.7s
610: learn: 0.0419298    total: 21.5s     remaining: 13.7s
611: learn: 0.0418483    total: 21.5s     remaining: 13.6s
612: learn: 0.0417673    total: 21.5s     remaining: 13.6s
613: learn: 0.0417297    total: 21.6s     remaining: 13.6s
614: learn: 0.0416569    total: 21.6s     remaining: 13.5s
615: learn: 0.0416109    total: 21.6s     remaining: 13.5s
616: learn: 0.0415566    total: 21.7s     remaining: 13.4s
617: learn: 0.0415321    total: 21.7s     remaining: 13.4s
618: learn: 0.0414784    total: 21.7s     remaining: 13.4s
619: learn: 0.0414532    total: 21.7s     remaining: 13.3s

```

```
620: learn: 0.0413974      total: 21.8s  remaining: 13.3s
621: learn: 0.0413199      total: 21.9s  remaining: 13.3s
622: learn: 0.0412824      total: 21.9s  remaining: 13.2s
623: learn: 0.0412406      total: 21.9s  remaining: 13.2s
624: learn: 0.0412110      total: 22s    remaining: 13.2s
625: learn: 0.0411579      total: 22s    remaining: 13.2s
626: learn: 0.0410781      total: 22.2s  remaining: 13.2s
627: learn: 0.0410359      total: 22.2s  remaining: 13.1s
628: learn: 0.0409529      total: 22.2s  remaining: 13.1s
629: learn: 0.0409163      total: 22.3s  remaining: 13.1s
630: learn: 0.0408367      total: 22.4s  remaining: 13.1s
631: learn: 0.0407713      total: 22.4s  remaining: 13s
632: learn: 0.0406738      total: 22.4s  remaining: 13s
633: learn: 0.0406056      total: 22.4s  remaining: 12.9s
634: learn: 0.0405142      total: 22.4s  remaining: 12.9s
635: learn: 0.0404524      total: 22.5s  remaining: 12.9s
636: learn: 0.0404458      total: 22.5s  remaining: 12.8s
637: learn: 0.0404088      total: 22.5s  remaining: 12.8s
638: learn: 0.0403417      total: 22.6s  remaining: 12.8s
```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.  
  warnings.warn(
```

```

267: learn: 0.0838693    total: 12.1s  remaining: 33.1s
268: learn: 0.0837655    total: 12.1s  remaining: 33s
269: learn: 0.0835472    total: 12.2s  remaining: 32.9s
270: learn: 0.0833421    total: 12.2s  remaining: 32.8s
271: learn: 0.0831639    total: 12.2s  remaining: 32.8s
272: learn: 0.0830640    total: 12.3s  remaining: 32.8s
273: learn: 0.0830079    total: 12.4s  remaining: 32.7s
274: learn: 0.0828969    total: 12.4s  remaining: 32.7s
275: learn: 0.0828564    total: 12.4s  remaining: 32.6s
276: learn: 0.0826690    total: 12.4s  remaining: 32.5s
277: learn: 0.0824380    total: 12.5s  remaining: 32.5s
278: learn: 0.0823451    total: 12.5s  remaining: 32.4s
279: learn: 0.0821181    total: 12.6s  remaining: 32.3s
280: learn: 0.0819996    total: 12.6s  remaining: 32.2s
281: learn: 0.0819344    total: 12.6s  remaining: 32.2s
282: learn: 0.0818665    total: 12.7s  remaining: 32.1s
283: learn: 0.0817938    total: 12.7s  remaining: 32s
284: learn: 0.0817411    total: 12.8s  remaining: 32.2s
285: learn: 0.0815716    total: 12.8s  remaining: 32s
286: learn: 0.0814171    total: 12.9s  remaining: 32s
287: learn: 0.0812570    total: 12.9s  remaining: 31.8s
288: learn: 0.0810978    total: 12.9s  remaining: 31.8s
289: learn: 0.0810232    total: 12.9s  remaining: 31.7s
290: learn: 0.0809710    total: 13s   remaining: 31.7s
291: learn: 0.0807611    total: 13.1s  remaining: 31.7s
292: learn: 0.0806525    total: 13.1s  remaining: 31.6s
293: learn: 0.0805018    total: 13.1s  remaining: 31.5s
294: learn: 0.0803056    total: 13.2s  remaining: 31.5s
295: learn: 0.0801326    total: 13.2s  remaining: 31.5s
296: learn: 0.0800233    total: 13.3s  remaining: 31.4s
297: learn: 0.0798098    total: 13.3s  remaining: 31.2s
298: learn: 0.0797121    total: 13.3s  remaining: 31.3s
299: learn: 0.0795227    total: 13.4s  remaining: 31.2s
300: learn: 0.0792889    total: 13.4s  remaining: 31.1s
301: learn: 0.0791713    total: 13.5s  remaining: 31.1s
302: learn: 0.0789786    total: 13.6s  remaining: 31.2s
303: learn: 0.0788838    total: 13.6s  remaining: 31.2s
304: learn: 0.0787774    total: 13.6s  remaining: 31.1s
305: learn: 0.0786454    total: 13.7s  remaining: 31.1s
306: learn: 0.0784409    total: 13.8s  remaining: 31.1s
307: learn: 0.0783335    total: 13.8s  remaining: 31s
308: learn: 0.0782546    total: 13.8s  remaining: 30.9s
309: learn: 0.0780941    total: 13.9s  remaining: 30.9s
310: learn: 0.0779542    total: 13.9s  remaining: 30.8s
311: learn: 0.0778112    total: 13.9s  remaining: 30.7s
312: learn: 0.0777308    total: 13.9s  remaining: 30.6s
313: learn: 0.0776692    total: 14s   remaining: 30.6s
314: learn: 0.0775768    total: 14.1s  remaining: 30.6s
315: learn: 0.0774682    total: 14.1s  remaining: 30.6s
316: learn: 0.0773661    total: 14.2s  remaining: 30.5s
317: learn: 0.0772754    total: 14.2s  remaining: 30.5s
318: learn: 0.0771088    total: 14.3s  remaining: 30.5s
319: learn: 0.0770571    total: 14.4s  remaining: 30.5s
320: learn: 0.0769847    total: 14.4s  remaining: 30.4s
321: learn: 0.0768796    total: 14.4s  remaining: 30.4s
322: learn: 0.0768166    total: 14.4s  remaining: 30.3s
323: learn: 0.0766984    total: 14.6s  remaining: 30.6s
324: learn: 0.0766778    total: 14.7s  remaining: 30.6s
325: learn: 0.0766343    total: 14.9s  remaining: 30.8s
326: learn: 0.0764990    total: 14.9s  remaining: 30.7s
327: learn: 0.0764416    total: 15s   remaining: 30.7s
328: learn: 0.0761907    total: 15s   remaining: 30.7s
329: learn: 0.0760978    total: 15.1s  remaining: 30.6s
330: learn: 0.0760289    total: 15.1s  remaining: 30.6s

```

```

331: learn: 0.0759194      total: 15.2s  remaining: 30.5s
332: learn: 0.0758511      total: 15.2s  remaining: 30.4s
333: learn: 0.0756693      total: 15.2s  remaining: 30.3s
334: learn: 0.0755763      total: 15.2s  remaining: 30.2s
335: learn: 0.0754176      total: 15.3s  remaining: 30.2s
336: learn: 0.0753098      total: 15.3s  remaining: 30.1s
337: learn: 0.0752099      total: 15.3s  remaining: 29.9s
338: learn: 0.0751435      total: 15.3s  remaining: 29.9s
339: learn: 0.0750737      total: 15.4s  remaining: 29.8s
340: learn: 0.0748977      total: 15.4s  remaining: 29.8s
341: learn: 0.0747074      total: 15.4s  remaining: 29.7s
342: learn: 0.0745663      total: 15.4s  remaining: 29.6s
343: learn: 0.0745182      total: 15.5s  remaining: 29.5s
344: learn: 0.0743521      total: 15.5s  remaining: 29.4s
345: learn: 0.0742776      total: 15.6s  remaining: 29.5s
346: learn: 0.0741977      total: 15.7s  remaining: 29.5s
347: learn: 0.0741816      total: 15.7s  remaining: 29.4s
348: learn: 0.0739932      total: 15.7s  remaining: 29.3s
349: learn: 0.0739703      total: 15.7s  remaining: 29.2s
350: learn: 0.0738536      total: 15.8s  remaining: 29.2s
351: learn: 0.0738396      total: 15.8s  remaining: 29.1s
352: learn: 0.0737324      total: 15.8s  remaining: 28.9s
353: learn: 0.0737155      total: 15.9s  remaining: 28.9s
354: learn: 0.0735936      total: 15.9s  remaining: 28.8s
355: learn: 0.0734701      total: 15.9s  remaining: 28.8s
356: learn: 0.0734061      total: 16s    remaining: 28.9s
357: learn: 0.0732494      total: 16.1s  remaining: 28.9s
358: learn: 0.0731048      total: 16.1s  remaining: 28.8s
359: learn: 0.0730917      total: 16.2s  remaining: 28.8s
360: learn: 0.0729152      total: 16.3s  remaining: 28.8s
361: learn: 0.0727428      total: 16.3s  remaining: 28.7s
362: learn: 0.0725366      total: 16.3s  remaining: 28.6s
363: learn: 0.0725232      total: 16.4s  remaining: 28.6s
364: learn: 0.0725101      total: 16.4s  remaining: 28.5s
365: learn: 0.0724293      total: 16.4s  remaining: 28.4s
366: learn: 0.0724164      total: 16.5s  remaining: 28.5s
367: learn: 0.0723964      total: 16.5s  remaining: 28.4s
368: learn: 0.0723643      total: 16.6s  remaining: 28.3s
369: learn: 0.0722476      total: 16.6s  remaining: 28.3s
370: learn: 0.0721389      total: 16.7s  remaining: 28.3s
371: learn: 0.0720382      total: 16.7s  remaining: 28.2s
372: learn: 0.0720262      total: 16.7s  remaining: 28.1s
373: learn: 0.0720116      total: 16.7s  remaining: 28s
374: learn: 0.0719977      total: 16.8s  remaining: 27.9s
375: learn: 0.0719142      total: 16.8s  remaining: 28s
376: learn: 0.0718228      total: 16.9s  remaining: 27.9s
377: learn: 0.0716791      total: 16.9s  remaining: 27.8s
378: learn: 0.0715757      total: 16.9s  remaining: 27.8s
379: learn: 0.0715640      total: 17s    remaining: 27.7s
380: learn: 0.0715509      total: 17s    remaining: 27.6s
381: learn: 0.0714790      total: 17s    remaining: 27.5s
382: learn: 0.0712629      total: 17s    remaining: 27.5s
383: learn: 0.0712461      total: 17.1s  remaining: 27.4s
384: learn: 0.0712340      total: 17.1s  remaining: 27.3s
385: learn: 0.0711199      total: 17.1s  remaining: 27.2s
386: learn: 0.0711081      total: 17.2s  remaining: 27.2s
387: learn: 0.0710945      total: 17.2s  remaining: 27.1s
388: learn: 0.0709684      total: 17.2s  remaining: 27s
389: learn: 0.0709306      total: 17.2s  remaining: 26.9s
390: learn: 0.0707894      total: 17.3s  remaining: 26.9s
391: learn: 0.0706853      total: 17.3s  remaining: 26.8s
392: learn: 0.0706031      total: 17.3s  remaining: 26.8s
393: learn: 0.0704348      total: 17.4s  remaining: 26.7s
394: learn: 0.0703022      total: 17.4s  remaining: 26.7s

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395: learn: 0.0702912      total: 17.6s  remaining: 26.8s
396: learn: 0.0702506      total: 17.6s  remaining: 26.8s
397: learn: 0.0702399      total: 17.7s  remaining: 26.7s
398: learn: 0.0702296      total: 17.7s  remaining: 26.7s
399: learn: 0.0701014      total: 17.8s  remaining: 26.7s
400: learn: 0.0700182      total: 17.8s  remaining: 26.6s
401: learn: 0.0698442      total: 17.9s  remaining: 26.6s
402: learn: 0.0697739      total: 17.9s  remaining: 26.5s
403: learn: 0.0697024      total: 17.9s  remaining: 26.4s
404: learn: 0.0696936      total: 18s    remaining: 26.4s
405: learn: 0.0695496      total: 18s    remaining: 26.3s
406: learn: 0.0694512      total: 18.1s  remaining: 26.3s
407: learn: 0.0693497      total: 18.1s  remaining: 26.2s
408: learn: 0.0693406      total: 18.3s  remaining: 26.4s
409: learn: 0.0691875      total: 18.3s  remaining: 26.3s
410: learn: 0.0691016      total: 18.4s  remaining: 26.3s
411: learn: 0.0690007      total: 18.4s  remaining: 26.3s
412: learn: 0.0688669      total: 18.4s  remaining: 26.2s
413: learn: 0.0688504      total: 18.5s  remaining: 26.2s
414: learn: 0.0687440      total: 18.5s  remaining: 26.1s
415: learn: 0.0685763      total: 18.5s  remaining: 26s
416: learn: 0.0684559      total: 18.6s  remaining: 26s
417: learn: 0.0683148      total: 18.6s  remaining: 25.9s
418: learn: 0.0682001      total: 18.6s  remaining: 25.8s
419: learn: 0.0680785      total: 18.7s  remaining: 25.8s
420: learn: 0.0679755      total: 18.7s  remaining: 25.7s
421: learn: 0.0678071      total: 18.7s  remaining: 25.6s
422: learn: 0.0676822      total: 18.8s  remaining: 25.6s
423: learn: 0.0675928      total: 18.8s  remaining: 25.5s
424: learn: 0.0674722      total: 18.8s  remaining: 25.4s
484: learn: 0.0540693      total: 18.5s  remaining: 19.6s
485: learn: 0.0540096      total: 18.6s  remaining: 19.6s
486: learn: 0.0539163      total: 18.6s  remaining: 19.6s
487: learn: 0.0538510      total: 18.6s  remaining: 19.6s
488: learn: 0.0537553      total: 18.7s  remaining: 19.5s
489: learn: 0.0536408      total: 18.7s  remaining: 19.5s
490: learn: 0.0535700      total: 18.8s  remaining: 19.4s
491: learn: 0.0535016      total: 18.8s  remaining: 19.4s
492: learn: 0.0534073      total: 18.8s  remaining: 19.4s
493: learn: 0.0532911      total: 18.9s  remaining: 19.4s
494: learn: 0.0532088      total: 19s    remaining: 19.3s
495: learn: 0.0530461      total: 19s    remaining: 19.3s
496: learn: 0.0529274      total: 19.1s  remaining: 19.3s
497: learn: 0.0528514      total: 19.1s  remaining: 19.3s
498: learn: 0.0528403      total: 19.2s  remaining: 19.2s
499: learn: 0.0527339      total: 19.2s  remaining: 19.2s
500: learn: 0.0526524      total: 19.2s  remaining: 19.1s
501: learn: 0.0525326      total: 19.2s  remaining: 19.1s
502: learn: 0.0524876      total: 19.3s  remaining: 19.1s
503: learn: 0.0523924      total: 19.3s  remaining: 19s
504: learn: 0.0522920      total: 19.4s  remaining: 19s
505: learn: 0.0521906      total: 19.4s  remaining: 18.9s
506: learn: 0.0520958      total: 19.5s  remaining: 18.9s
507: learn: 0.0519733      total: 19.5s  remaining: 18.9s
508: learn: 0.0518128      total: 19.5s  remaining: 18.8s
509: learn: 0.0517202      total: 19.6s  remaining: 18.8s
510: learn: 0.0516783      total: 19.7s  remaining: 18.8s
511: learn: 0.0515957      total: 19.7s  remaining: 18.8s
512: learn: 0.0514885      total: 19.7s  remaining: 18.7s
513: learn: 0.0514103      total: 19.7s  remaining: 18.7s
514: learn: 0.0512850      total: 19.8s  remaining: 18.6s
515: learn: 0.0512325      total: 19.8s  remaining: 18.6s
516: learn: 0.0511408      total: 19.8s  remaining: 18.5s
517: learn: 0.0510771      total: 19.8s  remaining: 18.5s

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518: learn: 0.0509765      total: 19.9s  remaining: 18.4s
519: learn: 0.0508836      total: 19.9s  remaining: 18.4s
520: learn: 0.0508110      total: 20s    remaining: 18.4s
521: learn: 0.0507276      total: 20.1s  remaining: 18.4s
522: learn: 0.0506192      total: 20.1s  remaining: 18.4s
523: learn: 0.0505459      total: 20.2s  remaining: 18.3s
524: learn: 0.0504578      total: 20.2s  remaining: 18.3s
525: learn: 0.0503325      total: 20.2s  remaining: 18.2s
526: learn: 0.0502984      total: 20.2s  remaining: 18.1s
527: learn: 0.0502325      total: 20.2s  remaining: 18.1s
528: learn: 0.0501769      total: 20.3s  remaining: 18.1s
529: learn: 0.0500905      total: 20.3s  remaining: 18s
530: learn: 0.0500833      total: 20.3s  remaining: 18s
531: learn: 0.0500793      total: 20.4s  remaining: 17.9s
532: learn: 0.0500147      total: 20.4s  remaining: 17.9s
533: learn: 0.0499892      total: 20.5s  remaining: 17.9s
534: learn: 0.0499475      total: 20.5s  remaining: 17.8s
535: learn: 0.0498555      total: 20.5s  remaining: 17.8s
536: learn: 0.0497604      total: 20.5s  remaining: 17.7s
537: learn: 0.0496714      total: 20.6s  remaining: 17.7s
538: learn: 0.0496188      total: 20.7s  remaining: 17.7s
539: learn: 0.0495647      total: 20.7s  remaining: 17.6s
540: learn: 0.0494057      total: 20.7s  remaining: 17.6s
541: learn: 0.0493192      total: 20.7s  remaining: 17.5s
542: learn: 0.0491886      total: 20.8s  remaining: 17.5s
543: learn: 0.0491074      total: 20.8s  remaining: 17.4s
544: learn: 0.0490409      total: 20.8s  remaining: 17.4s
545: learn: 0.0489556      total: 20.9s  remaining: 17.4s
546: learn: 0.0488739      total: 20.9s  remaining: 17.3s
547: learn: 0.0487958      total: 20.9s  remaining: 17.3s
548: learn: 0.0486888      total: 21s    remaining: 17.2s
549: learn: 0.0485975      total: 21s    remaining: 17.2s
550: learn: 0.0485632      total: 21s    remaining: 17.2s
551: learn: 0.0485136      total: 21.1s  remaining: 17.1s
552: learn: 0.0484383      total: 21.1s  remaining: 17.1s
553: learn: 0.0483827      total: 21.2s  remaining: 17s
554: learn: 0.0482447      total: 21.2s  remaining: 17s
555: learn: 0.0481611      total: 21.2s  remaining: 16.9s
556: learn: 0.0480743      total: 21.2s  remaining: 16.9s
557: learn: 0.0480085      total: 21.2s  remaining: 16.8s
558: learn: 0.0479198      total: 21.3s  remaining: 16.8s
559: learn: 0.0478792      total: 21.3s  remaining: 16.7s
560: learn: 0.0478065      total: 21.3s  remaining: 16.7s
561: learn: 0.0477124      total: 21.3s  remaining: 16.6s
562: learn: 0.0477013      total: 21.4s  remaining: 16.6s
563: learn: 0.0476100      total: 21.4s  remaining: 16.6s
564: learn: 0.0475582      total: 21.5s  remaining: 16.5s
565: learn: 0.0474726      total: 21.5s  remaining: 16.5s
566: learn: 0.0474036      total: 21.6s  remaining: 16.5s
567: learn: 0.0473921      total: 21.6s  remaining: 16.4s
568: learn: 0.0472823      total: 21.6s  remaining: 16.4s
569: learn: 0.0472038      total: 21.7s  remaining: 16.3s
570: learn: 0.0471301      total: 21.7s  remaining: 16.3s
571: learn: 0.0470311      total: 21.8s  remaining: 16.3s
572: learn: 0.0469847      total: 21.8s  remaining: 16.2s
573: learn: 0.0469258      total: 21.8s  remaining: 16.2s
574: learn: 0.0468459      total: 21.9s  remaining: 16.2s
575: learn: 0.0467525      total: 22s    remaining: 16.2s
576: learn: 0.0466714      total: 22s    remaining: 16.1s
577: learn: 0.0465849      total: 22s    remaining: 16.1s
578: learn: 0.0465014      total: 22.1s  remaining: 16.1s
579: learn: 0.0464384      total: 22.1s  remaining: 16s
580: learn: 0.0463632      total: 22.1s  remaining: 16s
581: learn: 0.0462600      total: 22.2s  remaining: 15.9s

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582: learn: 0.0461676    total: 22.2s  remaining: 15.9s
583: learn: 0.0461615    total: 22.2s  remaining: 15.8s
584: learn: 0.0460792    total: 22.3s  remaining: 15.8s
585: learn: 0.0459950    total: 22.3s  remaining: 15.8s
586: learn: 0.0459021    total: 22.4s  remaining: 15.7s
587: learn: 0.0458490    total: 22.4s  remaining: 15.7s
588: learn: 0.0457756    total: 22.5s  remaining: 15.7s
589: learn: 0.0457264    total: 22.5s  remaining: 15.6s
590: learn: 0.0456583    total: 22.5s  remaining: 15.6s
591: learn: 0.0455818    total: 22.5s  remaining: 15.5s
592: learn: 0.0455126    total: 22.5s  remaining: 15.5s
593: learn: 0.0454354    total: 22.6s  remaining: 15.4s
594: learn: 0.0453690    total: 22.6s  remaining: 15.4s
595: learn: 0.0452709    total: 22.6s  remaining: 15.3s
596: learn: 0.0451857    total: 22.7s  remaining: 15.3s
597: learn: 0.0451208    total: 22.7s  remaining: 15.3s
598: learn: 0.0450278    total: 22.8s  remaining: 15.3s
599: learn: 0.0449803    total: 22.8s  remaining: 15.2s
600: learn: 0.0449712    total: 22.8s  remaining: 15.2s
601: learn: 0.0449200    total: 22.9s  remaining: 15.1s
602: learn: 0.0448206    total: 22.9s  remaining: 15.1s
603: learn: 0.0447202    total: 22.9s  remaining: 15s
604: learn: 0.0446358    total: 23s   remaining: 15s
605: learn: 0.0446100    total: 23s   remaining: 15s
606: learn: 0.0445160    total: 23.1s  remaining: 14.9s
607: learn: 0.0444504    total: 23.1s  remaining: 14.9s
608: learn: 0.0443798    total: 23.1s  remaining: 14.8s
609: learn: 0.0443442    total: 23.1s  remaining: 14.8s
610: learn: 0.0442998    total: 23.1s  remaining: 14.7s
611: learn: 0.0442279    total: 23.2s  remaining: 14.7s
612: learn: 0.0441658    total: 23.3s  remaining: 14.7s
613: learn: 0.0440797    total: 23.3s  remaining: 14.7s
614: learn: 0.0440295    total: 23.3s  remaining: 14.6s
615: learn: 0.0439549    total: 23.4s  remaining: 14.6s
616: learn: 0.0438851    total: 23.4s  remaining: 14.5s
617: learn: 0.0438443    total: 23.4s  remaining: 14.5s
618: learn: 0.0437717    total: 23.5s  remaining: 14.4s
619: learn: 0.0437167    total: 23.5s  remaining: 14.4s
620: learn: 0.0436225    total: 23.5s  remaining: 14.4s
621: learn: 0.0435893    total: 23.6s  remaining: 14.3s
622: learn: 0.0435171    total: 23.7s  remaining: 14.3s
623: learn: 0.0434304    total: 23.7s  remaining: 14.3s
624: learn: 0.0433586    total: 23.7s  remaining: 14.2s
625: learn: 0.0432822    total: 23.8s  remaining: 14.2s
626: learn: 0.0432531    total: 23.9s  remaining: 14.2s
627: learn: 0.0431769    total: 24s   remaining: 14.2s
628: learn: 0.0430561    total: 24s   remaining: 14.2s
629: learn: 0.0430048    total: 24.1s  remaining: 14.2s
630: learn: 0.0429617    total: 24.1s  remaining: 14.1s
631: learn: 0.0428891    total: 24.2s  remaining: 14.1s
632: learn: 0.0428395    total: 24.2s  remaining: 14s
633: learn: 0.0428121    total: 24.3s  remaining: 14s
634: learn: 0.0427185    total: 24.3s  remaining: 14s
635: learn: 0.0426534    total: 24.3s  remaining: 13.9s
636: learn: 0.0425771    total: 24.4s  remaining: 13.9s
637: learn: 0.0425298    total: 24.4s  remaining: 13.8s
638: learn: 0.0424290    total: 24.5s  remaining: 13.8s
639: learn: 0.0423710    total: 24.5s  remaining: 13.8s
640: learn: 0.0423438    total: 24.5s  remaining: 13.7s
641: learn: 0.0422541    total: 24.6s  remaining: 13.7s
480: learn: 0.0592778    total: 19.1s  remaining: 20.6s
481: learn: 0.0591758    total: 19.1s  remaining: 20.6s
482: learn: 0.0590980    total: 19.2s  remaining: 20.5s
483: learn: 0.0590701    total: 19.2s  remaining: 20.4s

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484: learn: 0.0589820    total: 19.2s  remaining: 20.4s
485: learn: 0.0588500    total: 19.2s  remaining: 20.3s
486: learn: 0.0587912    total: 19.2s  remaining: 20.2s
487: learn: 0.0586759    total: 19.2s  remaining: 20.2s
488: learn: 0.0585773    total: 19.3s  remaining: 20.2s
489: learn: 0.0584573    total: 19.3s  remaining: 20.1s
490: learn: 0.0583697    total: 19.4s  remaining: 20.1s
491: learn: 0.0583061    total: 19.4s  remaining: 20s
492: learn: 0.0581842    total: 19.5s  remaining: 20s
493: learn: 0.0581200    total: 19.5s  remaining: 20s
494: learn: 0.0580545    total: 19.6s  remaining: 20s
495: learn: 0.0579816    total: 19.6s  remaining: 19.9s
496: learn: 0.0578397    total: 19.6s  remaining: 19.8s
497: learn: 0.0577969    total: 19.6s  remaining: 19.8s
498: learn: 0.0577579    total: 19.6s  remaining: 19.7s
499: learn: 0.0576458    total: 19.6s  remaining: 19.6s
500: learn: 0.0575557    total: 19.6s  remaining: 19.6s
501: learn: 0.0575207    total: 19.7s  remaining: 19.5s
502: learn: 0.0573995    total: 19.7s  remaining: 19.5s
503: learn: 0.0572533    total: 19.8s  remaining: 19.4s
504: learn: 0.0571950    total: 19.8s  remaining: 19.4s
505: learn: 0.0571744    total: 19.8s  remaining: 19.3s
506: learn: 0.0570418    total: 19.8s  remaining: 19.3s
507: learn: 0.0569359    total: 19.9s  remaining: 19.3s
508: learn: 0.0568337    total: 19.9s  remaining: 19.2s
509: learn: 0.0566950    total: 20s   remaining: 19.2s
510: learn: 0.0565869    total: 20s   remaining: 19.1s
511: learn: 0.0564856    total: 20s   remaining: 19.1s
512: learn: 0.0564246    total: 20.1s  remaining: 19.1s
513: learn: 0.0563118    total: 20.1s  remaining: 19s
514: learn: 0.0562303    total: 20.2s  remaining: 19s
515: learn: 0.0561225    total: 20.2s  remaining: 18.9s
516: learn: 0.0560522    total: 20.3s  remaining: 19s
517: learn: 0.0559892    total: 20.4s  remaining: 19s
518: learn: 0.0559293    total: 20.4s  remaining: 18.9s
519: learn: 0.0558014    total: 20.4s  remaining: 18.9s
520: learn: 0.0557345    total: 20.5s  remaining: 18.8s
521: learn: 0.0556439    total: 20.5s  remaining: 18.8s
522: learn: 0.0556094    total: 20.5s  remaining: 18.7s
523: learn: 0.0555624    total: 20.5s  remaining: 18.7s
524: learn: 0.0554677    total: 20.6s  remaining: 18.6s
525: learn: 0.0554113    total: 20.7s  remaining: 18.6s
526: learn: 0.0553723    total: 20.7s  remaining: 18.6s
527: learn: 0.0552840    total: 20.7s  remaining: 18.5s
528: learn: 0.0552154    total: 20.8s  remaining: 18.5s
529: learn: 0.0551408    total: 20.8s  remaining: 18.4s
530: learn: 0.0550821    total: 20.8s  remaining: 18.4s
531: learn: 0.0549944    total: 20.9s  remaining: 18.4s
532: learn: 0.0549816    total: 21s   remaining: 18.4s
533: learn: 0.0549283    total: 21.1s  remaining: 18.4s
534: learn: 0.0547934    total: 21.1s  remaining: 18.3s
535: learn: 0.0547148    total: 21.1s  remaining: 18.3s
536: learn: 0.0546682    total: 21.2s  remaining: 18.3s
537: learn: 0.0545837    total: 21.2s  remaining: 18.2s
538: learn: 0.0545048    total: 21.3s  remaining: 18.2s
539: learn: 0.0544840    total: 21.3s  remaining: 18.1s
540: learn: 0.0543701    total: 21.3s  remaining: 18.1s
541: learn: 0.0542900    total: 21.3s  remaining: 18s
542: learn: 0.0542025    total: 21.3s  remaining: 18s
543: learn: 0.0540426    total: 21.4s  remaining: 17.9s
544: learn: 0.0539309    total: 21.4s  remaining: 17.9s
545: learn: 0.0539153    total: 21.4s  remaining: 17.8s
546: learn: 0.0538173    total: 21.4s  remaining: 17.8s
547: learn: 0.0537853    total: 21.5s  remaining: 17.7s

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548: learn: 0.0536995    total: 21.5s  remaining: 17.6s
549: learn: 0.0535927    total: 21.5s  remaining: 17.6s
550: learn: 0.0535597    total: 21.5s  remaining: 17.5s
551: learn: 0.0534973    total: 21.6s  remaining: 17.5s
552: learn: 0.0534136    total: 21.7s  remaining: 17.5s
553: learn: 0.0533536    total: 21.7s  remaining: 17.5s
554: learn: 0.0532659    total: 21.7s  remaining: 17.4s
555: learn: 0.0532197    total: 21.8s  remaining: 17.4s
556: learn: 0.0531551    total: 21.9s  remaining: 17.4s
557: learn: 0.0531263    total: 21.9s  remaining: 17.3s
558: learn: 0.0530633    total: 21.9s  remaining: 17.3s
559: learn: 0.0529943    total: 21.9s  remaining: 17.2s
560: learn: 0.0528947    total: 22s   remaining: 17.2s
561: learn: 0.0528671    total: 22s   remaining: 17.2s
562: learn: 0.0528149    total: 22.1s  remaining: 17.1s
563: learn: 0.0526994    total: 22.1s  remaining: 17.1s
564: learn: 0.0525847    total: 22.1s  remaining: 17s
565: learn: 0.0525292    total: 22.1s  remaining: 17s
566: learn: 0.0524510    total: 22.2s  remaining: 17s
567: learn: 0.0524097    total: 22.3s  remaining: 16.9s
568: learn: 0.0523133    total: 22.3s  remaining: 16.9s
569: learn: 0.0522508    total: 22.3s  remaining: 16.9s
570: learn: 0.0521446    total: 22.4s  remaining: 16.8s
571: learn: 0.0520817    total: 22.4s  remaining: 16.8s
572: learn: 0.0520164    total: 22.5s  remaining: 16.7s
573: learn: 0.0520059    total: 22.5s  remaining: 16.7s
574: learn: 0.0519324    total: 22.5s  remaining: 16.7s
575: learn: 0.0518818    total: 22.6s  remaining: 16.6s
576: learn: 0.0518137    total: 22.6s  remaining: 16.6s
577: learn: 0.0517332    total: 22.6s  remaining: 16.5s
578: learn: 0.0516505    total: 22.6s  remaining: 16.5s
579: learn: 0.0516148    total: 22.7s  remaining: 16.4s
580: learn: 0.0515994    total: 22.7s  remaining: 16.4s
581: learn: 0.0514957    total: 22.8s  remaining: 16.4s
582: learn: 0.0514242    total: 22.8s  remaining: 16.3s
583: learn: 0.0513683    total: 22.8s  remaining: 16.3s
584: learn: 0.0513051    total: 22.9s  remaining: 16.3s
585: learn: 0.0511785    total: 23s   remaining: 16.2s
586: learn: 0.0511189    total: 23s   remaining: 16.2s
587: learn: 0.0510377    total: 23.1s  remaining: 16.2s
588: learn: 0.0509633    total: 23.1s  remaining: 16.1s
589: learn: 0.0508903    total: 23.1s  remaining: 16.1s
590: learn: 0.0508058    total: 23.1s  remaining: 16s
591: learn: 0.0507436    total: 23.2s  remaining: 16s
592: learn: 0.0506756    total: 23.2s  remaining: 15.9s
593: learn: 0.0505934    total: 23.2s  remaining: 15.9s
594: learn: 0.0505260    total: 23.4s  remaining: 15.9s
595: learn: 0.0504668    total: 23.4s  remaining: 15.8s
596: learn: 0.0503586    total: 23.4s  remaining: 15.8s
597: learn: 0.0503161    total: 23.5s  remaining: 15.8s
598: learn: 0.0502447    total: 23.6s  remaining: 15.8s
599: learn: 0.0501801    total: 23.7s  remaining: 15.8s
600: learn: 0.0500873    total: 23.7s  remaining: 15.7s
601: learn: 0.0499697    total: 23.8s  remaining: 15.7s
602: learn: 0.0499023    total: 23.8s  remaining: 15.7s
603: learn: 0.0498334    total: 23.8s  remaining: 15.6s
604: learn: 0.0497627    total: 23.9s  remaining: 15.6s
605: learn: 0.0497206    total: 23.9s  remaining: 15.6s
606: learn: 0.0496441    total: 24s   remaining: 15.5s
607: learn: 0.0495589    total: 24s   remaining: 15.5s
608: learn: 0.0494697    total: 24s   remaining: 15.4s
609: learn: 0.0494153    total: 24.1s  remaining: 15.4s
610: learn: 0.0493374    total: 24.1s  remaining: 15.3s
611: learn: 0.0492879    total: 24.1s  remaining: 15.3s

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612: learn: 0.0492621    total: 24.1s  remaining: 15.2s
613: learn: 0.0492561    total: 24.2s  remaining: 15.2s
614: learn: 0.0491578    total: 24.2s  remaining: 15.1s
615: learn: 0.0490733    total: 24.2s  remaining: 15.1s
616: learn: 0.0490115    total: 24.2s  remaining: 15s
617: learn: 0.0489112    total: 24.2s  remaining: 15s
618: learn: 0.0489003    total: 24.3s  remaining: 14.9s
619: learn: 0.0488123    total: 24.3s  remaining: 14.9s
620: learn: 0.0487637    total: 24.3s  remaining: 14.8s
621: learn: 0.0486757    total: 24.3s  remaining: 14.8s
622: learn: 0.0485745    total: 24.4s  remaining: 14.8s
623: learn: 0.0485432    total: 24.5s  remaining: 14.7s
624: learn: 0.0484863    total: 24.5s  remaining: 14.7s
625: learn: 0.0483780    total: 24.5s  remaining: 14.6s
626: learn: 0.0483050    total: 24.5s  remaining: 14.6s
627: learn: 0.0482244    total: 24.5s  remaining: 14.5s
628: learn: 0.0482094    total: 24.5s  remaining: 14.5s
629: learn: 0.0481430    total: 24.6s  remaining: 14.4s
630: learn: 0.0480747    total: 24.6s  remaining: 14.4s
631: learn: 0.0480172    total: 24.7s  remaining: 14.4s
632: learn: 0.0479242    total: 24.7s  remaining: 14.3s
633: learn: 0.0478554    total: 24.8s  remaining: 14.3s
634: learn: 0.0478265    total: 24.8s  remaining: 14.3s
635: learn: 0.0477531    total: 24.9s  remaining: 14.2s
636: learn: 0.0477365    total: 24.9s  remaining: 14.2s
637: learn: 0.0476478    total: 24.9s  remaining: 14.1s
483: learn: 0.0556810    total: 19.2s  remaining: 20.4s
484: learn: 0.0556073    total: 19.2s  remaining: 20.4s
485: learn: 0.0555342    total: 19.2s  remaining: 20.3s
486: learn: 0.0554013    total: 19.2s  remaining: 20.3s
487: learn: 0.0553275    total: 19.3s  remaining: 20.2s
488: learn: 0.0552593    total: 19.3s  remaining: 20.1s
489: learn: 0.0551450    total: 19.3s  remaining: 20.1s
490: learn: 0.0550586    total: 19.3s  remaining: 20s
491: learn: 0.0549887    total: 19.3s  remaining: 20s
492: learn: 0.0549321    total: 19.4s  remaining: 19.9s
493: learn: 0.0548114    total: 19.4s  remaining: 19.9s
494: learn: 0.0547062    total: 19.4s  remaining: 19.8s
495: learn: 0.0546192    total: 19.4s  remaining: 19.8s
496: learn: 0.0545098    total: 19.5s  remaining: 19.7s
497: learn: 0.0544265    total: 19.5s  remaining: 19.7s
498: learn: 0.0543505    total: 19.6s  remaining: 19.7s
499: learn: 0.0542902    total: 19.7s  remaining: 19.7s
500: learn: 0.0542375    total: 19.7s  remaining: 19.6s
501: learn: 0.0541496    total: 19.8s  remaining: 19.6s
502: learn: 0.0540648    total: 19.8s  remaining: 19.6s
503: learn: 0.0539600    total: 19.9s  remaining: 19.6s
504: learn: 0.0538911    total: 19.9s  remaining: 19.5s
505: learn: 0.0537855    total: 20s   remaining: 19.5s
506: learn: 0.0537090    total: 20s   remaining: 19.4s
507: learn: 0.0536117    total: 20.1s  remaining: 19.4s
508: learn: 0.0535423    total: 20.1s  remaining: 19.4s
509: learn: 0.0534378    total: 20.1s  remaining: 19.3s
510: learn: 0.0533662    total: 20.2s  remaining: 19.3s
511: learn: 0.0533109    total: 20.2s  remaining: 19.2s
512: learn: 0.0532507    total: 20.3s  remaining: 19.2s
513: learn: 0.0531761    total: 20.3s  remaining: 19.2s
514: learn: 0.0531308    total: 20.4s  remaining: 19.2s
515: learn: 0.0530618    total: 20.4s  remaining: 19.1s
516: learn: 0.0529574    total: 20.4s  remaining: 19.1s
517: learn: 0.0529105    total: 20.5s  remaining: 19.1s
518: learn: 0.0528529    total: 20.5s  remaining: 19s
519: learn: 0.0527740    total: 20.5s  remaining: 18.9s
520: learn: 0.0527046    total: 20.6s  remaining: 18.9s

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521: learn: 0.0526055    total: 20.6s  remaining: 18.8s
522: learn: 0.0525484    total: 20.7s  remaining: 18.8s
523: learn: 0.0524680    total: 20.7s  remaining: 18.8s
524: learn: 0.0524291    total: 20.7s  remaining: 18.8s
525: learn: 0.0523681    total: 20.8s  remaining: 18.7s
526: learn: 0.0523054    total: 20.8s  remaining: 18.7s
527: learn: 0.0522720    total: 20.9s  remaining: 18.6s
528: learn: 0.0522175    total: 21s    remaining: 18.7s
529: learn: 0.0521192    total: 21s    remaining: 18.6s
530: learn: 0.0520670    total: 21s    remaining: 18.6s
531: learn: 0.0519938    total: 21.1s  remaining: 18.5s
532: learn: 0.0518778    total: 21.2s  remaining: 18.5s
533: learn: 0.0518206    total: 21.2s  remaining: 18.5s
534: learn: 0.0517297    total: 21.3s  remaining: 18.5s
535: learn: 0.0516193    total: 21.3s  remaining: 18.4s
536: learn: 0.0515945    total: 21.3s  remaining: 18.4s
537: learn: 0.0515319    total: 21.3s  remaining: 18.3s
538: learn: 0.0514853    total: 21.4s  remaining: 18.3s
539: learn: 0.0514292    total: 21.4s  remaining: 18.2s
540: learn: 0.0513102    total: 21.4s  remaining: 18.2s
541: learn: 0.0512461    total: 21.4s  remaining: 18.1s
542: learn: 0.0511941    total: 21.5s  remaining: 18.1s
543: learn: 0.0511312    total: 21.5s  remaining: 18s
544: learn: 0.0510390    total: 21.5s  remaining: 17.9s
545: learn: 0.0509157    total: 21.5s  remaining: 17.9s
546: learn: 0.0508717    total: 21.6s  remaining: 17.9s
547: learn: 0.0507948    total: 21.6s  remaining: 17.8s
548: learn: 0.0507218    total: 21.6s  remaining: 17.8s
549: learn: 0.0506274    total: 21.7s  remaining: 17.7s
550: learn: 0.0505800    total: 21.8s  remaining: 17.7s
551: learn: 0.0504868    total: 21.8s  remaining: 17.7s
552: learn: 0.0503979    total: 21.8s  remaining: 17.6s
553: learn: 0.0502836    total: 21.9s  remaining: 17.6s
554: learn: 0.0501790    total: 21.9s  remaining: 17.5s
555: learn: 0.0501309    total: 21.9s  remaining: 17.5s
556: learn: 0.0501072    total: 21.9s  remaining: 17.4s
557: learn: 0.0500360    total: 22s    remaining: 17.4s
558: learn: 0.0499631    total: 22s    remaining: 17.4s
559: learn: 0.0499060    total: 22s    remaining: 17.3s
560: learn: 0.0497641    total: 22.1s  remaining: 17.3s
561: learn: 0.0497068    total: 22.1s  remaining: 17.2s
562: learn: 0.0496610    total: 22.1s  remaining: 17.2s
563: learn: 0.0496536    total: 22.1s  remaining: 17.1s
564: learn: 0.0495624    total: 22.2s  remaining: 17.1s
565: learn: 0.0494799    total: 22.2s  remaining: 17s
566: learn: 0.0494194    total: 22.2s  remaining: 17s
567: learn: 0.0493453    total: 22.3s  remaining: 17s
568: learn: 0.0492847    total: 22.3s  remaining: 16.9s
569: learn: 0.0491802    total: 22.3s  remaining: 16.8s
570: learn: 0.0491161    total: 22.3s  remaining: 16.8s
571: learn: 0.0490577    total: 22.4s  remaining: 16.7s
572: learn: 0.0489497    total: 22.4s  remaining: 16.7s
573: learn: 0.0488962    total: 22.4s  remaining: 16.7s
574: learn: 0.0488176    total: 22.5s  remaining: 16.6s
575: learn: 0.0487051    total: 22.5s  remaining: 16.6s
576: learn: 0.0486727    total: 22.6s  remaining: 16.6s
577: learn: 0.0486211    total: 22.6s  remaining: 16.5s
578: learn: 0.0485294    total: 22.7s  remaining: 16.5s
579: learn: 0.0484388    total: 22.7s  remaining: 16.4s
580: learn: 0.0483492    total: 22.7s  remaining: 16.4s
581: learn: 0.0483040    total: 22.7s  remaining: 16.3s
582: learn: 0.0482033    total: 22.8s  remaining: 16.3s
583: learn: 0.0481328    total: 22.9s  remaining: 16.3s
584: learn: 0.0480843    total: 22.9s  remaining: 16.2s

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585: learn: 0.0479810    total: 23s      remaining: 16.2s
586: learn: 0.0479080    total: 23s      remaining: 16.2s
587: learn: 0.0478907    total: 23.1s     remaining: 16.2s
588: learn: 0.0477882    total: 23.1s     remaining: 16.1s
589: learn: 0.0477188    total: 23.1s     remaining: 16.1s
590: learn: 0.0476347    total: 23.1s     remaining: 16s
591: learn: 0.0475584    total: 23.2s     remaining: 16s
592: learn: 0.0474587    total: 23.2s     remaining: 15.9s
593: learn: 0.0473333    total: 23.3s     remaining: 15.9s
594: learn: 0.0472812    total: 23.3s     remaining: 15.9s
595: learn: 0.0471837    total: 23.4s     remaining: 15.9s
596: learn: 0.0471418    total: 23.4s     remaining: 15.8s
597: learn: 0.0470923    total: 23.5s     remaining: 15.8s
598: learn: 0.0469859    total: 23.5s     remaining: 15.7s
599: learn: 0.0469266    total: 23.5s     remaining: 15.7s
600: learn: 0.0468933    total: 23.5s     remaining: 15.6s
601: learn: 0.0468329    total: 23.5s     remaining: 15.5s
602: learn: 0.0467784    total: 23.5s     remaining: 15.5s
603: learn: 0.0467279    total: 23.5s     remaining: 15.4s
604: learn: 0.0466546    total: 23.6s     remaining: 15.4s
605: learn: 0.0465610    total: 23.6s     remaining: 15.4s
606: learn: 0.0464477    total: 23.7s     remaining: 15.3s
607: learn: 0.0464246    total: 23.8s     remaining: 15.3s
608: learn: 0.0463493    total: 23.8s     remaining: 15.3s
609: learn: 0.0462938    total: 23.9s     remaining: 15.3s
610: learn: 0.0462185    total: 23.9s     remaining: 15.2s
611: learn: 0.0461401    total: 23.9s     remaining: 15.2s
612: learn: 0.0460770    total: 24s       remaining: 15.1s
613: learn: 0.0460126    total: 24.1s     remaining: 15.2s
614: learn: 0.0459522    total: 24.2s     remaining: 15.1s
615: learn: 0.0458819    total: 24.2s     remaining: 15.1s
616: learn: 0.0458239    total: 24.3s     remaining: 15.1s
617: learn: 0.0457858    total: 24.3s     remaining: 15s
618: learn: 0.0457307    total: 24.5s     remaining: 15.1s
619: learn: 0.0456412    total: 24.5s     remaining: 15s
620: learn: 0.0455984    total: 24.6s     remaining: 15s
621: learn: 0.0455579    total: 24.7s     remaining: 15s
622: learn: 0.0454744    total: 24.7s     remaining: 15s
623: learn: 0.0454269    total: 24.8s     remaining: 15s
624: learn: 0.0453885    total: 24.9s     remaining: 14.9s
625: learn: 0.0453205    total: 25s       remaining: 14.9s
626: learn: 0.0452580    total: 25.1s     remaining: 14.9s
627: learn: 0.0452485    total: 25.1s     remaining: 14.9s
628: learn: 0.0451770    total: 25.1s     remaining: 14.8s
629: learn: 0.0450824    total: 25.1s     remaining: 14.8s
630: learn: 0.0450122    total: 25.1s     remaining: 14.7s
631: learn: 0.0449338    total: 25.2s     remaining: 14.7s
632: learn: 0.0448850    total: 25.2s     remaining: 14.6s
633: learn: 0.0448010    total: 25.2s     remaining: 14.6s
634: learn: 0.0447609    total: 25.3s     remaining: 14.5s
635: learn: 0.0447189    total: 25.3s     remaining: 14.5s
636: learn: 0.0446708    total: 25.3s     remaining: 14.4s
637: learn: 0.0446068    total: 25.4s     remaining: 14.4s
638: learn: 0.0445482    total: 25.4s     remaining: 14.4s
639: learn: 0.0444599    total: 25.5s     remaining: 14.3s
640: learn: 0.0444347    total: 25.5s     remaining: 14.3s
639: learn: 0.0402618    total: 22.6s     remaining: 12.7s
640: learn: 0.0402102    total: 22.6s     remaining: 12.7s
641: learn: 0.0401365    total: 22.7s     remaining: 12.6s
642: learn: 0.0400590    total: 22.7s     remaining: 12.6s
643: learn: 0.0400106    total: 22.8s     remaining: 12.6s
644: learn: 0.0399654    total: 22.8s     remaining: 12.5s
645: learn: 0.0399229    total: 22.8s     remaining: 12.5s
646: learn: 0.0398609    total: 22.9s     remaining: 12.5s

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647:	learn: 0.0398099	total: 22.9s	remaining: 12.4s
648:	learn: 0.0397564	total: 22.9s	remaining: 12.4s
649:	learn: 0.0396969	total: 22.9s	remaining: 12.3s
650:	learn: 0.0396525	total: 22.9s	remaining: 12.3s
651:	learn: 0.0395717	total: 23s	remaining: 12.3s
652:	learn: 0.0395257	total: 23s	remaining: 12.2s
653:	learn: 0.0394575	total: 23.1s	remaining: 12.2s
654:	learn: 0.0394062	total: 23.1s	remaining: 12.2s
655:	learn: 0.0393312	total: 23.1s	remaining: 12.1s
656:	learn: 0.0392514	total: 23.2s	remaining: 12.1s
657:	learn: 0.0391999	total: 23.3s	remaining: 12.1s
658:	learn: 0.0391774	total: 23.3s	remaining: 12s
659:	learn: 0.0391322	total: 23.3s	remaining: 12s
660:	learn: 0.0390485	total: 23.4s	remaining: 12s
661:	learn: 0.0389865	total: 23.4s	remaining: 11.9s
662:	learn: 0.0389614	total: 23.4s	remaining: 11.9s
663:	learn: 0.0389026	total: 23.5s	remaining: 11.9s
664:	learn: 0.0388361	total: 23.5s	remaining: 11.9s
665:	learn: 0.0387643	total: 23.6s	remaining: 11.8s
666:	learn: 0.0387094	total: 23.6s	remaining: 11.8s
667:	learn: 0.0386361	total: 23.7s	remaining: 11.8s
668:	learn: 0.0385772	total: 23.7s	remaining: 11.7s
669:	learn: 0.0384935	total: 23.8s	remaining: 11.7s
670:	learn: 0.0384501	total: 23.8s	remaining: 11.7s
671:	learn: 0.0383910	total: 23.9s	remaining: 11.7s
672:	learn: 0.0383145	total: 24s	remaining: 11.6s
673:	learn: 0.0382442	total: 24s	remaining: 11.6s
674:	learn: 0.0382069	total: 24.1s	remaining: 11.6s
675:	learn: 0.0381418	total: 24.2s	remaining: 11.6s
676:	learn: 0.0380973	total: 24.2s	remaining: 11.5s
677:	learn: 0.0380870	total: 24.2s	remaining: 11.5s
678:	learn: 0.0380395	total: 24.3s	remaining: 11.5s
679:	learn: 0.0379672	total: 24.3s	remaining: 11.4s
680:	learn: 0.0379073	total: 24.3s	remaining: 11.4s
681:	learn: 0.0378460	total: 24.3s	remaining: 11.4s
682:	learn: 0.0377782	total: 24.4s	remaining: 11.3s
683:	learn: 0.0377447	total: 24.5s	remaining: 11.3s
684:	learn: 0.0376961	total: 24.5s	remaining: 11.3s
685:	learn: 0.0376394	total: 24.5s	remaining: 11.2s
686:	learn: 0.0375831	total: 24.6s	remaining: 11.2s
687:	learn: 0.0374990	total: 24.6s	remaining: 11.2s
688:	learn: 0.0374156	total: 24.7s	remaining: 11.1s
689:	learn: 0.0373743	total: 24.7s	remaining: 11.1s
690:	learn: 0.0373205	total: 24.8s	remaining: 11.1s
691:	learn: 0.0372463	total: 24.8s	remaining: 11s
692:	learn: 0.0372409	total: 24.8s	remaining: 11s
693:	learn: 0.0371806	total: 24.8s	remaining: 10.9s
694:	learn: 0.0371595	total: 24.8s	remaining: 10.9s
695:	learn: 0.0371546	total: 24.9s	remaining: 10.9s
696:	learn: 0.0370938	total: 24.9s	remaining: 10.8s
697:	learn: 0.0370478	total: 25.1s	remaining: 10.8s
698:	learn: 0.0370001	total: 25.1s	remaining: 10.8s
699:	learn: 0.0369320	total: 25.1s	remaining: 10.8s
700:	learn: 0.0368661	total: 25.2s	remaining: 10.7s
701:	learn: 0.0368241	total: 25.2s	remaining: 10.7s
702:	learn: 0.0367754	total: 25.2s	remaining: 10.6s
703:	learn: 0.0367701	total: 25.2s	remaining: 10.6s
704:	learn: 0.0367129	total: 25.2s	remaining: 10.5s
705:	learn: 0.0366767	total: 25.3s	remaining: 10.5s
706:	learn: 0.0366287	total: 25.3s	remaining: 10.5s
707:	learn: 0.0365776	total: 25.3s	remaining: 10.4s
708:	learn: 0.0365101	total: 25.4s	remaining: 10.4s
709:	learn: 0.0364379	total: 25.4s	remaining: 10.4s
710:	learn: 0.0364007	total: 25.5s	remaining: 10.3s

711:	learn: 0.0363415	total: 25.5s	remaining: 10.3s
712:	learn: 0.0362999	total: 25.6s	remaining: 10.3s
713:	learn: 0.0362391	total: 25.7s	remaining: 10.3s
714:	learn: 0.0361898	total: 25.7s	remaining: 10.3s
715:	learn: 0.0361341	total: 25.8s	remaining: 10.2s
716:	learn: 0.0360787	total: 25.9s	remaining: 10.2s
717:	learn: 0.0360720	total: 26s	remaining: 10.2s
718:	learn: 0.0360218	total: 26s	remaining: 10.2s
719:	learn: 0.0359826	total: 26.1s	remaining: 10.1s
720:	learn: 0.0359157	total: 26.1s	remaining: 10.1s
721:	learn: 0.0358490	total: 26.2s	remaining: 10.1s
722:	learn: 0.0357948	total: 26.2s	remaining: 10s
723:	learn: 0.0357357	total: 26.2s	remaining: 10s
724:	learn: 0.0356647	total: 26.3s	remaining: 9.97s
725:	learn: 0.0356016	total: 26.3s	remaining: 9.94s
726:	learn: 0.0355484	total: 26.3s	remaining: 9.89s
727:	learn: 0.0355175	total: 26.4s	remaining: 9.86s
728:	learn: 0.0354908	total: 26.4s	remaining: 9.81s
729:	learn: 0.0354468	total: 26.4s	remaining: 9.78s
730:	learn: 0.0353401	total: 26.5s	remaining: 9.75s
731:	learn: 0.0353057	total: 26.6s	remaining: 9.73s
732:	learn: 0.0352429	total: 26.6s	remaining: 9.68s
733:	learn: 0.0352308	total: 26.6s	remaining: 9.65s
734:	learn: 0.0351917	total: 26.7s	remaining: 9.61s
735:	learn: 0.0351488	total: 26.8s	remaining: 9.61s
736:	learn: 0.0350946	total: 26.9s	remaining: 9.61s
737:	learn: 0.0350422	total: 26.9s	remaining: 9.56s
738:	learn: 0.0350060	total: 27s	remaining: 9.52s
739:	learn: 0.0349562	total: 27s	remaining: 9.47s
740:	learn: 0.0348813	total: 27s	remaining: 9.44s
741:	learn: 0.0348408	total: 27.1s	remaining: 9.42s
742:	learn: 0.0348363	total: 27.1s	remaining: 9.39s
743:	learn: 0.0347839	total: 27.2s	remaining: 9.36s
744:	learn: 0.0347028	total: 27.3s	remaining: 9.33s
745:	learn: 0.0346526	total: 27.3s	remaining: 9.29s
746:	learn: 0.0346185	total: 27.4s	remaining: 9.27s
747:	learn: 0.0345670	total: 27.4s	remaining: 9.23s
748:	learn: 0.0345274	total: 27.4s	remaining: 9.2s
749:	learn: 0.0344864	total: 27.5s	remaining: 9.17s
750:	learn: 0.0344393	total: 27.5s	remaining: 9.13s
751:	learn: 0.0343839	total: 27.6s	remaining: 9.09s
752:	learn: 0.0343456	total: 27.6s	remaining: 9.05s
753:	learn: 0.0342987	total: 27.6s	remaining: 9.01s
754:	learn: 0.0342565	total: 27.6s	remaining: 8.97s
755:	learn: 0.0342258	total: 27.6s	remaining: 8.92s
756:	learn: 0.0341706	total: 27.6s	remaining: 8.88s
757:	learn: 0.0341208	total: 27.7s	remaining: 8.84s
758:	learn: 0.0341170	total: 27.7s	remaining: 8.79s
759:	learn: 0.0340491	total: 27.7s	remaining: 8.75s
760:	learn: 0.0339935	total: 27.7s	remaining: 8.71s
761:	learn: 0.0339463	total: 27.8s	remaining: 8.68s
762:	learn: 0.0338568	total: 27.8s	remaining: 8.65s
763:	learn: 0.0338226	total: 27.9s	remaining: 8.62s
764:	learn: 0.0337515	total: 27.9s	remaining: 8.58s
765:	learn: 0.0337049	total: 28s	remaining: 8.55s
766:	learn: 0.0336564	total: 28.1s	remaining: 8.53s
767:	learn: 0.0336075	total: 28.1s	remaining: 8.48s
768:	learn: 0.0335533	total: 28.1s	remaining: 8.45s
769:	learn: 0.0334872	total: 28.2s	remaining: 8.43s
770:	learn: 0.0334294	total: 28.2s	remaining: 8.39s
771:	learn: 0.0333766	total: 28.3s	remaining: 8.35s
772:	learn: 0.0333184	total: 28.3s	remaining: 8.31s
773:	learn: 0.0332961	total: 28.3s	remaining: 8.28s
774:	learn: 0.0332179	total: 28.5s	remaining: 8.26s

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775: learn: 0.0331649    total: 28.5s  remaining: 8.22s
776: learn: 0.0331373    total: 28.5s  remaining: 8.18s
777: learn: 0.0330880    total: 28.5s  remaining: 8.14s
778: learn: 0.0330325    total: 28.6s  remaining: 8.11s
779: learn: 0.0329904    total: 28.6s  remaining: 8.08s
780: learn: 0.0329418    total: 28.7s  remaining: 8.05s
781: learn: 0.0329096    total: 28.7s  remaining: 8.01s
782: learn: 0.0328735    total: 28.8s  remaining: 7.99s
783: learn: 0.0328370    total: 28.9s  remaining: 7.96s
784: learn: 0.0327695    total: 28.9s  remaining: 7.92s
785: learn: 0.0327578    total: 29s   remaining: 7.89s
786: learn: 0.0327139    total: 29s   remaining: 7.86s
787: learn: 0.0327093    total: 29s   remaining: 7.81s
788: learn: 0.0326902    total: 29.1s  remaining: 7.78s
789: learn: 0.0326637    total: 29.1s  remaining: 7.75s
790: learn: 0.0326176    total: 29.2s  remaining: 7.72s
791: learn: 0.0325662    total: 29.2s  remaining: 7.68s
792: learn: 0.0325302    total: 29.3s  remaining: 7.64s
793: learn: 0.0325020    total: 29.3s  remaining: 7.59s
794: learn: 0.0324723    total: 29.3s  remaining: 7.55s
795: learn: 0.0323945    total: 29.4s  remaining: 7.53s
796: learn: 0.0323550    total: 29.4s  remaining: 7.49s
642: learn: 0.0421586    total: 24.6s  remaining: 13.7s
643: learn: 0.0420995    total: 24.7s  remaining: 13.6s
644: learn: 0.0419996    total: 24.7s  remaining: 13.6s
645: learn: 0.0419485    total: 24.7s  remaining: 13.5s
646: learn: 0.0419060    total: 24.7s  remaining: 13.5s
647: learn: 0.0418755    total: 24.8s  remaining: 13.5s
648: learn: 0.0418289    total: 24.8s  remaining: 13.4s
649: learn: 0.0417566    total: 24.8s  remaining: 13.4s
650: learn: 0.0416962    total: 24.9s  remaining: 13.3s
651: learn: 0.0416162    total: 24.9s  remaining: 13.3s
652: learn: 0.0415798    total: 24.9s  remaining: 13.3s
653: learn: 0.0415261    total: 25s   remaining: 13.2s
654: learn: 0.0414681    total: 25s   remaining: 13.2s
655: learn: 0.0413962    total: 25s   remaining: 13.1s
656: learn: 0.0413041    total: 25.1s  remaining: 13.1s
657: learn: 0.0412006    total: 25.1s  remaining: 13.1s
658: learn: 0.0411251    total: 25.2s  remaining: 13s
659: learn: 0.0410390    total: 25.2s  remaining: 13s
660: learn: 0.0409505    total: 25.3s  remaining: 13s
661: learn: 0.0408814    total: 25.3s  remaining: 12.9s
662: learn: 0.0408233    total: 25.4s  remaining: 12.9s
663: learn: 0.0407697    total: 25.5s  remaining: 12.9s
664: learn: 0.0406684    total: 25.5s  remaining: 12.8s
665: learn: 0.0405936    total: 25.6s  remaining: 12.8s
666: learn: 0.0405231    total: 25.6s  remaining: 12.8s
667: learn: 0.0404908    total: 25.7s  remaining: 12.8s
668: learn: 0.0404282    total: 25.8s  remaining: 12.7s
669: learn: 0.0403808    total: 25.8s  remaining: 12.7s
670: learn: 0.0403361    total: 25.9s  remaining: 12.7s
671: learn: 0.0403265    total: 25.9s  remaining: 12.7s
672: learn: 0.0402517    total: 26s   remaining: 12.6s
673: learn: 0.0401945    total: 26.1s  remaining: 12.6s
674: learn: 0.0401314    total: 26.2s  remaining: 12.6s
675: learn: 0.0400784    total: 26.2s  remaining: 12.6s
676: learn: 0.0400017    total: 26.2s  remaining: 12.5s
677: learn: 0.0399320    total: 26.3s  remaining: 12.5s
678: learn: 0.0398764    total: 26.4s  remaining: 12.5s
679: learn: 0.0397882    total: 26.5s  remaining: 12.5s
680: learn: 0.0397660    total: 26.5s  remaining: 12.4s
681: learn: 0.0396945    total: 26.6s  remaining: 12.4s
682: learn: 0.0396858    total: 26.6s  remaining: 12.3s
683: learn: 0.0395996    total: 26.6s  remaining: 12.3s

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684: learn: 0.0395775    total: 26.7s  remaining: 12.3s
685: learn: 0.0395689    total: 26.7s  remaining: 12.2s
686: learn: 0.0395462    total: 26.7s  remaining: 12.2s
687: learn: 0.0394757    total: 26.8s  remaining: 12.1s
688: learn: 0.0394196    total: 26.8s  remaining: 12.1s
689: learn: 0.0393765    total: 26.8s  remaining: 12.1s
690: learn: 0.0393426    total: 26.9s  remaining: 12s
691: learn: 0.0392682    total: 26.9s  remaining: 12s
692: learn: 0.0392260    total: 27s    remaining: 12s
693: learn: 0.0392183    total: 27.1s  remaining: 11.9s
694: learn: 0.0391765    total: 27.1s  remaining: 11.9s
695: learn: 0.0390887    total: 27.1s  remaining: 11.8s
696: learn: 0.0389956    total: 27.2s  remaining: 11.8s
697: learn: 0.0389162    total: 27.3s  remaining: 11.8s
698: learn: 0.0388810    total: 27.3s  remaining: 11.8s
699: learn: 0.0388308    total: 27.4s  remaining: 11.7s
700: learn: 0.0387840    total: 27.4s  remaining: 11.7s
701: learn: 0.0387318    total: 27.5s  remaining: 11.7s
702: learn: 0.0386738    total: 27.5s  remaining: 11.6s
703: learn: 0.0385966    total: 27.6s  remaining: 11.6s
704: learn: 0.0385499    total: 27.7s  remaining: 11.6s
705: learn: 0.0384942    total: 27.7s  remaining: 11.5s
706: learn: 0.0384443    total: 27.8s  remaining: 11.5s
707: learn: 0.0383748    total: 27.8s  remaining: 11.5s
708: learn: 0.0382797    total: 27.9s  remaining: 11.4s
709: learn: 0.0382057    total: 27.9s  remaining: 11.4s
710: learn: 0.0381288    total: 28s    remaining: 11.4s
711: learn: 0.0380778    total: 28s    remaining: 11.3s
712: learn: 0.0380282    total: 28s    remaining: 11.3s
713: learn: 0.0380204    total: 28s    remaining: 11.2s
714: learn: 0.0379432    total: 28.1s  remaining: 11.2s
715: learn: 0.0378914    total: 28.2s  remaining: 11.2s
716: learn: 0.0378041    total: 28.2s  remaining: 11.1s
717: learn: 0.0377172    total: 28.2s  remaining: 11.1s
718: learn: 0.0376693    total: 28.2s  remaining: 11s
719: learn: 0.0376489    total: 28.2s  remaining: 11s
720: learn: 0.0375865    total: 28.3s  remaining: 10.9s
721: learn: 0.0374996    total: 28.3s  remaining: 10.9s
722: learn: 0.0374652    total: 28.3s  remaining: 10.8s
723: learn: 0.0374073    total: 28.3s  remaining: 10.8s
724: learn: 0.0373534    total: 28.3s  remaining: 10.7s
725: learn: 0.0373006    total: 28.3s  remaining: 10.7s
726: learn: 0.0372944    total: 28.3s  remaining: 10.6s
727: learn: 0.0372339    total: 28.3s  remaining: 10.6s
728: learn: 0.0372015    total: 28.3s  remaining: 10.5s
729: learn: 0.0371518    total: 28.4s  remaining: 10.5s
730: learn: 0.0370933    total: 28.4s  remaining: 10.4s
731: learn: 0.0370487    total: 28.4s  remaining: 10.4s
732: learn: 0.0370216    total: 28.4s  remaining: 10.3s
733: learn: 0.0370044    total: 28.4s  remaining: 10.3s
734: learn: 0.0369263    total: 28.4s  remaining: 10.2s
735: learn: 0.0368580    total: 28.4s  remaining: 10.2s
736: learn: 0.0367984    total: 28.5s  remaining: 10.2s
737: learn: 0.0367178    total: 28.5s  remaining: 10.1s
738: learn: 0.0366616    total: 28.6s  remaining: 10.1s
739: learn: 0.0365888    total: 28.6s  remaining: 10s
740: learn: 0.0365143    total: 28.6s  remaining: 9.99s
741: learn: 0.0364461    total: 28.6s  remaining: 9.94s
742: learn: 0.0364022    total: 28.6s  remaining: 9.9s
743: learn: 0.0363649    total: 28.7s  remaining: 9.87s
744: learn: 0.0362923    total: 28.7s  remaining: 9.82s
745: learn: 0.0362061    total: 28.8s  remaining: 9.8s
746: learn: 0.0361426    total: 28.8s  remaining: 9.76s
747: learn: 0.0361031    total: 28.9s  remaining: 9.72s

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748: learn: 0.0360689      total: 28.9s  remaining: 9.68s
749: learn: 0.0359975      total: 29s    remaining: 9.65s
750: learn: 0.0359464      total: 29s    remaining: 9.62s
751: learn: 0.0359035      total: 29.1s  remaining: 9.58s
752: learn: 0.0358409      total: 29.1s  remaining: 9.53s
753: learn: 0.0357620      total: 29.1s  remaining: 9.51s
754: learn: 0.0357096      total: 29.2s  remaining: 9.47s
755: learn: 0.0356275      total: 29.2s  remaining: 9.42s
756: learn: 0.0355849      total: 29.2s  remaining: 9.37s
757: learn: 0.0355312      total: 29.2s  remaining: 9.33s
758: learn: 0.0354838      total: 29.3s  remaining: 9.31s
759: learn: 0.0354077      total: 29.4s  remaining: 9.28s
760: learn: 0.0353683      total: 29.4s  remaining: 9.23s
761: learn: 0.0353038      total: 29.4s  remaining: 9.19s
762: learn: 0.0352526      total: 29.4s  remaining: 9.15s
763: learn: 0.0352218      total: 29.6s  remaining: 9.13s
764: learn: 0.0351747      total: 29.6s  remaining: 9.1s
765: learn: 0.0351322      total: 29.7s  remaining: 9.06s
766: learn: 0.0350678      total: 29.7s  remaining: 9.02s
767: learn: 0.0350236      total: 29.7s  remaining: 8.98s
768: learn: 0.0349638      total: 29.8s  remaining: 8.94s
769: learn: 0.0349472      total: 29.8s  remaining: 8.9s
770: learn: 0.0349081      total: 29.8s  remaining: 8.85s
771: learn: 0.0348382      total: 29.8s  remaining: 8.81s
772: learn: 0.0348158      total: 29.8s  remaining: 8.76s
773: learn: 0.0347562      total: 29.9s  remaining: 8.73s
774: learn: 0.0346969      total: 29.9s  remaining: 8.69s
775: learn: 0.0346797      total: 30s    remaining: 8.65s
776: learn: 0.0346254      total: 30s    remaining: 8.62s
777: learn: 0.0345887      total: 30s    remaining: 8.57s
778: learn: 0.0345386      total: 30.1s  remaining: 8.53s
779: learn: 0.0344535      total: 30.1s  remaining: 8.49s
780: learn: 0.0344345      total: 30.1s  remaining: 8.45s
781: learn: 0.0343777      total: 30.1s  remaining: 8.4s
782: learn: 0.0343136      total: 30.2s  remaining: 8.36s
783: learn: 0.0342608      total: 30.2s  remaining: 8.32s
784: learn: 0.0342302      total: 30.3s  remaining: 8.29s
785: learn: 0.0342128      total: 30.3s  remaining: 8.24s
786: learn: 0.0341492      total: 30.3s  remaining: 8.2s
787: learn: 0.0340888      total: 30.4s  remaining: 8.17s
788: learn: 0.0340417      total: 30.4s  remaining: 8.12s
789: learn: 0.0339970      total: 30.4s  remaining: 8.09s
790: learn: 0.0339566      total: 30.4s  remaining: 8.04s
791: learn: 0.0339205      total: 30.5s  remaining: 8.01s
792: learn: 0.0339181      total: 30.5s  remaining: 7.97s
793: learn: 0.0338803      total: 30.6s  remaining: 7.93s
794: learn: 0.0338094      total: 30.6s  remaining: 7.9s
795: learn: 0.0337841      total: 30.7s  remaining: 7.86s
796: learn: 0.0337528      total: 30.7s  remaining: 7.82s
797: learn: 0.0336878      total: 30.7s  remaining: 7.77s
798: learn: 0.0336260      total: 30.7s  remaining: 7.73s
799: learn: 0.0335933      total: 30.8s  remaining: 7.69s
425: learn: 0.0673899      total: 18.8s  remaining: 25.3s
426: learn: 0.0672865      total: 18.9s  remaining: 25.3s
427: learn: 0.0671869      total: 18.9s  remaining: 25.2s
428: learn: 0.0670602      total: 18.9s  remaining: 25.2s
429: learn: 0.0668677      total: 19s    remaining: 25.1s
430: learn: 0.0668585      total: 19s    remaining: 25.1s
431: learn: 0.0667356      total: 19.1s  remaining: 25.1s
432: learn: 0.0666416      total: 19.1s  remaining: 25s
433: learn: 0.0665159      total: 19.2s  remaining: 25s
434: learn: 0.0663776      total: 19.3s  remaining: 25s
435: learn: 0.0662756      total: 19.3s  remaining: 24.9s
436: learn: 0.0661386      total: 19.3s  remaining: 24.9s

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437: learn: 0.0660481    total: 19.4s  remaining: 24.9s
438: learn: 0.0659700    total: 19.4s  remaining: 24.9s
439: learn: 0.0658258    total: 19.5s  remaining: 24.9s
440: learn: 0.0657298    total: 19.5s  remaining: 24.8s
441: learn: 0.0656214    total: 19.6s  remaining: 24.7s
442: learn: 0.0656125    total: 19.6s  remaining: 24.7s
443: learn: 0.0655407    total: 19.6s  remaining: 24.6s
444: learn: 0.0654358    total: 19.7s  remaining: 24.5s
445: learn: 0.0654009    total: 19.7s  remaining: 24.5s
446: learn: 0.0653898    total: 19.7s  remaining: 24.4s
447: learn: 0.0652038    total: 19.7s  remaining: 24.3s
448: learn: 0.0650651    total: 19.8s  remaining: 24.3s
449: learn: 0.0649393    total: 19.8s  remaining: 24.2s
450: learn: 0.0648256    total: 19.9s  remaining: 24.2s
451: learn: 0.0647203    total: 19.9s  remaining: 24.1s
452: learn: 0.0646611    total: 19.9s  remaining: 24s
453: learn: 0.0645568    total: 20s   remaining: 24s
454: learn: 0.0644630    total: 20s   remaining: 24s
455: learn: 0.0643793    total: 20.1s  remaining: 24s
456: learn: 0.0643702    total: 20.1s  remaining: 23.9s
457: learn: 0.0642346    total: 20.1s  remaining: 23.8s
458: learn: 0.0641247    total: 20.2s  remaining: 23.8s
459: learn: 0.0639699    total: 20.2s  remaining: 23.7s
460: learn: 0.0638504    total: 20.2s  remaining: 23.7s
461: learn: 0.0637453    total: 20.3s  remaining: 23.6s
462: learn: 0.0636418    total: 20.3s  remaining: 23.5s
463: learn: 0.0635659    total: 20.3s  remaining: 23.5s
464: learn: 0.0634489    total: 20.3s  remaining: 23.4s
465: learn: 0.0633916    total: 20.4s  remaining: 23.4s
466: learn: 0.0632978    total: 20.4s  remaining: 23.3s
467: learn: 0.0632087    total: 20.5s  remaining: 23.3s
468: learn: 0.0631295    total: 20.6s  remaining: 23.3s
469: learn: 0.0630562    total: 20.6s  remaining: 23.3s
470: learn: 0.0629447    total: 20.7s  remaining: 23.2s
471: learn: 0.0628634    total: 20.7s  remaining: 23.2s
472: learn: 0.0627651    total: 20.7s  remaining: 23.1s
473: learn: 0.0626585    total: 20.8s  remaining: 23s
474: learn: 0.0625662    total: 20.8s  remaining: 23s
475: learn: 0.0624228    total: 21s   remaining: 23.1s
476: learn: 0.0623179    total: 21s   remaining: 23s
477: learn: 0.0621645    total: 21.1s  remaining: 23s
478: learn: 0.0620268    total: 21.1s  remaining: 23s
479: learn: 0.0619250    total: 21.2s  remaining: 23s
480: learn: 0.0618255    total: 21.3s  remaining: 23s
481: learn: 0.0617185    total: 21.3s  remaining: 22.9s
482: learn: 0.0617082    total: 21.4s  remaining: 22.9s
483: learn: 0.0615609    total: 21.5s  remaining: 22.9s
484: learn: 0.0615508    total: 21.6s  remaining: 22.9s
485: learn: 0.0614812    total: 21.7s  remaining: 23s
486: learn: 0.0613737    total: 21.8s  remaining: 22.9s
487: learn: 0.0613041    total: 21.8s  remaining: 22.8s
488: learn: 0.0611885    total: 21.8s  remaining: 22.8s
489: learn: 0.0611122    total: 21.9s  remaining: 22.8s
490: learn: 0.0609854    total: 22s   remaining: 22.8s
491: learn: 0.0608959    total: 22s   remaining: 22.7s
492: learn: 0.0608358    total: 22s   remaining: 22.6s
493: learn: 0.0607482    total: 22.1s  remaining: 22.7s
494: learn: 0.0606882    total: 22.2s  remaining: 22.7s
495: learn: 0.0606153    total: 22.2s  remaining: 22.6s
496: learn: 0.0605139    total: 22.3s  remaining: 22.6s
497: learn: 0.0603848    total: 22.4s  remaining: 22.5s
498: learn: 0.0602820    total: 22.4s  remaining: 22.5s
499: learn: 0.0602185    total: 22.5s  remaining: 22.5s
500: learn: 0.0601091    total: 22.5s  remaining: 22.4s

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501: learn: 0.0600253    total: 22.5s  remaining: 22.3s
502: learn: 0.0599165    total: 22.5s  remaining: 22.3s
503: learn: 0.0598064    total: 22.5s  remaining: 22.2s
504: learn: 0.0597987    total: 22.6s  remaining: 22.1s
505: learn: 0.0597617    total: 22.6s  remaining: 22.1s
506: learn: 0.0597547    total: 22.7s  remaining: 22.1s
507: learn: 0.0597448    total: 22.8s  remaining: 22.1s
508: learn: 0.0596340    total: 22.8s  remaining: 22s
509: learn: 0.0595680    total: 22.9s  remaining: 22s
510: learn: 0.0595613    total: 23s   remaining: 22s
511: learn: 0.0594837    total: 23s   remaining: 21.9s
512: learn: 0.0593835    total: 23.1s  remaining: 21.9s
513: learn: 0.0592754    total: 23.1s  remaining: 21.9s
514: learn: 0.0591628    total: 23.3s  remaining: 21.9s
515: learn: 0.0590563    total: 23.3s  remaining: 21.9s
516: learn: 0.0590484    total: 23.5s  remaining: 21.9s
517: learn: 0.0589735    total: 23.6s  remaining: 21.9s
518: learn: 0.0589165    total: 23.7s  remaining: 21.9s
519: learn: 0.0588426    total: 23.7s  remaining: 21.9s
520: learn: 0.0588333    total: 23.8s  remaining: 21.8s
521: learn: 0.0587513    total: 23.8s  remaining: 21.8s
522: learn: 0.0586856    total: 23.8s  remaining: 21.7s
523: learn: 0.0586002    total: 23.9s  remaining: 21.7s
524: learn: 0.0585407    total: 23.9s  remaining: 21.6s
525: learn: 0.0584984    total: 24s   remaining: 21.6s
526: learn: 0.0584282    total: 24s   remaining: 21.5s
527: learn: 0.0583373    total: 24s   remaining: 21.5s
528: learn: 0.0582424    total: 24.1s  remaining: 21.5s
529: learn: 0.0581669    total: 24.1s  remaining: 21.4s
530: learn: 0.0581076    total: 24.2s  remaining: 21.3s
531: learn: 0.0581010    total: 24.2s  remaining: 21.3s
532: learn: 0.0580249    total: 24.2s  remaining: 21.2s
533: learn: 0.0580191    total: 24.3s  remaining: 21.2s
534: learn: 0.0579077    total: 24.3s  remaining: 21.1s
535: learn: 0.0577820    total: 24.3s  remaining: 21s
536: learn: 0.0577734    total: 24.3s  remaining: 20.9s
537: learn: 0.0576751    total: 24.5s  remaining: 21.1s
538: learn: 0.0575716    total: 24.5s  remaining: 21s
539: learn: 0.0574595    total: 24.6s  remaining: 20.9s
540: learn: 0.0573516    total: 24.6s  remaining: 20.9s
541: learn: 0.0572672    total: 24.6s  remaining: 20.8s
542: learn: 0.0571290    total: 24.6s  remaining: 20.7s
543: learn: 0.0570505    total: 24.7s  remaining: 20.7s
544: learn: 0.0569718    total: 24.7s  remaining: 20.7s
545: learn: 0.0568678    total: 24.8s  remaining: 20.6s
546: learn: 0.0567591    total: 24.8s  remaining: 20.6s
547: learn: 0.0566666    total: 24.9s  remaining: 20.5s
548: learn: 0.0566106    total: 24.9s  remaining: 20.5s
549: learn: 0.0564981    total: 24.9s  remaining: 20.4s
550: learn: 0.0564331    total: 25.1s  remaining: 20.4s
551: learn: 0.0563937    total: 25.1s  remaining: 20.4s
552: learn: 0.0562711    total: 25.1s  remaining: 20.3s
553: learn: 0.0561766    total: 25.1s  remaining: 20.2s
554: learn: 0.0560912    total: 25.2s  remaining: 20.2s
555: learn: 0.0560123    total: 25.2s  remaining: 20.1s
556: learn: 0.0559320    total: 25.2s  remaining: 20.1s
557: learn: 0.0558505    total: 25.3s  remaining: 20s
558: learn: 0.0557492    total: 25.3s  remaining: 20s
559: learn: 0.0556961    total: 25.4s  remaining: 19.9s
560: learn: 0.0556014    total: 25.4s  remaining: 19.9s
561: learn: 0.0555513    total: 25.4s  remaining: 19.8s
562: learn: 0.0555456    total: 25.5s  remaining: 19.8s
563: learn: 0.0554102    total: 25.5s  remaining: 19.7s
564: learn: 0.0552749    total: 25.5s  remaining: 19.6s

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565: learn: 0.0551845    total: 25.6s  remaining: 19.6s
566: learn: 0.0551281    total: 25.6s  remaining: 19.6s
567: learn: 0.0550272    total: 25.7s  remaining: 19.5s
568: learn: 0.0549580    total: 25.7s  remaining: 19.5s
569: learn: 0.0548737    total: 25.8s  remaining: 19.4s
570: learn: 0.0547850    total: 25.9s  remaining: 19.4s
571: learn: 0.0547788    total: 25.9s  remaining: 19.4s
572: learn: 0.0547710    total: 25.9s  remaining: 19.3s
573: learn: 0.0546900    total: 26s    remaining: 19.3s
574: learn: 0.0545841    total: 26s    remaining: 19.2s
575: learn: 0.0545315    total: 26s    remaining: 19.2s
576: learn: 0.0544509    total: 26s    remaining: 19.1s
577: learn: 0.0543802    total: 26.2s  remaining: 19.1s
578: learn: 0.0542863    total: 26.2s  remaining: 19s
579: learn: 0.0542183    total: 26.3s  remaining: 19s
580: learn: 0.0541430    total: 26.3s  remaining: 19s
581: learn: 0.0540418    total: 26.3s  remaining: 18.9s
582: learn: 0.0539281    total: 26.3s  remaining: 18.8s
583: learn: 0.0539194    total: 26.4s  remaining: 18.8s
638: learn: 0.0475684    total: 24.9s  remaining: 14.1s
639: learn: 0.0474849    total: 24.9s  remaining: 14s
640: learn: 0.0474053    total: 24.9s  remaining: 14s
641: learn: 0.0473633    total: 25s    remaining: 13.9s
642: learn: 0.0472826    total: 25s    remaining: 13.9s
643: learn: 0.0472271    total: 25.1s  remaining: 13.8s
644: learn: 0.0471451    total: 25.1s  remaining: 13.8s
645: learn: 0.0470335    total: 25.1s  remaining: 13.7s
646: learn: 0.0470156    total: 25.1s  remaining: 13.7s
647: learn: 0.0469256    total: 25.1s  remaining: 13.6s
648: learn: 0.0468386    total: 25.2s  remaining: 13.6s
649: learn: 0.0467597    total: 25.3s  remaining: 13.6s
650: learn: 0.0466424    total: 25.3s  remaining: 13.6s
651: learn: 0.0466359    total: 25.5s  remaining: 13.6s
652: learn: 0.0465568    total: 25.5s  remaining: 13.5s
653: learn: 0.0464942    total: 25.7s  remaining: 13.6s
654: learn: 0.0463980    total: 25.7s  remaining: 13.5s
655: learn: 0.0463259    total: 25.7s  remaining: 13.5s
656: learn: 0.0462608    total: 25.8s  remaining: 13.5s
657: learn: 0.0461970    total: 25.8s  remaining: 13.4s
658: learn: 0.0461207    total: 25.9s  remaining: 13.4s
659: learn: 0.0460826    total: 25.9s  remaining: 13.3s
660: learn: 0.0460630    total: 26s    remaining: 13.3s
661: learn: 0.0460275    total: 26s    remaining: 13.3s
662: learn: 0.0459831    total: 26s    remaining: 13.2s
663: learn: 0.0459106    total: 26s    remaining: 13.2s
664: learn: 0.0458530    total: 26.1s  remaining: 13.1s
665: learn: 0.0457899    total: 26.2s  remaining: 13.1s
666: learn: 0.0457371    total: 26.2s  remaining: 13.1s
667: learn: 0.0456788    total: 26.2s  remaining: 13s
668: learn: 0.0455663    total: 26.3s  remaining: 13s
669: learn: 0.0455236    total: 26.3s  remaining: 13s
670: learn: 0.0454671    total: 26.4s  remaining: 12.9s
671: learn: 0.0454235    total: 26.5s  remaining: 12.9s
672: learn: 0.0453368    total: 26.6s  remaining: 12.9s
673: learn: 0.0452339    total: 26.6s  remaining: 12.9s
674: learn: 0.0451591    total: 26.7s  remaining: 12.9s
675: learn: 0.0450751    total: 26.8s  remaining: 12.8s
676: learn: 0.0449946    total: 26.9s  remaining: 12.8s
677: learn: 0.0449839    total: 26.9s  remaining: 12.8s
678: learn: 0.0448855    total: 27s    remaining: 12.7s
679: learn: 0.0447892    total: 27s    remaining: 12.7s
680: learn: 0.0446863    total: 27s    remaining: 12.7s
681: learn: 0.0446024    total: 27.1s  remaining: 12.6s
682: learn: 0.0445336    total: 27.1s  remaining: 12.6s

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683: learn: 0.0444458    total: 27.1s  remaining: 12.5s
684: learn: 0.0444027    total: 27.2s  remaining: 12.5s
685: learn: 0.0443321    total: 27.3s  remaining: 12.5s
686: learn: 0.0442795    total: 27.3s  remaining: 12.5s
687: learn: 0.0441860    total: 27.4s  remaining: 12.4s
688: learn: 0.0440959    total: 27.5s  remaining: 12.4s
689: learn: 0.0440276    total: 27.6s  remaining: 12.4s
690: learn: 0.0440209    total: 27.6s  remaining: 12.3s
691: learn: 0.0440149    total: 27.7s  remaining: 12.3s
692: learn: 0.0439192    total: 27.7s  remaining: 12.3s
693: learn: 0.0438157    total: 27.8s  remaining: 12.3s
694: learn: 0.0437414    total: 27.9s  remaining: 12.2s
695: learn: 0.0436663    total: 27.9s  remaining: 12.2s
696: learn: 0.0436062    total: 27.9s  remaining: 12.1s
697: learn: 0.0435999    total: 28s   remaining: 12.1s
698: learn: 0.0435262    total: 28s   remaining: 12.1s
699: learn: 0.0435128    total: 28.1s  remaining: 12s
700: learn: 0.0434400    total: 28.1s  remaining: 12s
701: learn: 0.0433618    total: 28.2s  remaining: 12s
702: learn: 0.0432826    total: 28.3s  remaining: 11.9s
703: learn: 0.0432155    total: 28.3s  remaining: 11.9s
704: learn: 0.0431665    total: 28.3s  remaining: 11.9s
705: learn: 0.0431042    total: 28.4s  remaining: 11.8s
706: learn: 0.0430476    total: 28.4s  remaining: 11.8s
707: learn: 0.0429922    total: 28.5s  remaining: 11.7s
708: learn: 0.0429380    total: 28.5s  remaining: 11.7s
709: learn: 0.0428866    total: 28.5s  remaining: 11.7s
710: learn: 0.0428562    total: 28.6s  remaining: 11.6s
711: learn: 0.0427571    total: 28.6s  remaining: 11.6s
712: learn: 0.0427035    total: 28.7s  remaining: 11.5s
713: learn: 0.0426464    total: 28.7s  remaining: 11.5s
714: learn: 0.0426081    total: 28.8s  remaining: 11.5s
715: learn: 0.0425663    total: 28.8s  remaining: 11.4s
716: learn: 0.0425587    total: 28.8s  remaining: 11.4s
717: learn: 0.0425207    total: 28.9s  remaining: 11.3s
718: learn: 0.0424728    total: 28.9s  remaining: 11.3s
719: learn: 0.0423775    total: 28.9s  remaining: 11.3s
720: learn: 0.0423171    total: 29s   remaining: 11.2s
721: learn: 0.0422647    total: 29s   remaining: 11.2s
722: learn: 0.0422148    total: 29s   remaining: 11.1s
723: learn: 0.0421487    total: 29.1s  remaining: 11.1s
724: learn: 0.0421094    total: 29.1s  remaining: 11.1s
725: learn: 0.0420408    total: 29.2s  remaining: 11s
726: learn: 0.0419813    total: 29.2s  remaining: 11s
727: learn: 0.0419599    total: 29.3s  remaining: 10.9s
728: learn: 0.0419067    total: 29.3s  remaining: 10.9s
729: learn: 0.0417837    total: 29.3s  remaining: 10.8s
730: learn: 0.0417266    total: 29.4s  remaining: 10.8s
731: learn: 0.0416756    total: 29.4s  remaining: 10.8s
732: learn: 0.0416349    total: 29.5s  remaining: 10.7s
733: learn: 0.0415677    total: 29.6s  remaining: 10.7s
734: learn: 0.0415123    total: 29.6s  remaining: 10.7s
735: learn: 0.0414538    total: 29.6s  remaining: 10.6s
736: learn: 0.0413414    total: 29.7s  remaining: 10.6s
737: learn: 0.0413046    total: 29.7s  remaining: 10.5s
738: learn: 0.0412466    total: 29.7s  remaining: 10.5s
739: learn: 0.0411885    total: 29.7s  remaining: 10.4s
740: learn: 0.0411080    total: 29.8s  remaining: 10.4s
741: learn: 0.0410624    total: 29.8s  remaining: 10.4s
742: learn: 0.0409861    total: 29.8s  remaining: 10.3s
743: learn: 0.0409821    total: 29.9s  remaining: 10.3s
744: learn: 0.0409346    total: 30s   remaining: 10.3s
745: learn: 0.0408699    total: 30.1s  remaining: 10.2s
746: learn: 0.0408305    total: 30.1s  remaining: 10.2s

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747: learn: 0.0407592    total: 30.1s  remaining: 10.1s
748: learn: 0.0407398    total: 30.2s  remaining: 10.1s
749: learn: 0.0407084    total: 30.2s  remaining: 10.1s
750: learn: 0.0406448    total: 30.3s  remaining: 10s
751: learn: 0.0405589    total: 30.3s  remaining: 9.99s
752: learn: 0.0404937    total: 30.3s  remaining: 9.94s
753: learn: 0.0404200    total: 30.3s  remaining: 9.9s
754: learn: 0.0403045    total: 30.4s  remaining: 9.85s
755: learn: 0.0402440    total: 30.4s  remaining: 9.8s
756: learn: 0.0402323    total: 30.4s  remaining: 9.76s
757: learn: 0.0401926    total: 30.4s  remaining: 9.71s
758: learn: 0.0401200    total: 30.5s  remaining: 9.67s
759: learn: 0.0400913    total: 30.5s  remaining: 9.62s
760: learn: 0.0400861    total: 30.5s  remaining: 9.58s
761: learn: 0.0400195    total: 30.5s  remaining: 9.53s
762: learn: 0.0399738    total: 30.6s  remaining: 9.49s
763: learn: 0.0399666    total: 30.6s  remaining: 9.44s
764: learn: 0.0398553    total: 30.6s  remaining: 9.4s
765: learn: 0.0398059    total: 30.6s  remaining: 9.36s
766: learn: 0.0397197    total: 30.7s  remaining: 9.31s
767: learn: 0.0396688    total: 30.7s  remaining: 9.27s
768: learn: 0.0396211    total: 30.7s  remaining: 9.23s
769: learn: 0.0395298    total: 30.8s  remaining: 9.19s
770: learn: 0.0394348    total: 30.8s  remaining: 9.15s
771: learn: 0.0393807    total: 30.8s  remaining: 9.1s
772: learn: 0.0393447    total: 30.8s  remaining: 9.05s
773: learn: 0.0392972    total: 30.9s  remaining: 9.03s
774: learn: 0.0392397    total: 30.9s  remaining: 8.98s
775: learn: 0.0392226    total: 31s   remaining: 8.94s
776: learn: 0.0392151    total: 31s   remaining: 8.9s
777: learn: 0.0392086    total: 31.1s  remaining: 8.86s
778: learn: 0.0391640    total: 31.1s  remaining: 8.82s
779: learn: 0.0390890    total: 31.1s  remaining: 8.78s
780: learn: 0.0390437    total: 31.2s  remaining: 8.74s
781: learn: 0.0389857    total: 31.2s  remaining: 8.69s
782: learn: 0.0389472    total: 31.2s  remaining: 8.65s
783: learn: 0.0389123    total: 31.3s  remaining: 8.61s
784: learn: 0.0388782    total: 31.3s  remaining: 8.57s
785: learn: 0.0388484    total: 31.3s  remaining: 8.53s
786: learn: 0.0387985    total: 31.4s  remaining: 8.5s
787: learn: 0.0387505    total: 31.4s  remaining: 8.45s
788: learn: 0.0387101    total: 31.5s  remaining: 8.41s
789: learn: 0.0386740    total: 31.5s  remaining: 8.37s
790: learn: 0.0386646    total: 31.5s  remaining: 8.32s
791: learn: 0.0386596    total: 31.5s  remaining: 8.27s
792: learn: 0.0386123    total: 31.5s  remaining: 8.23s
793: learn: 0.0386008    total: 31.5s  remaining: 8.18s
794: learn: 0.0385431    total: 31.6s  remaining: 8.15s
795: learn: 0.0384990    total: 31.7s  remaining: 8.12s

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/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages
sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `e
stimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(

```

```

641: learn: 0.0443552    total: 25.6s  remaining: 14.3s
642: learn: 0.0442660    total: 25.6s  remaining: 14.2s
643: learn: 0.0442370    total: 25.7s  remaining: 14.2s
644: learn: 0.0441766    total: 25.7s  remaining: 14.2s
645: learn: 0.0440913    total: 25.8s  remaining: 14.1s
646: learn: 0.0440054    total: 25.8s  remaining: 14.1s
647: learn: 0.0439413    total: 25.9s  remaining: 14s
648: learn: 0.0438866    total: 25.9s  remaining: 14s
649: learn: 0.0438464    total: 26s    remaining: 14s
650: learn: 0.0437439    total: 26s    remaining: 13.9s
651: learn: 0.0436350    total: 26.1s  remaining: 13.9s
652: learn: 0.0435386    total: 26.1s  remaining: 13.9s
653: learn: 0.0434838    total: 26.1s  remaining: 13.8s
654: learn: 0.0434410    total: 26.2s  remaining: 13.8s
655: learn: 0.0433914    total: 26.3s  remaining: 13.8s
656: learn: 0.0433315    total: 26.3s  remaining: 13.7s
657: learn: 0.0432363    total: 26.3s  remaining: 13.7s
658: learn: 0.0431576    total: 26.4s  remaining: 13.7s
659: learn: 0.0431165    total: 26.5s  remaining: 13.7s
660: learn: 0.0430188    total: 26.6s  remaining: 13.6s
661: learn: 0.0429333    total: 26.6s  remaining: 13.6s
662: learn: 0.0428799    total: 26.6s  remaining: 13.5s
663: learn: 0.0428310    total: 26.7s  remaining: 13.5s
664: learn: 0.0427719    total: 26.7s  remaining: 13.5s
665: learn: 0.0426828    total: 26.8s  remaining: 13.4s
666: learn: 0.0426510    total: 26.8s  remaining: 13.4s
667: learn: 0.0426138    total: 26.8s  remaining: 13.3s
668: learn: 0.0425703    total: 26.9s  remaining: 13.3s
669: learn: 0.0425027    total: 26.9s  remaining: 13.3s
670: learn: 0.0424470    total: 27s    remaining: 13.2s
671: learn: 0.0423966    total: 27.1s  remaining: 13.2s
672: learn: 0.0423191    total: 27.1s  remaining: 13.2s
673: learn: 0.0422556    total: 27.1s  remaining: 13.1s
674: learn: 0.0421944    total: 27.1s  remaining: 13.1s
675: learn: 0.0421226    total: 27.2s  remaining: 13s
676: learn: 0.0420530    total: 27.2s  remaining: 13s
677: learn: 0.0419844    total: 27.2s  remaining: 12.9s
678: learn: 0.0419017    total: 27.2s  remaining: 12.9s
679: learn: 0.0418610    total: 27.3s  remaining: 12.9s
680: learn: 0.0418097    total: 27.3s  remaining: 12.8s
681: learn: 0.0417524    total: 27.4s  remaining: 12.8s
682: learn: 0.0416886    total: 27.5s  remaining: 12.7s
683: learn: 0.0416107    total: 27.5s  remaining: 12.7s
684: learn: 0.0415144    total: 27.6s  remaining: 12.7s
685: learn: 0.0414347    total: 27.6s  remaining: 12.7s
686: learn: 0.0413914    total: 27.7s  remaining: 12.6s
687: learn: 0.0413042    total: 27.7s  remaining: 12.6s
688: learn: 0.0412331    total: 27.8s  remaining: 12.6s
689: learn: 0.0411415    total: 27.8s  remaining: 12.5s
690: learn: 0.0410809    total: 27.9s  remaining: 12.5s
691: learn: 0.0410258    total: 28s    remaining: 12.4s
692: learn: 0.0409453    total: 28s    remaining: 12.4s
693: learn: 0.0408739    total: 28s    remaining: 12.3s
694: learn: 0.0407993    total: 28s    remaining: 12.3s
695: learn: 0.0407246    total: 28.1s  remaining: 12.3s
696: learn: 0.0407051    total: 28.1s  remaining: 12.2s
697: learn: 0.0406381    total: 28.1s  remaining: 12.2s
698: learn: 0.0405892    total: 28.1s  remaining: 12.1s
699: learn: 0.0405378    total: 28.2s  remaining: 12.1s
700: learn: 0.0404793    total: 28.2s  remaining: 12s
701: learn: 0.0404458    total: 28.3s  remaining: 12s
702: learn: 0.0403598    total: 28.3s  remaining: 11.9s
703: learn: 0.0403001    total: 28.3s  remaining: 11.9s
704: learn: 0.0402303    total: 28.3s  remaining: 11.9s

```

705:	learn: 0.0401954	total: 28.4s	remaining: 11.8s
706:	learn: 0.0401338	total: 28.5s	remaining: 11.8s
707:	learn: 0.0400944	total: 28.5s	remaining: 11.7s
708:	learn: 0.0400479	total: 28.5s	remaining: 11.7s
709:	learn: 0.0399788	total: 28.6s	remaining: 11.7s
710:	learn: 0.0399189	total: 28.6s	remaining: 11.6s
711:	learn: 0.0398599	total: 28.7s	remaining: 11.6s
712:	learn: 0.0398167	total: 28.7s	remaining: 11.6s
713:	learn: 0.0397592	total: 28.7s	remaining: 11.5s
714:	learn: 0.0397071	total: 28.7s	remaining: 11.5s
715:	learn: 0.0396450	total: 28.8s	remaining: 11.4s
716:	learn: 0.0395934	total: 28.8s	remaining: 11.4s
717:	learn: 0.0395609	total: 28.8s	remaining: 11.3s
718:	learn: 0.0394842	total: 28.8s	remaining: 11.3s
719:	learn: 0.0394390	total: 28.9s	remaining: 11.2s
720:	learn: 0.0393836	total: 28.9s	remaining: 11.2s
721:	learn: 0.0393276	total: 29s	remaining: 11.1s
722:	learn: 0.0392632	total: 29s	remaining: 11.1s
723:	learn: 0.0392028	total: 29s	remaining: 11.1s
724:	learn: 0.0391511	total: 29s	remaining: 11s
725:	learn: 0.0391023	total: 29.1s	remaining: 11s
726:	learn: 0.0390231	total: 29.1s	remaining: 10.9s
727:	learn: 0.0389462	total: 29.2s	remaining: 10.9s
728:	learn: 0.0388970	total: 29.2s	remaining: 10.9s
729:	learn: 0.0388382	total: 29.2s	remaining: 10.8s
730:	learn: 0.0388069	total: 29.3s	remaining: 10.8s
731:	learn: 0.0387106	total: 29.3s	remaining: 10.7s
732:	learn: 0.0386776	total: 29.3s	remaining: 10.7s
733:	learn: 0.0386057	total: 29.4s	remaining: 10.7s
734:	learn: 0.0385616	total: 29.4s	remaining: 10.6s
735:	learn: 0.0385100	total: 29.5s	remaining: 10.6s
736:	learn: 0.0384525	total: 29.5s	remaining: 10.5s
737:	learn: 0.0383888	total: 29.6s	remaining: 10.5s
738:	learn: 0.0383676	total: 29.6s	remaining: 10.5s
739:	learn: 0.0382959	total: 29.7s	remaining: 10.4s
740:	learn: 0.0382581	total: 29.7s	remaining: 10.4s
741:	learn: 0.0382399	total: 29.7s	remaining: 10.3s
742:	learn: 0.0381523	total: 29.7s	remaining: 10.3s
743:	learn: 0.0381172	total: 29.7s	remaining: 10.2s
744:	learn: 0.0380787	total: 29.8s	remaining: 10.2s
745:	learn: 0.0380150	total: 29.8s	remaining: 10.1s
746:	learn: 0.0379342	total: 29.8s	remaining: 10.1s
747:	learn: 0.0378693	total: 29.9s	remaining: 10.1s
748:	learn: 0.0378290	total: 29.9s	remaining: 10s
749:	learn: 0.0377970	total: 29.9s	remaining: 9.98s
750:	learn: 0.0377349	total: 30s	remaining: 9.93s
751:	learn: 0.0376556	total: 30s	remaining: 9.9s
752:	learn: 0.0376266	total: 30.1s	remaining: 9.86s
753:	learn: 0.0375989	total: 30.1s	remaining: 9.81s
754:	learn: 0.0375676	total: 30.1s	remaining: 9.78s
755:	learn: 0.0375206	total: 30.2s	remaining: 9.74s
756:	learn: 0.0374719	total: 30.2s	remaining: 9.7s
757:	learn: 0.0373999	total: 30.2s	remaining: 9.65s
758:	learn: 0.0373473	total: 30.3s	remaining: 9.61s
759:	learn: 0.0373034	total: 30.3s	remaining: 9.56s
760:	learn: 0.0372733	total: 30.3s	remaining: 9.52s
761:	learn: 0.0372345	total: 30.3s	remaining: 9.47s
762:	learn: 0.0372032	total: 30.4s	remaining: 9.43s
763:	learn: 0.0371559	total: 30.4s	remaining: 9.38s
764:	learn: 0.0371259	total: 30.4s	remaining: 9.34s
765:	learn: 0.0370622	total: 30.4s	remaining: 9.29s
766:	learn: 0.0370132	total: 30.5s	remaining: 9.26s
767:	learn: 0.0369660	total: 30.5s	remaining: 9.22s
768:	learn: 0.0368920	total: 30.6s	remaining: 9.19s

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769: learn: 0.0368514      total: 30.6s  remaining: 9.14s
770: learn: 0.0367585      total: 30.6s  remaining: 9.09s
771: learn: 0.0367301      total: 30.7s  remaining: 9.05s
772: learn: 0.0367101      total: 30.7s  remaining: 9.01s
773: learn: 0.0366539      total: 30.8s  remaining: 8.98s
774: learn: 0.0366322      total: 30.8s  remaining: 8.94s
775: learn: 0.0365842      total: 30.8s  remaining: 8.9s
776: learn: 0.0365273      total: 30.8s  remaining: 8.85s
777: learn: 0.0365002      total: 30.8s  remaining: 8.8s
778: learn: 0.0364573      total: 30.8s  remaining: 8.75s
779: learn: 0.0364094      total: 30.9s  remaining: 8.71s
780: learn: 0.0363742      total: 30.9s  remaining: 8.66s
781: learn: 0.0363366      total: 30.9s  remaining: 8.63s
782: learn: 0.0362620      total: 31s    remaining: 8.58s
783: learn: 0.0362163      total: 31s    remaining: 8.54s
784: learn: 0.0362028      total: 31s    remaining: 8.49s
785: learn: 0.0361696      total: 31s    remaining: 8.45s
786: learn: 0.0361433      total: 31.1s  remaining: 8.41s
787: learn: 0.0361280      total: 31.1s  remaining: 8.37s
788: learn: 0.0360681      total: 31.2s  remaining: 8.34s
789: learn: 0.0359980      total: 31.2s  remaining: 8.3s
790: learn: 0.0359491      total: 31.2s  remaining: 8.26s
791: learn: 0.0359151      total: 31.3s  remaining: 8.23s
792: learn: 0.0358408      total: 31.3s  remaining: 8.18s
793: learn: 0.0357911      total: 31.4s  remaining: 8.14s
794: learn: 0.0357406      total: 31.4s  remaining: 8.1s
795: learn: 0.0357275      total: 31.4s  remaining: 8.06s
796: learn: 0.0356720      total: 31.4s  remaining: 8.01s
797: learn: 0.0356052      total: 31.5s  remaining: 7.96s
798: learn: 0.0355631      total: 31.5s  remaining: 7.93s
797: learn: 0.0323100      total: 29.5s  remaining: 7.46s
798: learn: 0.0323064      total: 29.5s  remaining: 7.42s
799: learn: 0.0322850      total: 29.5s  remaining: 7.38s
800: learn: 0.0322452      total: 29.6s  remaining: 7.34s
801: learn: 0.0321969      total: 29.6s  remaining: 7.3s
802: learn: 0.0321563      total: 29.6s  remaining: 7.26s
803: learn: 0.0321117      total: 29.6s  remaining: 7.22s
804: learn: 0.0320425      total: 29.7s  remaining: 7.18s
805: learn: 0.0320030      total: 29.7s  remaining: 7.14s
806: learn: 0.0319806      total: 29.7s  remaining: 7.11s
807: learn: 0.0319434      total: 29.9s  remaining: 7.1s
808: learn: 0.0318712      total: 29.9s  remaining: 7.06s
809: learn: 0.0318239      total: 29.9s  remaining: 7.01s
810: learn: 0.0318205      total: 30s    remaining: 6.98s
811: learn: 0.0317913      total: 30s    remaining: 6.94s
812: learn: 0.0317614      total: 30s    remaining: 6.91s
813: learn: 0.0317265      total: 30.1s  remaining: 6.87s
814: learn: 0.0316977      total: 30.1s  remaining: 6.84s
815: learn: 0.0316330      total: 30.2s  remaining: 6.8s
816: learn: 0.0315838      total: 30.2s  remaining: 6.77s
817: learn: 0.0315432      total: 30.3s  remaining: 6.75s
818: learn: 0.0315229      total: 30.4s  remaining: 6.71s
819: learn: 0.0314803      total: 30.4s  remaining: 6.67s
820: learn: 0.0314049      total: 30.4s  remaining: 6.63s
821: learn: 0.0313524      total: 30.5s  remaining: 6.6s
822: learn: 0.0313328      total: 30.5s  remaining: 6.56s
823: learn: 0.0312994      total: 30.5s  remaining: 6.52s
824: learn: 0.0312874      total: 30.5s  remaining: 6.48s
825: learn: 0.0312531      total: 30.6s  remaining: 6.45s
826: learn: 0.0311619      total: 30.6s  remaining: 6.41s
827: learn: 0.0311260      total: 30.7s  remaining: 6.37s
828: learn: 0.0310879      total: 30.7s  remaining: 6.33s
829: learn: 0.0310228      total: 30.7s  remaining: 6.29s
830: learn: 0.0309450      total: 30.8s  remaining: 6.26s

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831: learn: 0.0309196      total: 30.8s    remaining: 6.21s
832: learn: 0.0308591      total: 30.8s    remaining: 6.17s
833: learn: 0.0308156      total: 30.8s    remaining: 6.13s
834: learn: 0.0308010      total: 30.9s    remaining: 6.1s
835: learn: 0.0307843      total: 30.9s    remaining: 6.06s
836: learn: 0.0307514      total: 30.9s    remaining: 6.01s
837: learn: 0.0307242      total: 30.9s    remaining: 5.98s
838: learn: 0.0306712      total: 31s      remaining: 5.94s
839: learn: 0.0306568      total: 31s      remaining: 5.9s
840: learn: 0.0306069      total: 31s      remaining: 5.87s
841: learn: 0.0305576      total: 31s      remaining: 5.82s
842: learn: 0.0305245      total: 31.1s    remaining: 5.78s
843: learn: 0.0304705      total: 31.1s    remaining: 5.74s
844: learn: 0.0304293      total: 31.1s    remaining: 5.7s
845: learn: 0.0304079      total: 31.1s    remaining: 5.66s
846: learn: 0.0303653      total: 31.1s    remaining: 5.62s
847: learn: 0.0303079      total: 31.2s    remaining: 5.58s
848: learn: 0.0302683      total: 31.2s    remaining: 5.54s
849: learn: 0.0302606      total: 31.2s    remaining: 5.51s
850: learn: 0.0302045      total: 31.3s    remaining: 5.47s
851: learn: 0.0301559      total: 31.3s    remaining: 5.44s
852: learn: 0.0301039      total: 31.3s    remaining: 5.4s
853: learn: 0.0300923      total: 31.3s    remaining: 5.36s
854: learn: 0.0300597      total: 31.4s    remaining: 5.32s
855: learn: 0.0300535      total: 31.4s    remaining: 5.28s
856: learn: 0.0300070      total: 31.4s    remaining: 5.24s
857: learn: 0.0299406      total: 31.4s    remaining: 5.2s
858: learn: 0.0299187      total: 31.4s    remaining: 5.16s
859: learn: 0.0298707      total: 31.5s    remaining: 5.13s
860: learn: 0.0298243      total: 31.5s    remaining: 5.09s
861: learn: 0.0297900      total: 31.5s    remaining: 5.05s
862: learn: 0.0297595      total: 31.6s    remaining: 5.01s
863: learn: 0.0296938      total: 31.6s    remaining: 4.97s
864: learn: 0.0296384      total: 31.7s    remaining: 4.94s
865: learn: 0.0295629      total: 31.7s    remaining: 4.9s
866: learn: 0.0295102      total: 31.7s    remaining: 4.87s
867: learn: 0.0294694      total: 31.7s    remaining: 4.83s
868: learn: 0.0294371      total: 31.8s    remaining: 4.79s
869: learn: 0.0293887      total: 31.8s    remaining: 4.75s
870: learn: 0.0293568      total: 31.8s    remaining: 4.71s
871: learn: 0.0293154      total: 31.9s    remaining: 4.68s
872: learn: 0.0292683      total: 31.9s    remaining: 4.64s
873: learn: 0.0292486      total: 31.9s    remaining: 4.6s
874: learn: 0.0292305      total: 32s      remaining: 4.57s
875: learn: 0.0291868      total: 32s      remaining: 4.53s
876: learn: 0.0291268      total: 32s      remaining: 4.49s
877: learn: 0.0291243      total: 32.2s   remaining: 4.47s
878: learn: 0.0290637      total: 32.2s   remaining: 4.44s
879: learn: 0.0290082      total: 32.3s   remaining: 4.4s
880: learn: 0.0289486      total: 32.4s   remaining: 4.37s
881: learn: 0.0289037      total: 32.4s   remaining: 4.34s
882: learn: 0.0288921      total: 32.5s   remaining: 4.3s
883: learn: 0.0288496      total: 32.5s   remaining: 4.27s
884: learn: 0.0288291      total: 32.5s   remaining: 4.23s
885: learn: 0.0287832      total: 32.6s   remaining: 4.19s
886: learn: 0.0287335      total: 32.6s   remaining: 4.16s
887: learn: 0.0286755      total: 32.7s   remaining: 4.12s
888: learn: 0.0286378      total: 32.7s   remaining: 4.08s
889: learn: 0.0286055      total: 32.7s   remaining: 4.04s
890: learn: 0.0285920      total: 32.7s   remaining: 4s
891: learn: 0.0285186      total: 32.8s   remaining: 3.96s
892: learn: 0.0284899      total: 32.8s   remaining: 3.92s
893: learn: 0.0284416      total: 32.8s   remaining: 3.88s
894: learn: 0.0283772      total: 32.8s   remaining: 3.85s

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895: learn: 0.0283181      total: 32.8s  remaining: 3.81s
896: learn: 0.0282761      total: 32.9s  remaining: 3.77s
897: learn: 0.0282489      total: 32.9s  remaining: 3.74s
898: learn: 0.0281998      total: 33s    remaining: 3.7s
899: learn: 0.0281757      total: 33s    remaining: 3.67s
900: learn: 0.0281321      total: 33s    remaining: 3.63s
901: learn: 0.0281011      total: 33.1s  remaining: 3.59s
902: learn: 0.0280750      total: 33.1s  remaining: 3.55s
903: learn: 0.0280406      total: 33.1s  remaining: 3.52s
904: learn: 0.0280023      total: 33.1s  remaining: 3.48s
905: learn: 0.0279516      total: 33.2s  remaining: 3.44s
906: learn: 0.0279113      total: 33.2s  remaining: 3.4s
907: learn: 0.0278747      total: 33.2s  remaining: 3.36s
908: learn: 0.0278508      total: 33.2s  remaining: 3.32s
909: learn: 0.0278081      total: 33.2s  remaining: 3.29s
910: learn: 0.0277712      total: 33.2s  remaining: 3.25s
911: learn: 0.0277223      total: 33.3s  remaining: 3.21s
912: learn: 0.0276919      total: 33.3s  remaining: 3.17s
913: learn: 0.0276729      total: 33.3s  remaining: 3.14s
914: learn: 0.0276704      total: 33.4s  remaining: 3.1s
915: learn: 0.0276294      total: 33.4s  remaining: 3.06s
916: learn: 0.0275977      total: 33.5s  remaining: 3.03s
917: learn: 0.0275763      total: 33.5s  remaining: 2.99s
918: learn: 0.0275155      total: 33.5s  remaining: 2.96s
919: learn: 0.0274865      total: 33.5s  remaining: 2.92s
920: learn: 0.0274462      total: 33.6s  remaining: 2.88s
921: learn: 0.0274000      total: 33.6s  remaining: 2.84s
922: learn: 0.0273731      total: 33.7s  remaining: 2.81s
923: learn: 0.0273149      total: 33.7s  remaining: 2.77s
924: learn: 0.0272923      total: 33.8s  remaining: 2.74s
925: learn: 0.0272570      total: 33.8s  remaining: 2.7s
926: learn: 0.0272237      total: 33.8s  remaining: 2.66s
927: learn: 0.0271972      total: 33.9s  remaining: 2.63s
928: learn: 0.0271544      total: 33.9s  remaining: 2.59s
929: learn: 0.0271231      total: 33.9s  remaining: 2.55s
930: learn: 0.0271036      total: 33.9s  remaining: 2.52s
931: learn: 0.0270582      total: 34s    remaining: 2.48s
932: learn: 0.0270356      total: 34s    remaining: 2.44s
933: learn: 0.0270006      total: 34s    remaining: 2.4s
934: learn: 0.0269686      total: 34s    remaining: 2.36s
935: learn: 0.0269376      total: 34s    remaining: 2.32s
936: learn: 0.0268914      total: 34s    remaining: 2.28s
937: learn: 0.0268545      total: 34s    remaining: 2.25s
938: learn: 0.0268305      total: 34s    remaining: 2.21s
939: learn: 0.0267850      total: 34s    remaining: 2.17s
940: learn: 0.0267523      total: 34s    remaining: 2.13s
941: learn: 0.0267265      total: 34s    remaining: 2.09s
942: learn: 0.0266869      total: 34s    remaining: 2.06s
943: learn: 0.0266607      total: 34s    remaining: 2.02s
944: learn: 0.0266101      total: 34s    remaining: 1.98s
945: learn: 0.0266036      total: 34s    remaining: 1.94s
946: learn: 0.0265788      total: 34s    remaining: 1.9s
947: learn: 0.0265320      total: 34.1s  remaining: 1.87s
948: learn: 0.0264882      total: 34.1s  remaining: 1.83s
949: learn: 0.0264500      total: 34.1s  remaining: 1.79s
950: learn: 0.0264412      total: 34.1s  remaining: 1.76s
951: learn: 0.0264149      total: 34.2s  remaining: 1.72s
952: learn: 0.0263723      total: 34.2s  remaining: 1.69s
953: learn: 0.0263203      total: 34.3s  remaining: 1.65s
954: learn: 0.0262951      total: 34.3s  remaining: 1.61s
955: learn: 0.0262590      total: 34.3s  remaining: 1.58s
987: learn: 6199.0624627    total: 10.9s  remaining: 133ms
988: learn: 6192.8944194    total: 10.9s  remaining: 122ms
989: learn: 6186.0386543    total: 10.9s  remaining: 110ms

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990: learn: 6180.1004922      total: 10.9s    remaining: 99.3ms
991: learn: 6168.3956840      total: 10.9s    remaining: 88.2ms
992: learn: 6163.5183404      total: 10.9s    remaining: 77.1ms
993: learn: 6155.0980547      total: 10.9s    remaining: 66ms
994: learn: 6148.7216409      total: 10.9s    remaining: 55ms
995: learn: 6140.8083292      total: 10.9s    remaining: 44ms
996: learn: 6137.5357278      total: 10.9s    remaining: 33ms
997: learn: 6133.3755491      total: 11s      remaining: 21.9ms
998: learn: 6127.2488252      total: 11s      remaining: 11ms
999: learn: 6116.3246633      total: 11s      remaining: 0us
800: learn: 0.0335711        total: 30.8s   remaining: 7.64s
801: learn: 0.0335268        total: 30.9s   remaining: 7.63s
802: learn: 0.0334764        total: 30.9s   remaining: 7.58s
803: learn: 0.0334256        total: 30.9s   remaining: 7.54s
804: learn: 0.0333989        total: 31s     remaining: 7.5s
805: learn: 0.0333682        total: 31s     remaining: 7.47s
806: learn: 0.0333597        total: 31.1s   remaining: 7.43s
807: learn: 0.0333008        total: 31.1s   remaining: 7.38s
808: learn: 0.0332801        total: 31.2s   remaining: 7.35s
809: learn: 0.0332097        total: 31.2s   remaining: 7.31s
810: learn: 0.0331626        total: 31.2s   remaining: 7.27s
811: learn: 0.0330936        total: 31.2s   remaining: 7.22s
812: learn: 0.0330421        total: 31.2s   remaining: 7.18s
813: learn: 0.0330333        total: 31.3s   remaining: 7.15s
814: learn: 0.0330180        total: 31.3s   remaining: 7.11s
815: learn: 0.0329726        total: 31.4s   remaining: 7.08s
816: learn: 0.0329165        total: 31.4s   remaining: 7.04s
817: learn: 0.0328619        total: 31.5s   remaining: 7s
818: learn: 0.0328095        total: 31.5s   remaining: 6.97s
819: learn: 0.0327534        total: 31.5s   remaining: 6.92s
820: learn: 0.0326956        total: 31.6s   remaining: 6.88s
821: learn: 0.0326343        total: 31.6s   remaining: 6.84s
822: learn: 0.0325823        total: 31.6s   remaining: 6.8s
823: learn: 0.0325224        total: 31.6s   remaining: 6.76s
824: learn: 0.0324859        total: 31.7s   remaining: 6.72s
825: learn: 0.0324244        total: 31.7s   remaining: 6.68s
826: learn: 0.0323960        total: 31.8s   remaining: 6.64s
827: learn: 0.0323530        total: 31.9s   remaining: 6.62s
828: learn: 0.0323032        total: 31.9s   remaining: 6.58s
829: learn: 0.0322982        total: 31.9s   remaining: 6.53s
830: learn: 0.0322513        total: 32s     remaining: 6.5s
831: learn: 0.0321983        total: 32s     remaining: 6.46s
832: learn: 0.0321604        total: 32s     remaining: 6.42s
833: learn: 0.0321218        total: 32.1s   remaining: 6.39s
834: learn: 0.0320707        total: 32.1s   remaining: 6.35s
835: learn: 0.0320284        total: 32.2s   remaining: 6.31s
836: learn: 0.0319730        total: 32.2s   remaining: 6.28s
837: learn: 0.0319390        total: 32.3s   remaining: 6.24s
838: learn: 0.0318739        total: 32.3s   remaining: 6.2s
839: learn: 0.0318456        total: 32.3s   remaining: 6.16s
840: learn: 0.0318136        total: 32.4s   remaining: 6.12s
841: learn: 0.0317828        total: 32.4s   remaining: 6.08s
842: learn: 0.0317241        total: 32.4s   remaining: 6.04s
843: learn: 0.0316752        total: 32.5s   remaining: 6s
844: learn: 0.0316339        total: 32.5s   remaining: 5.96s
845: learn: 0.0315824        total: 32.5s   remaining: 5.92s
846: learn: 0.0315320        total: 32.5s   remaining: 5.88s
847: learn: 0.0314931        total: 32.5s   remaining: 5.83s
848: learn: 0.0314723        total: 32.7s   remaining: 5.81s
849: learn: 0.0314444        total: 32.7s   remaining: 5.76s
850: learn: 0.0314115        total: 32.7s   remaining: 5.72s
851: learn: 0.0313863        total: 32.7s   remaining: 5.68s
852: learn: 0.0313131        total: 32.8s   remaining: 5.65s
853: learn: 0.0312739        total: 32.8s   remaining: 5.61s

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854: learn: 0.0312296    total: 32.9s  remaining: 5.57s
855: learn: 0.0312194    total: 32.9s  remaining: 5.53s
856: learn: 0.0311668    total: 32.9s  remaining: 5.49s
857: learn: 0.0311233    total: 33s   remaining: 5.46s
858: learn: 0.0310750    total: 33s   remaining: 5.41s
859: learn: 0.0310419    total: 33s   remaining: 5.37s
860: learn: 0.0310000    total: 33s   remaining: 5.33s
861: learn: 0.0309478    total: 33.1s  remaining: 5.29s
862: learn: 0.0309118    total: 33.1s  remaining: 5.25s
863: learn: 0.0309027    total: 33.1s  remaining: 5.21s
864: learn: 0.0308682    total: 33.1s  remaining: 5.17s
865: learn: 0.0308292    total: 33.2s  remaining: 5.13s
866: learn: 0.0307967    total: 33.2s  remaining: 5.09s
867: learn: 0.0307494    total: 33.2s  remaining: 5.05s
868: learn: 0.0307467    total: 33.2s  remaining: 5.01s
869: learn: 0.0307215    total: 33.3s  remaining: 4.97s
870: learn: 0.0306803    total: 33.3s  remaining: 4.93s
871: learn: 0.0306748    total: 33.3s  remaining: 4.88s
872: learn: 0.0306154    total: 33.3s  remaining: 4.85s
873: learn: 0.0305710    total: 33.4s  remaining: 4.81s
874: learn: 0.0305342    total: 33.4s  remaining: 4.77s
875: learn: 0.0304992    total: 33.4s  remaining: 4.73s
876: learn: 0.0304696    total: 33.5s  remaining: 4.69s
877: learn: 0.0304363    total: 33.5s  remaining: 4.65s
878: learn: 0.0304312    total: 33.5s  remaining: 4.61s
879: learn: 0.0303630    total: 33.5s  remaining: 4.57s
880: learn: 0.0303007    total: 33.6s  remaining: 4.54s
881: learn: 0.0302548    total: 33.6s  remaining: 4.5s
882: learn: 0.0302134    total: 33.7s  remaining: 4.46s
883: learn: 0.0301732    total: 33.7s  remaining: 4.42s
884: learn: 0.0301415    total: 33.7s  remaining: 4.38s
885: learn: 0.0300846    total: 33.8s  remaining: 4.34s
886: learn: 0.0300390    total: 33.8s  remaining: 4.31s
887: learn: 0.0299979    total: 33.9s  remaining: 4.27s
888: learn: 0.0299612    total: 33.9s  remaining: 4.23s
889: learn: 0.0299328    total: 33.9s  remaining: 4.2s
890: learn: 0.0299301    total: 34s   remaining: 4.16s
891: learn: 0.0298986    total: 34s   remaining: 4.12s
892: learn: 0.0298626    total: 34s   remaining: 4.07s
893: learn: 0.0298368    total: 34.1s  remaining: 4.04s
894: learn: 0.0298194    total: 34.1s  remaining: 4s
895: learn: 0.0297876    total: 34.1s  remaining: 3.96s
896: learn: 0.0297383    total: 34.2s  remaining: 3.92s
897: learn: 0.0296793    total: 34.2s  remaining: 3.88s
898: learn: 0.0296281    total: 34.2s  remaining: 3.85s
899: learn: 0.0295874    total: 34.3s  remaining: 3.81s
900: learn: 0.0295845    total: 34.3s  remaining: 3.77s
901: learn: 0.0295326    total: 34.3s  remaining: 3.73s
902: learn: 0.0294728    total: 34.4s  remaining: 3.69s
903: learn: 0.0294220    total: 34.4s  remaining: 3.65s
904: learn: 0.0293957    total: 34.4s  remaining: 3.62s
905: learn: 0.0293784    total: 34.5s  remaining: 3.57s
906: learn: 0.0293201    total: 34.5s  remaining: 3.53s
907: learn: 0.0292667    total: 34.5s  remaining: 3.49s
908: learn: 0.0292245    total: 34.5s  remaining: 3.46s
909: learn: 0.0291709    total: 34.6s  remaining: 3.42s
910: learn: 0.0291356    total: 34.6s  remaining: 3.38s
911: learn: 0.0290918    total: 34.6s  remaining: 3.34s
912: learn: 0.0290606    total: 34.7s  remaining: 3.31s
913: learn: 0.0290468    total: 34.8s  remaining: 3.27s
914: learn: 0.0290155    total: 34.8s  remaining: 3.23s
915: learn: 0.0289542    total: 34.9s  remaining: 3.2s
916: learn: 0.0289149    total: 34.9s  remaining: 3.16s
917: learn: 0.0289113    total: 35s   remaining: 3.13s

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918: learn: 0.0288685      total: 35s      remaining: 3.09s
919: learn: 0.0288216      total: 35.1s     remaining: 3.05s
920: learn: 0.0287799      total: 35.2s     remaining: 3.02s
921: learn: 0.0287327      total: 35.2s     remaining: 2.98s
922: learn: 0.0286940      total: 35.2s     remaining: 2.94s
923: learn: 0.0286533      total: 35.4s     remaining: 2.91s
924: learn: 0.0286255      total: 35.4s     remaining: 2.87s
925: learn: 0.0285834      total: 35.4s     remaining: 2.83s
926: learn: 0.0285312      total: 35.4s     remaining: 2.79s
927: learn: 0.0285099      total: 35.5s     remaining: 2.75s
928: learn: 0.0284779      total: 35.5s     remaining: 2.71s
929: learn: 0.0284455      total: 35.5s     remaining: 2.67s
930: learn: 0.0283861      total: 35.5s     remaining: 2.63s
931: learn: 0.0283493      total: 35.5s     remaining: 2.59s
932: learn: 0.0283289      total: 35.6s     remaining: 2.55s
933: learn: 0.0282936      total: 35.6s     remaining: 2.51s
934: learn: 0.0282541      total: 35.6s     remaining: 2.47s
935: learn: 0.0282308      total: 35.6s     remaining: 2.44s
936: learn: 0.0282155      total: 35.7s     remaining: 2.4s
937: learn: 0.0281810      total: 35.8s     remaining: 2.36s
938: learn: 0.0281461      total: 35.8s     remaining: 2.33s
939: learn: 0.0281327      total: 35.9s     remaining: 2.29s
940: learn: 0.0280898      total: 35.9s     remaining: 2.25s
941: learn: 0.0280630      total: 36s       remaining: 2.21s
942: learn: 0.0280291      total: 36s       remaining: 2.18s
943: learn: 0.0279957      total: 36s       remaining: 2.14s
944: learn: 0.0279695      total: 36.1s    remaining: 2.1s
945: learn: 0.0279390      total: 36.1s    remaining: 2.06s
946: learn: 0.0278944      total: 36.1s    remaining: 2.02s
947: learn: 0.0278453      total: 36.2s    remaining: 1.99s
948: learn: 0.0277980      total: 36.2s    remaining: 1.95s
949: learn: 0.0277596      total: 36.2s    remaining: 1.91s
950: learn: 0.0277572      total: 36.3s    remaining: 1.87s
951: learn: 0.0277244      total: 36.3s    remaining: 1.83s
952: learn: 0.0276968      total: 36.4s    remaining: 1.79s
953: learn: 0.0276618      total: 36.4s    remaining: 1.75s
954: learn: 0.0276263      total: 36.4s    remaining: 1.71s
955: learn: 0.0275977      total: 36.4s    remaining: 1.68s
956: learn: 0.0275673      total: 36.5s    remaining: 1.64s
957: learn: 0.0275393      total: 36.5s    remaining: 1.6s
584: learn: 0.0538399      total: 26.4s    remaining: 18.8s
585: learn: 0.0537693      total: 26.5s    remaining: 18.7s
586: learn: 0.0537636      total: 26.5s    remaining: 18.7s
587: learn: 0.0536927      total: 26.5s    remaining: 18.6s
588: learn: 0.0536334      total: 26.6s    remaining: 18.5s
589: learn: 0.0535668      total: 26.6s    remaining: 18.5s
590: learn: 0.0535284      total: 26.6s    remaining: 18.4s
591: learn: 0.0534621      total: 26.6s    remaining: 18.3s
592: learn: 0.0533396      total: 26.6s    remaining: 18.3s
593: learn: 0.0533346      total: 26.6s    remaining: 18.2s
594: learn: 0.0532926      total: 26.6s    remaining: 18.1s
595: learn: 0.0531903      total: 26.6s    remaining: 18.1s
596: learn: 0.0530979      total: 26.8s    remaining: 18.1s
597: learn: 0.0530324      total: 26.9s    remaining: 18.1s
598: learn: 0.0530264      total: 26.9s    remaining: 18s
599: learn: 0.0529524      total: 27s      remaining: 18s
600: learn: 0.0529035      total: 27s      remaining: 17.9s
601: learn: 0.0528315      total: 27.1s     remaining: 17.9s
602: learn: 0.0527289      total: 27.1s     remaining: 17.8s
603: learn: 0.0526298      total: 27.1s     remaining: 17.8s
604: learn: 0.0526062      total: 27.1s     remaining: 17.7s
605: learn: 0.0525593      total: 27.2s     remaining: 17.7s
606: learn: 0.0524827      total: 27.2s     remaining: 17.6s
607: learn: 0.0523469      total: 27.2s     remaining: 17.5s

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608:	learn: 0.0522891	total: 27.2s	remaining: 17.5s
609:	learn: 0.0521505	total: 27.2s	remaining: 17.4s
610:	learn: 0.0520508	total: 27.4s	remaining: 17.4s
611:	learn: 0.0519835	total: 27.5s	remaining: 17.4s
612:	learn: 0.0519183	total: 27.5s	remaining: 17.4s
613:	learn: 0.0518381	total: 27.6s	remaining: 17.3s
614:	learn: 0.0517955	total: 27.6s	remaining: 17.3s
615:	learn: 0.0516772	total: 27.6s	remaining: 17.2s
616:	learn: 0.0515853	total: 27.7s	remaining: 17.2s
617:	learn: 0.0515803	total: 27.8s	remaining: 17.2s
618:	learn: 0.0515156	total: 27.8s	remaining: 17.1s
619:	learn: 0.0514122	total: 27.8s	remaining: 17s
620:	learn: 0.0513188	total: 27.9s	remaining: 17s
621:	learn: 0.0511863	total: 27.9s	remaining: 16.9s
622:	learn: 0.0511050	total: 27.9s	remaining: 16.9s
623:	learn: 0.0510634	total: 28s	remaining: 16.9s
624:	learn: 0.0510208	total: 28s	remaining: 16.8s
625:	learn: 0.0509248	total: 28s	remaining: 16.7s
626:	learn: 0.0508646	total: 28s	remaining: 16.7s
627:	learn: 0.0508098	total: 28.1s	remaining: 16.6s
628:	learn: 0.0507627	total: 28.1s	remaining: 16.6s
629:	learn: 0.0507206	total: 28.1s	remaining: 16.5s
630:	learn: 0.0506153	total: 28.1s	remaining: 16.4s
631:	learn: 0.0505264	total: 28.2s	remaining: 16.4s
632:	learn: 0.0504661	total: 28.3s	remaining: 16.4s
633:	learn: 0.0503612	total: 28.3s	remaining: 16.3s
634:	learn: 0.0503560	total: 28.3s	remaining: 16.3s
635:	learn: 0.0502998	total: 28.3s	remaining: 16.2s
636:	learn: 0.0502445	total: 28.4s	remaining: 16.2s
637:	learn: 0.0501258	total: 28.4s	remaining: 16.1s
638:	learn: 0.0500852	total: 28.4s	remaining: 16s
639:	learn: 0.0500093	total: 28.4s	remaining: 16s
640:	learn: 0.0500049	total: 28.4s	remaining: 15.9s
641:	learn: 0.0499465	total: 28.4s	remaining: 15.8s
642:	learn: 0.0498624	total: 28.5s	remaining: 15.8s
643:	learn: 0.0497738	total: 28.5s	remaining: 15.7s
644:	learn: 0.0497125	total: 28.5s	remaining: 15.7s
645:	learn: 0.0496531	total: 28.5s	remaining: 15.6s
646:	learn: 0.0496024	total: 28.5s	remaining: 15.5s
647:	learn: 0.0495590	total: 28.5s	remaining: 15.5s
648:	learn: 0.0495063	total: 28.6s	remaining: 15.4s
649:	learn: 0.0495012	total: 28.6s	remaining: 15.4s
650:	learn: 0.0494470	total: 28.6s	remaining: 15.3s
651:	learn: 0.0493607	total: 28.7s	remaining: 15.3s
652:	learn: 0.0492848	total: 28.7s	remaining: 15.2s
653:	learn: 0.0492073	total: 28.7s	remaining: 15.2s
654:	learn: 0.0492002	total: 28.8s	remaining: 15.2s
655:	learn: 0.0491702	total: 28.8s	remaining: 15.1s
656:	learn: 0.0490918	total: 28.8s	remaining: 15.1s
657:	learn: 0.0490289	total: 28.9s	remaining: 15s
658:	learn: 0.0489445	total: 28.9s	remaining: 14.9s
659:	learn: 0.0488932	total: 28.9s	remaining: 14.9s
660:	learn: 0.0488190	total: 29s	remaining: 14.9s
661:	learn: 0.0487178	total: 29s	remaining: 14.8s
662:	learn: 0.0487129	total: 29s	remaining: 14.8s
663:	learn: 0.0486724	total: 29.1s	remaining: 14.7s
664:	learn: 0.0485849	total: 29.1s	remaining: 14.7s
665:	learn: 0.0485043	total: 29.2s	remaining: 14.6s
666:	learn: 0.0485002	total: 29.2s	remaining: 14.6s
667:	learn: 0.0484404	total: 29.3s	remaining: 14.5s
668:	learn: 0.0484358	total: 29.3s	remaining: 14.5s
669:	learn: 0.0483904	total: 29.4s	remaining: 14.5s
670:	learn: 0.0482905	total: 29.4s	remaining: 14.4s
671:	learn: 0.0482214	total: 29.4s	remaining: 14.4s

672:	learn: 0.0482150	total: 29.4s	remaining: 14.3s
673:	learn: 0.0481722	total: 29.4s	remaining: 14.2s
674:	learn: 0.0481112	total: 29.4s	remaining: 14.2s
675:	learn: 0.0480666	total: 29.5s	remaining: 14.1s
676:	learn: 0.0480273	total: 29.5s	remaining: 14.1s
677:	learn: 0.0479635	total: 29.5s	remaining: 14s
678:	learn: 0.0478967	total: 29.5s	remaining: 14s
679:	learn: 0.0477882	total: 29.5s	remaining: 13.9s
680:	learn: 0.0477492	total: 29.6s	remaining: 13.8s
681:	learn: 0.0476950	total: 29.6s	remaining: 13.8s
682:	learn: 0.0476378	total: 29.6s	remaining: 13.7s
683:	learn: 0.0475647	total: 29.6s	remaining: 13.7s
684:	learn: 0.0474729	total: 29.6s	remaining: 13.6s
685:	learn: 0.0474058	total: 29.6s	remaining: 13.5s
686:	learn: 0.0473401	total: 29.6s	remaining: 13.5s
687:	learn: 0.0472652	total: 29.6s	remaining: 13.4s
688:	learn: 0.0472609	total: 29.6s	remaining: 13.4s
689:	learn: 0.0472081	total: 29.6s	remaining: 13.3s
690:	learn: 0.0471330	total: 29.6s	remaining: 13.2s
691:	learn: 0.0470850	total: 29.6s	remaining: 13.2s
692:	learn: 0.0470419	total: 29.6s	remaining: 13.1s
693:	learn: 0.0470099	total: 29.6s	remaining: 13.1s
694:	learn: 0.0469615	total: 29.6s	remaining: 13s
695:	learn: 0.0468704	total: 29.6s	remaining: 12.9s
696:	learn: 0.0468048	total: 29.6s	remaining: 12.9s
697:	learn: 0.0467399	total: 29.6s	remaining: 12.8s
698:	learn: 0.0466731	total: 29.6s	remaining: 12.8s
699:	learn: 0.0466270	total: 29.7s	remaining: 12.7s
700:	learn: 0.0465932	total: 29.8s	remaining: 12.7s
701:	learn: 0.0465892	total: 29.8s	remaining: 12.7s
702:	learn: 0.0465237	total: 29.9s	remaining: 12.6s
703:	learn: 0.0464928	total: 29.9s	remaining: 12.6s
704:	learn: 0.0464580	total: 29.9s	remaining: 12.5s
705:	learn: 0.0464192	total: 29.9s	remaining: 12.5s
706:	learn: 0.0462934	total: 30s	remaining: 12.4s
707:	learn: 0.0461898	total: 30s	remaining: 12.4s
708:	learn: 0.0461088	total: 30.1s	remaining: 12.3s
709:	learn: 0.0460497	total: 30.1s	remaining: 12.3s
710:	learn: 0.0460096	total: 30.1s	remaining: 12.3s
711:	learn: 0.0458902	total: 30.2s	remaining: 12.2s
712:	learn: 0.0458869	total: 30.2s	remaining: 12.2s
713:	learn: 0.0458112	total: 30.2s	remaining: 12.1s
714:	learn: 0.0457810	total: 30.3s	remaining: 12.1s
715:	learn: 0.0457018	total: 30.4s	remaining: 12s
716:	learn: 0.0455657	total: 30.4s	remaining: 12s
717:	learn: 0.0455318	total: 30.4s	remaining: 12s
718:	learn: 0.0454972	total: 30.5s	remaining: 11.9s
719:	learn: 0.0454008	total: 30.5s	remaining: 11.9s
720:	learn: 0.0453792	total: 30.5s	remaining: 11.8s
721:	learn: 0.0452936	total: 30.6s	remaining: 11.8s
722:	learn: 0.0452388	total: 30.6s	remaining: 11.7s
723:	learn: 0.0451815	total: 30.6s	remaining: 11.7s
724:	learn: 0.0451202	total: 30.7s	remaining: 11.7s
725:	learn: 0.0450481	total: 30.8s	remaining: 11.6s
726:	learn: 0.0449741	total: 30.8s	remaining: 11.6s
727:	learn: 0.0449034	total: 30.9s	remaining: 11.5s
728:	learn: 0.0448192	total: 30.9s	remaining: 11.5s
729:	learn: 0.0447928	total: 31s	remaining: 11.5s
730:	learn: 0.0447896	total: 31s	remaining: 11.4s
731:	learn: 0.0447434	total: 31s	remaining: 11.4s
732:	learn: 0.0447396	total: 31.1s	remaining: 11.3s
733:	learn: 0.0446942	total: 31.2s	remaining: 11.3s
734:	learn: 0.0446397	total: 31.3s	remaining: 11.3s
735:	learn: 0.0446013	total: 31.3s	remaining: 11.2s

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736: learn: 0.0445230    total: 31.3s  remaining: 11.2s
737: learn: 0.0444666    total: 31.4s  remaining: 11.1s
738: learn: 0.0444637    total: 31.4s  remaining: 11.1s
739: learn: 0.0444130    total: 31.5s  remaining: 11.1s
740: learn: 0.0443556    total: 31.5s  remaining: 11s
741: learn: 0.0442925    total: 31.6s  remaining: 11s
796: learn: 0.0384585    total: 31.8s  remaining: 8.1s
797: learn: 0.0384547    total: 31.9s  remaining: 8.07s
798: learn: 0.0383672    total: 31.9s  remaining: 8.02s
799: learn: 0.0383378    total: 31.9s  remaining: 7.98s
800: learn: 0.0383082    total: 32s    remaining: 7.94s
801: learn: 0.0382314    total: 32s    remaining: 7.91s
802: learn: 0.0382042    total: 32.1s  remaining: 7.86s
803: learn: 0.0381543    total: 32.1s  remaining: 7.82s
804: learn: 0.0380895    total: 32.1s  remaining: 7.78s
805: learn: 0.0380409    total: 32.2s  remaining: 7.74s
806: learn: 0.0380020    total: 32.2s  remaining: 7.69s
807: learn: 0.0379693    total: 32.2s  remaining: 7.64s
808: learn: 0.0379024    total: 32.2s  remaining: 7.6s
809: learn: 0.0378588    total: 32.2s  remaining: 7.55s
810: learn: 0.0377982    total: 32.2s  remaining: 7.51s
811: learn: 0.0377637    total: 32.2s  remaining: 7.46s
812: learn: 0.0377132    total: 32.3s  remaining: 7.42s
813: learn: 0.0376758    total: 32.3s  remaining: 7.37s
814: learn: 0.0376045    total: 32.3s  remaining: 7.33s
815: learn: 0.0375311    total: 32.3s  remaining: 7.28s
816: learn: 0.0375118    total: 32.3s  remaining: 7.24s
817: learn: 0.0374727    total: 32.3s  remaining: 7.19s
818: learn: 0.0374094    total: 32.4s  remaining: 7.15s
819: learn: 0.0373240    total: 32.4s  remaining: 7.11s
820: learn: 0.0372968    total: 32.4s  remaining: 7.07s
821: learn: 0.0372426    total: 32.4s  remaining: 7.02s
822: learn: 0.0372194    total: 32.5s  remaining: 6.98s
823: learn: 0.0371731    total: 32.5s  remaining: 6.94s
824: learn: 0.0371077    total: 32.5s  remaining: 6.89s
825: learn: 0.0370635    total: 32.5s  remaining: 6.85s
826: learn: 0.0370068    total: 32.6s  remaining: 6.81s
827: learn: 0.0370034    total: 32.6s  remaining: 6.77s
828: learn: 0.0369638    total: 32.6s  remaining: 6.72s
829: learn: 0.0369391    total: 32.6s  remaining: 6.68s
830: learn: 0.0368768    total: 32.7s  remaining: 6.64s
831: learn: 0.0368440    total: 32.7s  remaining: 6.6s
832: learn: 0.0368076    total: 32.7s  remaining: 6.55s
833: learn: 0.0367749    total: 32.7s  remaining: 6.51s
834: learn: 0.0367301    total: 32.7s  remaining: 6.46s
835: learn: 0.0366776    total: 32.7s  remaining: 6.42s
836: learn: 0.0366419    total: 32.7s  remaining: 6.37s
837: learn: 0.0365801    total: 32.7s  remaining: 6.33s
838: learn: 0.0365084    total: 32.7s  remaining: 6.28s
839: learn: 0.0364736    total: 32.8s  remaining: 6.24s
840: learn: 0.0364443    total: 32.8s  remaining: 6.2s
841: learn: 0.0363884    total: 32.8s  remaining: 6.15s
842: learn: 0.0363290    total: 32.8s  remaining: 6.12s
843: learn: 0.0362737    total: 32.8s  remaining: 6.07s
844: learn: 0.0362128    total: 32.9s  remaining: 6.03s
845: learn: 0.0361349    total: 32.9s  remaining: 5.99s
846: learn: 0.0360967    total: 33s    remaining: 5.95s
847: learn: 0.0360769    total: 33s    remaining: 5.91s
848: learn: 0.0360202    total: 33s    remaining: 5.88s
849: learn: 0.0359634    total: 33.1s  remaining: 5.83s
850: learn: 0.0359030    total: 33.1s  remaining: 5.79s
851: learn: 0.0358590    total: 33.1s  remaining: 5.75s
852: learn: 0.0358186    total: 33.1s  remaining: 5.71s
853: learn: 0.0357798    total: 33.1s  remaining: 5.67s

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854: learn: 0.0357414    total: 33.2s  remaining: 5.63s
855: learn: 0.0357274    total: 33.2s  remaining: 5.58s
856: learn: 0.0357147    total: 33.2s  remaining: 5.54s
857: learn: 0.0357112    total: 33.3s  remaining: 5.5s
858: learn: 0.0356726    total: 33.3s  remaining: 5.47s
859: learn: 0.0356485    total: 33.3s  remaining: 5.42s
860: learn: 0.0355715    total: 33.4s  remaining: 5.39s
861: learn: 0.0355310    total: 33.4s  remaining: 5.34s
862: learn: 0.0354794    total: 33.4s  remaining: 5.3s
863: learn: 0.0354454    total: 33.4s  remaining: 5.26s
864: learn: 0.0353587    total: 33.4s  remaining: 5.22s
865: learn: 0.0353202    total: 33.5s  remaining: 5.18s
866: learn: 0.0353148    total: 33.5s  remaining: 5.14s
867: learn: 0.0352367    total: 33.5s  remaining: 5.09s
868: learn: 0.0351940    total: 33.5s  remaining: 5.05s
869: learn: 0.0351434    total: 33.6s  remaining: 5.01s
870: learn: 0.0351354    total: 33.6s  remaining: 4.97s
871: learn: 0.0350778    total: 33.6s  remaining: 4.93s
872: learn: 0.0350708    total: 33.6s  remaining: 4.89s
873: learn: 0.0350305    total: 33.6s  remaining: 4.85s
874: learn: 0.0349865    total: 33.6s  remaining: 4.8s
875: learn: 0.0349669    total: 33.6s  remaining: 4.76s
876: learn: 0.0349630    total: 33.7s  remaining: 4.72s
877: learn: 0.0349189    total: 33.7s  remaining: 4.68s
878: learn: 0.0348712    total: 33.7s  remaining: 4.64s
879: learn: 0.0347833    total: 33.7s  remaining: 4.6s
880: learn: 0.0347567    total: 33.8s  remaining: 4.56s
881: learn: 0.0347132    total: 33.8s  remaining: 4.52s
882: learn: 0.0346504    total: 33.8s  remaining: 4.48s
883: learn: 0.0346018    total: 33.8s  remaining: 4.44s
884: learn: 0.0345666    total: 33.8s  remaining: 4.4s
885: learn: 0.0345192    total: 33.8s  remaining: 4.36s
886: learn: 0.0344883    total: 34s   remaining: 4.33s
887: learn: 0.0344414    total: 34.1s  remaining: 4.29s
888: learn: 0.0344032    total: 34.1s  remaining: 4.26s
889: learn: 0.0343755    total: 34.1s  remaining: 4.22s
890: learn: 0.0343301    total: 34.2s  remaining: 4.18s
891: learn: 0.0343254    total: 34.2s  remaining: 4.14s
892: learn: 0.0342520    total: 34.3s  remaining: 4.11s
893: learn: 0.0342437    total: 34.3s  remaining: 4.07s
894: learn: 0.0342072    total: 34.3s  remaining: 4.03s
895: learn: 0.0341744    total: 34.4s  remaining: 4s
896: learn: 0.0340998    total: 34.5s  remaining: 3.96s
897: learn: 0.0340699    total: 34.5s  remaining: 3.92s
898: learn: 0.0340341    total: 34.6s  remaining: 3.88s
899: learn: 0.0340151    total: 34.6s  remaining: 3.84s
900: learn: 0.0340101    total: 34.6s  remaining: 3.8s
901: learn: 0.0339529    total: 34.6s  remaining: 3.76s
902: learn: 0.0339479    total: 34.6s  remaining: 3.72s
903: learn: 0.0339269    total: 34.7s  remaining: 3.69s
904: learn: 0.0338819    total: 34.7s  remaining: 3.65s
905: learn: 0.0338257    total: 34.8s  remaining: 3.61s
906: learn: 0.0337975    total: 34.9s  remaining: 3.57s
907: learn: 0.0337749    total: 34.9s  remaining: 3.53s
908: learn: 0.0337546    total: 34.9s  remaining: 3.49s
909: learn: 0.0336979    total: 34.9s  remaining: 3.45s
910: learn: 0.0336353    total: 34.9s  remaining: 3.41s
911: learn: 0.0336320    total: 34.9s  remaining: 3.37s
912: learn: 0.0336063    total: 34.9s  remaining: 3.33s
913: learn: 0.0335402    total: 34.9s  remaining: 3.29s
914: learn: 0.0335045    total: 35s   remaining: 3.25s
915: learn: 0.0334792    total: 35s   remaining: 3.21s
916: learn: 0.0334283    total: 35s   remaining: 3.17s
917: learn: 0.0333901    total: 35.1s  remaining: 3.13s

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918: learn: 0.0333317    total: 35.1s  remaining: 3.1s
919: learn: 0.0332895    total: 35.2s  remaining: 3.06s
920: learn: 0.0332839    total: 35.2s  remaining: 3.02s
921: learn: 0.0332430    total: 35.2s  remaining: 2.98s
922: learn: 0.0332170    total: 35.2s  remaining: 2.94s
923: learn: 0.0331732    total: 35.3s  remaining: 2.9s
924: learn: 0.0331427    total: 35.3s  remaining: 2.86s
925: learn: 0.0330889    total: 35.3s  remaining: 2.82s
926: learn: 0.0330464    total: 35.4s  remaining: 2.78s
927: learn: 0.0330004    total: 35.4s  remaining: 2.74s
928: learn: 0.0329530    total: 35.4s  remaining: 2.7s
929: learn: 0.0329083    total: 35.4s  remaining: 2.66s
930: learn: 0.0328780    total: 35.5s  remaining: 2.63s
931: learn: 0.0328296    total: 35.5s  remaining: 2.59s
932: learn: 0.0327791    total: 35.5s  remaining: 2.55s
933: learn: 0.0327533    total: 35.5s  remaining: 2.51s
934: learn: 0.0326901    total: 35.6s  remaining: 2.47s
935: learn: 0.0326298    total: 35.6s  remaining: 2.44s
936: learn: 0.0325753    total: 35.7s  remaining: 2.4s
937: learn: 0.0325693    total: 35.8s  remaining: 2.36s
938: learn: 0.0325367    total: 35.9s  remaining: 2.33s
939: learn: 0.0324833    total: 35.9s  remaining: 2.29s
940: learn: 0.0324796    total: 35.9s  remaining: 2.25s
941: learn: 0.0324331    total: 36s   remaining: 2.21s
942: learn: 0.0323852    total: 36s   remaining: 2.17s
943: learn: 0.0323084    total: 36.1s  remaining: 2.14s
944: learn: 0.0322879    total: 36.1s  remaining: 2.1s
945: learn: 0.0322372    total: 36.2s  remaining: 2.06s
946: learn: 0.0322280    total: 36.3s  remaining: 2.03s
947: learn: 0.0322052    total: 36.4s  remaining: 2s
948: learn: 0.0321677    total: 36.4s  remaining: 1.96s
949: learn: 0.0320976    total: 36.5s  remaining: 1.92s
950: learn: 0.0320923    total: 36.5s  remaining: 1.88s
951: learn: 0.0320473    total: 36.5s  remaining: 1.84s
952: learn: 0.0320129    total: 36.6s  remaining: 1.8s
953: learn: 0.0320095    total: 36.7s  remaining: 1.77s
799: learn: 0.0354917    total: 31.5s  remaining: 7.88s
800: learn: 0.0354448    total: 31.6s  remaining: 7.84s
801: learn: 0.0353789    total: 31.6s  remaining: 7.8s
802: learn: 0.0353652    total: 31.6s  remaining: 7.76s
803: learn: 0.0353214    total: 31.7s  remaining: 7.72s
804: learn: 0.0352936    total: 31.7s  remaining: 7.68s
805: learn: 0.0352548    total: 31.7s  remaining: 7.64s
806: learn: 0.0351855    total: 31.7s  remaining: 7.59s
807: learn: 0.0351419    total: 31.8s  remaining: 7.55s
808: learn: 0.0350941    total: 31.8s  remaining: 7.51s
809: learn: 0.0350683    total: 31.8s  remaining: 7.47s
810: learn: 0.0350458    total: 31.8s  remaining: 7.42s
811: learn: 0.0349869    total: 31.8s  remaining: 7.37s
812: learn: 0.0349417    total: 31.9s  remaining: 7.33s
813: learn: 0.0349041    total: 31.9s  remaining: 7.28s
814: learn: 0.0348544    total: 31.9s  remaining: 7.25s
815: learn: 0.0348092    total: 32s   remaining: 7.21s
816: learn: 0.0347661    total: 32s   remaining: 7.16s
817: learn: 0.0347488    total: 32.1s  remaining: 7.13s
818: learn: 0.0346778    total: 32.1s  remaining: 7.09s
819: learn: 0.0346362    total: 32.1s  remaining: 7.05s
820: learn: 0.0345975    total: 32.1s  remaining: 7s
821: learn: 0.0345195    total: 32.2s  remaining: 6.96s
822: learn: 0.0344831    total: 32.2s  remaining: 6.92s
823: learn: 0.0344351    total: 32.2s  remaining: 6.88s
824: learn: 0.0344210    total: 32.3s  remaining: 6.84s
825: learn: 0.0343836    total: 32.3s  remaining: 6.8s
826: learn: 0.0343544    total: 32.3s  remaining: 6.76s

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827: learn: 0.0343252    total: 32.4s  remaining: 6.73s
828: learn: 0.0342664    total: 32.4s  remaining: 6.69s
829: learn: 0.0342037    total: 32.4s  remaining: 6.64s
830: learn: 0.0341611    total: 32.5s  remaining: 6.61s
831: learn: 0.0341048    total: 32.5s  remaining: 6.57s
832: learn: 0.0340783    total: 32.5s  remaining: 6.53s
833: learn: 0.0340277    total: 32.6s  remaining: 6.48s
834: learn: 0.0339982    total: 32.6s  remaining: 6.44s
835: learn: 0.0339579    total: 32.6s  remaining: 6.4s
836: learn: 0.0338915    total: 32.9s  remaining: 6.41s
837: learn: 0.0338236    total: 32.9s  remaining: 6.37s
838: learn: 0.0337848    total: 33s   remaining: 6.33s
839: learn: 0.0337438    total: 33s   remaining: 6.29s
840: learn: 0.0336904    total: 33.1s  remaining: 6.26s
841: learn: 0.0336376    total: 33.1s  remaining: 6.21s
842: learn: 0.0335781    total: 33.2s  remaining: 6.18s
843: learn: 0.0335582    total: 33.3s  remaining: 6.15s
844: learn: 0.0335165    total: 33.3s  remaining: 6.11s
845: learn: 0.0334491    total: 33.3s  remaining: 6.06s
846: learn: 0.0334238    total: 33.4s  remaining: 6.03s
847: learn: 0.0333939    total: 33.4s  remaining: 5.99s
848: learn: 0.0333412    total: 33.5s  remaining: 5.95s
849: learn: 0.0333043    total: 33.6s  remaining: 5.93s
850: learn: 0.0332790    total: 33.8s  remaining: 5.91s
851: learn: 0.0332059    total: 33.8s  remaining: 5.87s
852: learn: 0.0331333    total: 33.9s  remaining: 5.83s
853: learn: 0.0330633    total: 33.9s  remaining: 5.79s
854: learn: 0.0330308    total: 33.9s  remaining: 5.75s
855: learn: 0.0330074    total: 33.9s  remaining: 5.71s
856: learn: 0.0329639    total: 34s   remaining: 5.67s
857: learn: 0.0329393    total: 34s   remaining: 5.63s
858: learn: 0.0328782    total: 34.1s  remaining: 5.59s
859: learn: 0.0328480    total: 34.1s  remaining: 5.55s
860: learn: 0.0328091    total: 34.2s  remaining: 5.52s
861: learn: 0.0327640    total: 34.2s  remaining: 5.47s
862: learn: 0.0327074    total: 34.2s  remaining: 5.43s
863: learn: 0.0327018    total: 34.2s  remaining: 5.39s
864: learn: 0.0326540    total: 34.3s  remaining: 5.35s
865: learn: 0.0325847    total: 34.3s  remaining: 5.31s
866: learn: 0.0325520    total: 34.3s  remaining: 5.27s
867: learn: 0.0324870    total: 34.4s  remaining: 5.23s
868: learn: 0.0324739    total: 34.4s  remaining: 5.18s
869: learn: 0.0324038    total: 34.4s  remaining: 5.15s
870: learn: 0.0323704    total: 34.4s  remaining: 5.1s
871: learn: 0.0323491    total: 34.5s  remaining: 5.06s
872: learn: 0.0323149    total: 34.5s  remaining: 5.02s
873: learn: 0.0322778    total: 34.5s  remaining: 4.98s
874: learn: 0.0322514    total: 34.6s  remaining: 4.94s
875: learn: 0.0321841    total: 34.6s  remaining: 4.9s
876: learn: 0.0321309    total: 34.7s  remaining: 4.86s
877: learn: 0.0320863    total: 34.7s  remaining: 4.82s
878: learn: 0.0320566    total: 34.7s  remaining: 4.78s
879: learn: 0.0320241    total: 34.7s  remaining: 4.74s
880: learn: 0.0319623    total: 34.8s  remaining: 4.7s
881: learn: 0.0319307    total: 34.8s  remaining: 4.66s
882: learn: 0.0318980    total: 34.8s  remaining: 4.61s
883: learn: 0.0318335    total: 34.9s  remaining: 4.58s
884: learn: 0.0317932    total: 34.9s  remaining: 4.54s
885: learn: 0.0317608    total: 34.9s  remaining: 4.5s
886: learn: 0.0317496    total: 35s   remaining: 4.45s
887: learn: 0.0316896    total: 35s   remaining: 4.42s
888: learn: 0.0316413    total: 35s   remaining: 4.37s
889: learn: 0.0315874    total: 35.1s  remaining: 4.34s
890: learn: 0.0315337    total: 35.1s  remaining: 4.29s

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891: learn: 0.0315060    total: 35.1s  remaining: 4.25s
892: learn: 0.0314654    total: 35.1s  remaining: 4.21s
893: learn: 0.0314163    total: 35.2s  remaining: 4.17s
894: learn: 0.0313714    total: 35.2s  remaining: 4.13s
895: learn: 0.0313429    total: 35.2s  remaining: 4.09s
896: learn: 0.0313202    total: 35.2s  remaining: 4.04s
897: learn: 0.0313037    total: 35.2s  remaining: 4s
898: learn: 0.0312748    total: 35.3s  remaining: 3.96s
899: learn: 0.0312386    total: 35.4s  remaining: 3.93s
900: learn: 0.0312111    total: 35.4s  remaining: 3.89s
901: learn: 0.0311729    total: 35.4s  remaining: 3.85s
902: learn: 0.0311532    total: 35.4s  remaining: 3.81s
903: learn: 0.0311150    total: 35.5s  remaining: 3.77s
904: learn: 0.0310767    total: 35.5s  remaining: 3.72s
905: learn: 0.0310325    total: 35.5s  remaining: 3.68s
906: learn: 0.0310069    total: 35.5s  remaining: 3.64s
907: learn: 0.0309950    total: 35.6s  remaining: 3.6s
908: learn: 0.0309690    total: 35.6s  remaining: 3.56s
909: learn: 0.0309393    total: 35.6s  remaining: 3.52s
910: learn: 0.0309288    total: 35.7s  remaining: 3.49s
911: learn: 0.0309083    total: 35.7s  remaining: 3.45s
912: learn: 0.0309039    total: 35.7s  remaining: 3.4s
913: learn: 0.0308655    total: 35.8s  remaining: 3.37s
914: learn: 0.0308454    total: 35.9s  remaining: 3.33s
915: learn: 0.0308377    total: 35.9s  remaining: 3.29s
916: learn: 0.0307980    total: 35.9s  remaining: 3.25s
917: learn: 0.0307729    total: 35.9s  remaining: 3.21s
918: learn: 0.0307290    total: 36s   remaining: 3.17s
919: learn: 0.0306805    total: 36s   remaining: 3.13s
920: learn: 0.0306234    total: 36s   remaining: 3.09s
921: learn: 0.0305831    total: 36s   remaining: 3.05s
922: learn: 0.0305505    total: 36.1s  remaining: 3.01s
923: learn: 0.0304991    total: 36.1s  remaining: 2.97s
924: learn: 0.0304587    total: 36.1s  remaining: 2.93s
925: learn: 0.0304225    total: 36.1s  remaining: 2.89s
926: learn: 0.0303848    total: 36.2s  remaining: 2.85s
927: learn: 0.0303601    total: 36.2s  remaining: 2.81s
928: learn: 0.0303252    total: 36.2s  remaining: 2.77s
929: learn: 0.0302978    total: 36.2s  remaining: 2.73s
930: learn: 0.0302927    total: 36.2s  remaining: 2.69s
931: learn: 0.0302462    total: 36.3s  remaining: 2.65s
932: learn: 0.0302143    total: 36.3s  remaining: 2.61s
933: learn: 0.0301508    total: 36.3s  remaining: 2.57s
934: learn: 0.0301228    total: 36.4s  remaining: 2.53s
935: learn: 0.0300714    total: 36.4s  remaining: 2.49s
936: learn: 0.0300483    total: 36.4s  remaining: 2.45s
937: learn: 0.0300037    total: 36.4s  remaining: 2.41s
938: learn: 0.0299603    total: 36.4s  remaining: 2.37s
939: learn: 0.0299331    total: 36.4s  remaining: 2.33s
940: learn: 0.0298816    total: 36.4s  remaining: 2.29s
941: learn: 0.0298471    total: 36.5s  remaining: 2.25s
942: learn: 0.0298073    total: 36.5s  remaining: 2.21s
943: learn: 0.0297612    total: 36.5s  remaining: 2.17s
944: learn: 0.0297117    total: 36.5s  remaining: 2.13s
945: learn: 0.0296684    total: 36.6s  remaining: 2.09s
946: learn: 0.0296308    total: 36.6s  remaining: 2.05s
947: learn: 0.0296252    total: 36.6s  remaining: 2.01s
948: learn: 0.0295807    total: 36.6s  remaining: 1.97s
949: learn: 0.0295297    total: 36.7s  remaining: 1.93s
950: learn: 0.0294830    total: 36.7s  remaining: 1.89s
951: learn: 0.0294228    total: 36.7s  remaining: 1.85s
952: learn: 0.0293668    total: 36.7s  remaining: 1.81s
953: learn: 0.0293376    total: 36.8s  remaining: 1.77s
954: learn: 0.0292953    total: 36.8s  remaining: 1.73s

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955:    learn: 0.0292657      total: 36.8s      remaining: 1.69s
956:    learn: 0.0292130      total: 36.8s      remaining: 1.65s
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(
```

```

742: learn: 0.0442277    total: 31.6s  remaining: 10.9s
743: learn: 0.0441993    total: 31.6s  remaining: 10.9s
744: learn: 0.0441609    total: 31.7s  remaining: 10.8s
745: learn: 0.0440784    total: 31.7s  remaining: 10.8s
746: learn: 0.0440047    total: 31.8s  remaining: 10.8s
747: learn: 0.0439745    total: 31.8s  remaining: 10.7s
748: learn: 0.0439250    total: 31.8s  remaining: 10.7s
749: learn: 0.0438678    total: 31.9s  remaining: 10.6s
750: learn: 0.0437868    total: 31.9s  remaining: 10.6s
751: learn: 0.0437327    total: 31.9s  remaining: 10.5s
752: learn: 0.0436704    total: 32s   remaining: 10.5s
753: learn: 0.0436672    total: 32s   remaining: 10.4s
754: learn: 0.0436008    total: 32s   remaining: 10.4s
755: learn: 0.0435396    total: 32.1s  remaining: 10.3s
756: learn: 0.0435039    total: 32.1s  remaining: 10.3s
757: learn: 0.0434828    total: 32.1s  remaining: 10.3s
758: learn: 0.0434567    total: 32.2s  remaining: 10.2s
759: learn: 0.0433805    total: 32.3s  remaining: 10.2s
760: learn: 0.0433234    total: 32.4s  remaining: 10.2s
761: learn: 0.0432428    total: 32.4s  remaining: 10.1s
762: learn: 0.0431835    total: 32.4s  remaining: 10.1s
763: learn: 0.0431436    total: 32.5s  remaining: 10s
764: learn: 0.0430741    total: 32.5s  remaining: 9.98s
765: learn: 0.0430297    total: 32.5s  remaining: 9.93s
766: learn: 0.0429884    total: 32.5s  remaining: 9.88s
767: learn: 0.0429327    total: 32.6s  remaining: 9.84s
768: learn: 0.0428876    total: 32.6s  remaining: 9.79s
769: learn: 0.0428254    total: 32.6s  remaining: 9.74s
770: learn: 0.0427710    total: 32.6s  remaining: 9.69s
771: learn: 0.0427343    total: 32.7s  remaining: 9.65s
772: learn: 0.0426583    total: 32.7s  remaining: 9.6s
773: learn: 0.0426374    total: 32.7s  remaining: 9.56s
774: learn: 0.0425404    total: 32.8s  remaining: 9.51s
775: learn: 0.0424925    total: 32.8s  remaining: 9.47s
776: learn: 0.0424688    total: 32.8s  remaining: 9.42s
777: learn: 0.0424429    total: 32.9s  remaining: 9.39s
778: learn: 0.0423675    total: 33s   remaining: 9.36s
779: learn: 0.0423093    total: 33.1s  remaining: 9.32s
780: learn: 0.0422603    total: 33.1s  remaining: 9.29s
781: learn: 0.0422452    total: 33.2s  remaining: 9.24s
782: learn: 0.0422033    total: 33.2s  remaining: 9.2s
783: learn: 0.0421344    total: 33.2s  remaining: 9.14s
784: learn: 0.0420764    total: 33.2s  remaining: 9.1s
785: learn: 0.0420347    total: 33.2s  remaining: 9.05s
786: learn: 0.0419820    total: 33.3s  remaining: 9.01s
787: learn: 0.0419295    total: 33.3s  remaining: 8.95s
788: learn: 0.0418552    total: 33.3s  remaining: 8.91s
789: learn: 0.0417967    total: 33.3s  remaining: 8.86s
790: learn: 0.0417358    total: 33.4s  remaining: 8.82s
791: learn: 0.0416858    total: 33.4s  remaining: 8.77s
792: learn: 0.0416291    total: 33.4s  remaining: 8.73s
793: learn: 0.0416026    total: 33.4s  remaining: 8.68s
794: learn: 0.0415693    total: 33.5s  remaining: 8.63s
795: learn: 0.0414734    total: 33.5s  remaining: 8.58s
796: learn: 0.0414036    total: 33.5s  remaining: 8.53s
797: learn: 0.0413318    total: 33.5s  remaining: 8.48s
798: learn: 0.0412960    total: 33.6s  remaining: 8.44s
799: learn: 0.0412564    total: 33.6s  remaining: 8.39s
800: learn: 0.0411868    total: 33.6s  remaining: 8.34s
801: learn: 0.0411159    total: 33.6s  remaining: 8.29s
802: learn: 0.0410757    total: 33.6s  remaining: 8.25s
803: learn: 0.0409881    total: 33.6s  remaining: 8.2s
804: learn: 0.0409140    total: 33.7s  remaining: 8.15s
805: learn: 0.0408541    total: 33.7s  remaining: 8.12s

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806: learn: 0.0408026    total: 33.8s  remaining: 8.07s
807: learn: 0.0407063    total: 33.8s  remaining: 8.02s
808: learn: 0.0406675    total: 33.8s  remaining: 7.98s
809: learn: 0.0406248    total: 33.8s  remaining: 7.93s
810: learn: 0.0405719    total: 33.8s  remaining: 7.88s
811: learn: 0.0405148    total: 33.8s  remaining: 7.83s
812: learn: 0.0404543    total: 33.8s  remaining: 7.78s
813: learn: 0.0404036    total: 33.8s  remaining: 7.73s
814: learn: 0.0403082    total: 33.9s  remaining: 7.69s
815: learn: 0.0402589    total: 33.9s  remaining: 7.64s
816: learn: 0.0402061    total: 33.9s  remaining: 7.59s
817: learn: 0.0401570    total: 33.9s  remaining: 7.54s
818: learn: 0.0401335    total: 33.9s  remaining: 7.5s
819: learn: 0.0400825    total: 33.9s  remaining: 7.45s
820: learn: 0.0400502    total: 33.9s  remaining: 7.4s
821: learn: 0.0400171    total: 34s    remaining: 7.35s
822: learn: 0.0399757    total: 34s    remaining: 7.31s
823: learn: 0.0399406    total: 34s    remaining: 7.27s
824: learn: 0.0398928    total: 34.1s  remaining: 7.23s
825: learn: 0.0398512    total: 34.1s  remaining: 7.18s
826: learn: 0.0398138    total: 34.1s  remaining: 7.13s
827: learn: 0.0397597    total: 34.1s  remaining: 7.09s
828: learn: 0.0397222    total: 34.2s  remaining: 7.05s
829: learn: 0.0396875    total: 34.2s  remaining: 7s
830: learn: 0.0396593    total: 34.2s  remaining: 6.96s
831: learn: 0.0396103    total: 34.2s  remaining: 6.91s
832: learn: 0.0395580    total: 34.3s  remaining: 6.87s
833: learn: 0.0394943    total: 34.3s  remaining: 6.82s
834: learn: 0.0394754    total: 34.3s  remaining: 6.78s
835: learn: 0.0393981    total: 34.4s  remaining: 6.74s
836: learn: 0.0393687    total: 34.4s  remaining: 6.7s
837: learn: 0.0393531    total: 34.4s  remaining: 6.65s
838: learn: 0.0393136    total: 34.4s  remaining: 6.61s
839: learn: 0.0392465    total: 34.4s  remaining: 6.56s
840: learn: 0.0391942    total: 34.5s  remaining: 6.51s
841: learn: 0.0391709    total: 34.5s  remaining: 6.47s
842: learn: 0.0391369    total: 34.5s  remaining: 6.43s
843: learn: 0.0391036    total: 34.5s  remaining: 6.39s
844: learn: 0.0390336    total: 34.6s  remaining: 6.34s
845: learn: 0.0389618    total: 34.6s  remaining: 6.3s
846: learn: 0.0389283    total: 34.6s  remaining: 6.25s
847: learn: 0.0389036    total: 34.6s  remaining: 6.21s
848: learn: 0.0388375    total: 34.7s  remaining: 6.17s
849: learn: 0.0388025    total: 34.7s  remaining: 6.13s
850: learn: 0.0387716    total: 34.8s  remaining: 6.09s
851: learn: 0.0387352    total: 34.8s  remaining: 6.05s
852: learn: 0.0386661    total: 34.9s  remaining: 6.01s
853: learn: 0.0386095    total: 34.9s  remaining: 5.97s
854: learn: 0.0385717    total: 34.9s  remaining: 5.92s
855: learn: 0.0385300    total: 34.9s  remaining: 5.88s
856: learn: 0.0384928    total: 35s    remaining: 5.84s
857: learn: 0.0384304    total: 35s    remaining: 5.8s
858: learn: 0.0383847    total: 35.1s  remaining: 5.76s
859: learn: 0.0383466    total: 35.1s  remaining: 5.71s
860: learn: 0.0382925    total: 35.1s  remaining: 5.67s
861: learn: 0.0382433    total: 35.1s  remaining: 5.63s
862: learn: 0.0382008    total: 35.2s  remaining: 5.59s
863: learn: 0.0381494    total: 35.3s  remaining: 5.55s
864: learn: 0.0381119    total: 35.3s  remaining: 5.51s
865: learn: 0.0380670    total: 35.3s  remaining: 5.46s
866: learn: 0.0380040    total: 35.4s  remaining: 5.43s
867: learn: 0.0379349    total: 35.5s  remaining: 5.39s
868: learn: 0.0379091    total: 35.5s  remaining: 5.35s
869: learn: 0.0378555    total: 35.6s  remaining: 5.31s

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870: learn: 0.0378167    total: 35.6s  remaining: 5.27s
871: learn: 0.0377884    total: 35.6s  remaining: 5.23s
872: learn: 0.0377639    total: 35.6s  remaining: 5.18s
873: learn: 0.0377183    total: 35.7s  remaining: 5.14s
874: learn: 0.0376880    total: 35.7s  remaining: 5.1s
875: learn: 0.0375996    total: 35.8s  remaining: 5.07s
876: learn: 0.0375342    total: 36s    remaining: 5.04s
877: learn: 0.0374676    total: 36s    remaining: 5s
878: learn: 0.0374086    total: 36.1s  remaining: 4.97s
879: learn: 0.0373613    total: 36.2s  remaining: 4.93s
880: learn: 0.0373041    total: 36.2s  remaining: 4.88s
881: learn: 0.0372547    total: 36.2s  remaining: 4.84s
882: learn: 0.0371971    total: 36.2s  remaining: 4.8s
883: learn: 0.0371298    total: 36.2s  remaining: 4.76s
884: learn: 0.0370719    total: 36.3s  remaining: 4.71s
885: learn: 0.0370187    total: 36.3s  remaining: 4.68s
886: learn: 0.0369803    total: 36.4s  remaining: 4.63s
887: learn: 0.0369486    total: 36.4s  remaining: 4.59s
888: learn: 0.0369021    total: 36.4s  remaining: 4.55s
889: learn: 0.0368309    total: 36.5s  remaining: 4.51s
890: learn: 0.0367839    total: 36.5s  remaining: 4.47s
891: learn: 0.0367447    total: 36.6s  remaining: 4.43s
892: learn: 0.0367109    total: 36.6s  remaining: 4.38s
893: learn: 0.0366485    total: 36.6s  remaining: 4.34s
894: learn: 0.0365790    total: 36.6s  remaining: 4.3s
895: learn: 0.0365621    total: 36.7s  remaining: 4.26s
896: learn: 0.0365122    total: 36.7s  remaining: 4.21s
897: learn: 0.0364334    total: 36.8s  remaining: 4.18s
898: learn: 0.0364289    total: 36.8s  remaining: 4.14s
899: learn: 0.0363945    total: 36.9s  remaining: 4.09s
956: learn: 0.0262525    total: 34.4s  remaining: 1.54s
957: learn: 0.0262057    total: 34.4s  remaining: 1.51s
958: learn: 0.0261866    total: 34.5s  remaining: 1.47s
959: learn: 0.0261576    total: 34.5s  remaining: 1.44s
960: learn: 0.0261408    total: 34.5s  remaining: 1.4s
961: learn: 0.0261187    total: 34.5s  remaining: 1.36s
962: learn: 0.0260933    total: 34.6s  remaining: 1.33s
963: learn: 0.0260697    total: 34.6s  remaining: 1.29s
964: learn: 0.0260464    total: 34.6s  remaining: 1.25s
965: learn: 0.0260410    total: 34.6s  remaining: 1.22s
966: learn: 0.0259835    total: 34.7s  remaining: 1.18s
967: learn: 0.0259594    total: 34.7s  remaining: 1.15s
968: learn: 0.0259209    total: 34.8s  remaining: 1.11s
969: learn: 0.0259013    total: 34.8s  remaining: 1.07s
970: learn: 0.0258726    total: 34.8s  remaining: 1.04s
971: learn: 0.0258179    total: 34.9s  remaining: 1s
972: learn: 0.0258011    total: 35s    remaining: 970ms
973: learn: 0.0257788    total: 35s    remaining: 934ms
974: learn: 0.0257607    total: 35s    remaining: 898ms
975: learn: 0.0257184    total: 35s    remaining: 862ms
976: learn: 0.0256658    total: 35.1s  remaining: 826ms
977: learn: 0.0256311    total: 35.1s  remaining: 789ms
978: learn: 0.0255983    total: 35.1s  remaining: 753ms
979: learn: 0.0255773    total: 35.2s  remaining: 718ms
980: learn: 0.0255411    total: 35.2s  remaining: 681ms
981: learn: 0.0254948    total: 35.2s  remaining: 645ms
982: learn: 0.0254709    total: 35.2s  remaining: 609ms
983: learn: 0.0254360    total: 35.2s  remaining: 573ms
984: learn: 0.0254053    total: 35.3s  remaining: 537ms
985: learn: 0.0253745    total: 35.3s  remaining: 501ms
986: learn: 0.0253560    total: 35.3s  remaining: 465ms
987: learn: 0.0253121    total: 35.4s  remaining: 429ms
988: learn: 0.0252590    total: 35.4s  remaining: 394ms
989: learn: 0.0252455    total: 35.4s  remaining: 358ms

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		houses_kaggle_competition_refined
990:	learn: 0.0251954	total: 35.4s remaining: 322ms
991:	learn: 0.0251568	total: 35.5s remaining: 286ms
992:	learn: 0.0251062	total: 35.5s remaining: 250ms
993:	learn: 0.0250836	total: 35.5s remaining: 214ms
994:	learn: 0.0250670	total: 35.5s remaining: 179ms
995:	learn: 0.0250278	total: 35.5s remaining: 143ms
996:	learn: 0.0249880	total: 35.6s remaining: 107ms
997:	learn: 0.0249555	total: 35.6s remaining: 71.3ms
998:	learn: 0.0249069	total: 35.6s remaining: 35.6ms
999:	learn: 0.0248863	total: 35.6s remaining: 0us
Learning rate set to 0.040504		
0:	learn: 0.3818843	total: 247ms remaining: 4m 6s
1:	learn: 0.3729539	total: 330ms remaining: 2m 44s
2:	learn: 0.3633641	total: 464ms remaining: 2m 34s
3:	learn: 0.3544594	total: 483ms remaining: 2m
4:	learn: 0.3455694	total: 509ms remaining: 1m 41s
5:	learn: 0.3368863	total: 515ms remaining: 1m 25s
6:	learn: 0.3288490	total: 528ms remaining: 1m 14s
7:	learn: 0.3210337	total: 532ms remaining: 1m 5s
8:	learn: 0.3151242	total: 534ms remaining: 58.8s
9:	learn: 0.3081524	total: 539ms remaining: 53.4s
10:	learn: 0.3009680	total: 571ms remaining: 51.3s
11:	learn: 0.2945115	total: 584ms remaining: 48.1s
12:	learn: 0.2879250	total: 590ms remaining: 44.8s
13:	learn: 0.2820621	total: 621ms remaining: 43.7s
14:	learn: 0.2762530	total: 637ms remaining: 41.8s
15:	learn: 0.2706145	total: 665ms remaining: 40.9s
16:	learn: 0.2651922	total: 678ms remaining: 39.2s
17:	learn: 0.2593927	total: 700ms remaining: 38.2s
18:	learn: 0.2542747	total: 707ms remaining: 36.5s
19:	learn: 0.2495032	total: 745ms remaining: 36.5s
20:	learn: 0.2446660	total: 770ms remaining: 35.9s
21:	learn: 0.2403116	total: 778ms remaining: 34.6s
22:	learn: 0.2358436	total: 802ms remaining: 34.1s
23:	learn: 0.2316469	total: 825ms remaining: 33.5s
24:	learn: 0.2271819	total: 846ms remaining: 33s
25:	learn: 0.2231974	total: 865ms remaining: 32.4s
26:	learn: 0.2191286	total: 930ms remaining: 33.5s
27:	learn: 0.2152459	total: 943ms remaining: 32.7s
28:	learn: 0.2115680	total: 1s remaining: 33.5s
29:	learn: 0.2080846	total: 1.05s remaining: 33.9s
30:	learn: 0.2048430	total: 1.08s remaining: 33.7s
31:	learn: 0.2015499	total: 1.11s remaining: 33.7s
32:	learn: 0.1985784	total: 1.16s remaining: 34s
33:	learn: 0.1958205	total: 1.19s remaining: 33.7s
34:	learn: 0.1930590	total: 1.22s remaining: 33.6s
35:	learn: 0.1903901	total: 1.25s remaining: 33.6s
36:	learn: 0.1875247	total: 1.27s remaining: 33.1s
37:	learn: 0.1847754	total: 1.28s remaining: 32.4s
38:	learn: 0.1822212	total: 1.32s remaining: 32.6s
39:	learn: 0.1800353	total: 1.36s remaining: 32.6s
40:	learn: 0.1777841	total: 1.37s remaining: 32s
41:	learn: 0.1759666	total: 1.4s remaining: 31.9s
42:	learn: 0.1737133	total: 1.4s remaining: 31.2s
43:	learn: 0.1717734	total: 1.41s remaining: 30.7s
44:	learn: 0.1697473	total: 1.43s remaining: 30.4s
45:	learn: 0.1678131	total: 1.48s remaining: 30.8s
46:	learn: 0.1661502	total: 1.55s remaining: 31.5s
47:	learn: 0.1643043	total: 1.6s remaining: 31.8s
48:	learn: 0.1625180	total: 1.66s remaining: 32.2s
49:	learn: 0.1605147	total: 1.69s remaining: 32.1s
50:	learn: 0.1590062	total: 1.75s remaining: 32.5s
51:	learn: 0.1572983	total: 1.75s remaining: 32s
52:	learn: 0.1556985	total: 1.79s remaining: 32s

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53: learn: 0.1543202      total: 1.8s    remaining: 31.6s
54: learn: 0.1528660      total: 1.81s   remaining: 31.1s
55: learn: 0.1514429      total: 1.82s   remaining: 30.6s
56: learn: 0.1501223      total: 1.82s   remaining: 30.1s
57: learn: 0.1488182      total: 1.83s   remaining: 29.7s
58: learn: 0.1476190      total: 1.83s   remaining: 29.2s
59: learn: 0.1465778      total: 1.84s   remaining: 28.8s
60: learn: 0.1452716      total: 1.87s   remaining: 28.7s
61: learn: 0.1439723      total: 1.9s     remaining: 28.7s
62: learn: 0.1428258      total: 1.93s   remaining: 28.7s
63: learn: 0.1415660      total: 1.96s   remaining: 28.6s
64: learn: 0.1404684      total: 1.98s   remaining: 28.5s
65: learn: 0.1393419      total: 2.02s   remaining: 28.6s
66: learn: 0.1382385      total: 2.04s   remaining: 28.4s
67: learn: 0.1373175      total: 2.08s   remaining: 28.5s
68: learn: 0.1363104      total: 2.09s   remaining: 28.2s
69: learn: 0.1355127      total: 2.18s   remaining: 28.9s
70: learn: 0.1346360      total: 2.21s   remaining: 28.9s
71: learn: 0.1337711      total: 2.26s   remaining: 29.1s
72: learn: 0.1329080      total: 2.28s   remaining: 28.9s
73: learn: 0.1321042      total: 2.33s   remaining: 29.2s
74: learn: 0.1313434      total: 2.36s   remaining: 29.1s
75: learn: 0.1305114      total: 2.39s   remaining: 29.1s
76: learn: 0.1297327      total: 2.44s   remaining: 29.2s
77: learn: 0.1289299      total: 2.47s   remaining: 29.2s
78: learn: 0.1281824      total: 2.55s   remaining: 29.7s
79: learn: 0.1273861      total: 2.56s   remaining: 29.4s
80: learn: 0.1266719      total: 2.58s   remaining: 29.3s
81: learn: 0.1260385      total: 2.62s   remaining: 29.4s
82: learn: 0.1254556      total: 2.64s   remaining: 29.2s
83: learn: 0.1248808      total: 2.67s   remaining: 29.1s
84: learn: 0.1241320      total: 2.72s   remaining: 29.3s
85: learn: 0.1235194      total: 2.76s   remaining: 29.4s
86: learn: 0.1230126      total: 2.81s   remaining: 29.5s
87: learn: 0.1224112      total: 2.86s   remaining: 29.6s
88: learn: 0.1217327      total: 2.93s   remaining: 30s
89: learn: 0.1212255      total: 2.94s   remaining: 29.8s
90: learn: 0.1206564      total: 2.96s   remaining: 29.6s
91: learn: 0.1201005      total: 3.01s   remaining: 29.7s
92: learn: 0.1196072      total: 3.04s   remaining: 29.6s
93: learn: 0.1190479      total: 3.07s   remaining: 29.6s
94: learn: 0.1185144      total: 3.1s     remaining: 29.5s
95: learn: 0.1180054      total: 3.13s   remaining: 29.5s
96: learn: 0.1175072      total: 3.18s   remaining: 29.6s
97: learn: 0.1169425      total: 3.22s   remaining: 29.6s
98: learn: 0.1163583      total: 3.23s   remaining: 29.4s
99: learn: 0.1159045      total: 3.25s   remaining: 29.2s
100: learn: 0.1155390      total: 3.28s   remaining: 29.2s
101: learn: 0.1152532      total: 3.32s   remaining: 29.3s
102: learn: 0.1149017      total: 3.35s   remaining: 29.1s
103: learn: 0.1144044      total: 3.38s   remaining: 29.1s
104: learn: 0.1140660      total: 3.47s   remaining: 29.6s
105: learn: 0.1136704      total: 3.5s     remaining: 29.5s
106: learn: 0.1133269      total: 3.56s   remaining: 29.7s
107: learn: 0.1129185      total: 3.64s   remaining: 30s
108: learn: 0.1126167      total: 3.68s   remaining: 30.1s
109: learn: 0.1121852      total: 3.7s     remaining: 30s
110: learn: 0.1117491      total: 3.75s   remaining: 30s
111: learn: 0.1113953      total: 3.82s   remaining: 30.3s
112: learn: 0.1110765      total: 3.83s   remaining: 30.1s
113: learn: 0.1106683      total: 3.85s   remaining: 29.9s
114: learn: 0.1103445      total: 3.86s   remaining: 29.7s
958: learn: 0.0274883      total: 36.5s  remaining: 1.56s
959: learn: 0.0274531      total: 36.6s  remaining: 1.52s

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960: learn: 0.0274136      total: 36.6s  remaining: 1.48s
961: learn: 0.0273860      total: 36.6s  remaining: 1.44s
962: learn: 0.0273430      total: 36.6s  remaining: 1.41s
963: learn: 0.0273156      total: 36.7s  remaining: 1.37s
964: learn: 0.0272735      total: 36.7s  remaining: 1.33s
965: learn: 0.0272417      total: 36.7s  remaining: 1.29s
966: learn: 0.0271805      total: 36.7s  remaining: 1.25s
967: learn: 0.0271539      total: 36.8s  remaining: 1.22s
968: learn: 0.0271150      total: 36.8s  remaining: 1.18s
969: learn: 0.0270754      total: 36.9s  remaining: 1.14s
970: learn: 0.0270441      total: 37s    remaining: 1.1s
971: learn: 0.0270407      total: 37s    remaining: 1.06s
972: learn: 0.0270043      total: 37s    remaining: 1.03s
973: learn: 0.0269739      total: 37s    remaining: 989ms
974: learn: 0.0269370      total: 37s    remaining: 950ms
975: learn: 0.0268881      total: 37.1s  remaining: 911ms
976: learn: 0.0268552      total: 37.1s  remaining: 873ms
977: learn: 0.0268207      total: 37.1s  remaining: 835ms
978: learn: 0.0267644      total: 37.2s  remaining: 797ms
979: learn: 0.0267470      total: 37.2s  remaining: 759ms
980: learn: 0.0267313      total: 37.3s  remaining: 722ms
981: learn: 0.0267281      total: 37.3s  remaining: 683ms
982: learn: 0.0267033      total: 37.3s  remaining: 646ms
983: learn: 0.0266878      total: 37.4s  remaining: 608ms
984: learn: 0.0266683      total: 37.4s  remaining: 570ms
985: learn: 0.0266440      total: 37.5s  remaining: 532ms
986: learn: 0.0266005      total: 37.5s  remaining: 494ms
987: learn: 0.0265701      total: 37.5s  remaining: 456ms
988: learn: 0.0265184      total: 37.6s  remaining: 418ms
989: learn: 0.0264890      total: 37.6s  remaining: 379ms
990: learn: 0.0264693      total: 37.6s  remaining: 342ms
991: learn: 0.0264348      total: 37.7s  remaining: 304ms
992: learn: 0.0264286      total: 37.7s  remaining: 266ms
993: learn: 0.0263982      total: 37.8s  remaining: 228ms
994: learn: 0.0263795      total: 37.8s  remaining: 190ms
995: learn: 0.0263764      total: 37.9s  remaining: 152ms
996: learn: 0.0263511      total: 37.9s  remaining: 114ms
997: learn: 0.0263008      total: 38s    remaining: 76.2ms
998: learn: 0.0262828      total: 38.1s  remaining: 38.2ms
999: learn: 0.0262604      total: 38.1s  remaining: 0us

Learning rate set to 0.040504
0: learn: 0.3965636      total: 120ms  remaining: 1m 59s
1: learn: 0.3870484      total: 205ms  remaining: 1m 42s
2: learn: 0.3775240      total: 249ms  remaining: 1m 22s
3: learn: 0.3679434      total: 280ms  remaining: 1m 9s
4: learn: 0.3590229      total: 309ms  remaining: 1m 1s
5: learn: 0.3515746      total: 364ms  remaining: 1m
6: learn: 0.3432572      total: 407ms  remaining: 57.7s
7: learn: 0.3347549      total: 437ms  remaining: 54.2s
8: learn: 0.3273302      total: 487ms  remaining: 53.6s
9: learn: 0.3196171      total: 549ms  remaining: 54.3s
10: learn: 0.3119146     total: 598ms  remaining: 53.7s
11: learn: 0.3053424     total: 672ms  remaining: 55.3s
12: learn: 0.2988035     total: 693ms  remaining: 52.6s
13: learn: 0.2927063     total: 716ms  remaining: 50.4s
14: learn: 0.2865614     total: 738ms  remaining: 48.4s
15: learn: 0.2804747     total: 775ms  remaining: 47.7s
16: learn: 0.2746533     total: 804ms  remaining: 46.5s
17: learn: 0.2689567     total: 848ms  remaining: 46.2s
18: learn: 0.2637480     total: 862ms  remaining: 44.5s
19: learn: 0.2587330     total: 890ms  remaining: 43.6s
20: learn: 0.2538390     total: 934ms  remaining: 43.5s
21: learn: 0.2498875     total: 989ms  remaining: 44s
22: learn: 0.2455211     total: 1.08s  remaining: 45.7s

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23: learn: 0.2406400    total: 1.09s  remaining: 44.4s
24: learn: 0.2360256    total: 1.11s  remaining: 43.3s
25: learn: 0.2317961    total: 1.18s  remaining: 44.3s
26: learn: 0.2279348    total: 1.22s  remaining: 43.9s
27: learn: 0.2240401    total: 1.29s  remaining: 44.8s
28: learn: 0.2204485    total: 1.31s  remaining: 43.9s
29: learn: 0.2164444    total: 1.34s  remaining: 43.3s
30: learn: 0.2129808    total: 1.41s  remaining: 44.1s
31: learn: 0.2098159    total: 1.43s  remaining: 43.1s
32: learn: 0.2066252    total: 1.49s  remaining: 43.6s
33: learn: 0.2036961    total: 1.52s  remaining: 43.3s
34: learn: 0.2009785    total: 1.54s  remaining: 42.5s
35: learn: 0.1978256    total: 1.58s  remaining: 42.2s
36: learn: 0.1953553    total: 1.61s  remaining: 42.1s
37: learn: 0.1927111    total: 1.66s  remaining: 42s
38: learn: 0.1900866    total: 1.68s  remaining: 41.5s
39: learn: 0.1874577    total: 1.7s   remaining: 40.8s
40: learn: 0.1850997    total: 1.82s  remaining: 42.6s
41: learn: 0.1829125    total: 1.83s  remaining: 41.8s
42: learn: 0.1805907    total: 1.88s  remaining: 41.8s
43: learn: 0.1789712    total: 1.95s  remaining: 42.3s
44: learn: 0.1770114    total: 1.99s  remaining: 42.2s
45: learn: 0.1749297    total: 2.01s  remaining: 41.6s
46: learn: 0.1730642    total: 2.07s  remaining: 42s
47: learn: 0.1711074    total: 2.13s  remaining: 42.3s
48: learn: 0.1692098    total: 2.14s  remaining: 41.5s
49: learn: 0.1673469    total: 2.17s  remaining: 41.2s
50: learn: 0.1659324    total: 2.2s   remaining: 40.9s
51: learn: 0.1640960    total: 2.22s  remaining: 40.5s
52: learn: 0.1624321    total: 2.26s  remaining: 40.3s
53: learn: 0.1609717    total: 2.33s  remaining: 40.9s
54: learn: 0.1595342    total: 2.34s  remaining: 40.2s
55: learn: 0.1581646    total: 2.37s  remaining: 39.9s
56: learn: 0.1569484    total: 2.39s  remaining: 39.5s
57: learn: 0.1557270    total: 2.39s  remaining: 38.9s
58: learn: 0.1543708    total: 2.4s   remaining: 38.3s
59: learn: 0.1532231    total: 2.44s  remaining: 38.2s
60: learn: 0.1519853    total: 2.45s  remaining: 37.7s
61: learn: 0.1507871    total: 2.52s  remaining: 38.1s
62: learn: 0.1496676    total: 2.55s  remaining: 37.9s
63: learn: 0.1486186    total: 2.58s  remaining: 37.8s
64: learn: 0.1473349    total: 2.6s   remaining: 37.5s
65: learn: 0.1462979    total: 2.62s  remaining: 37.1s
66: learn: 0.1451954    total: 2.68s  remaining: 37.3s
67: learn: 0.1441885    total: 2.71s  remaining: 37.1s
68: learn: 0.1432395    total: 2.75s  remaining: 37.1s
69: learn: 0.1423172    total: 2.76s  remaining: 36.6s
70: learn: 0.1414670    total: 2.8s   remaining: 36.7s
71: learn: 0.1405950    total: 2.82s  remaining: 36.3s
72: learn: 0.1396666    total: 2.84s  remaining: 36.1s
73: learn: 0.1388881    total: 2.86s  remaining: 35.8s
74: learn: 0.1381778    total: 2.89s  remaining: 35.7s
75: learn: 0.1372448    total: 2.92s  remaining: 35.6s
76: learn: 0.1362892    total: 2.95s  remaining: 35.3s
77: learn: 0.1357024    total: 3s    remaining: 35.5s
78: learn: 0.1349494    total: 3.03s  remaining: 35.3s
79: learn: 0.1342082    total: 3.14s  remaining: 36.1s
80: learn: 0.1335611    total: 3.15s  remaining: 35.7s
81: learn: 0.1328801    total: 3.18s  remaining: 35.6s
82: learn: 0.1320628    total: 3.24s  remaining: 35.8s
83: learn: 0.1314601    total: 3.29s  remaining: 35.9s
84: learn: 0.1307844    total: 3.31s  remaining: 35.6s
85: learn: 0.1301512    total: 3.35s  remaining: 35.6s
86: learn: 0.1293765    total: 3.4s   remaining: 35.7s

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87: learn: 0.1287935      total: 3.47s  remaining: 36s
88: learn: 0.1281143      total: 3.52s  remaining: 36s
89: learn: 0.1274194      total: 3.54s  remaining: 35.9s
90: learn: 0.1267044      total: 3.57s  remaining: 35.6s
91: learn: 0.1261461      total: 3.58s  remaining: 35.3s
92: learn: 0.1256074      total: 3.6s   remaining: 35.1s
93: learn: 0.1250752      total: 3.61s  remaining: 34.8s
94: learn: 0.1245816      total: 3.62s  remaining: 34.5s
95: learn: 0.1238676      total: 3.66s  remaining: 34.5s
96: learn: 0.1233083      total: 3.73s  remaining: 34.7s
97: learn: 0.1227819      total: 3.74s  remaining: 34.4s
98: learn: 0.1222428      total: 3.75s  remaining: 34.2s
99: learn: 0.1217864      total: 3.77s  remaining: 34s
100: learn: 0.1213170     total: 3.8s   remaining: 33.8s
101: learn: 0.1210168     total: 3.81s  remaining: 33.6s
102: learn: 0.1204720     total: 3.82s  remaining: 33.3s
103: learn: 0.1198671     total: 3.83s  remaining: 33s
104: learn: 0.1192911     total: 3.84s  remaining: 32.7s
105: learn: 0.1189237     total: 3.87s  remaining: 32.6s
106: learn: 0.1184976     total: 3.88s  remaining: 32.4s
107: learn: 0.1179686     total: 3.89s  remaining: 32.1s
108: learn: 0.1176295     total: 3.9s   remaining: 31.9s
109: learn: 0.1172677     total: 3.95s  remaining: 32s
110: learn: 0.1168331     total: 4s    remaining: 32s
111: learn: 0.1164739     total: 4.01s  remaining: 31.8s
112: learn: 0.1161415     total: 4.05s  remaining: 31.8s
113: learn: 0.1156936     total: 4.09s  remaining: 31.8s
114: learn: 0.1153032     total: 4.12s  remaining: 31.7s
115: learn: 0.1150468     total: 4.16s  remaining: 31.7s
116: learn: 0.1145727     total: 4.17s  remaining: 31.5s
954: learn: 0.0320065     total: 36.7s  remaining: 1.73s
955: learn: 0.0319824     total: 36.8s  remaining: 1.69s
956: learn: 0.0319467     total: 36.8s  remaining: 1.65s
957: learn: 0.0319082     total: 36.8s  remaining: 1.61s
958: learn: 0.0318545     total: 36.8s  remaining: 1.57s
959: learn: 0.0318074     total: 36.9s  remaining: 1.54s
960: learn: 0.0317715     total: 36.9s  remaining: 1.5s
961: learn: 0.0317341     total: 36.9s  remaining: 1.46s
962: learn: 0.0317015     total: 36.9s  remaining: 1.42s
963: learn: 0.0316756     total: 37s   remaining: 1.38s
964: learn: 0.0316130     total: 37s   remaining: 1.34s
965: learn: 0.0315843     total: 37s   remaining: 1.3s
966: learn: 0.0315812     total: 37s   remaining: 1.26s
967: learn: 0.0315359     total: 37s   remaining: 1.22s
968: learn: 0.0315023     total: 37.1s  remaining: 1.19s
969: learn: 0.0314175     total: 37.1s  remaining: 1.15s
970: learn: 0.0313780     total: 37.1s  remaining: 1.11s
971: learn: 0.0313273     total: 37.2s  remaining: 1.07s
972: learn: 0.0313196     total: 37.2s  remaining: 1.03s
973: learn: 0.0312779     total: 37.2s  remaining: 993ms
974: learn: 0.0312144     total: 37.2s  remaining: 954ms
975: learn: 0.0312040     total: 37.2s  remaining: 915ms
976: learn: 0.0311432     total: 37.2s  remaining: 876ms
977: learn: 0.0310780     total: 37.2s  remaining: 837ms
978: learn: 0.0310416     total: 37.2s  remaining: 798ms
979: learn: 0.0310386     total: 37.2s  remaining: 760ms
980: learn: 0.0310098     total: 37.2s  remaining: 721ms
981: learn: 0.0309472     total: 37.3s  remaining: 683ms
982: learn: 0.0309047     total: 37.3s  remaining: 645ms
983: learn: 0.0308643     total: 37.3s  remaining: 607ms
984: learn: 0.0308354     total: 37.3s  remaining: 569ms
985: learn: 0.0307887     total: 37.4s  remaining: 531ms
986: learn: 0.0307639     total: 37.4s  remaining: 493ms
987: learn: 0.0307438     total: 37.5s  remaining: 455ms

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		houses_kaggle_competition_refined
988:	learn: 0.0306907	total: 37.5s remaining: 417ms
989:	learn: 0.0306711	total: 37.5s remaining: 379ms
990:	learn: 0.0306426	total: 37.6s remaining: 341ms
991:	learn: 0.0305955	total: 37.6s remaining: 303ms
992:	learn: 0.0305805	total: 37.6s remaining: 265ms
993:	learn: 0.0305325	total: 37.6s remaining: 227ms
994:	learn: 0.0304857	total: 37.7s remaining: 189ms
995:	learn: 0.0304639	total: 37.7s remaining: 151ms
996:	learn: 0.0304214	total: 37.7s remaining: 113ms
997:	learn: 0.0303927	total: 37.8s remaining: 75.7ms
998:	learn: 0.0303724	total: 37.8s remaining: 37.8ms
999:	learn: 0.0303416	total: 37.8s remaining: 0us
Learning rate set to 0.040504		
0:	learn: 0.3841807	total: 380ms remaining: 6m 19s
1:	learn: 0.3741698	total: 559ms remaining: 4m 38s
2:	learn: 0.3643668	total: 680ms remaining: 3m 46s
3:	learn: 0.3554692	total: 695ms remaining: 2m 53s
4:	learn: 0.3474041	total: 737ms remaining: 2m 26s
5:	learn: 0.3389539	total: 772ms remaining: 2m 7s
6:	learn: 0.3308287	total: 811ms remaining: 1m 54s
7:	learn: 0.3226774	total: 842ms remaining: 1m 44s
8:	learn: 0.3152628	total: 910ms remaining: 1m 40s
9:	learn: 0.3073960	total: 941ms remaining: 1m 33s
10:	learn: 0.3010220	total: 965ms remaining: 1m 26s
11:	learn: 0.2937620	total: 1.01s remaining: 1m 23s
12:	learn: 0.2871682	total: 1.03s remaining: 1m 18s
13:	learn: 0.2809037	total: 1.06s remaining: 1m 14s
14:	learn: 0.2748164	total: 1.13s remaining: 1m 14s
15:	learn: 0.2698860	total: 1.2s remaining: 1m 13s
16:	learn: 0.2647785	total: 1.22s remaining: 1m 10s
17:	learn: 0.2593652	total: 1.23s remaining: 1m 7s
18:	learn: 0.2542220	total: 1.28s remaining: 1m 6s
19:	learn: 0.2494226	total: 1.41s remaining: 1m 8s
20:	learn: 0.2445260	total: 1.49s remaining: 1m 9s
21:	learn: 0.2399317	total: 1.52s remaining: 1m 7s
22:	learn: 0.2358312	total: 1.53s remaining: 1m 4s
23:	learn: 0.2313805	total: 1.58s remaining: 1m 4s
24:	learn: 0.2271318	total: 1.59s remaining: 1m 2s
25:	learn: 0.2231030	total: 1.65s remaining: 1m 1s
26:	learn: 0.2192234	total: 1.67s remaining: 1m
27:	learn: 0.2155455	total: 1.73s remaining: 1m
28:	learn: 0.2119863	total: 1.75s remaining: 58.8s
29:	learn: 0.2087259	total: 1.78s remaining: 57.6s
30:	learn: 0.2054883	total: 1.83s remaining: 57.4s
31:	learn: 0.2019636	total: 1.84s remaining: 55.7s
32:	learn: 0.1987799	total: 1.84s remaining: 54.1s
33:	learn: 0.1957902	total: 1.91s remaining: 54.4s
34:	learn: 0.1930212	total: 2s remaining: 55s
35:	learn: 0.1903356	total: 2.03s remaining: 54.4s
36:	learn: 0.1880191	total: 2.1s remaining: 54.8s
37:	learn: 0.1854479	total: 2.21s remaining: 55.9s
38:	learn: 0.1830116	total: 2.26s remaining: 55.7s
39:	learn: 0.1804896	total: 2.3s remaining: 55.2s
40:	learn: 0.1782671	total: 2.3s remaining: 53.9s
41:	learn: 0.1761444	total: 2.33s remaining: 53.2s
42:	learn: 0.1737900	total: 2.35s remaining: 52.3s
43:	learn: 0.1716457	total: 2.38s remaining: 51.8s
44:	learn: 0.1693916	total: 2.39s remaining: 50.7s
45:	learn: 0.1675805	total: 2.42s remaining: 50.2s
46:	learn: 0.1657380	total: 2.45s remaining: 49.7s
47:	learn: 0.1639436	total: 2.47s remaining: 49s
48:	learn: 0.1622664	total: 2.51s remaining: 48.7s
49:	learn: 0.1606573	total: 2.53s remaining: 48s
50:	learn: 0.1588437	total: 2.55s remaining: 47.5s

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51: learn: 0.1571666   total: 2.58s   remaining: 47.1s
52: learn: 0.1556856   total: 2.6s    remaining: 46.5s
53: learn: 0.1542051   total: 2.61s   remaining: 45.7s
54: learn: 0.1530531   total: 2.65s   remaining: 45.5s
55: learn: 0.1516701   total: 2.69s   remaining: 45.4s
56: learn: 0.1502724   total: 2.73s   remaining: 45.1s
57: learn: 0.1489965   total: 2.73s   remaining: 44.4s
58: learn: 0.1478146   total: 2.76s   remaining: 44.1s
59: learn: 0.1464979   total: 2.77s   remaining: 43.4s
60: learn: 0.1452778   total: 2.77s   remaining: 42.7s
61: learn: 0.1440457   total: 2.78s   remaining: 42.1s
62: learn: 0.1431030   total: 2.8s    remaining: 41.6s
63: learn: 0.1419575   total: 2.84s   remaining: 41.5s
64: learn: 0.1408149   total: 2.85s   remaining: 41s
65: learn: 0.1398797   total: 2.89s   remaining: 40.8s
66: learn: 0.1387037   total: 2.92s   remaining: 40.7s
67: learn: 0.1376274   total: 2.97s   remaining: 40.7s
68: learn: 0.1366767   total: 3s     remaining: 40.5s
69: learn: 0.1360285   total: 3.06s   remaining: 40.7s
70: learn: 0.1350933   total: 3.13s   remaining: 40.9s
71: learn: 0.1342645   total: 3.19s   remaining: 41.2s
72: learn: 0.1335634   total: 3.23s   remaining: 41s
73: learn: 0.1328237   total: 3.28s   remaining: 41.1s
74: learn: 0.1320865   total: 3.33s   remaining: 41.1s
75: learn: 0.1313327   total: 3.39s   remaining: 41.2s
76: learn: 0.1304705   total: 3.4s    remaining: 40.7s
77: learn: 0.1297641   total: 3.49s   remaining: 41.2s
78: learn: 0.1291146   total: 3.5s    remaining: 40.7s
79: learn: 0.1283941   total: 3.59s   remaining: 41.3s
80: learn: 0.1276307   total: 3.62s   remaining: 41.1s
81: learn: 0.1270320   total: 3.68s   remaining: 41.2s
82: learn: 0.1263238   total: 3.72s   remaining: 41.1s
83: learn: 0.1257653   total: 3.73s   remaining: 40.7s
84: learn: 0.1251521   total: 3.78s   remaining: 40.7s
85: learn: 0.1245527   total: 3.81s   remaining: 40.5s
86: learn: 0.1238833   total: 3.84s   remaining: 40.3s
87: learn: 0.1231787   total: 3.85s   remaining: 40s
88: learn: 0.1224083   total: 3.88s   remaining: 39.7s
89: learn: 0.1218304   total: 3.91s   remaining: 39.5s
90: learn: 0.1212462   total: 3.93s   remaining: 39.3s
91: learn: 0.1207230   total: 3.99s   remaining: 39.4s
92: learn: 0.1201971   total: 4.01s   remaining: 39.1s
93: learn: 0.1196646   total: 4.06s   remaining: 39.1s
94: learn: 0.1191937   total: 4.09s   remaining: 38.9s
95: learn: 0.1187753   total: 4.11s   remaining: 38.7s
96: learn: 0.1182400   total: 4.15s   remaining: 38.6s
97: learn: 0.1177754   total: 4.17s   remaining: 38.4s
98: learn: 0.1172948   total: 4.21s   remaining: 38.4s
99: learn: 0.1167117   total: 4.25s   remaining: 38.3s
100: learn: 0.1161644  total: 4.26s   remaining: 37.9s
101: learn: 0.1157552  total: 4.31s   remaining: 38s
102: learn: 0.1153510  total: 4.36s   remaining: 38s
103: learn: 0.1149475  total: 4.41s   remaining: 38s
104: learn: 0.1144761  total: 4.42s   remaining: 37.7s
105: learn: 0.1141192  total: 4.47s   remaining: 37.7s
106: learn: 0.1135867  total: 4.48s   remaining: 37.4s
107: learn: 0.1132173  total: 4.53s   remaining: 37.5s
108: learn: 0.1128672  total: 4.59s   remaining: 37.5s
109: learn: 0.1124592  total: 4.6s    remaining: 37.2s
110: learn: 0.1119493  total: 4.7s    remaining: 37.7s
111: learn: 0.1116061  total: 4.73s   remaining: 37.5s
112: learn: 0.1111683  total: 4.75s   remaining: 37.3s
957: learn: 0.0291924  total: 36.8s   remaining: 1.61s
958: learn: 0.0291434  total: 36.8s   remaining: 1.57s

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houses_kaggle_competition_refined

959: learn: 0.0291144    total: 36.9s   remaining: 1.53s
960: learn: 0.0290933    total: 36.9s   remaining: 1.5s
961: learn: 0.0290727    total: 36.9s   remaining: 1.46s
962: learn: 0.0290382    total: 36.9s   remaining: 1.42s
963: learn: 0.0289661    total: 37s     remaining: 1.38s
964: learn: 0.0289282    total: 37s     remaining: 1.34s
965: learn: 0.0288884    total: 37s     remaining: 1.3s
966: learn: 0.0288395    total: 37s     remaining: 1.26s
967: learn: 0.0288083    total: 37s     remaining: 1.22s
968: learn: 0.0287926    total: 37.1s   remaining: 1.19s
969: learn: 0.0287383    total: 37.1s   remaining: 1.15s
970: learn: 0.0286913    total: 37.1s   remaining: 1.11s
971: learn: 0.0286685    total: 37.2s   remaining: 1.07s
972: learn: 0.0286359    total: 37.2s   remaining: 1.03s
973: learn: 0.0286051    total: 37.2s   remaining: 994ms
974: learn: 0.0285597    total: 37.3s   remaining: 955ms
975: learn: 0.0285287    total: 37.3s   remaining: 918ms
976: learn: 0.0284907    total: 37.3s   remaining: 879ms
977: learn: 0.0284619    total: 37.4s   remaining: 841ms
978: learn: 0.0284039    total: 37.4s   remaining: 803ms
979: learn: 0.0283516    total: 37.5s   remaining: 765ms
980: learn: 0.0283165    total: 37.5s   remaining: 726ms
981: learn: 0.0282793    total: 37.5s   remaining: 688ms
982: learn: 0.0282299    total: 37.5s   remaining: 649ms
983: learn: 0.0281935    total: 37.6s   remaining: 611ms
984: learn: 0.0281476    total: 37.6s   remaining: 573ms
985: learn: 0.0281230    total: 37.6s   remaining: 534ms
986: learn: 0.0280892    total: 37.7s   remaining: 496ms
987: learn: 0.0280433    total: 37.7s   remaining: 458ms
988: learn: 0.0280236    total: 37.7s   remaining: 419ms
989: learn: 0.0279814    total: 37.7s   remaining: 381ms
990: learn: 0.0279542    total: 37.8s   remaining: 343ms
991: learn: 0.0279507    total: 37.8s   remaining: 305ms
992: learn: 0.0279277    total: 37.8s   remaining: 267ms
993: learn: 0.0279079    total: 37.8s   remaining: 228ms
994: learn: 0.0278818    total: 37.8s   remaining: 190ms
995: learn: 0.0278456    total: 37.9s   remaining: 152ms
996: learn: 0.0278062    total: 37.9s   remaining: 114ms
997: learn: 0.0277642    total: 37.9s   remaining: 76ms
998: learn: 0.0277278    total: 37.9s   remaining: 38ms
999: learn: 0.0276869    total: 37.9s   remaining: 0us

Learning rate set to 0.040504

0: learn: 0.3850498    total: 289ms  remaining: 4m 48s
1: learn: 0.3758301    total: 370ms  remaining: 3m 4s
2: learn: 0.3659430    total: 444ms  remaining: 2m 27s
3: learn: 0.3568277    total: 518ms  remaining: 2m 8s
4: learn: 0.3478342    total: 615ms  remaining: 2m 2s
5: learn: 0.3402632    total: 624ms  remaining: 1m 43s
6: learn: 0.3318622    total: 737ms  remaining: 1m 44s
7: learn: 0.3243872    total: 746ms  remaining: 1m 32s
8: learn: 0.3171337    total: 807ms  remaining: 1m 28s
9: learn: 0.3097619    total: 855ms  remaining: 1m 24s
10: learn: 0.3023905   total: 937ms  remaining: 1m 24s
11: learn: 0.2960512   total: 965ms  remaining: 1m 19s
12: learn: 0.2900109   total: 1s     remaining: 1m 16s
13: learn: 0.2845920   total: 1.02s  remaining: 1m 11s
14: learn: 0.2787560   total: 1.03s  remaining: 1m 7s
15: learn: 0.2726968   total: 1.06s  remaining: 1m 5s
16: learn: 0.2669193   total: 1.08s  remaining: 1m 2s
17: learn: 0.2616980   total: 1.09s  remaining: 59.4s
18: learn: 0.2571299   total: 1.11s  remaining: 57.2s
19: learn: 0.2525868   total: 1.11s  remaining: 54.5s
20: learn: 0.2478875   total: 1.12s  remaining: 52.1s
21: learn: 0.2436118   total: 1.12s  remaining: 49.9s

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22: learn: 0.2391781    total: 1.13s  remaining: 47.8s
23: learn: 0.2348522    total: 1.14s  remaining: 46.2s
24: learn: 0.2306085    total: 1.14s  remaining: 44.5s
25: learn: 0.2263645    total: 1.2s   remaining: 44.9s
26: learn: 0.2223559    total: 1.21s  remaining: 43.5s
27: learn: 0.2184036    total: 1.21s  remaining: 42.2s
28: learn: 0.2147934    total: 1.24s  remaining: 41.5s
29: learn: 0.2111695    total: 1.3s   remaining: 42.2s
30: learn: 0.2077399    total: 1.31s  remaining: 41s
31: learn: 0.2044289    total: 1.36s  remaining: 41.3s
32: learn: 0.2012763    total: 1.38s  remaining: 40.6s
33: learn: 0.1981798    total: 1.4s   remaining: 39.8s
34: learn: 0.1952518    total: 1.41s  remaining: 39s
35: learn: 0.1924232    total: 1.42s  remaining: 38s
36: learn: 0.1899635    total: 1.44s  remaining: 37.4s
37: learn: 0.1873572    total: 1.45s  remaining: 36.7s
38: learn: 0.1847037    total: 1.47s  remaining: 36.1s
39: learn: 0.1824818    total: 1.49s  remaining: 35.7s
40: learn: 0.1801785    total: 1.58s  remaining: 36.9s
41: learn: 0.1776015    total: 1.62s  remaining: 36.9s
42: learn: 0.1753981    total: 1.63s  remaining: 36.2s
43: learn: 0.1733809    total: 1.68s  remaining: 36.5s
44: learn: 0.1712893    total: 1.7s   remaining: 36.2s
45: learn: 0.1694600    total: 1.71s  remaining: 35.5s
46: learn: 0.1672255    total: 1.79s  remaining: 36.3s
47: learn: 0.1654133    total: 1.86s  remaining: 36.9s
48: learn: 0.1635814    total: 1.88s  remaining: 36.5s
49: learn: 0.1620037    total: 1.9s   remaining: 36.1s
50: learn: 0.1606548    total: 1.91s  remaining: 35.6s
51: learn: 0.1591614    total: 1.92s  remaining: 35s
52: learn: 0.1575320    total: 1.96s  remaining: 35.1s
53: learn: 0.1559690    total: 1.97s  remaining: 34.5s
54: learn: 0.1545168    total: 2.01s  remaining: 34.6s
55: learn: 0.1532511    total: 2.04s  remaining: 34.3s
56: learn: 0.1517467    total: 2.07s  remaining: 34.2s
57: learn: 0.1505659    total: 2.11s  remaining: 34.3s
58: learn: 0.1492035    total: 2.14s  remaining: 34.1s
59: learn: 0.1479785    total: 2.17s  remaining: 34.1s
60: learn: 0.1469165    total: 2.2s   remaining: 33.9s
61: learn: 0.1457911    total: 2.25s  remaining: 34.1s
62: learn: 0.1447273    total: 2.29s  remaining: 34.1s
63: learn: 0.1436843    total: 2.3s   remaining: 33.7s
64: learn: 0.1424529    total: 2.32s  remaining: 33.4s
65: learn: 0.1413127    total: 2.34s  remaining: 33.1s
66: learn: 0.1402624    total: 2.35s  remaining: 32.8s
67: learn: 0.1393524    total: 2.4s   remaining: 32.9s
68: learn: 0.1384123    total: 2.43s  remaining: 32.8s
69: learn: 0.1372565    total: 2.46s  remaining: 32.6s
70: learn: 0.1362776    total: 2.48s  remaining: 32.4s
71: learn: 0.1353801    total: 2.49s  remaining: 32.1s
72: learn: 0.1345987    total: 2.51s  remaining: 31.9s
73: learn: 0.1335963    total: 2.58s  remaining: 32.3s
74: learn: 0.1328561    total: 2.6s   remaining: 32s
75: learn: 0.1320284    total: 2.63s  remaining: 31.9s
76: learn: 0.1313353    total: 2.64s  remaining: 31.6s
77: learn: 0.1305602    total: 2.66s  remaining: 31.4s
78: learn: 0.1297280    total: 2.71s  remaining: 31.6s
79: learn: 0.1291510    total: 2.76s  remaining: 31.7s
80: learn: 0.1285351    total: 2.77s  remaining: 31.4s
81: learn: 0.1277418    total: 2.82s  remaining: 31.6s
82: learn: 0.1269468    total: 2.87s  remaining: 31.7s
83: learn: 0.1263009    total: 2.9s   remaining: 31.6s
84: learn: 0.1257174    total: 2.91s  remaining: 31.3s
85: learn: 0.1250186    total: 2.96s  remaining: 31.5s

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86: learn: 0.1244501    total: 3.02s  remaining: 31.7s
87: learn: 0.1239756    total: 3.03s  remaining: 31.4s
88: learn: 0.1232079    total: 3.04s  remaining: 31.2s
89: learn: 0.1226239    total: 3.06s  remaining: 30.9s
90: learn: 0.1220304    total: 3.08s  remaining: 30.8s
91: learn: 0.1215026    total: 3.12s  remaining: 30.8s
92: learn: 0.1208715    total: 3.15s  remaining: 30.8s
93: learn: 0.1203297    total: 3.18s  remaining: 30.6s
94: learn: 0.1196627    total: 3.18s  remaining: 30.3s
95: learn: 0.1189666    total: 3.19s  remaining: 30s
96: learn: 0.1184432    total: 3.21s  remaining: 29.9s
97: learn: 0.1179045    total: 3.22s  remaining: 29.7s
98: learn: 0.1173387    total: 3.24s  remaining: 29.5s
99: learn: 0.1167345    total: 3.27s  remaining: 29.4s
100: learn: 0.1162807   total: 3.3s   remaining: 29.3s
101: learn: 0.1158747   total: 3.31s  remaining: 29.1s
102: learn: 0.1154755   total: 3.32s  remaining: 28.9s
103: learn: 0.1149832   total: 3.33s  remaining: 28.7s
104: learn: 0.1143978   total: 3.33s  remaining: 28.4s
105: learn: 0.1139533   total: 3.34s  remaining: 28.2s
106: learn: 0.1135308   total: 3.34s  remaining: 27.9s
107: learn: 0.1131100   total: 3.35s  remaining: 27.7s
108: learn: 0.1127015   total: 3.36s  remaining: 27.4s
109: learn: 0.1122541   total: 3.41s  remaining: 27.6s
110: learn: 0.1117973   total: 3.44s  remaining: 27.6s
111: learn: 0.1114258   total: 3.48s  remaining: 27.6s
112: learn: 0.1110913   total: 3.49s  remaining: 27.4s
113: learn: 0.1106394   total: 3.5s   remaining: 27.2s
114: learn: 0.1102939   total: 3.53s  remaining: 27.1s
115: learn: 0.1100203   total: 3.56s  remaining: 27.2s
115: learn: 0.1100360   total: 3.87s  remaining: 29.5s
116: learn: 0.1098082   total: 3.98s  remaining: 30.1s
117: learn: 0.1095788   total: 4.03s  remaining: 30.1s
118: learn: 0.1092375   total: 4.04s  remaining: 29.9s
119: learn: 0.1087991   total: 4.14s  remaining: 30.4s
120: learn: 0.1084971   total: 4.19s  remaining: 30.5s
121: learn: 0.1083297   total: 4.24s  remaining: 30.5s
122: learn: 0.1079102   total: 4.26s  remaining: 30.4s
123: learn: 0.1075395   total: 4.28s  remaining: 30.3s
124: learn: 0.1073028   total: 4.33s  remaining: 30.3s
125: learn: 0.1070840   total: 4.37s  remaining: 30.3s
126: learn: 0.1067881   total: 4.41s  remaining: 30.3s
127: learn: 0.1064764   total: 4.45s  remaining: 30.3s
128: learn: 0.1062342   total: 4.48s  remaining: 30.3s
129: learn: 0.1060311   total: 4.52s  remaining: 30.3s
130: learn: 0.1056170   total: 4.54s  remaining: 30.1s
131: learn: 0.1053594   total: 4.57s  remaining: 30s
132: learn: 0.1049830   total: 4.61s  remaining: 30.1s
133: learn: 0.1046475   total: 4.63s  remaining: 29.9s
134: learn: 0.1043797   total: 4.66s  remaining: 29.9s
135: learn: 0.1039522   total: 4.68s  remaining: 29.7s
136: learn: 0.1036075   total: 4.71s  remaining: 29.7s
137: learn: 0.1034364   total: 4.73s  remaining: 29.5s
138: learn: 0.1032578   total: 4.74s  remaining: 29.3s
139: learn: 0.1030840   total: 4.76s  remaining: 29.2s
140: learn: 0.1027993   total: 4.77s  remaining: 29s
141: learn: 0.1025950   total: 4.78s  remaining: 28.9s
142: learn: 0.1023656   total: 4.79s  remaining: 28.7s
143: learn: 0.1021984   total: 4.8s   remaining: 28.5s
144: learn: 0.1020178   total: 4.83s  remaining: 28.5s
145: learn: 0.1017220   total: 4.84s  remaining: 28.3s
146: learn: 0.1014826   total: 4.88s  remaining: 28.3s
147: learn: 0.1012122   total: 4.88s  remaining: 28.1s
148: learn: 0.1010042   total: 4.9s   remaining: 28s

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149: learn: 0.1007952      total: 4.93s  remaining: 27.9s
150: learn: 0.1005369      total: 4.93s  remaining: 27.7s
151: learn: 0.1003261      total: 4.97s  remaining: 27.7s
152: learn: 0.1000887      total: 4.97s  remaining: 27.5s
153: learn: 0.0999084      total: 4.98s  remaining: 27.4s
154: learn: 0.0997316      total: 4.99s  remaining: 27.2s
155: learn: 0.0994744      total: 5.07s  remaining: 27.4s
156: learn: 0.0993072      total: 5.08s  remaining: 27.3s
157: learn: 0.0989419      total: 5.11s  remaining: 27.2s
158: learn: 0.0986327      total: 5.18s  remaining: 27.4s
159: learn: 0.0985024      total: 5.2s   remaining: 27.3s
160: learn: 0.0983121      total: 5.29s  remaining: 27.6s
161: learn: 0.0980876      total: 5.33s  remaining: 27.6s
162: learn: 0.0978504      total: 5.37s  remaining: 27.5s
163: learn: 0.0977117      total: 5.4s   remaining: 27.5s
164: learn: 0.0976053      total: 5.44s  remaining: 27.5s
165: learn: 0.0974833      total: 5.49s  remaining: 27.6s
166: learn: 0.0971584      total: 5.5s   remaining: 27.4s
167: learn: 0.0970671      total: 5.58s  remaining: 27.7s
168: learn: 0.0967931      total: 5.66s  remaining: 27.8s
169: learn: 0.0965929      total: 5.71s  remaining: 27.9s
170: learn: 0.0964777      total: 5.75s  remaining: 27.9s
171: learn: 0.0961947      total: 5.79s  remaining: 27.9s
172: learn: 0.0960221      total: 5.84s  remaining: 27.9s
173: learn: 0.0957527      total: 5.89s  remaining: 28s
174: learn: 0.0956145      total: 5.91s  remaining: 27.8s
175: learn: 0.0954217      total: 5.99s  remaining: 28s
176: learn: 0.0952329      total: 5.99s  remaining: 27.9s
177: learn: 0.0949980      total: 6.03s  remaining: 27.9s
178: learn: 0.0946619      total: 6.07s  remaining: 27.8s
179: learn: 0.0944655      total: 6.09s  remaining: 27.7s
180: learn: 0.0942782      total: 6.1s   remaining: 27.6s
181: learn: 0.0941403      total: 6.11s  remaining: 27.4s
182: learn: 0.0939837      total: 6.12s  remaining: 27.3s
183: learn: 0.0937962      total: 6.15s  remaining: 27.3s
184: learn: 0.0937100      total: 6.17s  remaining: 27.2s
185: learn: 0.0935270      total: 6.18s  remaining: 27s
186: learn: 0.0933132      total: 6.19s  remaining: 26.9s
187: learn: 0.0931370      total: 6.21s  remaining: 26.8s
188: learn: 0.0930737      total: 6.22s  remaining: 26.7s
189: learn: 0.0929208      total: 6.3s   remaining: 26.9s
190: learn: 0.0927599      total: 6.34s  remaining: 26.9s
191: learn: 0.0925489      total: 6.35s  remaining: 26.7s
192: learn: 0.0923590      total: 6.36s  remaining: 26.6s
193: learn: 0.0922736      total: 6.4s   remaining: 26.6s
194: learn: 0.0920084      total: 6.42s  remaining: 26.5s
195: learn: 0.0917454      total: 6.44s  remaining: 26.4s
196: learn: 0.0916403      total: 6.47s  remaining: 26.4s
197: learn: 0.0914849      total: 6.52s  remaining: 26.4s
198: learn: 0.0913349      total: 6.57s  remaining: 26.5s
199: learn: 0.0911809      total: 6.61s  remaining: 26.4s
200: learn: 0.0908496      total: 6.64s  remaining: 26.4s
201: learn: 0.0906427      total: 6.68s  remaining: 26.4s
202: learn: 0.0904298      total: 6.7s   remaining: 26.3s
203: learn: 0.0902533      total: 6.8s   remaining: 26.5s
204: learn: 0.0901338      total: 6.85s  remaining: 26.6s
205: learn: 0.0899907      total: 6.87s  remaining: 26.5s
206: learn: 0.0898197      total: 6.9s   remaining: 26.4s
207: learn: 0.0896724      total: 6.92s  remaining: 26.4s
208: learn: 0.0895062      total: 6.94s  remaining: 26.3s
209: learn: 0.0892116      total: 6.96s  remaining: 26.2s
210: learn: 0.0890911      total: 7.02s  remaining: 26.2s
211: learn: 0.0890258      total: 7.03s  remaining: 26.1s
212: learn: 0.0889299      total: 7.06s  remaining: 26.1s

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213: learn: 0.0887229    total: 7.1s    remaining: 26.1s
214: learn: 0.0885986    total: 7.12s   remaining: 26s
215: learn: 0.0884680    total: 7.15s   remaining: 25.9s
216: learn: 0.0883537    total: 7.18s   remaining: 25.9s
217: learn: 0.0882753    total: 7.21s   remaining: 25.8s
218: learn: 0.0882112    total: 7.25s   remaining: 25.9s
219: learn: 0.0880786    total: 7.3s    remaining: 25.9s
220: learn: 0.0879870    total: 7.32s   remaining: 25.8s
221: learn: 0.0879354    total: 7.35s   remaining: 25.8s
222: learn: 0.0877833    total: 7.39s   remaining: 25.8s
223: learn: 0.0875783    total: 7.41s   remaining: 25.7s
224: learn: 0.0874170    total: 7.42s   remaining: 25.6s
225: learn: 0.0873014    total: 7.47s   remaining: 25.6s
226: learn: 0.0870796    total: 7.47s   remaining: 25.5s
227: learn: 0.0869150    total: 7.52s   remaining: 25.5s
228: learn: 0.0867866    total: 7.55s   remaining: 25.4s
229: learn: 0.0865724    total: 7.57s   remaining: 25.3s
230: learn: 0.0864703    total: 7.64s   remaining: 25.4s
231: learn: 0.0863432    total: 7.64s   remaining: 25.3s
232: learn: 0.0861382    total: 7.67s   remaining: 25.2s
233: learn: 0.0860411    total: 7.72s   remaining: 25.3s
234: learn: 0.0859057    total: 7.74s   remaining: 25.2s
235: learn: 0.0858154    total: 7.8s    remaining: 25.2s
236: learn: 0.0856276    total: 7.82s   remaining: 25.2s
237: learn: 0.0854965    total: 7.88s   remaining: 25.2s
238: learn: 0.0853026    total: 7.93s   remaining: 25.2s
239: learn: 0.0851611    total: 7.99s   remaining: 25.3s
240: learn: 0.0850750    total: 8.01s   remaining: 25.2s
241: learn: 0.0849760    total: 8.05s   remaining: 25.2s
242: learn: 0.0849193    total: 8.11s   remaining: 25.3s
243: learn: 0.0848173    total: 8.16s   remaining: 25.3s
244: learn: 0.0846348    total: 8.17s   remaining: 25.2s
245: learn: 0.0844189    total: 8.21s   remaining: 25.2s
246: learn: 0.0842845    total: 8.23s   remaining: 25.1s
247: learn: 0.0840968    total: 8.24s   remaining: 25s
248: learn: 0.0839910    total: 8.3s    remaining: 25s
249: learn: 0.0838021    total: 8.34s   remaining: 25s
250: learn: 0.0837425    total: 8.4s    remaining: 25.1s
251: learn: 0.0835330    total: 8.42s   remaining: 25s
252: learn: 0.0833937    total: 8.44s   remaining: 24.9s
253: learn: 0.0831856    total: 8.47s   remaining: 24.9s
254: learn: 0.0829770    total: 8.5s    remaining: 24.8s
255: learn: 0.0828596    total: 8.54s   remaining: 24.8s
256: learn: 0.0827629    total: 8.56s   remaining: 24.8s
257: learn: 0.0825663    total: 8.63s   remaining: 24.8s
258: learn: 0.0824348    total: 8.65s   remaining: 24.7s
259: learn: 0.0822343    total: 8.67s   remaining: 24.7s
260: learn: 0.0821672    total: 8.7s    remaining: 24.6s
261: learn: 0.0818883    total: 8.72s   remaining: 24.6s
262: learn: 0.0817170    total: 8.79s   remaining: 24.6s
263: learn: 0.0814752    total: 8.8s    remaining: 24.5s
264: learn: 0.0813741    total: 8.81s   remaining: 24.4s
265: learn: 0.0811962    total: 8.85s   remaining: 24.4s
266: learn: 0.0809906    total: 8.87s   remaining: 24.3s
267: learn: 0.0808989    total: 8.88s   remaining: 24.3s
268: learn: 0.0808347    total: 8.93s   remaining: 24.3s
269: learn: 0.0808061    total: 8.95s   remaining: 24.2s
270: learn: 0.0806699    total: 8.96s   remaining: 24.1s
271: learn: 0.0806139    total: 9.03s   remaining: 24.2s
272: learn: 0.0804116    total: 9.08s   remaining: 24.2s
117: learn: 0.1142893    total: 4.21s   remaining: 31.4s
118: learn: 0.1139739    total: 4.22s   remaining: 31.3s
119: learn: 0.1137389    total: 4.28s   remaining: 31.4s
120: learn: 0.1133163    total: 4.31s   remaining: 31.3s

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121: learn: 0.1130441    total: 4.37s  remaining: 31.4s
122: learn: 0.1127714    total: 4.41s  remaining: 31.5s
123: learn: 0.1125386    total: 4.45s  remaining: 31.4s
124: learn: 0.1122913    total: 4.51s  remaining: 31.6s
125: learn: 0.1121192    total: 4.52s  remaining: 31.4s
126: learn: 0.1118401    total: 4.56s  remaining: 31.3s
127: learn: 0.1115053    total: 4.62s  remaining: 31.5s
128: learn: 0.1111937    total: 4.64s  remaining: 31.3s
129: learn: 0.1109579    total: 4.66s  remaining: 31.2s
130: learn: 0.1106025    total: 4.68s  remaining: 31s
131: learn: 0.1102798    total: 4.68s  remaining: 30.8s
132: learn: 0.1101275    total: 4.72s  remaining: 30.8s
133: learn: 0.1098359    total: 4.75s  remaining: 30.7s
134: learn: 0.1095854    total: 4.77s  remaining: 30.6s
135: learn: 0.1093012    total: 4.8s   remaining: 30.5s
136: learn: 0.1089348    total: 4.85s  remaining: 30.5s
137: learn: 0.1086712    total: 4.88s  remaining: 30.5s
138: learn: 0.1083998    total: 4.88s  remaining: 30.3s
139: learn: 0.1082320    total: 4.9s   remaining: 30.1s
140: learn: 0.1079935    total: 4.94s  remaining: 30.1s
141: learn: 0.1077157    total: 4.97s  remaining: 30.1s
142: learn: 0.1073914    total: 5s    remaining: 30s
143: learn: 0.1071182    total: 5.07s  remaining: 30.2s
144: learn: 0.1067965    total: 5.12s  remaining: 30.2s
145: learn: 0.1065917    total: 5.16s  remaining: 30.2s
146: learn: 0.1063572    total: 5.19s  remaining: 30.1s
147: learn: 0.1061429    total: 5.2s   remaining: 29.9s
148: learn: 0.1057733    total: 5.24s  remaining: 29.9s
149: learn: 0.1054341    total: 5.25s  remaining: 29.7s
150: learn: 0.1050921    total: 5.26s  remaining: 29.6s
151: learn: 0.1047315    total: 5.29s  remaining: 29.5s
152: learn: 0.1045604    total: 5.3s   remaining: 29.3s
153: learn: 0.1043479    total: 5.33s  remaining: 29.3s
154: learn: 0.1040163    total: 5.34s  remaining: 29.1s
155: learn: 0.1038728    total: 5.36s  remaining: 29s
156: learn: 0.1037313    total: 5.39s  remaining: 29s
157: learn: 0.1033618    total: 5.42s  remaining: 28.9s
158: learn: 0.1031019    total: 5.46s  remaining: 28.9s
159: learn: 0.1028516    total: 5.47s  remaining: 28.7s
160: learn: 0.1026200    total: 5.49s  remaining: 28.6s
161: learn: 0.1024475    total: 5.55s  remaining: 28.7s
162: learn: 0.1023504    total: 5.58s  remaining: 28.6s
163: learn: 0.1020709    total: 5.59s  remaining: 28.5s
164: learn: 0.1018798    total: 5.63s  remaining: 28.5s
165: learn: 0.1016832    total: 5.63s  remaining: 28.3s
166: learn: 0.1013737    total: 5.67s  remaining: 28.3s
167: learn: 0.1011944    total: 5.72s  remaining: 28.3s
168: learn: 0.1009722    total: 5.73s  remaining: 28.2s
169: learn: 0.1006544    total: 5.77s  remaining: 28.2s
170: learn: 0.1004720    total: 5.81s  remaining: 28.2s
171: learn: 0.1003359    total: 5.82s  remaining: 28s
172: learn: 0.1001256    total: 5.85s  remaining: 28s
173: learn: 0.0999247    total: 5.86s  remaining: 27.8s
174: learn: 0.0995067    total: 5.87s  remaining: 27.7s
175: learn: 0.0993200    total: 5.89s  remaining: 27.6s
176: learn: 0.0991474    total: 5.91s  remaining: 27.5s
177: learn: 0.0990082    total: 5.93s  remaining: 27.4s
178: learn: 0.0988304    total: 5.96s  remaining: 27.3s
179: learn: 0.0986919    total: 5.99s  remaining: 27.3s
180: learn: 0.0986051    total: 6.01s  remaining: 27.2s
181: learn: 0.0984501    total: 6.03s  remaining: 27.1s
182: learn: 0.0982756    total: 6.04s  remaining: 27s
183: learn: 0.0980167    total: 6.07s  remaining: 26.9s
184: learn: 0.0978306    total: 6.09s  remaining: 26.8s

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185: learn: 0.0975994      total: 6.1s    remaining: 26.7s
186: learn: 0.0974063      total: 6.14s   remaining: 26.7s
187: learn: 0.0971903      total: 6.16s   remaining: 26.6s
188: learn: 0.0970646      total: 6.21s   remaining: 26.6s
189: learn: 0.0969272      total: 6.22s   remaining: 26.5s
190: learn: 0.0967947      total: 6.3s    remaining: 26.7s
191: learn: 0.0966726      total: 6.35s   remaining: 26.7s
192: learn: 0.0963479      total: 6.4s    remaining: 26.8s
193: learn: 0.0960869      total: 6.43s   remaining: 26.7s
194: learn: 0.0958250      total: 6.46s   remaining: 26.7s
195: learn: 0.0956995      total: 6.51s   remaining: 26.7s
196: learn: 0.0955453      total: 6.54s   remaining: 26.6s
197: learn: 0.0953168      total: 6.6s    remaining: 26.7s
198: learn: 0.0951639      total: 6.61s   remaining: 26.6s
199: learn: 0.0950972      total: 6.62s   remaining: 26.5s
200: learn: 0.0947433      total: 6.63s   remaining: 26.4s
201: learn: 0.0945938      total: 6.64s   remaining: 26.3s
202: learn: 0.0943626      total: 6.65s   remaining: 26.1s
203: learn: 0.0942130      total: 6.65s   remaining: 26s
204: learn: 0.0940530      total: 6.67s   remaining: 25.9s
205: learn: 0.0938740      total: 6.7s    remaining: 25.8s
206: learn: 0.0936967      total: 6.74s   remaining: 25.8s
207: learn: 0.0934904      total: 6.76s   remaining: 25.8s
208: learn: 0.0933615      total: 6.77s   remaining: 25.6s
209: learn: 0.0931925      total: 6.77s   remaining: 25.5s
210: learn: 0.0929565      total: 6.82s   remaining: 25.5s
211: learn: 0.0928419      total: 6.85s   remaining: 25.5s
212: learn: 0.0926890      total: 6.86s   remaining: 25.4s
213: learn: 0.0925508      total: 6.9s    remaining: 25.3s
214: learn: 0.0922951      total: 6.95s   remaining: 25.4s
215: learn: 0.0920582      total: 6.95s   remaining: 25.2s
216: learn: 0.0917801      total: 7s     remaining: 25.3s
217: learn: 0.0916003      total: 7.03s  remaining: 25.2s
218: learn: 0.0914535      total: 7.04s  remaining: 25.1s
219: learn: 0.0913798      total: 7.06s  remaining: 25s
220: learn: 0.0912651      total: 7.09s  remaining: 25s
221: learn: 0.0910124      total: 7.16s  remaining: 25.1s
222: learn: 0.0908295      total: 7.2s   remaining: 25.1s
223: learn: 0.0905426      total: 7.24s  remaining: 25.1s
224: learn: 0.0904507      total: 7.27s  remaining: 25.1s
225: learn: 0.0900672      total: 7.29s  remaining: 25s
226: learn: 0.0898987      total: 7.32s  remaining: 24.9s
227: learn: 0.0897086      total: 7.34s  remaining: 24.9s
228: learn: 0.0895101      total: 7.36s  remaining: 24.8s
229: learn: 0.0893957      total: 7.44s  remaining: 24.9s
230: learn: 0.0893217      total: 7.46s  remaining: 24.9s
231: learn: 0.0891872      total: 7.49s  remaining: 24.8s
232: learn: 0.0889723      total: 7.5s   remaining: 24.7s
233: learn: 0.0887823      total: 7.58s  remaining: 24.8s
234: learn: 0.0886763      total: 7.62s  remaining: 24.8s
235: learn: 0.0884796      total: 7.66s  remaining: 24.8s
236: learn: 0.0882971      total: 7.69s  remaining: 24.8s
237: learn: 0.0880951      total: 7.75s  remaining: 24.8s
238: learn: 0.0878074      total: 7.76s  remaining: 24.7s
239: learn: 0.0876058      total: 7.82s  remaining: 24.8s
240: learn: 0.0873817      total: 7.84s  remaining: 24.7s
241: learn: 0.0871269      total: 7.89s  remaining: 24.7s
242: learn: 0.0869425      total: 7.9s   remaining: 24.6s
243: learn: 0.0868546      total: 7.94s  remaining: 24.6s
244: learn: 0.0867378      total: 7.95s  remaining: 24.5s
245: learn: 0.0865801      total: 7.97s  remaining: 24.4s
246: learn: 0.0864419      total: 7.99s  remaining: 24.4s
247: learn: 0.0863374      total: 8s    remaining: 24.3s
248: learn: 0.0862021      total: 8.02s remaining: 24.2s

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		houses_kaggle_competition_refined
249:	learn: 0.0861038	total: 8.04s remaining: 24.1s
250:	learn: 0.0859758	total: 8.06s remaining: 24s
251:	learn: 0.0858989	total: 8.07s remaining: 24s
252:	learn: 0.0857984	total: 8.11s remaining: 24s
253:	learn: 0.0855905	total: 8.14s remaining: 23.9s
254:	learn: 0.0855231	total: 8.15s remaining: 23.8s
255:	learn: 0.0854749	total: 8.17s remaining: 23.7s
256:	learn: 0.0854407	total: 8.2s remaining: 23.7s
257:	learn: 0.0853414	total: 8.25s remaining: 23.7s
258:	learn: 0.0851903	total: 8.31s remaining: 23.8s
259:	learn: 0.0849405	total: 8.35s remaining: 23.8s
260:	learn: 0.0848067	total: 8.44s remaining: 23.9s
261:	learn: 0.0847626	total: 8.51s remaining: 24s
262:	learn: 0.0846777	total: 8.53s remaining: 23.9s
263:	learn: 0.0845242	total: 8.61s remaining: 24s
264:	learn: 0.0843218	total: 8.63s remaining: 23.9s
265:	learn: 0.0842928	total: 8.63s remaining: 23.8s
266:	learn: 0.0841518	total: 8.71s remaining: 23.9s
267:	learn: 0.0839649	total: 8.72s remaining: 23.8s
268:	learn: 0.0839371	total: 8.75s remaining: 23.8s
269:	learn: 0.0838094	total: 8.77s remaining: 23.7s
270:	learn: 0.0836320	total: 8.81s remaining: 23.7s
271:	learn: 0.0835480	total: 8.84s remaining: 23.7s
272:	learn: 0.0833743	total: 8.87s remaining: 23.6s
273:	learn: 0.0831895	total: 8.91s remaining: 23.6s
274:	learn: 0.0831529	total: 8.95s remaining: 23.6s
900:	learn: 0.0363102	total: 36.9s remaining: 4.05s
901:	learn: 0.0362777	total: 36.9s remaining: 4.01s
902:	learn: 0.0362410	total: 37s remaining: 3.97s
903:	learn: 0.0361714	total: 37s remaining: 3.93s
904:	learn: 0.0361488	total: 37s remaining: 3.88s
905:	learn: 0.0361081	total: 37s remaining: 3.84s
906:	learn: 0.0360555	total: 37.1s remaining: 3.8s
907:	learn: 0.0360342	total: 37.1s remaining: 3.76s
908:	learn: 0.0359938	total: 37.2s remaining: 3.72s
909:	learn: 0.0359527	total: 37.2s remaining: 3.68s
910:	learn: 0.0358925	total: 37.3s remaining: 3.64s
911:	learn: 0.0358259	total: 37.3s remaining: 3.6s
912:	learn: 0.0357923	total: 37.3s remaining: 3.55s
913:	learn: 0.0357286	total: 37.3s remaining: 3.51s
914:	learn: 0.0357065	total: 37.3s remaining: 3.47s
915:	learn: 0.0356782	total: 37.3s remaining: 3.42s
916:	learn: 0.0356208	total: 37.3s remaining: 3.38s
917:	learn: 0.0355638	total: 37.4s remaining: 3.34s
918:	learn: 0.0355097	total: 37.4s remaining: 3.29s
919:	learn: 0.0354546	total: 37.4s remaining: 3.25s
920:	learn: 0.0354042	total: 37.4s remaining: 3.21s
921:	learn: 0.0353498	total: 37.5s remaining: 3.17s
922:	learn: 0.0353023	total: 37.5s remaining: 3.13s
923:	learn: 0.0352371	total: 37.5s remaining: 3.08s
924:	learn: 0.0351783	total: 37.6s remaining: 3.05s
925:	learn: 0.0351372	total: 37.6s remaining: 3.01s
926:	learn: 0.0350736	total: 37.7s remaining: 2.96s
927:	learn: 0.0350425	total: 37.7s remaining: 2.93s
928:	learn: 0.0350274	total: 37.8s remaining: 2.89s
929:	learn: 0.0349755	total: 37.8s remaining: 2.85s
930:	learn: 0.0349341	total: 37.9s remaining: 2.81s
931:	learn: 0.0348915	total: 37.9s remaining: 2.77s
932:	learn: 0.0348523	total: 38s remaining: 2.73s
933:	learn: 0.0347988	total: 38s remaining: 2.69s
934:	learn: 0.0347492	total: 38.1s remaining: 2.65s
935:	learn: 0.0347197	total: 38.1s remaining: 2.61s
936:	learn: 0.0346731	total: 38.2s remaining: 2.57s
937:	learn: 0.0346304	total: 38.3s remaining: 2.53s

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938: learn: 0.0345860    total: 38.3s  remaining: 2.49s
939: learn: 0.0345624    total: 38.3s  remaining: 2.45s
940: learn: 0.0345070    total: 38.3s  remaining: 2.4s
941: learn: 0.0344650    total: 38.4s  remaining: 2.36s
942: learn: 0.0344315    total: 38.4s  remaining: 2.32s
943: learn: 0.0343765    total: 38.5s  remaining: 2.28s
944: learn: 0.0343251    total: 38.5s  remaining: 2.24s
945: learn: 0.0342593    total: 38.5s  remaining: 2.2s
946: learn: 0.0342146    total: 38.5s  remaining: 2.16s
947: learn: 0.0341729    total: 38.6s  remaining: 2.12s
948: learn: 0.0341513    total: 38.6s  remaining: 2.07s
949: learn: 0.0341195    total: 38.6s  remaining: 2.03s
950: learn: 0.0340676    total: 38.6s  remaining: 1.99s
951: learn: 0.0340134    total: 38.6s  remaining: 1.95s
952: learn: 0.0339710    total: 38.8s  remaining: 1.91s
953: learn: 0.0339144    total: 38.8s  remaining: 1.87s
954: learn: 0.0338466    total: 38.9s  remaining: 1.83s
955: learn: 0.0338038    total: 38.9s  remaining: 1.79s
956: learn: 0.0337395    total: 39s   remaining: 1.75s
957: learn: 0.0336714    total: 39s   remaining: 1.71s
958: learn: 0.0336472    total: 39.1s  remaining: 1.67s
959: learn: 0.0336012    total: 39.1s  remaining: 1.63s
960: learn: 0.0335507    total: 39.2s  remaining: 1.59s
961: learn: 0.0335261    total: 39.2s  remaining: 1.55s
962: learn: 0.0334647    total: 39.2s  remaining: 1.51s
963: learn: 0.0334217    total: 39.3s  remaining: 1.47s
964: learn: 0.0333646    total: 39.3s  remaining: 1.42s
965: learn: 0.0333230    total: 39.3s  remaining: 1.38s
966: learn: 0.0332929    total: 39.3s  remaining: 1.34s
967: learn: 0.0332405    total: 39.3s  remaining: 1.3s
968: learn: 0.0332185    total: 39.4s  remaining: 1.26s
969: learn: 0.0331955    total: 39.4s  remaining: 1.22s
970: learn: 0.0331509    total: 39.4s  remaining: 1.18s
971: learn: 0.0331277    total: 39.4s  remaining: 1.14s
972: learn: 0.0331122    total: 39.5s  remaining: 1.1s
973: learn: 0.0330793    total: 39.6s  remaining: 1.06s
974: learn: 0.0330402    total: 39.6s  remaining: 1.02s
975: learn: 0.0330104    total: 39.7s  remaining: 975ms
976: learn: 0.0329818    total: 39.7s  remaining: 935ms
977: learn: 0.0329247    total: 39.7s  remaining: 893ms
978: learn: 0.0329098    total: 39.8s  remaining: 853ms
979: learn: 0.0328619    total: 39.8s  remaining: 812ms
980: learn: 0.0328174    total: 39.8s  remaining: 771ms
981: learn: 0.0327762    total: 39.8s  remaining: 730ms
982: learn: 0.0327019    total: 39.9s  remaining: 689ms
983: learn: 0.0326699    total: 39.9s  remaining: 648ms
984: learn: 0.0326282    total: 39.9s  remaining: 608ms
985: learn: 0.0325495    total: 39.9s  remaining: 567ms
986: learn: 0.0325052    total: 40s   remaining: 526ms
987: learn: 0.0324898    total: 40s   remaining: 486ms
988: learn: 0.0324199    total: 40s   remaining: 445ms
989: learn: 0.0323741    total: 40.1s  remaining: 405ms
990: learn: 0.0323158    total: 40.2s  remaining: 365ms
991: learn: 0.0322500    total: 40.2s  remaining: 324ms
992: learn: 0.0322278    total: 40.2s  remaining: 284ms
993: learn: 0.0321895    total: 40.3s  remaining: 243ms
994: learn: 0.0321481    total: 40.3s  remaining: 203ms
995: learn: 0.0321267    total: 40.3s  remaining: 162ms
996: learn: 0.0320992    total: 40.4s  remaining: 121ms
997: learn: 0.0320593    total: 40.4s  remaining: 80.9ms
998: learn: 0.0320241    total: 40.4s  remaining: 40.5ms
999: learn: 0.0319884    total: 40.5s  remaining: 0us

Learning rate set to 0.040504
0: learn: 0.3891671    total: 163ms  remaining: 2m 42s

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1: learn: 0.3795011    total: 332ms   remaining: 2m 45s
2: learn: 0.3706626    total: 366ms   remaining: 2m 1s
3: learn: 0.3609691    total: 377ms   remaining: 1m 33s
4: learn: 0.3518633    total: 431ms   remaining: 1m 25s
5: learn: 0.3434009    total: 458ms   remaining: 1m 15s
6: learn: 0.3353000    total: 471ms   remaining: 1m 6s
7: learn: 0.3265055    total: 536ms   remaining: 1m 6s
8: learn: 0.3193943    total: 542ms   remaining: 59.7s
9: learn: 0.3116543    total: 577ms   remaining: 57.1s
10: learn: 0.3062567   total: 589ms   remaining: 53s
11: learn: 0.2992619   total: 631ms   remaining: 51.9s
12: learn: 0.2924790   total: 636ms   remaining: 48.3s
13: learn: 0.2860887   total: 664ms   remaining: 46.8s
14: learn: 0.2797358   total: 669ms   remaining: 44s
15: learn: 0.2739984   total: 678ms   remaining: 41.7s
16: learn: 0.2686445   total: 696ms   remaining: 40.2s
17: learn: 0.2631237   total: 771ms   remaining: 42.1s
18: learn: 0.2582429   total: 799ms   remaining: 41.3s
19: learn: 0.2530333   total: 847ms   remaining: 41.5s
20: learn: 0.2484262   total: 880ms   remaining: 41s
21: learn: 0.2436554   total: 899ms   remaining: 40s
22: learn: 0.2394558   total: 921ms   remaining: 39.1s
23: learn: 0.2350943   total: 941ms   remaining: 38.3s
24: learn: 0.2308824   total: 983ms   remaining: 38.3s
25: learn: 0.2267462   total: 1s      remaining: 37.5s
26: learn: 0.2228174   total: 1.05s   remaining: 37.9s
27: learn: 0.2189298   total: 1.06s   remaining: 36.7s
28: learn: 0.2154348   total: 1.07s   remaining: 35.8s
29: learn: 0.2117060   total: 1.13s   remaining: 36.5s
30: learn: 0.2081079   total: 1.16s   remaining: 36.2s
31: learn: 0.2050234   total: 1.21s   remaining: 36.7s
32: learn: 0.2019209   total: 1.25s   remaining: 36.6s
33: learn: 0.1989469   total: 1.27s   remaining: 36.1s
34: learn: 0.1960550   total: 1.27s   remaining: 35.2s
35: learn: 0.1930633   total: 1.3s     remaining: 34.8s
36: learn: 0.1903669   total: 1.32s   remaining: 34.3s
37: learn: 0.1875075   total: 1.33s   remaining: 33.8s
38: learn: 0.1850555   total: 1.36s   remaining: 33.6s
39: learn: 0.1828939   total: 1.38s   remaining: 33s
40: learn: 0.1806087   total: 1.39s   remaining: 32.5s
41: learn: 0.1784649   total: 1.42s   remaining: 32.5s
42: learn: 0.1763284   total: 1.45s   remaining: 32.2s
43: learn: 0.1740563   total: 1.46s   remaining: 31.8s
44: learn: 0.1720343   total: 1.49s   remaining: 31.6s
45: learn: 0.1699619   total: 1.51s   remaining: 31.3s
46: learn: 0.1678589   total: 1.52s   remaining: 30.9s
47: learn: 0.1660675   total: 1.54s   remaining: 30.5s
48: learn: 0.1640443   total: 1.55s   remaining: 30.2s
49: learn: 0.1623629   total: 1.6s     remaining: 30.4s
50: learn: 0.1604876   total: 1.67s   remaining: 31.2s
51: learn: 0.1588687   total: 1.71s   remaining: 31.1s
52: learn: 0.1575124   total: 1.74s   remaining: 31.1s
53: learn: 0.1558321   total: 1.76s   remaining: 30.9s
54: learn: 0.1543913   total: 1.78s   remaining: 30.5s
55: learn: 0.1531754   total: 1.82s   remaining: 30.6s
56: learn: 0.1516873   total: 1.84s   remaining: 30.4s
57: learn: 0.1503767   total: 1.88s   remaining: 30.5s
58: learn: 0.1489716   total: 1.9s     remaining: 30.3s
113: learn: 0.1108142   total: 4.77s   remaining: 37.1s
114: learn: 0.1103054   total: 4.86s   remaining: 37.4s
115: learn: 0.1097984   total: 4.86s   remaining: 37.1s
116: learn: 0.1094116   total: 4.88s   remaining: 36.8s
117: learn: 0.1090893   total: 4.91s   remaining: 36.7s
118: learn: 0.1088524   total: 4.92s   remaining: 36.4s

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119: learn: 0.1084368    total: 4.96s  remaining: 36.4s
120: learn: 0.1081956    total: 4.97s  remaining: 36.1s
121: learn: 0.1078443    total: 4.98s  remaining: 35.9s
122: learn: 0.1074687    total: 5.03s  remaining: 35.8s
123: learn: 0.1072649    total: 5.04s  remaining: 35.6s
124: learn: 0.1068700    total: 5.06s  remaining: 35.4s
125: learn: 0.1065139    total: 5.08s  remaining: 35.3s
126: learn: 0.1062707    total: 5.13s  remaining: 35.3s
127: learn: 0.1060195    total: 5.2s   remaining: 35.4s
128: learn: 0.1056688    total: 5.22s  remaining: 35.3s
129: learn: 0.1054548    total: 5.24s  remaining: 35.1s
130: learn: 0.1053909    total: 5.26s  remaining: 34.9s
131: learn: 0.1050531    total: 5.28s  remaining: 34.7s
132: learn: 0.1047538    total: 5.29s  remaining: 34.5s
133: learn: 0.1044344    total: 5.31s  remaining: 34.3s
134: learn: 0.1041633    total: 5.32s  remaining: 34.1s
135: learn: 0.1039377    total: 5.33s  remaining: 33.9s
136: learn: 0.1037346    total: 5.34s  remaining: 33.6s
137: learn: 0.1033858    total: 5.35s  remaining: 33.4s
138: learn: 0.1030797    total: 5.4s   remaining: 33.5s
139: learn: 0.1028266    total: 5.42s  remaining: 33.3s
140: learn: 0.1025383    total: 5.43s  remaining: 33.1s
141: learn: 0.1022300    total: 5.49s  remaining: 33.1s
142: learn: 0.1018310    total: 5.51s  remaining: 33s
143: learn: 0.1015163    total: 5.53s  remaining: 32.8s
144: learn: 0.1013585    total: 5.53s  remaining: 32.6s
145: learn: 0.1012241    total: 5.56s  remaining: 32.5s
146: learn: 0.1011170    total: 5.59s  remaining: 32.5s
147: learn: 0.1009832    total: 5.63s  remaining: 32.4s
148: learn: 0.1007918    total: 5.67s  remaining: 32.4s
149: learn: 0.1005318    total: 5.67s  remaining: 32.2s
150: learn: 0.1003608    total: 5.69s  remaining: 32s
151: learn: 0.1001859    total: 5.7s   remaining: 31.8s
152: learn: 0.0999041    total: 5.74s  remaining: 31.8s
153: learn: 0.0996794    total: 5.78s  remaining: 31.8s
154: learn: 0.0993424    total: 5.81s  remaining: 31.7s
155: learn: 0.0991646    total: 5.82s  remaining: 31.5s
156: learn: 0.0989709    total: 5.87s  remaining: 31.5s
157: learn: 0.0988145    total: 5.91s  remaining: 31.5s
158: learn: 0.0986087    total: 5.95s  remaining: 31.5s
159: learn: 0.0984148    total: 5.97s  remaining: 31.3s
160: learn: 0.0981636    total: 5.99s  remaining: 31.2s
161: learn: 0.0980395    total: 6s    remaining: 31.1s
162: learn: 0.0978379    total: 6.05s  remaining: 31.1s
163: learn: 0.0977385    total: 6.08s  remaining: 31s
164: learn: 0.0974646    total: 6.09s  remaining: 30.8s
165: learn: 0.0972889    total: 6.13s  remaining: 30.8s
166: learn: 0.0972208    total: 6.13s  remaining: 30.6s
167: learn: 0.0970190    total: 6.17s  remaining: 30.5s
168: learn: 0.0968043    total: 6.18s  remaining: 30.4s
169: learn: 0.0966075    total: 6.21s  remaining: 30.3s
170: learn: 0.0965429    total: 6.23s  remaining: 30.2s
171: learn: 0.0964800    total: 6.26s  remaining: 30.2s
172: learn: 0.0962220    total: 6.3s   remaining: 30.1s
173: learn: 0.0961664    total: 6.32s  remaining: 30s
174: learn: 0.0959869    total: 6.34s  remaining: 29.9s
175: learn: 0.0958174    total: 6.37s  remaining: 29.8s
176: learn: 0.0957310    total: 6.4s   remaining: 29.7s
177: learn: 0.0956115    total: 6.44s  remaining: 29.7s
178: learn: 0.0953273    total: 6.46s  remaining: 29.6s
179: learn: 0.0952682    total: 6.49s  remaining: 29.6s
180: learn: 0.0951488    total: 6.51s  remaining: 29.5s
181: learn: 0.0950721    total: 6.53s  remaining: 29.3s
182: learn: 0.0949038    total: 6.54s  remaining: 29.2s

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183: learn: 0.0947012      total: 6.56s  remaining: 29.1s
184: learn: 0.0944443      total: 6.58s  remaining: 29s
185: learn: 0.0942677      total: 6.6s   remaining: 28.9s
186: learn: 0.0940880      total: 6.61s  remaining: 28.8s
187: learn: 0.0938767      total: 6.65s  remaining: 28.7s
188: learn: 0.0937210      total: 6.67s  remaining: 28.6s
189: learn: 0.0935611      total: 6.71s  remaining: 28.6s
190: learn: 0.0933620      total: 6.73s  remaining: 28.5s
191: learn: 0.0931203      total: 6.75s  remaining: 28.4s
192: learn: 0.0928765      total: 6.77s  remaining: 28.3s
193: learn: 0.0928154      total: 6.79s  remaining: 28.2s
194: learn: 0.0925869      total: 6.81s  remaining: 28.1s
195: learn: 0.0924247      total: 6.82s  remaining: 28s
196: learn: 0.0921719      total: 6.92s  remaining: 28.2s
197: learn: 0.0920434      total: 6.93s  remaining: 28.1s
198: learn: 0.0918285      total: 7.03s  remaining: 28.3s
199: learn: 0.0916449      total: 7.06s  remaining: 28.2s
200: learn: 0.0915335      total: 7.12s  remaining: 28.3s
201: learn: 0.0914610      total: 7.12s  remaining: 28.1s
202: learn: 0.0913721      total: 7.13s  remaining: 28s
203: learn: 0.0912847      total: 7.16s  remaining: 28s
204: learn: 0.0912179      total: 7.19s  remaining: 27.9s
205: learn: 0.0910721      total: 7.24s  remaining: 27.9s
206: learn: 0.0910097      total: 7.24s  remaining: 27.7s
207: learn: 0.0907754      total: 7.33s  remaining: 27.9s
208: learn: 0.0907039      total: 7.33s  remaining: 27.8s
209: learn: 0.0905284      total: 7.37s  remaining: 27.7s
210: learn: 0.0904615      total: 7.41s  remaining: 27.7s
211: learn: 0.0902239      total: 7.46s  remaining: 27.7s
212: learn: 0.0901948      total: 7.49s  remaining: 27.7s
213: learn: 0.0899297      total: 7.54s  remaining: 27.7s
214: learn: 0.0897965      total: 7.55s  remaining: 27.6s
215: learn: 0.0897296      total: 7.55s  remaining: 27.4s
216: learn: 0.0895515      total: 7.62s  remaining: 27.5s
217: learn: 0.0893899      total: 7.64s  remaining: 27.4s
218: learn: 0.0892761      total: 7.67s  remaining: 27.3s
219: learn: 0.0891204      total: 7.71s  remaining: 27.3s
220: learn: 0.0890691      total: 7.71s  remaining: 27.2s
221: learn: 0.0887341      total: 7.72s  remaining: 27.1s
222: learn: 0.0886690      total: 7.72s  remaining: 26.9s
223: learn: 0.0885349      total: 7.78s  remaining: 26.9s
224: learn: 0.0883558      total: 7.78s  remaining: 26.8s
225: learn: 0.0880783      total: 7.84s  remaining: 26.9s
226: learn: 0.0880013      total: 7.89s  remaining: 26.9s
227: learn: 0.0878689      total: 7.97s  remaining: 27s
228: learn: 0.0877448      total: 8.03s  remaining: 27s
229: learn: 0.0876772      total: 8.05s  remaining: 27s
230: learn: 0.0874990      total: 8.09s  remaining: 26.9s
231: learn: 0.0873327      total: 8.13s  remaining: 26.9s
232: learn: 0.0872032      total: 8.13s  remaining: 26.8s
233: learn: 0.0871327      total: 8.17s  remaining: 26.7s
234: learn: 0.0868694      total: 8.21s  remaining: 26.7s
235: learn: 0.0868219      total: 8.23s  remaining: 26.6s
236: learn: 0.0867124      total: 8.27s  remaining: 26.6s
237: learn: 0.0864887      total: 8.29s  remaining: 26.6s
238: learn: 0.0863929      total: 8.32s  remaining: 26.5s
239: learn: 0.0862684      total: 8.36s  remaining: 26.5s
240: learn: 0.0862192      total: 8.39s  remaining: 26.4s
241: learn: 0.0860684      total: 8.41s  remaining: 26.3s
242: learn: 0.0858933      total: 8.45s  remaining: 26.3s
243: learn: 0.0856546      total: 8.48s  remaining: 26.3s
244: learn: 0.0853438      total: 8.5s   remaining: 26.2s
245: learn: 0.0851939      total: 8.51s  remaining: 26.1s
246: learn: 0.0850300      total: 8.53s  remaining: 26s

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247: learn: 0.0850070      total: 8.55s    remaining: 25.9s
248: learn: 0.0849864      total: 8.57s    remaining: 25.9s
249: learn: 0.0847395      total: 8.6s     remaining: 25.8s
250: learn: 0.0845264      total: 8.64s    remaining: 25.8s
251: learn: 0.0842842      total: 8.65s    remaining: 25.7s
252: learn: 0.0842411      total: 8.66s    remaining: 25.6s
253: learn: 0.0839930      total: 8.69s    remaining: 25.5s
254: learn: 0.0839457      total: 8.7s     remaining: 25.4s
255: learn: 0.0839144      total: 8.72s    remaining: 25.4s
256: learn: 0.0837199      total: 8.76s    remaining: 25.3s
257: learn: 0.0835036      total: 8.81s    remaining: 25.4s
258: learn: 0.0834625      total: 8.84s    remaining: 25.3s
259: learn: 0.0833022      total: 8.95s    remaining: 25.5s
260: learn: 0.0831967      total: 9.02s    remaining: 25.5s
261: learn: 0.0829223      total: 9.03s    remaining: 25.4s
262: learn: 0.0828290      total: 9.11s    remaining: 25.5s
263: learn: 0.0826058      total: 9.14s    remaining: 25.5s
264: learn: 0.0823786      total: 9.15s    remaining: 25.4s
265: learn: 0.0822126      total: 9.24s    remaining: 25.5s
266: learn: 0.0820305      total: 9.28s    remaining: 25.5s
267: learn: 0.0818372      total: 9.35s    remaining: 25.6s
268: learn: 0.0818067      total: 9.36s    remaining: 25.4s
269: learn: 0.0816238      total: 9.61s    remaining: 26s
270: learn: 0.0814192      total: 9.64s    remaining: 25.9s
116: learn: 0.1096724      total: 3.6s     remaining: 27.2s
117: learn: 0.1093207      total: 3.6s     remaining: 27s
118: learn: 0.1089666      total: 3.63s   remaining: 26.9s
119: learn: 0.1086252      total: 3.67s   remaining: 26.9s
120: learn: 0.1083590      total: 3.69s   remaining: 26.8s
121: learn: 0.1080797      total: 3.71s   remaining: 26.7s
122: learn: 0.1077370      total: 3.73s   remaining: 26.6s
123: learn: 0.1074788      total: 3.74s   remaining: 26.4s
124: learn: 0.1071644      total: 3.75s   remaining: 26.2s
125: learn: 0.1068671      total: 3.77s   remaining: 26.1s
126: learn: 0.1065452      total: 3.79s   remaining: 26s
127: learn: 0.1063180      total: 3.79s   remaining: 25.9s
128: learn: 0.1059658      total: 3.82s   remaining: 25.8s
129: learn: 0.1057041      total: 3.83s   remaining: 25.6s
130: learn: 0.1054237      total: 3.85s   remaining: 25.5s
131: learn: 0.1051644      total: 3.87s   remaining: 25.5s
132: learn: 0.1048623      total: 3.9s    remaining: 25.4s
133: learn: 0.1046549      total: 3.91s   remaining: 25.3s
134: learn: 0.1043350      total: 3.93s   remaining: 25.2s
135: learn: 0.1040358      total: 3.95s   remaining: 25.1s
136: learn: 0.1037894      total: 3.99s   remaining: 25.1s
137: learn: 0.1036634      total: 4.01s   remaining: 25.1s
138: learn: 0.1033854      total: 4.05s   remaining: 25.1s
139: learn: 0.1032052      total: 4.06s   remaining: 25s
140: learn: 0.1029823      total: 4.08s   remaining: 24.9s
141: learn: 0.1028350      total: 4.12s   remaining: 24.9s
142: learn: 0.1026958      total: 4.13s   remaining: 24.7s
143: learn: 0.1024664      total: 4.16s   remaining: 24.7s
144: learn: 0.1021544      total: 4.16s   remaining: 24.6s
145: learn: 0.1019495      total: 4.2s    remaining: 24.6s
146: learn: 0.1017820      total: 4.25s   remaining: 24.6s
147: learn: 0.1014963      total: 4.32s   remaining: 24.9s
148: learn: 0.1013246      total: 4.36s   remaining: 24.9s
149: learn: 0.1011286      total: 4.39s   remaining: 24.9s
150: learn: 0.1008561      total: 4.42s   remaining: 24.9s
151: learn: 0.1006718      total: 4.5s    remaining: 25.1s
152: learn: 0.1004082      total: 4.56s   remaining: 25.2s
153: learn: 0.1002407      total: 4.6s    remaining: 25.3s
154: learn: 0.1001367      total: 4.66s   remaining: 25.4s
155: learn: 0.1000515      total: 4.69s   remaining: 25.4s

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156: learn: 0.0999825      total: 4.75s  remaining: 25.5s
157: learn: 0.0997384      total: 4.84s  remaining: 25.8s
158: learn: 0.0994941      total: 4.88s  remaining: 25.8s
159: learn: 0.0991827      total: 4.89s  remaining: 25.7s
160: learn: 0.0989934      total: 4.94s  remaining: 25.7s
161: learn: 0.0987767      total: 4.95s  remaining: 25.6s
162: learn: 0.0985660      total: 4.98s  remaining: 25.6s
163: learn: 0.0984111      total: 5.02s  remaining: 25.6s
164: learn: 0.0983387      total: 5.05s  remaining: 25.5s
165: learn: 0.0981133      total: 5.06s  remaining: 25.4s
166: learn: 0.0977976      total: 5.11s  remaining: 25.5s
167: learn: 0.0975872      total: 5.14s  remaining: 25.5s
168: learn: 0.0973795      total: 5.17s  remaining: 25.4s
169: learn: 0.0972735      total: 5.18s  remaining: 25.3s
170: learn: 0.0970816      total: 5.19s  remaining: 25.2s
171: learn: 0.0969197      total: 5.24s  remaining: 25.2s
172: learn: 0.0967457      total: 5.25s  remaining: 25.1s
173: learn: 0.0964904      total: 5.29s  remaining: 25.1s
174: learn: 0.0962877      total: 5.31s  remaining: 25s
175: learn: 0.0960094      total: 5.33s  remaining: 25s
176: learn: 0.0958817      total: 5.34s  remaining: 24.9s
177: learn: 0.0957706      total: 5.38s  remaining: 24.9s
178: learn: 0.0955748      total: 5.42s  remaining: 24.9s
179: learn: 0.0954128      total: 5.46s  remaining: 24.9s
180: learn: 0.0951850      total: 5.51s  remaining: 24.9s
181: learn: 0.0950048      total: 5.52s  remaining: 24.8s
182: learn: 0.0948490      total: 5.55s  remaining: 24.8s
183: learn: 0.0945994      total: 5.59s  remaining: 24.8s
184: learn: 0.0944544      total: 5.64s  remaining: 24.8s
185: learn: 0.0943121      total: 5.66s  remaining: 24.8s
186: learn: 0.0942453      total: 5.67s  remaining: 24.6s
187: learn: 0.0940811      total: 5.67s  remaining: 24.5s
188: learn: 0.0938087      total: 5.73s  remaining: 24.6s
189: learn: 0.0936406      total: 5.82s  remaining: 24.8s
190: learn: 0.0934912      total: 5.89s  remaining: 24.9s
191: learn: 0.0932650      total: 5.92s  remaining: 24.9s
192: learn: 0.0931478      total: 5.98s  remaining: 25s
193: learn: 0.0930258      total: 6.02s  remaining: 25s
194: learn: 0.0928021      total: 6.05s  remaining: 25s
195: learn: 0.0926935      total: 6.13s  remaining: 25.1s
196: learn: 0.0926293      total: 6.13s  remaining: 25s
197: learn: 0.0924879      total: 6.17s  remaining: 25s
198: learn: 0.0923249      total: 6.2s   remaining: 25s
199: learn: 0.0922420      total: 6.25s  remaining: 25s
200: learn: 0.0921809      total: 6.28s  remaining: 25s
201: learn: 0.0919665      total: 6.29s  remaining: 24.8s
202: learn: 0.0917425      total: 6.29s  remaining: 24.7s
203: learn: 0.0916764      total: 6.3s   remaining: 24.6s
204: learn: 0.0915265      total: 6.33s  remaining: 24.6s
205: learn: 0.0914139      total: 6.34s  remaining: 24.4s
206: learn: 0.0913085      total: 6.34s  remaining: 24.3s
207: learn: 0.0911772      total: 6.37s  remaining: 24.2s
208: learn: 0.0909775      total: 6.37s  remaining: 24.1s
209: learn: 0.0908833      total: 6.38s  remaining: 24s
210: learn: 0.0907978      total: 6.42s  remaining: 24s
211: learn: 0.0906388      total: 6.43s  remaining: 23.9s
212: learn: 0.0904834      total: 6.48s  remaining: 23.9s
213: learn: 0.0903168      total: 6.5s   remaining: 23.9s
214: learn: 0.0900768      total: 6.58s  remaining: 24s
215: learn: 0.0899857      total: 6.59s  remaining: 23.9s
216: learn: 0.0898907      total: 6.62s  remaining: 23.9s
217: learn: 0.0897898      total: 6.67s  remaining: 23.9s
218: learn: 0.0897085      total: 6.75s  remaining: 24.1s
219: learn: 0.0895380      total: 6.77s  remaining: 24s

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220: learn: 0.0894035      total: 6.81s  remaining: 24s
221: learn: 0.0893509      total: 6.86s  remaining: 24.1s
222: learn: 0.0891075      total: 6.88s  remaining: 24s
223: learn: 0.0890582      total: 6.91s  remaining: 23.9s
224: learn: 0.0888917      total: 6.94s  remaining: 23.9s
225: learn: 0.0888041      total: 6.95s  remaining: 23.8s
226: learn: 0.0884961      total: 6.96s  remaining: 23.7s
227: learn: 0.0884349      total: 6.98s  remaining: 23.6s
228: learn: 0.0882143      total: 7s      remaining: 23.6s
229: learn: 0.0880213      total: 7.03s  remaining: 23.5s
230: learn: 0.0877996      total: 7.05s  remaining: 23.5s
231: learn: 0.0877473      total: 7.07s  remaining: 23.4s
232: learn: 0.0876499      total: 7.08s  remaining: 23.3s
233: learn: 0.0874232      total: 7.12s  remaining: 23.3s
234: learn: 0.0872737      total: 7.13s  remaining: 23.2s
235: learn: 0.0871674      total: 7.16s  remaining: 23.2s
236: learn: 0.0868778      total: 7.21s  remaining: 23.2s
237: learn: 0.0867205      total: 7.22s  remaining: 23.1s
238: learn: 0.0864575      total: 7.29s  remaining: 23.2s
239: learn: 0.0863928      total: 7.32s  remaining: 23.2s
240: learn: 0.0863484      total: 7.34s  remaining: 23.1s
241: learn: 0.0862999      total: 7.38s  remaining: 23.1s
242: learn: 0.0862574      total: 7.4s    remaining: 23s
243: learn: 0.0859534      total: 7.42s  remaining: 23s
244: learn: 0.0859137      total: 7.44s  remaining: 22.9s
245: learn: 0.0858752      total: 7.47s  remaining: 22.9s
246: learn: 0.0858141      total: 7.52s  remaining: 22.9s
247: learn: 0.0857498      total: 7.53s  remaining: 22.8s
248: learn: 0.0856913      total: 7.57s  remaining: 22.8s
249: learn: 0.0855117      total: 7.58s  remaining: 22.7s
250: learn: 0.0853642      total: 7.62s  remaining: 22.7s
251: learn: 0.0852164      total: 7.65s  remaining: 22.7s
252: learn: 0.0850142      total: 7.66s  remaining: 22.6s
253: learn: 0.0847528      total: 7.74s  remaining: 22.7s
254: learn: 0.0845204      total: 7.79s  remaining: 22.7s
255: learn: 0.0843859      total: 7.79s  remaining: 22.7s
256: learn: 0.0843320      total: 7.81s  remaining: 22.6s
257: learn: 0.0842970      total: 7.85s  remaining: 22.6s
258: learn: 0.0842603      total: 7.86s  remaining: 22.5s
259: learn: 0.0840235      total: 7.88s  remaining: 22.4s
260: learn: 0.0838239      total: 7.9s   remaining: 22.4s
261: learn: 0.0837952      total: 7.93s  remaining: 22.3s
262: learn: 0.0836090      total: 7.97s  remaining: 22.3s
263: learn: 0.0834945      total: 8.01s  remaining: 22.3s
264: learn: 0.0833834      total: 8.05s  remaining: 22.3s
265: learn: 0.0831845      total: 8.06s  remaining: 22.2s
266: learn: 0.0831214      total: 8.11s  remaining: 22.3s
267: learn: 0.0828563      total: 8.14s  remaining: 22.2s
268: learn: 0.0827498      total: 8.17s  remaining: 22.2s
269: learn: 0.0825803      total: 8.19s  remaining: 22.1s
270: learn: 0.0823307      total: 8.27s  remaining: 22.2s
271: learn: 0.0821194      total: 8.31s  remaining: 22.2s
272: learn: 0.0819590      total: 8.38s  remaining: 22.3s
273: learn: 0.0817775      total: 8.46s  remaining: 22.4s
273: learn: 0.0803760      total: 9.13s  remaining: 24.2s
274: learn: 0.0803019      total: 9.19s  remaining: 24.2s
275: learn: 0.0802684      total: 9.24s  remaining: 24.2s
276: learn: 0.0801009      total: 9.26s  remaining: 24.2s
277: learn: 0.0800351      total: 9.31s  remaining: 24.2s
278: learn: 0.0799146      total: 9.33s  remaining: 24.1s
279: learn: 0.0797085      total: 9.37s  remaining: 24.1s
280: learn: 0.0794998      total: 9.45s  remaining: 24.2s
281: learn: 0.0794715      total: 9.51s  remaining: 24.2s
282: learn: 0.0793555      total: 9.51s  remaining: 24.1s

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283: learn: 0.0792213    total: 9.58s  remaining: 24.1s
284: learn: 0.0791988    total: 9.59s  remaining: 24.1s
285: learn: 0.0791717    total: 9.63s  remaining: 24s
286: learn: 0.0790700    total: 9.64s  remaining: 23.9s
287: learn: 0.0789172    total: 9.66s  remaining: 23.9s
288: learn: 0.0787337    total: 9.7s   remaining: 23.9s
289: learn: 0.0785740    total: 9.73s  remaining: 23.8s
290: learn: 0.0784125    total: 9.77s  remaining: 23.8s
291: learn: 0.0783354    total: 9.81s  remaining: 23.8s
292: learn: 0.0782303    total: 9.83s  remaining: 23.7s
293: learn: 0.0782092    total: 9.88s  remaining: 23.7s
294: learn: 0.0781014    total: 9.95s  remaining: 23.8s
295: learn: 0.0779248    total: 9.98s  remaining: 23.7s
296: learn: 0.0777384    total: 10s   remaining: 23.7s
297: learn: 0.0776412    total: 10s   remaining: 23.6s
298: learn: 0.0775238    total: 10s   remaining: 23.5s
299: learn: 0.0774237    total: 10.1s  remaining: 23.6s
300: learn: 0.0772732    total: 10.1s  remaining: 23.5s
301: learn: 0.0771473    total: 10.1s  remaining: 23.4s
302: learn: 0.0770200    total: 10.1s  remaining: 23.3s
303: learn: 0.0768662    total: 10.2s  remaining: 23.3s
304: learn: 0.0768397    total: 10.2s  remaining: 23.2s
305: learn: 0.0767383    total: 10.3s  remaining: 23.3s
306: learn: 0.0766089    total: 10.3s  remaining: 23.3s
307: learn: 0.0765718    total: 10.3s  remaining: 23.2s
308: learn: 0.0763716    total: 10.4s  remaining: 23.2s
309: learn: 0.0762822    total: 10.4s  remaining: 23.2s
310: learn: 0.0761592    total: 10.4s  remaining: 23.1s
311: learn: 0.0760213    total: 10.5s  remaining: 23.1s
312: learn: 0.0759850    total: 10.6s  remaining: 23.2s
313: learn: 0.0758139    total: 10.6s  remaining: 23.1s
314: learn: 0.0756977    total: 10.6s  remaining: 23.1s
315: learn: 0.0754871    total: 10.6s  remaining: 23s
316: learn: 0.0753078    total: 10.7s  remaining: 23s
317: learn: 0.0751615    total: 10.7s  remaining: 23s
318: learn: 0.0750885    total: 10.7s  remaining: 22.9s
319: learn: 0.0748960    total: 10.7s  remaining: 22.8s
320: learn: 0.0747712    total: 10.8s  remaining: 22.8s
321: learn: 0.0746172    total: 10.8s  remaining: 22.8s
322: learn: 0.0744327    total: 10.8s  remaining: 22.7s
323: learn: 0.0742966    total: 10.9s  remaining: 22.7s
324: learn: 0.0742749    total: 11s   remaining: 22.8s
325: learn: 0.0741042    total: 11s   remaining: 22.8s
326: learn: 0.0739675    total: 11.1s  remaining: 22.8s
327: learn: 0.0738556    total: 11.1s  remaining: 22.7s
328: learn: 0.0737613    total: 11.2s  remaining: 22.8s
329: learn: 0.0736835    total: 11.2s  remaining: 22.8s
330: learn: 0.0735048    total: 11.3s  remaining: 22.8s
331: learn: 0.0733487    total: 11.3s  remaining: 22.8s
332: learn: 0.0731965    total: 11.4s  remaining: 22.8s
333: learn: 0.0730847    total: 11.4s  remaining: 22.8s
334: learn: 0.0729232    total: 11.5s  remaining: 22.8s
335: learn: 0.0727732    total: 11.5s  remaining: 22.7s
336: learn: 0.0726193    total: 11.5s  remaining: 22.7s
337: learn: 0.0724760    total: 11.5s  remaining: 22.6s
338: learn: 0.0723147    total: 11.6s  remaining: 22.5s
339: learn: 0.0721862    total: 11.6s  remaining: 22.5s
340: learn: 0.0720797    total: 11.6s  remaining: 22.5s
341: learn: 0.0719898    total: 11.7s  remaining: 22.5s
342: learn: 0.0718831    total: 11.8s  remaining: 22.7s
343: learn: 0.0717592    total: 11.9s  remaining: 22.7s
344: learn: 0.0716115    total: 12s   remaining: 22.7s
345: learn: 0.0714616    total: 12s   remaining: 22.6s
346: learn: 0.0713244    total: 12s   remaining: 22.6s

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347: learn: 0.0712325      total: 12s      remaining: 22.6s
348: learn: 0.0710943      total: 12.1s     remaining: 22.5s
349: learn: 0.0709619      total: 12.1s     remaining: 22.4s
350: learn: 0.0709452      total: 12.1s     remaining: 22.4s
351: learn: 0.0707912      total: 12.2s     remaining: 22.4s
352: learn: 0.0706570      total: 12.2s     remaining: 22.4s
353: learn: 0.0704936      total: 12.2s     remaining: 22.3s
354: learn: 0.0703979      total: 12.3s     remaining: 22.3s
355: learn: 0.0703322      total: 12.3s     remaining: 22.3s
356: learn: 0.0702599      total: 12.3s     remaining: 22.2s
357: learn: 0.0701394      total: 12.4s     remaining: 22.2s
358: learn: 0.0700661      total: 12.4s     remaining: 22.2s
359: learn: 0.0699244      total: 12.5s     remaining: 22.2s
360: learn: 0.0697486      total: 12.5s     remaining: 22.1s
361: learn: 0.0695811      total: 12.5s     remaining: 22.1s
362: learn: 0.0694086      total: 12.5s     remaining: 22s
363: learn: 0.0693427      total: 12.6s     remaining: 22s
364: learn: 0.0691988      total: 12.6s     remaining: 21.9s
365: learn: 0.0690518      total: 12.7s     remaining: 21.9s
366: learn: 0.0688515      total: 12.7s     remaining: 21.9s
367: learn: 0.0686562      total: 12.8s     remaining: 21.9s
368: learn: 0.0685944      total: 12.8s     remaining: 21.9s
369: learn: 0.0685565      total: 12.8s     remaining: 21.8s
370: learn: 0.0684834      total: 12.8s     remaining: 21.8s
371: learn: 0.0684119      total: 12.9s     remaining: 21.7s
372: learn: 0.0682019      total: 12.9s     remaining: 21.7s
373: learn: 0.0681123      total: 12.9s     remaining: 21.6s
374: learn: 0.0680759      total: 12.9s     remaining: 21.6s
375: learn: 0.0679104      total: 13s       remaining: 21.5s
376: learn: 0.0677837      total: 13s       remaining: 21.5s
377: learn: 0.0676251      total: 13.1s    remaining: 21.5s
378: learn: 0.0675189      total: 13.2s    remaining: 21.6s
379: learn: 0.0674061      total: 13.3s    remaining: 21.6s
380: learn: 0.0673664      total: 13.3s    remaining: 21.6s
381: learn: 0.0672636      total: 13.4s    remaining: 21.6s
382: learn: 0.0671819      total: 13.5s    remaining: 21.7s
383: learn: 0.0670200      total: 13.5s    remaining: 21.7s
384: learn: 0.0669241      total: 14s       remaining: 22.4s
385: learn: 0.0668131      total: 14.2s    remaining: 22.5s
386: learn: 0.0667157      total: 14.2s    remaining: 22.4s
387: learn: 0.0665718      total: 14.4s    remaining: 22.7s
388: learn: 0.0663826      total: 14.5s    remaining: 22.7s
389: learn: 0.0662251      total: 14.6s    remaining: 22.8s
390: learn: 0.0661104      total: 14.7s    remaining: 22.9s
391: learn: 0.0660154      total: 14.8s    remaining: 22.9s
392: learn: 0.0659092      total: 14.8s    remaining: 22.9s
393: learn: 0.0658312      total: 14.9s    remaining: 22.9s
394: learn: 0.0657541      total: 14.9s    remaining: 22.9s
395: learn: 0.0656083      total: 15s       remaining: 22.8s
396: learn: 0.0654635      total: 15.2s    remaining: 23.1s
397: learn: 0.0653284      total: 15.3s    remaining: 23.2s
398: learn: 0.0651931      total: 15.4s    remaining: 23.2s
399: learn: 0.0650947      total: 15.4s    remaining: 23.2s
400: learn: 0.0649638      total: 15.5s    remaining: 23.2s
401: learn: 0.0648721      total: 15.6s    remaining: 23.2s
402: learn: 0.0647111      total: 15.7s    remaining: 23.2s
403: learn: 0.0645496      total: 15.8s    remaining: 23.3s
404: learn: 0.0644297      total: 15.9s    remaining: 23.3s
405: learn: 0.0643669      total: 15.9s    remaining: 23.3s
406: learn: 0.0643034      total: 16s       remaining: 23.3s
407: learn: 0.0641268      total: 16.1s    remaining: 23.3s
408: learn: 0.0640749      total: 16.1s    remaining: 23.2s
409: learn: 0.0639602      total: 16.2s    remaining: 23.2s
410: learn: 0.0639024      total: 16.2s    remaining: 23.2s

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411: learn: 0.0638092      total: 16.2s  remaining: 23.2s
412: learn: 0.0636986      total: 16.4s  remaining: 23.2s
413: learn: 0.0636540      total: 16.5s  remaining: 23.4s
414: learn: 0.0635611      total: 16.8s  remaining: 23.7s
415: learn: 0.0634219      total: 16.8s  remaining: 23.6s
416: learn: 0.0633579      total: 16.8s  remaining: 23.6s
417: learn: 0.0633021      total: 16.9s  remaining: 23.5s
418: learn: 0.0631588      total: 17s    remaining: 23.5s
419: learn: 0.0630001      total: 17s    remaining: 23.5s
420: learn: 0.0629166      total: 17.1s  remaining: 23.5s
421: learn: 0.0627820      total: 17.1s  remaining: 23.4s
422: learn: 0.0626711      total: 17.2s  remaining: 23.4s
423: learn: 0.0625562      total: 17.2s  remaining: 23.4s
424: learn: 0.0625035      total: 17.3s  remaining: 23.4s
425: learn: 0.0624068      total: 17.4s  remaining: 23.4s
426: learn: 0.0623562      total: 17.4s  remaining: 23.4s
427: learn: 0.0622077      total: 17.4s  remaining: 23.3s
428: learn: 0.0620774      total: 17.5s  remaining: 23.3s
429: learn: 0.0619346      total: 17.5s  remaining: 23.2s
430: learn: 0.0618471      total: 17.6s  remaining: 23.2s
275: learn: 0.0829555      total: 8.98s remaining: 23.6s
276: learn: 0.0828987      total: 9.02s remaining: 23.5s
277: learn: 0.0827816      total: 9.07s remaining: 23.5s
278: learn: 0.0827412      total: 9.08s remaining: 23.5s
279: learn: 0.0825449      total: 9.12s remaining: 23.4s
280: learn: 0.0823449      total: 9.15s remaining: 23.4s
281: learn: 0.0822375      total: 9.18s remaining: 23.4s
282: learn: 0.0821812      total: 9.19s remaining: 23.3s
283: learn: 0.0819915      total: 9.21s remaining: 23.2s
284: learn: 0.0819441      total: 9.22s remaining: 23.1s
285: learn: 0.0817057      total: 9.24s remaining: 23.1s
286: learn: 0.0816221      total: 9.31s remaining: 23.1s
287: learn: 0.0814606      total: 9.34s remaining: 23.1s
288: learn: 0.0811850      total: 9.38s remaining: 23.1s
289: learn: 0.0810210      total: 9.42s remaining: 23.1s
290: learn: 0.0809944      total: 9.46s remaining: 23s
291: learn: 0.0808283      total: 9.48s remaining: 23s
292: learn: 0.0806232      total: 9.53s remaining: 23s
293: learn: 0.0805913      total: 9.55s remaining: 22.9s
294: learn: 0.0804241      total: 9.56s remaining: 22.9s
295: learn: 0.0801859      total: 9.6s   remaining: 22.8s
296: learn: 0.0801391      total: 9.65s remaining: 22.8s
297: learn: 0.0799926      total: 9.65s remaining: 22.7s
298: learn: 0.0799123      total: 9.69s remaining: 22.7s
299: learn: 0.0798485      total: 9.74s remaining: 22.7s
300: learn: 0.0796640      total: 9.76s remaining: 22.7s
301: learn: 0.0795120      total: 9.79s remaining: 22.6s
302: learn: 0.0794811      total: 9.79s remaining: 22.5s
303: learn: 0.0792632      total: 9.86s remaining: 22.6s
304: learn: 0.0790206      total: 9.89s remaining: 22.5s
305: learn: 0.0788857      total: 9.95s remaining: 22.6s
306: learn: 0.0786986      total: 9.96s remaining: 22.5s
307: learn: 0.0785469      total: 10s   remaining: 22.5s
308: learn: 0.0783365      total: 10s   remaining: 22.4s
309: learn: 0.0782640      total: 10.1s remaining: 22.4s
310: learn: 0.0780995      total: 10.1s remaining: 22.4s
311: learn: 0.0779070      total: 10.1s remaining: 22.4s
312: learn: 0.0776742      total: 10.2s remaining: 22.4s
313: learn: 0.0774388      total: 10.2s remaining: 22.4s
314: learn: 0.0773770      total: 10.3s remaining: 22.4s
315: learn: 0.0771728      total: 10.4s remaining: 22.4s
316: learn: 0.0770199      total: 10.4s remaining: 22.4s
317: learn: 0.0767664      total: 10.5s remaining: 22.5s
318: learn: 0.0767477      total: 10.5s remaining: 22.5s

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319: learn: 0.0765808    total: 10.6s  remaining: 22.5s
320: learn: 0.0763765    total: 10.6s  remaining: 22.4s
321: learn: 0.0762460    total: 10.7s  remaining: 22.4s
322: learn: 0.0762118    total: 10.7s  remaining: 22.4s
323: learn: 0.0761111    total: 10.7s  remaining: 22.4s
324: learn: 0.0759679    total: 10.8s  remaining: 22.4s
325: learn: 0.0758953    total: 10.8s  remaining: 22.4s
326: learn: 0.0757526    total: 10.9s  remaining: 22.4s
327: learn: 0.0756101    total: 11s    remaining: 22.5s
328: learn: 0.0754436    total: 11s    remaining: 22.5s
329: learn: 0.0753395    total: 11.1s   remaining: 22.6s
330: learn: 0.0752311    total: 11.1s   remaining: 22.5s
331: learn: 0.0751118    total: 11.2s   remaining: 22.5s
332: learn: 0.0750151    total: 11.2s   remaining: 22.4s
333: learn: 0.0748851    total: 11.2s   remaining: 22.3s
334: learn: 0.0748363    total: 11.2s   remaining: 22.3s
335: learn: 0.0747312    total: 11.2s   remaining: 22.2s
336: learn: 0.0745871    total: 11.3s   remaining: 22.1s
337: learn: 0.0744405    total: 11.3s   remaining: 22.1s
338: learn: 0.0744228    total: 11.3s   remaining: 22.1s
339: learn: 0.0744043    total: 11.3s   remaining: 22s
340: learn: 0.0743209    total: 11.4s   remaining: 22.1s
341: learn: 0.0741922    total: 11.5s   remaining: 22.1s
342: learn: 0.0741658    total: 11.5s   remaining: 22.1s
343: learn: 0.0740192    total: 11.6s   remaining: 22.1s
344: learn: 0.0738553    total: 11.6s   remaining: 22s
345: learn: 0.0738219    total: 11.6s   remaining: 22s
346: learn: 0.0736853    total: 11.6s   remaining: 21.9s
347: learn: 0.0735348    total: 11.8s   remaining: 22s
348: learn: 0.0733849    total: 11.8s   remaining: 22s
349: learn: 0.0732296    total: 11.8s   remaining: 21.9s
350: learn: 0.0731418    total: 11.8s   remaining: 21.9s
351: learn: 0.0730190    total: 11.9s   remaining: 21.9s
352: learn: 0.0728491    total: 11.9s   remaining: 21.8s
353: learn: 0.0727288    total: 11.9s   remaining: 21.8s
354: learn: 0.0727094    total: 12s    remaining: 21.8s
355: learn: 0.0725719    total: 12s    remaining: 21.7s
356: learn: 0.0724133    total: 12.1s   remaining: 21.8s
357: learn: 0.0722632    total: 12.1s   remaining: 21.7s
358: learn: 0.0721529    total: 12.2s   remaining: 21.7s
359: learn: 0.0720500    total: 12.2s   remaining: 21.7s
360: learn: 0.0718880    total: 12.3s   remaining: 21.8s
361: learn: 0.0718732    total: 12.3s   remaining: 21.7s
362: learn: 0.0718077    total: 12.4s   remaining: 21.8s
363: learn: 0.0716830    total: 12.5s   remaining: 21.8s
364: learn: 0.0716657    total: 12.6s   remaining: 22s
365: learn: 0.0715033    total: 12.7s   remaining: 22s
366: learn: 0.0713364    total: 12.8s   remaining: 22.2s
367: learn: 0.0711891    total: 12.9s   remaining: 22.1s
368: learn: 0.0710879    total: 13s    remaining: 22.2s
369: learn: 0.0709023    total: 13s    remaining: 22.1s
370: learn: 0.0708276    total: 13s    remaining: 22.1s
371: learn: 0.0707681    total: 13.1s   remaining: 22.2s
372: learn: 0.0706600    total: 13.2s   remaining: 22.3s
373: learn: 0.0704877    total: 13.4s   remaining: 22.4s
374: learn: 0.0703136    total: 13.5s   remaining: 22.5s
375: learn: 0.0702967    total: 13.6s   remaining: 22.5s
376: learn: 0.0701585    total: 13.6s   remaining: 22.5s
377: learn: 0.0700448    total: 13.7s   remaining: 22.5s
378: learn: 0.0699059    total: 13.7s   remaining: 22.5s
379: learn: 0.0698694    total: 13.8s   remaining: 22.5s
380: learn: 0.0697317    total: 13.8s   remaining: 22.4s
381: learn: 0.0697139    total: 13.9s   remaining: 22.5s
382: learn: 0.0696972    total: 14s    remaining: 22.5s

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383: learn: 0.0695987    total: 14.1s  remaining: 22.5s
384: learn: 0.0694598    total: 14.2s  remaining: 22.6s
385: learn: 0.0694415    total: 14.2s  remaining: 22.7s
386: learn: 0.0693699    total: 14.3s  remaining: 22.6s
387: learn: 0.0691941    total: 14.5s  remaining: 22.9s
388: learn: 0.0690261    total: 14.6s  remaining: 22.9s
389: learn: 0.0689475    total: 14.6s  remaining: 22.8s
390: learn: 0.0688112    total: 14.7s  remaining: 22.9s
391: learn: 0.0686468    total: 14.8s  remaining: 23s
392: learn: 0.0684802    total: 14.9s  remaining: 23s
393: learn: 0.0683591    total: 14.9s  remaining: 23s
394: learn: 0.0682050    total: 15s   remaining: 23s
395: learn: 0.0680539    total: 15.1s  remaining: 23s
396: learn: 0.0680308    total: 15.1s  remaining: 23s
397: learn: 0.0678944    total: 15.2s  remaining: 23s
398: learn: 0.0678777    total: 15.2s  remaining: 22.9s
399: learn: 0.0678614    total: 15.3s  remaining: 22.9s
400: learn: 0.0676606    total: 15.3s  remaining: 22.9s
401: learn: 0.0675183    total: 15.4s  remaining: 22.9s
402: learn: 0.0674224    total: 15.4s  remaining: 22.9s
403: learn: 0.0673408    total: 15.5s  remaining: 22.9s
404: learn: 0.0671901    total: 15.6s  remaining: 22.9s
405: learn: 0.0670828    total: 15.7s  remaining: 23s
406: learn: 0.0669723    total: 15.7s  remaining: 22.9s
407: learn: 0.0667841    total: 15.8s  remaining: 22.9s
408: learn: 0.0666160    total: 15.8s  remaining: 22.8s
409: learn: 0.0664429    total: 15.9s  remaining: 22.8s
410: learn: 0.0664312    total: 15.9s  remaining: 22.8s
411: learn: 0.0663699    total: 15.9s  remaining: 22.8s
412: learn: 0.0663544    total: 16s   remaining: 22.7s
413: learn: 0.0662106    total: 16.1s  remaining: 22.7s
414: learn: 0.0661477    total: 16.1s  remaining: 22.7s
415: learn: 0.0660506    total: 16.1s  remaining: 22.7s
416: learn: 0.0659431    total: 16.2s  remaining: 22.7s
417: learn: 0.0658578    total: 16.3s  remaining: 22.6s
418: learn: 0.0657514    total: 16.3s  remaining: 22.6s
419: learn: 0.0656520    total: 16.3s  remaining: 22.5s
420: learn: 0.0654821    total: 16.4s  remaining: 22.5s
421: learn: 0.0653554    total: 16.4s  remaining: 22.5s
422: learn: 0.0652433    total: 16.4s  remaining: 22.4s
423: learn: 0.0651181    total: 16.5s  remaining: 22.4s
424: learn: 0.0650984    total: 16.5s  remaining: 22.4s
425: learn: 0.0649980    total: 16.5s  remaining: 22.3s
426: learn: 0.0649172    total: 16.6s  remaining: 22.3s
427: learn: 0.0648744    total: 16.6s  remaining: 22.2s
428: learn: 0.0647567    total: 16.7s  remaining: 22.2s
429: learn: 0.0646843    total: 16.7s  remaining: 22.1s
430: learn: 0.0645564    total: 16.7s  remaining: 22.1s
431: learn: 0.0645282    total: 16.8s  remaining: 22s
432: learn: 0.0644580    total: 16.8s  remaining: 22s
59:  learn: 0.1476250    total: 1.9s   remaining: 29.8s
60:  learn: 0.1464040    total: 1.98s  remaining: 30.5s
61:  learn: 0.1453900    total: 2.01s  remaining: 30.5s
62:  learn: 0.1442690    total: 2.02s  remaining: 30.1s
63:  learn: 0.1430679    total: 2.08s  remaining: 30.4s
64:  learn: 0.1419838    total: 2.09s  remaining: 30.1s
65:  learn: 0.1409953    total: 2.1s   remaining: 29.7s
66:  learn: 0.1399958    total: 2.15s  remaining: 29.9s
67:  learn: 0.1390790    total: 2.16s  remaining: 29.6s
68:  learn: 0.1381230    total: 2.17s  remaining: 29.2s
69:  learn: 0.1372970    total: 2.21s  remaining: 29.4s
70:  learn: 0.1364731    total: 2.22s  remaining: 29s
71:  learn: 0.1354995    total: 2.23s  remaining: 28.7s
72:  learn: 0.1344816    total: 2.23s  remaining: 28.3s

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73: learn: 0.1335635      total: 2.29s  remaining: 28.7s
74: learn: 0.1327597      total: 2.34s  remaining: 28.8s
75: learn: 0.1320234      total: 2.36s  remaining: 28.7s
76: learn: 0.1313780      total: 2.42s  remaining: 29s
77: learn: 0.1306447      total: 2.43s  remaining: 28.8s
78: learn: 0.1299392      total: 2.46s  remaining: 28.7s
79: learn: 0.1290559      total: 2.5s    remaining: 28.7s
80: learn: 0.1283298      total: 2.53s  remaining: 28.8s
81: learn: 0.1275697      total: 2.55s  remaining: 28.6s
82: learn: 0.1268823      total: 2.59s  remaining: 28.6s
83: learn: 0.1262239      total: 2.63s  remaining: 28.7s
84: learn: 0.1257755      total: 2.73s  remaining: 29.4s
85: learn: 0.1251966      total: 2.79s  remaining: 29.7s
86: learn: 0.1244367      total: 2.86s  remaining: 30.1s
87: learn: 0.1238650      total: 2.88s  remaining: 29.9s
88: learn: 0.1231177      total: 2.92s  remaining: 29.9s
89: learn: 0.1224705      total: 3s     remaining: 30.3s
90: learn: 0.1219085      total: 3.03s  remaining: 30.3s
91: learn: 0.1214336      total: 3.06s  remaining: 30.2s
92: learn: 0.1207321      total: 3.12s  remaining: 30.5s
93: learn: 0.1202622      total: 3.13s  remaining: 30.1s
94: learn: 0.1198168      total: 3.14s  remaining: 29.9s
95: learn: 0.1192820      total: 3.19s  remaining: 30s
96: learn: 0.1187969      total: 3.24s  remaining: 30.2s
97: learn: 0.1183374      total: 3.28s  remaining: 30.2s
98: learn: 0.1178760      total: 3.33s  remaining: 30.3s
99: learn: 0.1173921      total: 3.39s  remaining: 30.5s
100: learn: 0.1170199     total: 3.43s  remaining: 30.5s
101: learn: 0.1164944     total: 3.5s   remaining: 30.8s
102: learn: 0.1160060     total: 3.57s  remaining: 31.1s
103: learn: 0.1156124     total: 3.63s  remaining: 31.2s
104: learn: 0.1152222     total: 3.66s  remaining: 31.2s
105: learn: 0.1148176     total: 3.69s  remaining: 31.1s
106: learn: 0.1143743     total: 3.77s  remaining: 31.5s
107: learn: 0.1140443     total: 3.81s  remaining: 31.5s
108: learn: 0.1137159     total: 3.9s   remaining: 31.9s
109: learn: 0.1133736     total: 3.92s  remaining: 31.7s
110: learn: 0.1129866     total: 3.98s  remaining: 31.9s
111: learn: 0.1125601     total: 4.03s  remaining: 32s
112: learn: 0.1121971     total: 4.06s  remaining: 31.9s
113: learn: 0.1117787     total: 4.09s  remaining: 31.8s
114: learn: 0.1115175     total: 4.15s  remaining: 31.9s
115: learn: 0.1111389     total: 4.18s  remaining: 31.8s
116: learn: 0.1107752     total: 4.21s  remaining: 31.8s
117: learn: 0.1105135     total: 4.25s  remaining: 31.7s
118: learn: 0.1101793     total: 4.36s  remaining: 32.3s
119: learn: 0.1099037     total: 4.46s  remaining: 32.7s
120: learn: 0.1095822     total: 4.61s  remaining: 33.5s
121: learn: 0.1091498     total: 4.69s  remaining: 33.7s
122: learn: 0.1089011     total: 4.77s  remaining: 34s
123: learn: 0.1084425     total: 4.9s   remaining: 34.6s
124: learn: 0.1081922     total: 4.95s  remaining: 34.6s
125: learn: 0.1079303     total: 5.02s  remaining: 34.8s
126: learn: 0.1076484     total: 5.11s  remaining: 35.1s
127: learn: 0.1072608     total: 5.19s  remaining: 35.3s
128: learn: 0.1069203     total: 5.24s  remaining: 35.4s
129: learn: 0.1065560     total: 5.28s  remaining: 35.3s
130: learn: 0.1064629     total: 5.33s  remaining: 35.3s
131: learn: 0.1062231     total: 5.37s  remaining: 35.3s
132: learn: 0.1057997     total: 5.49s  remaining: 35.8s
133: learn: 0.1053678     total: 5.59s  remaining: 36.1s
134: learn: 0.1050398     total: 5.62s  remaining: 36s
135: learn: 0.1047768     total: 5.67s  remaining: 36s
136: learn: 0.1043538     total: 5.73s  remaining: 36.1s

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137: learn: 0.1040600    total: 5.76s  remaining: 36s
138: learn: 0.1038308    total: 5.84s  remaining: 36.2s
139: learn: 0.1035770    total: 5.9s   remaining: 36.3s
140: learn: 0.1032217    total: 5.97s  remaining: 36.4s
141: learn: 0.1029017    total: 6.03s  remaining: 36.4s
142: learn: 0.1026521    total: 6.08s  remaining: 36.5s
143: learn: 0.1025047    total: 6.2s   remaining: 36.9s
144: learn: 0.1022081    total: 6.22s  remaining: 36.7s
145: learn: 0.1019806    total: 6.23s  remaining: 36.5s
146: learn: 0.1017232    total: 6.31s  remaining: 36.6s
147: learn: 0.1015039    total: 6.33s  remaining: 36.4s
148: learn: 0.1012114    total: 6.36s  remaining: 36.3s
149: learn: 0.1010382    total: 6.38s  remaining: 36.2s
150: learn: 0.1008168    total: 6.55s  remaining: 36.8s
151: learn: 0.1006348    total: 6.57s  remaining: 36.7s
152: learn: 0.1003707    total: 6.61s  remaining: 36.6s
153: learn: 0.1001299    total: 6.68s  remaining: 36.7s
154: learn: 0.0999849    total: 6.73s  remaining: 36.7s
155: learn: 0.0997803    total: 6.78s  remaining: 36.7s
156: learn: 0.0995842    total: 6.83s  remaining: 36.6s
157: learn: 0.0993555    total: 6.87s  remaining: 36.6s
158: learn: 0.0990625    total: 6.96s  remaining: 36.8s
159: learn: 0.0988455    total: 7.03s  remaining: 36.9s
160: learn: 0.0985589    total: 7.09s  remaining: 37s
161: learn: 0.0983305    total: 7.22s  remaining: 37.3s
162: learn: 0.0980716    total: 7.23s  remaining: 37.1s
163: learn: 0.0977832    total: 7.27s  remaining: 37s
164: learn: 0.0975917    total: 7.31s  remaining: 37s
165: learn: 0.0973511    total: 7.33s  remaining: 36.8s
166: learn: 0.0970580    total: 7.59s  remaining: 37.9s
167: learn: 0.0967620    total: 7.63s  remaining: 37.8s
168: learn: 0.0965838    total: 7.69s  remaining: 37.8s
169: learn: 0.0963463    total: 7.73s  remaining: 37.7s
170: learn: 0.0961751    total: 7.75s  remaining: 37.6s
171: learn: 0.0959175    total: 7.81s  remaining: 37.6s
172: learn: 0.0956467    total: 7.86s  remaining: 37.6s
173: learn: 0.0954187    total: 7.93s  remaining: 37.6s
174: learn: 0.0952341    total: 7.93s  remaining: 37.4s
175: learn: 0.0950999    total: 7.95s  remaining: 37.2s
176: learn: 0.0948083    total: 8.02s  remaining: 37.3s
177: learn: 0.0946481    total: 8.05s  remaining: 37.2s
178: learn: 0.0944586    total: 8.12s  remaining: 37.2s
179: learn: 0.0942093    total: 8.14s  remaining: 37.1s
180: learn: 0.0940464    total: 8.17s  remaining: 37s
181: learn: 0.0939016    total: 8.18s  remaining: 36.8s
182: learn: 0.0937645    total: 8.19s  remaining: 36.6s
183: learn: 0.0935611    total: 8.23s  remaining: 36.5s
184: learn: 0.0933435    total: 8.24s  remaining: 36.3s
185: learn: 0.0931439    total: 8.25s  remaining: 36.1s
186: learn: 0.0930259    total: 8.26s  remaining: 35.9s
187: learn: 0.0928094    total: 8.29s  remaining: 35.8s
188: learn: 0.0927126    total: 8.34s  remaining: 35.8s
189: learn: 0.0924892    total: 8.38s  remaining: 35.7s
190: learn: 0.0923224    total: 8.42s  remaining: 35.6s
191: learn: 0.0920916    total: 8.47s  remaining: 35.6s
192: learn: 0.0918722    total: 8.51s  remaining: 35.6s
193: learn: 0.0915868    total: 8.52s  remaining: 35.4s
194: learn: 0.0913578    total: 8.55s  remaining: 35.3s
195: learn: 0.0910540    total: 8.65s  remaining: 35.5s
196: learn: 0.0909984    total: 8.7s   remaining: 35.5s
197: learn: 0.0908054    total: 8.72s  remaining: 35.3s
198: learn: 0.0904968    total: 8.79s  remaining: 35.4s
199: learn: 0.0904187    total: 8.88s  remaining: 35.5s
200: learn: 0.0901985    total: 8.89s  remaining: 35.3s

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201: learn: 0.0899982      total: 8.91s  remaining: 35.2s
202: learn: 0.0897707      total: 8.97s  remaining: 35.2s
203: learn: 0.0896358      total: 8.99s  remaining: 35.1s
204: learn: 0.0894284      total: 9.03s  remaining: 35s
205: learn: 0.0893048      total: 9.05s  remaining: 34.9s
206: learn: 0.0890788      total: 9.08s  remaining: 34.8s
207: learn: 0.0887870      total: 9.15s  remaining: 34.9s
208: learn: 0.0885078      total: 9.18s  remaining: 34.8s
209: learn: 0.0883468      total: 9.22s  remaining: 34.7s
210: learn: 0.0880965      total: 9.25s  remaining: 34.6s
211: learn: 0.0879256      total: 9.3s   remaining: 34.6s
212: learn: 0.0876809      total: 9.31s  remaining: 34.4s
213: learn: 0.0876330      total: 9.37s  remaining: 34.4s
214: learn: 0.0875098      total: 9.42s  remaining: 34.4s
215: learn: 0.0873899      total: 9.46s  remaining: 34.4s
216: learn: 0.0871256      total: 9.49s  remaining: 34.3s
217: learn: 0.0869365      total: 9.59s  remaining: 34.4s
271: learn: 0.0811840      total: 9.71s  remaining: 26s
272: learn: 0.0810404      total: 9.71s  remaining: 25.9s
273: learn: 0.0808220      total: 9.82s  remaining: 26s
274: learn: 0.0806481      total: 9.89s  remaining: 26.1s
275: learn: 0.0805315      total: 9.92s  remaining: 26s
276: learn: 0.0803417      total: 9.96s  remaining: 26s
277: learn: 0.0803169      total: 9.98s  remaining: 25.9s
278: learn: 0.0801425      total: 9.98s  remaining: 25.8s
279: learn: 0.0799953      total: 10s    remaining: 25.8s
280: learn: 0.0798200      total: 10.1s  remaining: 25.8s
281: learn: 0.0796308      total: 10.2s  remaining: 25.9s
282: learn: 0.0793693      total: 10.2s  remaining: 25.9s
283: learn: 0.0791919      total: 10.2s  remaining: 25.8s
284: learn: 0.0790268      total: 10.3s  remaining: 25.7s
285: learn: 0.0789937      total: 10.3s  remaining: 25.7s
286: learn: 0.0789123      total: 10.4s  remaining: 25.8s
287: learn: 0.0787227      total: 10.4s  remaining: 25.7s
288: learn: 0.0785175      total: 10.5s  remaining: 25.8s
289: learn: 0.0783776      total: 10.5s  remaining: 25.7s
290: learn: 0.0782326      total: 10.6s  remaining: 25.7s
291: learn: 0.0781026      total: 10.6s  remaining: 25.6s
292: learn: 0.0779231      total: 10.7s  remaining: 25.7s
293: learn: 0.0777485      total: 10.7s  remaining: 25.8s
294: learn: 0.0775726      total: 10.8s  remaining: 25.8s
295: learn: 0.0773883      total: 10.8s  remaining: 25.8s
296: learn: 0.0772498      total: 10.9s  remaining: 25.7s
297: learn: 0.0771709      total: 10.9s  remaining: 25.7s
298: learn: 0.0770667      total: 10.9s  remaining: 25.6s
299: learn: 0.0768769      total: 11s    remaining: 25.6s
300: learn: 0.0767276      total: 11s    remaining: 25.5s
301: learn: 0.0765514      total: 11.2s  remaining: 25.8s
302: learn: 0.0763861      total: 11.2s  remaining: 25.8s
303: learn: 0.0762565      total: 11.3s  remaining: 25.8s
304: learn: 0.0760353      total: 11.3s  remaining: 25.8s
305: learn: 0.0758479      total: 11.4s  remaining: 25.8s
306: learn: 0.0756205      total: 11.4s  remaining: 25.7s
307: learn: 0.0755900      total: 11.7s  remaining: 26.3s
308: learn: 0.0754429      total: 11.8s  remaining: 26.5s
309: learn: 0.0753229      total: 11.9s  remaining: 26.5s
310: learn: 0.0752853      total: 12.1s  remaining: 26.8s
311: learn: 0.0751365      total: 12.1s  remaining: 26.7s
312: learn: 0.0749740      total: 12.2s  remaining: 26.7s
313: learn: 0.0748668      total: 12.2s  remaining: 26.7s
314: learn: 0.0746760      total: 12.5s  remaining: 27.2s
315: learn: 0.0745184      total: 12.6s  remaining: 27.3s
316: learn: 0.0744484      total: 12.7s  remaining: 27.4s
317: learn: 0.0743122      total: 12.8s  remaining: 27.5s

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318: learn: 0.0740941    total: 12.8s  remaining: 27.4s
319: learn: 0.0740143    total: 12.9s  remaining: 27.4s
320: learn: 0.0738909    total: 12.9s  remaining: 27.4s
321: learn: 0.0738077    total: 13s    remaining: 27.4s
322: learn: 0.0737550    total: 13s    remaining: 27.3s
323: learn: 0.0735938    total: 13.2s  remaining: 27.5s
324: learn: 0.0733736    total: 13.2s  remaining: 27.5s
325: learn: 0.0733465    total: 13.3s  remaining: 27.5s
326: learn: 0.0732424    total: 13.4s  remaining: 27.5s
327: learn: 0.0730714    total: 13.4s  remaining: 27.5s
328: learn: 0.0729573    total: 13.5s  remaining: 27.5s
329: learn: 0.0727572    total: 13.5s  remaining: 27.4s
330: learn: 0.0725913    total: 13.6s  remaining: 27.4s
331: learn: 0.0725689    total: 13.6s  remaining: 27.4s
332: learn: 0.0724232    total: 13.7s  remaining: 27.4s
333: learn: 0.0722855    total: 13.7s  remaining: 27.3s
334: learn: 0.0722639    total: 13.7s  remaining: 27.3s
335: learn: 0.0721871    total: 13.8s  remaining: 27.3s
336: learn: 0.0720740    total: 13.9s  remaining: 27.4s
337: learn: 0.0718978    total: 14s    remaining: 27.3s
338: learn: 0.0717967    total: 14s    remaining: 27.3s
339: learn: 0.0716702    total: 14.1s  remaining: 27.3s
340: learn: 0.0715394    total: 14.1s  remaining: 27.3s
341: learn: 0.0715219    total: 14.2s  remaining: 27.4s
342: learn: 0.0714031    total: 14.3s  remaining: 27.3s
343: learn: 0.0712220    total: 14.3s  remaining: 27.3s
344: learn: 0.0710434    total: 14.4s  remaining: 27.3s
345: learn: 0.0708615    total: 14.5s  remaining: 27.3s
346: learn: 0.0708113    total: 14.5s  remaining: 27.3s
347: learn: 0.0707139    total: 14.6s  remaining: 27.3s
348: learn: 0.0705370    total: 14.6s  remaining: 27.2s
349: learn: 0.0703822    total: 14.6s  remaining: 27.1s
350: learn: 0.0702732    total: 14.7s  remaining: 27.1s
351: learn: 0.0701550    total: 14.8s  remaining: 27.2s
352: learn: 0.0699891    total: 14.8s  remaining: 27.2s
353: learn: 0.0698483    total: 14.9s  remaining: 27.2s
354: learn: 0.0697106    total: 15s    remaining: 27.3s
355: learn: 0.0695018    total: 15s    remaining: 27.2s
356: learn: 0.0693362    total: 15.1s  remaining: 27.2s
357: learn: 0.0692066    total: 15.1s  remaining: 27.1s
358: learn: 0.0690461    total: 15.2s  remaining: 27.1s
359: learn: 0.0689208    total: 15.2s  remaining: 27.1s
360: learn: 0.0688234    total: 15.3s  remaining: 27s
361: learn: 0.0687152    total: 15.3s  remaining: 27s
362: learn: 0.0686979    total: 15.3s  remaining: 26.9s
363: learn: 0.0686369    total: 15.4s  remaining: 26.9s
364: learn: 0.0684792    total: 15.4s  remaining: 26.8s
365: learn: 0.0682920    total: 15.5s  remaining: 26.8s
366: learn: 0.0682249    total: 15.5s  remaining: 26.8s
367: learn: 0.0680894    total: 15.6s  remaining: 26.7s
368: learn: 0.0679701    total: 15.6s  remaining: 26.6s
369: learn: 0.0678312    total: 15.6s  remaining: 26.6s
370: learn: 0.0676540    total: 15.7s  remaining: 26.5s
371: learn: 0.0675988    total: 15.7s  remaining: 26.5s
372: learn: 0.0674190    total: 15.8s  remaining: 26.5s
373: learn: 0.0672399    total: 15.8s  remaining: 26.4s
374: learn: 0.0671317    total: 15.8s  remaining: 26.4s
375: learn: 0.0671145    total: 15.9s  remaining: 26.4s
376: learn: 0.0669760    total: 15.9s  remaining: 26.3s
377: learn: 0.0669584    total: 16s    remaining: 26.3s
378: learn: 0.0668713    total: 16s    remaining: 26.2s
379: learn: 0.0668003    total: 16s    remaining: 26.1s
380: learn: 0.0666128    total: 16s    remaining: 26s
381: learn: 0.0665124    total: 16s    remaining: 25.9s

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382: learn: 0.0663681      total: 16s      remaining: 25.8s
383: learn: 0.0662961      total: 16.1s     remaining: 25.8s
384: learn: 0.0662571      total: 16.1s     remaining: 25.7s
385: learn: 0.0661554      total: 16.1s     remaining: 25.6s
386: learn: 0.0661145      total: 16.1s     remaining: 25.5s
387: learn: 0.0659710      total: 16.2s     remaining: 25.5s
388: learn: 0.0659040      total: 16.2s     remaining: 25.5s
389: learn: 0.0658915      total: 16.3s     remaining: 25.4s
390: learn: 0.0657254      total: 16.3s     remaining: 25.4s
391: learn: 0.0656524      total: 16.3s     remaining: 25.3s
392: learn: 0.0655650      total: 16.4s     remaining: 25.3s
393: learn: 0.0654310      total: 16.4s     remaining: 25.2s
394: learn: 0.0652853      total: 16.4s     remaining: 25.1s
395: learn: 0.0652060      total: 16.4s     remaining: 25.1s
396: learn: 0.0650552      total: 16.6s     remaining: 25.2s
397: learn: 0.0649820      total: 16.6s     remaining: 25.1s
398: learn: 0.0648806      total: 16.6s     remaining: 25.1s
399: learn: 0.0648701      total: 16.6s     remaining: 25s
400: learn: 0.0647378      total: 16.7s     remaining: 24.9s
401: learn: 0.0646257      total: 16.7s     remaining: 24.8s
402: learn: 0.0645758      total: 16.7s     remaining: 24.7s
403: learn: 0.0645212      total: 16.7s     remaining: 24.6s
404: learn: 0.0643921      total: 16.7s     remaining: 24.5s
405: learn: 0.0642056      total: 16.7s     remaining: 24.4s
406: learn: 0.0641908      total: 16.7s     remaining: 24.4s
407: learn: 0.0640640      total: 16.7s     remaining: 24.3s
408: learn: 0.0639138      total: 16.8s     remaining: 24.2s
409: learn: 0.0637690      total: 16.8s     remaining: 24.2s
410: learn: 0.0637069      total: 16.9s     remaining: 24.1s
411: learn: 0.0635325      total: 16.9s     remaining: 24.1s
412: learn: 0.0634182      total: 16.9s     remaining: 24.1s
413: learn: 0.0632989      total: 16.9s     remaining: 24s
414: learn: 0.0631479      total: 17s       remaining: 23.9s
415: learn: 0.0630168      total: 17s       remaining: 23.9s
416: learn: 0.0629227      total: 17s       remaining: 23.8s
417: learn: 0.0627834      total: 17.1s    remaining: 23.8s
418: learn: 0.0627350      total: 17.1s    remaining: 23.7s
419: learn: 0.0626110      total: 17.1s    remaining: 23.6s
420: learn: 0.0625323      total: 17.1s    remaining: 23.6s
421: learn: 0.0624444      total: 17.2s    remaining: 23.6s
422: learn: 0.0624282      total: 17.3s    remaining: 23.6s
423: learn: 0.0623591      total: 17.3s    remaining: 23.5s
424: learn: 0.0622515      total: 17.4s    remaining: 23.5s
425: learn: 0.0621525      total: 17.4s    remaining: 23.5s
426: learn: 0.0620503      total: 17.5s    remaining: 23.5s
427: learn: 0.0618823      total: 17.6s    remaining: 23.5s
428: learn: 0.0618452      total: 17.6s    remaining: 23.5s
274: learn: 0.0815831      total: 8.51s    remaining: 22.4s
275: learn: 0.0814796      total: 8.55s    remaining: 22.4s
276: learn: 0.0814546      total: 8.62s    remaining: 22.5s
277: learn: 0.0812190      total: 8.66s    remaining: 22.5s
278: learn: 0.0810538      total: 8.7s     remaining: 22.5s
279: learn: 0.0808919      total: 8.73s    remaining: 22.5s
280: learn: 0.0807262      total: 8.78s    remaining: 22.5s
281: learn: 0.0805490      total: 8.8s     remaining: 22.4s
282: learn: 0.0804839      total: 8.85s    remaining: 22.4s
283: learn: 0.0803848      total: 8.87s    remaining: 22.4s
284: learn: 0.0803546      total: 8.9s     remaining: 22.3s
285: learn: 0.0802931      total: 8.92s    remaining: 22.3s
286: learn: 0.0801611      total: 8.94s    remaining: 22.2s
287: learn: 0.0799965      total: 8.95s    remaining: 22.1s
288: learn: 0.0799964      total: 8.97s    remaining: 22.1s
289: learn: 0.0796836      total: 9.03s    remaining: 22.1s
290: learn: 0.0794898      total: 9.1s     remaining: 22.2s

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291: learn: 0.0792536    total: 9.13s  remaining: 22.1s
292: learn: 0.0790974    total: 9.14s  remaining: 22.1s
293: learn: 0.0788976    total: 9.23s  remaining: 22.2s
294: learn: 0.0787068    total: 9.23s  remaining: 22.1s
295: learn: 0.0785612    total: 9.29s  remaining: 22.1s
296: learn: 0.0783980    total: 9.34s  remaining: 22.1s
297: learn: 0.0782036    total: 9.38s  remaining: 22.1s
298: learn: 0.0781691    total: 9.43s  remaining: 22.1s
299: learn: 0.0781282    total: 9.46s  remaining: 22.1s
300: learn: 0.0779050    total: 9.49s  remaining: 22s
301: learn: 0.0777049    total: 9.52s  remaining: 22s
302: learn: 0.0774505    total: 9.56s  remaining: 22s
303: learn: 0.0772452    total: 9.61s  remaining: 22s
304: learn: 0.0772178    total: 9.64s  remaining: 22s
305: learn: 0.0771722    total: 9.64s  remaining: 21.9s
306: learn: 0.0771514    total: 9.66s  remaining: 21.8s
307: learn: 0.0771148    total: 9.67s  remaining: 21.7s
308: learn: 0.0769483    total: 9.73s  remaining: 21.8s
309: learn: 0.0766538    total: 9.81s  remaining: 21.8s
310: learn: 0.0765626    total: 9.88s  remaining: 21.9s
311: learn: 0.0763816    total: 9.93s  remaining: 21.9s
312: learn: 0.0763620    total: 9.97s  remaining: 21.9s
313: learn: 0.0761877    total: 10s    remaining: 21.9s
314: learn: 0.0761649    total: 10.1s   remaining: 21.9s
315: learn: 0.0759375    total: 10.1s   remaining: 21.9s
316: learn: 0.0757100    total: 10.2s   remaining: 22s
317: learn: 0.0755357    total: 10.3s   remaining: 22s
318: learn: 0.0753220    total: 10.4s   remaining: 22.1s
319: learn: 0.0751515    total: 10.4s   remaining: 22.1s
320: learn: 0.0749623    total: 10.4s   remaining: 22.1s
321: learn: 0.0749381    total: 10.5s   remaining: 22.2s
322: learn: 0.0747151    total: 10.6s   remaining: 22.2s
323: learn: 0.0746737    total: 10.7s   remaining: 22.3s
324: learn: 0.0746263    total: 10.8s   remaining: 22.4s
325: learn: 0.0746080    total: 10.8s   remaining: 22.4s
326: learn: 0.0745257    total: 10.9s   remaining: 22.4s
327: learn: 0.0743696    total: 11s     remaining: 22.5s
328: learn: 0.0741756    total: 11s     remaining: 22.4s
329: learn: 0.0740513    total: 11s     remaining: 22.4s
330: learn: 0.0738918    total: 11.1s   remaining: 22.4s
331: learn: 0.0737678    total: 11.2s   remaining: 22.5s
332: learn: 0.0737302    total: 11.2s   remaining: 22.5s
333: learn: 0.0735821    total: 11.3s   remaining: 22.5s
334: learn: 0.0734089    total: 11.3s   remaining: 22.4s
335: learn: 0.0732831    total: 11.3s   remaining: 22.4s
336: learn: 0.0732475    total: 11.6s   remaining: 22.8s
337: learn: 0.0732107    total: 11.8s   remaining: 23.1s
338: learn: 0.0730740    total: 11.9s   remaining: 23.2s
339: learn: 0.0729550    total: 12s     remaining: 23.2s
340: learn: 0.0729308    total: 12s     remaining: 23.2s
341: learn: 0.0727813    total: 12.1s   remaining: 23.2s
342: learn: 0.0725959    total: 12.1s   remaining: 23.2s
343: learn: 0.0724662    total: 12.2s   remaining: 23.3s
344: learn: 0.0722815    total: 12.3s   remaining: 23.4s
345: learn: 0.0721242    total: 12.4s   remaining: 23.5s
346: learn: 0.0720187    total: 12.4s   remaining: 23.4s
347: learn: 0.0719723    total: 12.5s   remaining: 23.4s
348: learn: 0.0718615    total: 12.6s   remaining: 23.4s
349: learn: 0.0716546    total: 12.6s   remaining: 23.4s
350: learn: 0.0716273    total: 12.7s   remaining: 23.4s
351: learn: 0.0716073    total: 12.7s   remaining: 23.3s
352: learn: 0.0715205    total: 12.7s   remaining: 23.3s
353: learn: 0.0713669    total: 12.7s   remaining: 23.3s
354: learn: 0.0711847    total: 12.8s   remaining: 23.3s

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355:	learn: 0.0711659	total: 12.8s	remaining: 23.2s
356:	learn: 0.0711493	total: 13s	remaining: 23.4s
357:	learn: 0.0710857	total: 13.1s	remaining: 23.5s
358:	learn: 0.0710726	total: 13.1s	remaining: 23.4s
359:	learn: 0.0709042	total: 13.2s	remaining: 23.4s
360:	learn: 0.0707941	total: 13.2s	remaining: 23.3s
361:	learn: 0.0707455	total: 13.2s	remaining: 23.3s
362:	learn: 0.0705787	total: 13.3s	remaining: 23.3s
363:	learn: 0.0704140	total: 13.3s	remaining: 23.3s
364:	learn: 0.0702569	total: 13.4s	remaining: 23.3s
365:	learn: 0.0702296	total: 13.4s	remaining: 23.2s
366:	learn: 0.0700878	total: 13.4s	remaining: 23.2s
367:	learn: 0.0699048	total: 13.5s	remaining: 23.2s
368:	learn: 0.0697494	total: 13.5s	remaining: 23.2s
369:	learn: 0.0697218	total: 13.6s	remaining: 23.1s
370:	learn: 0.0696455	total: 13.6s	remaining: 23s
371:	learn: 0.0695163	total: 13.6s	remaining: 23s
372:	learn: 0.0694234	total: 13.7s	remaining: 23s
373:	learn: 0.0692977	total: 13.8s	remaining: 23.1s
374:	learn: 0.0691745	total: 13.9s	remaining: 23.1s
375:	learn: 0.0689764	total: 13.9s	remaining: 23s
376:	learn: 0.0689495	total: 13.9s	remaining: 23s
377:	learn: 0.0689316	total: 14s	remaining: 23s
378:	learn: 0.0687541	total: 14s	remaining: 22.9s
379:	learn: 0.0686123	total: 14s	remaining: 22.9s
380:	learn: 0.0685967	total: 14.1s	remaining: 22.9s
381:	learn: 0.0684499	total: 14.1s	remaining: 22.9s
382:	learn: 0.0681715	total: 14.2s	remaining: 22.9s
383:	learn: 0.0680185	total: 14.3s	remaining: 23s
384:	learn: 0.0679968	total: 14.3s	remaining: 22.9s
385:	learn: 0.0679737	total: 14.4s	remaining: 22.9s
386:	learn: 0.0677944	total: 14.5s	remaining: 22.9s
387:	learn: 0.0676869	total: 14.5s	remaining: 22.9s
388:	learn: 0.0675756	total: 14.6s	remaining: 22.9s
389:	learn: 0.0674970	total: 14.6s	remaining: 22.8s
390:	learn: 0.0674887	total: 14.6s	remaining: 22.7s
391:	learn: 0.0673404	total: 14.6s	remaining: 22.7s
392:	learn: 0.0673163	total: 14.6s	remaining: 22.6s
393:	learn: 0.0672131	total: 14.7s	remaining: 22.6s
394:	learn: 0.0670565	total: 14.7s	remaining: 22.5s
395:	learn: 0.0668445	total: 14.7s	remaining: 22.5s
396:	learn: 0.0667182	total: 14.8s	remaining: 22.4s
397:	learn: 0.0667097	total: 14.8s	remaining: 22.4s
398:	learn: 0.0666411	total: 14.8s	remaining: 22.3s
399:	learn: 0.0665773	total: 14.9s	remaining: 22.3s
400:	learn: 0.0665399	total: 14.9s	remaining: 22.3s
401:	learn: 0.0663954	total: 15s	remaining: 22.4s
402:	learn: 0.0663873	total: 15.1s	remaining: 22.3s
403:	learn: 0.0663765	total: 15.1s	remaining: 22.3s
404:	learn: 0.0662212	total: 15.2s	remaining: 22.3s
405:	learn: 0.0660635	total: 15.2s	remaining: 22.2s
406:	learn: 0.0657991	total: 15.2s	remaining: 22.2s
407:	learn: 0.0656699	total: 15.3s	remaining: 22.1s
408:	learn: 0.0654788	total: 15.3s	remaining: 22.1s
409:	learn: 0.0654272	total: 15.3s	remaining: 22s
410:	learn: 0.0652382	total: 15.3s	remaining: 21.9s
411:	learn: 0.0651063	total: 15.4s	remaining: 21.9s
412:	learn: 0.0649570	total: 15.4s	remaining: 21.8s
413:	learn: 0.0649460	total: 15.4s	remaining: 21.8s
414:	learn: 0.0648307	total: 15.4s	remaining: 21.7s
415:	learn: 0.0646951	total: 15.4s	remaining: 21.7s
416:	learn: 0.0645811	total: 15.5s	remaining: 21.6s
417:	learn: 0.0644398	total: 15.5s	remaining: 21.6s
418:	learn: 0.0643468	total: 15.5s	remaining: 21.5s

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419: learn: 0.0642707    total: 15.6s  remaining: 21.5s
420: learn: 0.0641647    total: 15.6s  remaining: 21.4s
421: learn: 0.0639536    total: 15.6s  remaining: 21.4s
422: learn: 0.0638077    total: 15.7s  remaining: 21.4s
423: learn: 0.0636939    total: 15.7s  remaining: 21.3s
424: learn: 0.0635721    total: 15.8s  remaining: 21.4s
425: learn: 0.0635091    total: 15.9s  remaining: 21.4s
426: learn: 0.0633550    total: 16s    remaining: 21.4s
427: learn: 0.0632656    total: 16s    remaining: 21.4s
428: learn: 0.0631538    total: 16.1s  remaining: 21.4s
429: learn: 0.0630353    total: 16.1s  remaining: 21.3s
430: learn: 0.0629726    total: 16.1s  remaining: 21.3s
431: learn: 0.0628372    total: 16.2s  remaining: 21.2s
433: learn: 0.0643515    total: 16.8s  remaining: 21.9s
434: learn: 0.0642673    total: 16.9s  remaining: 21.9s
435: learn: 0.0641191    total: 16.9s  remaining: 21.9s
436: learn: 0.0639692    total: 17s    remaining: 21.9s
437: learn: 0.0638288    total: 17s    remaining: 21.9s
438: learn: 0.0636969    total: 17.1s  remaining: 21.8s
439: learn: 0.0635419    total: 17.1s  remaining: 21.8s
440: learn: 0.0634408    total: 17.2s  remaining: 21.8s
441: learn: 0.0634277    total: 17.2s  remaining: 21.7s
442: learn: 0.0633311    total: 17.3s  remaining: 21.8s
443: learn: 0.0632492    total: 17.3s  remaining: 21.7s
444: learn: 0.0631301    total: 17.4s  remaining: 21.7s
445: learn: 0.0629596    total: 17.4s  remaining: 21.7s
446: learn: 0.0629420    total: 17.5s  remaining: 21.6s
447: learn: 0.0628147    total: 17.5s  remaining: 21.6s
448: learn: 0.0627043    total: 17.5s  remaining: 21.5s
449: learn: 0.0625946    total: 17.6s  remaining: 21.5s
450: learn: 0.0625049    total: 17.6s  remaining: 21.5s
451: learn: 0.0624343    total: 17.7s  remaining: 21.5s
452: learn: 0.0623631    total: 17.7s  remaining: 21.4s
453: learn: 0.0622736    total: 17.7s  remaining: 21.3s
454: learn: 0.0621613    total: 17.8s  remaining: 21.3s
455: learn: 0.0620871    total: 17.8s  remaining: 21.3s
456: learn: 0.0619463    total: 17.9s  remaining: 21.3s
457: learn: 0.0618727    total: 17.9s  remaining: 21.2s
458: learn: 0.0617577    total: 18s    remaining: 21.3s
459: learn: 0.0616854    total: 18.1s  remaining: 21.2s
460: learn: 0.0615450    total: 18.1s  remaining: 21.2s
461: learn: 0.0613588    total: 18.2s  remaining: 21.1s
462: learn: 0.0612968    total: 18.2s  remaining: 21.1s
463: learn: 0.0611669    total: 18.2s  remaining: 21s
464: learn: 0.0610497    total: 18.2s  remaining: 21s
465: learn: 0.0609338    total: 18.3s  remaining: 20.9s
466: learn: 0.0608760    total: 18.3s  remaining: 20.9s
467: learn: 0.0608464    total: 18.4s  remaining: 20.9s
468: learn: 0.0607274    total: 18.4s  remaining: 20.8s
469: learn: 0.0606241    total: 18.4s  remaining: 20.8s
470: learn: 0.0605320    total: 18.5s  remaining: 20.7s
471: learn: 0.0604648    total: 18.6s  remaining: 20.8s
472: learn: 0.0603802    total: 18.6s  remaining: 20.8s
473: learn: 0.0602713    total: 18.7s  remaining: 20.7s
474: learn: 0.0601933    total: 18.7s  remaining: 20.7s
475: learn: 0.0601848    total: 18.7s  remaining: 20.6s
476: learn: 0.0600843    total: 18.8s  remaining: 20.6s
477: learn: 0.0600250    total: 18.8s  remaining: 20.5s
478: learn: 0.0599594    total: 18.9s  remaining: 20.5s
479: learn: 0.0598093    total: 19s    remaining: 20.5s
480: learn: 0.0597466    total: 19.1s  remaining: 20.6s
481: learn: 0.0596198    total: 19.1s  remaining: 20.5s
482: learn: 0.0595683    total: 19.2s  remaining: 20.5s
483: learn: 0.0594615    total: 19.3s  remaining: 20.5s

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		houses_kaggle_competition_refined
484:	learn: 0.0594523	total: 19.3s remaining: 20.5s
485:	learn: 0.0594138	total: 19.3s remaining: 20.4s
486:	learn: 0.0593123	total: 19.4s remaining: 20.4s
487:	learn: 0.0593033	total: 19.4s remaining: 20.4s
488:	learn: 0.0592300	total: 19.5s remaining: 20.3s
489:	learn: 0.0591765	total: 19.5s remaining: 20.3s
490:	learn: 0.0590882	total: 19.6s remaining: 20.3s
491:	learn: 0.0589976	total: 19.6s remaining: 20.2s
492:	learn: 0.0588234	total: 19.6s remaining: 20.2s
493:	learn: 0.0587531	total: 19.7s remaining: 20.1s
494:	learn: 0.0587432	total: 19.7s remaining: 20.1s
495:	learn: 0.0587349	total: 19.8s remaining: 20.1s
496:	learn: 0.0586461	total: 19.8s remaining: 20.1s
497:	learn: 0.0585252	total: 19.8s remaining: 20s
498:	learn: 0.0585109	total: 19.9s remaining: 20s
499:	learn: 0.0584488	total: 19.9s remaining: 19.9s
500:	learn: 0.0583621	total: 20s remaining: 19.9s
501:	learn: 0.0582359	total: 20s remaining: 19.9s
502:	learn: 0.0582101	total: 20.1s remaining: 19.9s
503:	learn: 0.0581110	total: 20.1s remaining: 19.8s
504:	learn: 0.0580285	total: 20.2s remaining: 19.8s
505:	learn: 0.0579340	total: 20.2s remaining: 19.7s
506:	learn: 0.0578200	total: 20.3s remaining: 19.7s
507:	learn: 0.0577352	total: 20.4s remaining: 19.7s
508:	learn: 0.0576257	total: 20.4s remaining: 19.7s
509:	learn: 0.0575616	total: 20.4s remaining: 19.6s
510:	learn: 0.0574320	total: 20.4s remaining: 19.5s
511:	learn: 0.0573470	total: 20.4s remaining: 19.5s
512:	learn: 0.0573268	total: 20.5s remaining: 19.5s
513:	learn: 0.0573012	total: 20.5s remaining: 19.4s
514:	learn: 0.0572042	total: 20.6s remaining: 19.4s
515:	learn: 0.0571181	total: 20.6s remaining: 19.4s
516:	learn: 0.0570164	total: 20.6s remaining: 19.3s
517:	learn: 0.0570062	total: 20.7s remaining: 19.2s
518:	learn: 0.0569393	total: 20.7s remaining: 19.2s
519:	learn: 0.0568594	total: 20.7s remaining: 19.1s
520:	learn: 0.0568498	total: 20.8s remaining: 19.2s
521:	learn: 0.0567646	total: 20.9s remaining: 19.1s
522:	learn: 0.0567540	total: 20.9s remaining: 19.1s
523:	learn: 0.0566290	total: 20.9s remaining: 19s
524:	learn: 0.0564637	total: 21s remaining: 19s
525:	learn: 0.0563704	total: 21s remaining: 18.9s
526:	learn: 0.0563064	total: 21.1s remaining: 18.9s
527:	learn: 0.0562340	total: 21.1s remaining: 18.8s
528:	learn: 0.0561560	total: 21.1s remaining: 18.8s
529:	learn: 0.0561480	total: 21.1s remaining: 18.7s
530:	learn: 0.0560956	total: 21.1s remaining: 18.7s
531:	learn: 0.0560198	total: 21.2s remaining: 18.6s
532:	learn: 0.0559327	total: 21.2s remaining: 18.6s
533:	learn: 0.0558489	total: 21.3s remaining: 18.6s
534:	learn: 0.0557002	total: 21.3s remaining: 18.5s
535:	learn: 0.0556097	total: 21.4s remaining: 18.5s
536:	learn: 0.0554794	total: 21.4s remaining: 18.5s
537:	learn: 0.0553633	total: 21.4s remaining: 18.4s
538:	learn: 0.0552844	total: 21.5s remaining: 18.4s
539:	learn: 0.0552659	total: 21.5s remaining: 18.3s
540:	learn: 0.0551474	total: 21.5s remaining: 18.3s
541:	learn: 0.0551402	total: 21.6s remaining: 18.2s
542:	learn: 0.0550265	total: 21.6s remaining: 18.2s
543:	learn: 0.0549062	total: 21.6s remaining: 18.1s
544:	learn: 0.0547607	total: 21.6s remaining: 18.1s
545:	learn: 0.0546279	total: 21.6s remaining: 18s
546:	learn: 0.0545129	total: 21.7s remaining: 17.9s
547:	learn: 0.0544109	total: 21.7s remaining: 17.9s

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548: learn: 0.0542950    total: 21.7s  remaining: 17.9s
549: learn: 0.0541816    total: 21.8s  remaining: 17.8s
550: learn: 0.0540976    total: 21.8s  remaining: 17.8s
551: learn: 0.0540156    total: 21.8s  remaining: 17.7s
552: learn: 0.0539115    total: 21.8s  remaining: 17.7s
553: learn: 0.0538336    total: 21.9s  remaining: 17.6s
554: learn: 0.0537317    total: 21.9s  remaining: 17.5s
555: learn: 0.0537231    total: 21.9s  remaining: 17.5s
556: learn: 0.0536630    total: 21.9s  remaining: 17.4s
557: learn: 0.0536576    total: 22s    remaining: 17.4s
558: learn: 0.0535441    total: 22s    remaining: 17.4s
559: learn: 0.0534266    total: 22.1s  remaining: 17.4s
560: learn: 0.0533372    total: 22.2s  remaining: 17.3s
561: learn: 0.0532544    total: 22.2s  remaining: 17.3s
562: learn: 0.0532229    total: 22.3s  remaining: 17.3s
563: learn: 0.0531614    total: 22.4s  remaining: 17.3s
564: learn: 0.0530755    total: 22.4s  remaining: 17.3s
565: learn: 0.0529889    total: 22.5s  remaining: 17.2s
566: learn: 0.0529736    total: 22.5s  remaining: 17.2s
567: learn: 0.0528513    total: 22.5s  remaining: 17.1s
568: learn: 0.0527922    total: 22.5s  remaining: 17.1s
569: learn: 0.0527288    total: 22.6s  remaining: 17s
570: learn: 0.0526266    total: 22.6s  remaining: 17s
571: learn: 0.0525567    total: 22.6s  remaining: 16.9s
572: learn: 0.0524693    total: 22.7s  remaining: 16.9s
573: learn: 0.0524252    total: 22.7s  remaining: 16.9s
574: learn: 0.0522743    total: 22.7s  remaining: 16.8s
575: learn: 0.0522102    total: 22.7s  remaining: 16.7s
576: learn: 0.0521507    total: 22.8s  remaining: 16.7s
577: learn: 0.0520717    total: 22.8s  remaining: 16.6s
578: learn: 0.0519874    total: 22.8s  remaining: 16.6s
579: learn: 0.0518896    total: 22.8s  remaining: 16.5s
580: learn: 0.0518322    total: 22.9s  remaining: 16.5s
581: learn: 0.0517909    total: 22.9s  remaining: 16.5s
582: learn: 0.0516924    total: 23s    remaining: 16.4s
583: learn: 0.0516411    total: 23s    remaining: 16.4s
584: learn: 0.0515690    total: 23s    remaining: 16.3s
585: learn: 0.0515094    total: 23s    remaining: 16.3s
586: learn: 0.0514174    total: 23.1s  remaining: 16.2s
587: learn: 0.0513538    total: 23.1s  remaining: 16.2s
588: learn: 0.0513093    total: 23.2s  remaining: 16.2s
589: learn: 0.0512931    total: 23.2s  remaining: 16.1s
590: learn: 0.0511802    total: 23.2s  remaining: 16.1s
431: learn: 0.0617050    total: 17.6s  remaining: 23.2s
432: learn: 0.0616308    total: 17.7s  remaining: 23.2s
433: learn: 0.0615162    total: 17.7s  remaining: 23.1s
434: learn: 0.0614323    total: 17.8s  remaining: 23.1s
435: learn: 0.0612825    total: 17.8s  remaining: 23s
436: learn: 0.0612142    total: 17.9s  remaining: 23s
437: learn: 0.0611096    total: 17.9s  remaining: 23s
438: learn: 0.0609765    total: 18s    remaining: 23s
439: learn: 0.0608604    total: 18s    remaining: 22.9s
440: learn: 0.0607569    total: 18s    remaining: 22.9s
441: learn: 0.0606354    total: 18.1s  remaining: 22.9s
442: learn: 0.0604528    total: 18.1s  remaining: 22.8s
443: learn: 0.0603555    total: 18.2s  remaining: 22.7s
444: learn: 0.0603050    total: 18.2s  remaining: 22.7s
445: learn: 0.0602753    total: 18.3s  remaining: 22.7s
446: learn: 0.0601959    total: 18.3s  remaining: 22.6s
447: learn: 0.0600655    total: 18.4s  remaining: 22.6s
448: learn: 0.0599480    total: 18.4s  remaining: 22.6s
449: learn: 0.0598763    total: 18.4s  remaining: 22.5s
450: learn: 0.0597715    total: 18.4s  remaining: 22.4s
451: learn: 0.0596741    total: 18.5s  remaining: 22.4s

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452: learn: 0.0595805    total: 18.5s  remaining: 22.4s
453: learn: 0.0594726    total: 18.5s  remaining: 22.3s
454: learn: 0.0593313    total: 18.6s  remaining: 22.2s
455: learn: 0.0592457    total: 18.6s  remaining: 22.2s
456: learn: 0.0591930    total: 18.6s  remaining: 22.2s
457: learn: 0.0590466    total: 18.7s  remaining: 22.2s
458: learn: 0.0589393    total: 18.8s  remaining: 22.1s
459: learn: 0.0588057    total: 18.8s  remaining: 22.1s
460: learn: 0.0586940    total: 18.8s  remaining: 22s
461: learn: 0.0586025    total: 18.9s  remaining: 22s
462: learn: 0.0584987    total: 18.9s  remaining: 21.9s
463: learn: 0.0584000    total: 18.9s  remaining: 21.9s
464: learn: 0.0583440    total: 19s   remaining: 21.8s
465: learn: 0.0582944    total: 19s   remaining: 21.8s
466: learn: 0.0581685    total: 19.1s  remaining: 21.8s
467: learn: 0.0581086    total: 19.1s  remaining: 21.7s
468: learn: 0.0579865    total: 19.2s  remaining: 21.7s
469: learn: 0.0579094    total: 19.2s  remaining: 21.7s
470: learn: 0.0578395    total: 19.3s  remaining: 21.7s
471: learn: 0.0577544    total: 19.3s  remaining: 21.6s
472: learn: 0.0576466    total: 19.4s  remaining: 21.7s
473: learn: 0.0575525    total: 19.5s  remaining: 21.6s
474: learn: 0.0575063    total: 19.5s  remaining: 21.6s
475: learn: 0.0574099    total: 19.5s  remaining: 21.5s
476: learn: 0.0572937    total: 19.6s  remaining: 21.4s
477: learn: 0.0572227    total: 19.6s  remaining: 21.4s
478: learn: 0.0571539    total: 19.7s  remaining: 21.4s
479: learn: 0.0570782    total: 19.8s  remaining: 21.4s
480: learn: 0.0570142    total: 19.9s  remaining: 21.5s
481: learn: 0.0568853    total: 19.9s  remaining: 21.4s
482: learn: 0.0567679    total: 20s   remaining: 21.4s
483: learn: 0.0567118    total: 20s   remaining: 21.3s
484: learn: 0.0566685    total: 20.1s  remaining: 21.3s
485: learn: 0.0566417    total: 20.1s  remaining: 21.3s
486: learn: 0.0565783    total: 20.2s  remaining: 21.3s
487: learn: 0.0565003    total: 20.2s  remaining: 21.2s
488: learn: 0.0564084    total: 20.3s  remaining: 21.2s
489: learn: 0.0563458    total: 20.4s  remaining: 21.3s
490: learn: 0.0562385    total: 20.5s  remaining: 21.3s
491: learn: 0.0562245    total: 20.6s  remaining: 21.3s
492: learn: 0.0560868    total: 20.7s  remaining: 21.3s
493: learn: 0.0559879    total: 20.8s  remaining: 21.3s
494: learn: 0.0559322    total: 20.8s  remaining: 21.2s
495: learn: 0.0558900    total: 20.9s  remaining: 21.2s
496: learn: 0.0558064    total: 20.9s  remaining: 21.1s
497: learn: 0.0556772    total: 20.9s  remaining: 21.1s
498: learn: 0.0556144    total: 21s   remaining: 21s
499: learn: 0.0555484    total: 21s   remaining: 21s
500: learn: 0.0554807    total: 21.1s  remaining: 21s
501: learn: 0.0554000    total: 21.1s  remaining: 20.9s
502: learn: 0.0553703    total: 21.1s  remaining: 20.8s
503: learn: 0.0552676    total: 21.1s  remaining: 20.8s
504: learn: 0.0551785    total: 21.2s  remaining: 20.8s
505: learn: 0.0551658    total: 21.3s  remaining: 20.8s
506: learn: 0.0550898    total: 21.3s  remaining: 20.7s
507: learn: 0.0549907    total: 21.3s  remaining: 20.6s
508: learn: 0.0549546    total: 21.3s  remaining: 20.6s
509: learn: 0.0548319    total: 21.3s  remaining: 20.5s
510: learn: 0.0547503    total: 21.4s  remaining: 20.4s
511: learn: 0.0546183    total: 21.4s  remaining: 20.4s
512: learn: 0.0545070    total: 21.5s  remaining: 20.4s
513: learn: 0.0544146    total: 21.5s  remaining: 20.3s
514: learn: 0.0543673    total: 21.5s  remaining: 20.3s
515: learn: 0.0543002    total: 21.6s  remaining: 20.2s

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516: learn: 0.0541823      total: 21.6s  remaining: 20.2s
517: learn: 0.0541537      total: 21.7s  remaining: 20.2s
518: learn: 0.0540700      total: 21.7s  remaining: 20.2s
519: learn: 0.0540589      total: 21.8s  remaining: 20.2s
520: learn: 0.0539561      total: 21.9s  remaining: 20.1s
521: learn: 0.0539205      total: 21.9s  remaining: 20.1s
522: learn: 0.0538822      total: 22s    remaining: 20s
523: learn: 0.0538023      total: 22s    remaining: 20s
524: learn: 0.0537561      total: 22.1s  remaining: 20s
525: learn: 0.0536823      total: 22.1s  remaining: 19.9s
526: learn: 0.0536198      total: 22.2s  remaining: 19.9s
527: learn: 0.0535152      total: 22.2s  remaining: 19.9s
528: learn: 0.0534826      total: 22.3s  remaining: 19.9s
529: learn: 0.0533883      total: 22.3s  remaining: 19.8s
530: learn: 0.0533377      total: 22.3s  remaining: 19.7s
531: learn: 0.0533088      total: 22.4s  remaining: 19.7s
532: learn: 0.0531905      total: 22.4s  remaining: 19.6s
533: learn: 0.0531614      total: 22.4s  remaining: 19.6s
534: learn: 0.0531331      total: 22.5s  remaining: 19.5s
535: learn: 0.0530250      total: 22.5s  remaining: 19.5s
536: learn: 0.0529352      total: 22.5s  remaining: 19.4s
537: learn: 0.0528470      total: 22.6s  remaining: 19.4s
538: learn: 0.0528115      total: 22.7s  remaining: 19.4s
539: learn: 0.0527145      total: 22.7s  remaining: 19.4s
540: learn: 0.0526022      total: 22.8s  remaining: 19.3s
541: learn: 0.0524716      total: 22.8s  remaining: 19.3s
542: learn: 0.0524448      total: 22.8s  remaining: 19.2s
543: learn: 0.0523412      total: 22.9s  remaining: 19.2s
544: learn: 0.0522715      total: 23s    remaining: 19.2s
545: learn: 0.0521908      total: 23.1s  remaining: 19.2s
546: learn: 0.0521405      total: 23.1s  remaining: 19.1s
547: learn: 0.0520859      total: 23.2s  remaining: 19.1s
548: learn: 0.0520746      total: 23.2s  remaining: 19.1s
549: learn: 0.0520524      total: 23.3s  remaining: 19s
550: learn: 0.0519953      total: 23.3s  remaining: 19s
551: learn: 0.0518961      total: 23.4s  remaining: 19s
552: learn: 0.0518845      total: 23.4s  remaining: 18.9s
553: learn: 0.0518779      total: 23.5s  remaining: 18.9s
554: learn: 0.0518690      total: 23.5s  remaining: 18.8s
555: learn: 0.0518279      total: 23.5s  remaining: 18.8s
556: learn: 0.0517391      total: 23.6s  remaining: 18.7s
557: learn: 0.0516852      total: 23.6s  remaining: 18.7s
558: learn: 0.0516742      total: 23.6s  remaining: 18.6s
559: learn: 0.0516470      total: 23.6s  remaining: 18.6s
560: learn: 0.0515431      total: 23.7s  remaining: 18.5s
561: learn: 0.0514253      total: 23.7s  remaining: 18.5s
562: learn: 0.0513921      total: 23.7s  remaining: 18.4s
563: learn: 0.0513475      total: 23.8s  remaining: 18.4s
564: learn: 0.0512984      total: 23.8s  remaining: 18.3s
565: learn: 0.0512757      total: 23.8s  remaining: 18.3s
566: learn: 0.0512023      total: 23.8s  remaining: 18.2s
567: learn: 0.0511308      total: 23.9s  remaining: 18.1s
568: learn: 0.0510556      total: 23.9s  remaining: 18.1s
569: learn: 0.0509920      total: 23.9s  remaining: 18s
570: learn: 0.0508699      total: 23.9s  remaining: 18s
571: learn: 0.0507564      total: 24s    remaining: 17.9s
572: learn: 0.0506979      total: 24s    remaining: 17.9s
573: learn: 0.0506199      total: 24s    remaining: 17.8s
574: learn: 0.0505711      total: 24s    remaining: 17.8s
575: learn: 0.0504854      total: 24s    remaining: 17.7s
576: learn: 0.0503955      total: 24.1s  remaining: 17.6s
577: learn: 0.0502909      total: 24.1s  remaining: 17.6s
578: learn: 0.0502650      total: 24.2s  remaining: 17.6s
579: learn: 0.0502087      total: 24.2s  remaining: 17.5s

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580:	learn: 0.0501857	total: 24.2s	remaining: 17.5s
581:	learn: 0.0501611	total: 24.3s	remaining: 17.4s
582:	learn: 0.0501169	total: 24.3s	remaining: 17.4s
583:	learn: 0.0500483	total: 24.3s	remaining: 17.3s
584:	learn: 0.0499926	total: 24.4s	remaining: 17.3s
585:	learn: 0.0498519	total: 24.4s	remaining: 17.2s
586:	learn: 0.0497668	total: 24.4s	remaining: 17.2s
587:	learn: 0.0496772	total: 24.4s	remaining: 17.1s
588:	learn: 0.0496050	total: 24.4s	remaining: 17.1s
429:	learn: 0.0616912	total: 17.7s	remaining: 23.5s
430:	learn: 0.0615481	total: 17.7s	remaining: 23.4s
431:	learn: 0.0615291	total: 17.8s	remaining: 23.3s
432:	learn: 0.0614791	total: 17.8s	remaining: 23.3s
433:	learn: 0.0614353	total: 17.9s	remaining: 23.3s
434:	learn: 0.0613002	total: 17.9s	remaining: 23.3s
435:	learn: 0.0611859	total: 18s	remaining: 23.2s
436:	learn: 0.0611045	total: 18s	remaining: 23.2s
437:	learn: 0.0610129	total: 18.1s	remaining: 23.3s
438:	learn: 0.0609733	total: 18.2s	remaining: 23.2s
439:	learn: 0.0609429	total: 18.3s	remaining: 23.3s
440:	learn: 0.0609322	total: 18.4s	remaining: 23.3s
441:	learn: 0.0608612	total: 18.4s	remaining: 23.3s
442:	learn: 0.0607242	total: 18.5s	remaining: 23.3s
443:	learn: 0.0606198	total: 18.6s	remaining: 23.3s
444:	learn: 0.0605851	total: 18.6s	remaining: 23.2s
445:	learn: 0.0604658	total: 18.6s	remaining: 23.1s
446:	learn: 0.0603576	total: 18.7s	remaining: 23.1s
447:	learn: 0.0603167	total: 18.7s	remaining: 23.1s
448:	learn: 0.0602896	total: 18.9s	remaining: 23.1s
449:	learn: 0.0601793	total: 18.9s	remaining: 23.1s
450:	learn: 0.0600812	total: 19s	remaining: 23.1s
451:	learn: 0.0599922	total: 19s	remaining: 23.1s
452:	learn: 0.0598539	total: 19s	remaining: 23s
453:	learn: 0.0598102	total: 19.1s	remaining: 23s
454:	learn: 0.0597843	total: 19.1s	remaining: 22.9s
455:	learn: 0.0597596	total: 19.2s	remaining: 22.9s
456:	learn: 0.0597184	total: 19.2s	remaining: 22.8s
457:	learn: 0.0595991	total: 19.3s	remaining: 22.8s
458:	learn: 0.0594750	total: 19.3s	remaining: 22.7s
459:	learn: 0.0593735	total: 19.3s	remaining: 22.7s
460:	learn: 0.0592673	total: 19.4s	remaining: 22.6s
461:	learn: 0.0591743	total: 19.4s	remaining: 22.6s
462:	learn: 0.0591182	total: 19.4s	remaining: 22.5s
463:	learn: 0.0590460	total: 19.5s	remaining: 22.5s
464:	learn: 0.0589675	total: 19.5s	remaining: 22.4s
465:	learn: 0.0589319	total: 19.5s	remaining: 22.4s
466:	learn: 0.0588323	total: 19.5s	remaining: 22.3s
467:	learn: 0.0587531	total: 19.6s	remaining: 22.3s
468:	learn: 0.0587289	total: 19.7s	remaining: 22.3s
469:	learn: 0.0587098	total: 19.7s	remaining: 22.2s
470:	learn: 0.0585594	total: 19.7s	remaining: 22.2s
471:	learn: 0.0585168	total: 19.8s	remaining: 22.1s
472:	learn: 0.0583631	total: 19.8s	remaining: 22.1s
473:	learn: 0.0582195	total: 19.8s	remaining: 22s
474:	learn: 0.0580766	total: 19.8s	remaining: 21.9s
475:	learn: 0.0580485	total: 19.9s	remaining: 21.9s
476:	learn: 0.0579196	total: 19.9s	remaining: 21.8s
477:	learn: 0.0577889	total: 20s	remaining: 21.9s
478:	learn: 0.0577153	total: 20s	remaining: 21.8s
479:	learn: 0.0576291	total: 20.1s	remaining: 21.8s
480:	learn: 0.0576148	total: 20.2s	remaining: 21.8s
481:	learn: 0.0575260	total: 20.2s	remaining: 21.7s
482:	learn: 0.0574650	total: 20.4s	remaining: 21.8s
483:	learn: 0.0574547	total: 20.4s	remaining: 21.8s

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484: learn: 0.0573646    total: 20.5s  remaining: 21.7s
485: learn: 0.0572160    total: 20.5s  remaining: 21.7s
486: learn: 0.0572033    total: 20.5s  remaining: 21.6s
487: learn: 0.0570848    total: 20.5s  remaining: 21.5s
488: learn: 0.0569698    total: 20.5s  remaining: 21.5s
489: learn: 0.0568389    total: 20.6s  remaining: 21.4s
490: learn: 0.0567967    total: 20.6s  remaining: 21.3s
491: learn: 0.0567673    total: 20.6s  remaining: 21.3s
492: learn: 0.0567565    total: 20.7s  remaining: 21.3s
493: learn: 0.0567042    total: 20.7s  remaining: 21.2s
494: learn: 0.0566096    total: 20.8s  remaining: 21.2s
495: learn: 0.0565469    total: 20.8s  remaining: 21.1s
496: learn: 0.0564422    total: 20.8s  remaining: 21.1s
497: learn: 0.0563594    total: 20.9s  remaining: 21.1s
498: learn: 0.0562499    total: 21s    remaining: 21.1s
499: learn: 0.0561653    total: 21s    remaining: 21s
500: learn: 0.0560673    total: 21.1s  remaining: 21s
501: learn: 0.0559254    total: 21.1s  remaining: 20.9s
502: learn: 0.0558475    total: 21.1s  remaining: 20.9s
503: learn: 0.0558196    total: 21.2s  remaining: 20.8s
504: learn: 0.0558064    total: 21.2s  remaining: 20.8s
505: learn: 0.0557359    total: 21.2s  remaining: 20.7s
506: learn: 0.0556490    total: 21.2s  remaining: 20.6s
507: learn: 0.0555603    total: 21.2s  remaining: 20.6s
508: learn: 0.0554751    total: 21.3s  remaining: 20.5s
509: learn: 0.0554265    total: 21.3s  remaining: 20.4s
510: learn: 0.0554013    total: 21.3s  remaining: 20.4s
511: learn: 0.0553468    total: 21.3s  remaining: 20.3s
512: learn: 0.0552231    total: 21.4s  remaining: 20.3s
513: learn: 0.0550888    total: 21.4s  remaining: 20.2s
514: learn: 0.0550149    total: 21.4s  remaining: 20.2s
515: learn: 0.0549058    total: 21.5s  remaining: 20.1s
516: learn: 0.0548070    total: 21.5s  remaining: 20.1s
517: learn: 0.0546802    total: 21.5s  remaining: 20s
518: learn: 0.0546336    total: 21.5s  remaining: 19.9s
519: learn: 0.0546094    total: 21.6s  remaining: 19.9s
520: learn: 0.0545343    total: 21.6s  remaining: 19.8s
521: learn: 0.0544123    total: 21.6s  remaining: 19.8s
522: learn: 0.0542807    total: 21.6s  remaining: 19.7s
523: learn: 0.0541782    total: 21.7s  remaining: 19.7s
524: learn: 0.0541611    total: 21.7s  remaining: 19.6s
525: learn: 0.0540530    total: 21.7s  remaining: 19.5s
526: learn: 0.0539868    total: 21.7s  remaining: 19.5s
527: learn: 0.0539034    total: 21.7s  remaining: 19.4s
528: learn: 0.0538169    total: 21.7s  remaining: 19.4s
529: learn: 0.0537430    total: 21.8s  remaining: 19.3s
530: learn: 0.0536233    total: 21.8s  remaining: 19.2s
531: learn: 0.0535598    total: 21.8s  remaining: 19.2s
532: learn: 0.0535198    total: 21.8s  remaining: 19.1s
533: learn: 0.0534356    total: 21.9s  remaining: 19.1s
534: learn: 0.0534049    total: 21.9s  remaining: 19s
535: learn: 0.0533061    total: 21.9s  remaining: 19s
536: learn: 0.0532197    total: 21.9s  remaining: 18.9s
537: learn: 0.0531458    total: 21.9s  remaining: 18.8s
538: learn: 0.0530729    total: 21.9s  remaining: 18.8s
539: learn: 0.0530401    total: 22s    remaining: 18.7s
540: learn: 0.0529657    total: 22s    remaining: 18.7s
541: learn: 0.0529017    total: 22.1s  remaining: 18.7s
542: learn: 0.0527889    total: 22.1s  remaining: 18.6s
543: learn: 0.0527639    total: 22.1s  remaining: 18.5s
544: learn: 0.0527028    total: 22.1s  remaining: 18.5s
545: learn: 0.0526016    total: 22.2s  remaining: 18.4s
546: learn: 0.0525177    total: 22.2s  remaining: 18.4s
547: learn: 0.0524483    total: 22.2s  remaining: 18.3s

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548: learn: 0.0524170    total: 22.2s  remaining: 18.2s
549: learn: 0.0523300    total: 22.2s  remaining: 18.2s
550: learn: 0.0522248    total: 22.3s  remaining: 18.2s
551: learn: 0.0521525    total: 22.3s  remaining: 18.1s
552: learn: 0.0520996    total: 22.3s  remaining: 18.1s
553: learn: 0.0520308    total: 22.3s  remaining: 18s
554: learn: 0.0520209    total: 22.4s  remaining: 17.9s
555: learn: 0.0519373    total: 22.4s  remaining: 17.9s
556: learn: 0.0518916    total: 22.4s  remaining: 17.8s
557: learn: 0.0517984    total: 22.4s  remaining: 17.8s
558: learn: 0.0517172    total: 22.4s  remaining: 17.7s
559: learn: 0.0516839    total: 22.5s  remaining: 17.7s
560: learn: 0.0515554    total: 22.5s  remaining: 17.6s
561: learn: 0.0514947    total: 22.5s  remaining: 17.5s
562: learn: 0.0513946    total: 22.5s  remaining: 17.5s
563: learn: 0.0512971    total: 22.6s  remaining: 17.4s
564: learn: 0.0512210    total: 22.6s  remaining: 17.4s
565: learn: 0.0511648    total: 22.7s  remaining: 17.4s
566: learn: 0.0510364    total: 22.8s  remaining: 17.4s
567: learn: 0.0509056    total: 22.8s  remaining: 17.3s
568: learn: 0.0508549    total: 22.9s  remaining: 17.3s
569: learn: 0.0507386    total: 23s    remaining: 17.3s
570: learn: 0.0506943    total: 23s    remaining: 17.3s
571: learn: 0.0506207    total: 23s    remaining: 17.2s
572: learn: 0.0505542    total: 23.1s  remaining: 17.2s
573: learn: 0.0505375    total: 23.1s  remaining: 17.1s
574: learn: 0.0504541    total: 23.1s  remaining: 17.1s
575: learn: 0.0503739    total: 23.1s  remaining: 17s
576: learn: 0.0503144    total: 23.1s  remaining: 17s
577: learn: 0.0502269    total: 23.1s  remaining: 16.9s
578: learn: 0.0501779    total: 23.2s  remaining: 16.8s
579: learn: 0.0501666    total: 23.2s  remaining: 16.8s
580: learn: 0.0500933    total: 23.2s  remaining: 16.7s
581: learn: 0.0499754    total: 23.2s  remaining: 16.7s
582: learn: 0.0498723    total: 23.2s  remaining: 16.6s
583: learn: 0.0498037    total: 23.2s  remaining: 16.5s
584: learn: 0.0497305    total: 23.2s  remaining: 16.5s
585: learn: 0.0497185    total: 23.2s  remaining: 16.4s
586: learn: 0.0496419    total: 23.2s  remaining: 16.3s
218: learn: 0.0868532    total: 9.63s  remaining: 34.3s
219: learn: 0.0868042    total: 9.66s  remaining: 34.3s
220: learn: 0.0866440    total: 9.7s   remaining: 34.2s
221: learn: 0.0864652    total: 9.73s  remaining: 34.1s
222: learn: 0.0862488    total: 9.76s  remaining: 34s
223: learn: 0.0859821    total: 9.81s  remaining: 34s
224: learn: 0.0859022    total: 9.84s  remaining: 33.9s
225: learn: 0.0857559    total: 9.85s  remaining: 33.7s
226: learn: 0.0855992    total: 9.9s   remaining: 33.7s
227: learn: 0.0855616    total: 9.95s  remaining: 33.7s
228: learn: 0.0854738    total: 10s    remaining: 33.7s
229: learn: 0.0853967    total: 10.1s  remaining: 33.6s
230: learn: 0.0851473    total: 10.1s  remaining: 33.6s
231: learn: 0.0850090    total: 10.2s  remaining: 33.8s
232: learn: 0.0849147    total: 10.3s  remaining: 33.8s
233: learn: 0.0847866    total: 10.3s  remaining: 33.7s
234: learn: 0.0846061    total: 10.3s  remaining: 33.7s
235: learn: 0.0844676    total: 10.4s  remaining: 33.6s
236: learn: 0.0843318    total: 10.4s  remaining: 33.4s
237: learn: 0.0840769    total: 10.4s  remaining: 33.4s
238: learn: 0.0839630    total: 10.5s  remaining: 33.3s
239: learn: 0.0837886    total: 10.5s  remaining: 33.2s
240: learn: 0.0836441    total: 10.6s  remaining: 33.3s
241: learn: 0.0835734    total: 10.6s  remaining: 33.3s
242: learn: 0.0833259    total: 10.7s  remaining: 33.2s

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243: learn: 0.0832418    total: 10.7s  remaining: 33.2s
244: learn: 0.0830900    total: 10.8s  remaining: 33.3s
245: learn: 0.0828601    total: 10.8s  remaining: 33.1s
246: learn: 0.0827367    total: 10.9s  remaining: 33.2s
247: learn: 0.0824288    total: 10.9s  remaining: 33.1s
248: learn: 0.0822511    total: 10.9s  remaining: 33s
249: learn: 0.0821650    total: 11s    remaining: 33s
250: learn: 0.0819710    total: 11s    remaining: 32.9s
251: learn: 0.0818539    total: 11.2s  remaining: 33.1s
252: learn: 0.0816180    total: 11.2s  remaining: 33s
253: learn: 0.0815464    total: 11.3s  remaining: 33.2s
254: learn: 0.0815162    total: 11.4s  remaining: 33.3s
255: learn: 0.0813085    total: 11.4s  remaining: 33.2s
256: learn: 0.0812215    total: 11.6s  remaining: 33.4s
257: learn: 0.0811523    total: 11.7s  remaining: 33.7s
258: learn: 0.0810731    total: 11.8s  remaining: 33.6s
259: learn: 0.0809138    total: 11.8s  remaining: 33.7s
260: learn: 0.0807080    total: 11.9s  remaining: 33.8s
261: learn: 0.0806199    total: 11.9s  remaining: 33.6s
262: learn: 0.0803837    total: 12s    remaining: 33.6s
263: learn: 0.0802075    total: 12s    remaining: 33.6s
264: learn: 0.0801728    total: 12.1s  remaining: 33.5s
265: learn: 0.0799697    total: 12.1s  remaining: 33.3s
266: learn: 0.0797371    total: 12.1s  remaining: 33.3s
267: learn: 0.0797075    total: 12.1s  remaining: 33.1s
268: learn: 0.0795622    total: 12.1s  remaining: 33s
269: learn: 0.0794169    total: 12.2s  remaining: 33s
270: learn: 0.0792530    total: 12.2s  remaining: 32.8s
271: learn: 0.0791597    total: 12.3s  remaining: 32.8s
272: learn: 0.0789910    total: 12.3s  remaining: 32.8s
273: learn: 0.0788085    total: 12.4s  remaining: 32.7s
274: learn: 0.0785468    total: 12.4s  remaining: 32.6s
275: learn: 0.0783091    total: 12.4s  remaining: 32.6s
276: learn: 0.0782852    total: 12.5s  remaining: 32.6s
277: learn: 0.0781959    total: 12.5s  remaining: 32.5s
278: learn: 0.0780606    total: 12.6s  remaining: 32.5s
279: learn: 0.0780304    total: 12.7s  remaining: 32.6s
280: learn: 0.0778345    total: 12.7s  remaining: 32.6s
281: learn: 0.0778080    total: 12.8s  remaining: 32.6s
282: learn: 0.0777548    total: 12.8s  remaining: 32.4s
283: learn: 0.0775801    total: 12.9s  remaining: 32.5s
284: learn: 0.0774052    total: 13s    remaining: 32.5s
285: learn: 0.0771924    total: 13s    remaining: 32.5s
286: learn: 0.0771679    total: 13.1s  remaining: 32.4s
287: learn: 0.0770236    total: 13.1s  remaining: 32.3s
288: learn: 0.0769969    total: 13.1s  remaining: 32.3s
289: learn: 0.0768894    total: 13.2s  remaining: 32.3s
290: learn: 0.0768635    total: 13.2s  remaining: 32.2s
291: learn: 0.0767373    total: 13.2s  remaining: 32.1s
292: learn: 0.0766338    total: 13.3s  remaining: 32s
293: learn: 0.0764789    total: 13.3s  remaining: 32s
294: learn: 0.0764609    total: 13.4s  remaining: 32s
295: learn: 0.0762727    total: 13.4s  remaining: 31.9s
296: learn: 0.0761183    total: 13.5s  remaining: 31.9s
297: learn: 0.0759360    total: 13.5s  remaining: 31.8s
298: learn: 0.0757159    total: 13.5s  remaining: 31.8s
299: learn: 0.0756938    total: 13.6s  remaining: 31.7s
300: learn: 0.0754802    total: 13.6s  remaining: 31.6s
301: learn: 0.0752746    total: 13.6s  remaining: 31.5s
302: learn: 0.0752511    total: 13.7s  remaining: 31.6s
303: learn: 0.0752306    total: 13.8s  remaining: 31.6s
304: learn: 0.0750962    total: 13.9s  remaining: 31.7s
305: learn: 0.0750737    total: 14s    remaining: 31.6s
306: learn: 0.0750517    total: 14s    remaining: 31.6s

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307: learn: 0.0750346      total: 14s      remaining: 31.5s
308: learn: 0.0748380      total: 14.1s     remaining: 31.5s
309: learn: 0.0748223      total: 14.1s     remaining: 31.4s
310: learn: 0.0747479      total: 14.1s     remaining: 31.3s
311: learn: 0.0747274      total: 14.2s     remaining: 31.3s
312: learn: 0.0747088      total: 14.2s     remaining: 31.2s
313: learn: 0.0745306      total: 14.3s     remaining: 31.1s
314: learn: 0.0744496      total: 14.3s     remaining: 31s
315: learn: 0.0744318      total: 14.3s     remaining: 31s
316: learn: 0.0744129      total: 14.3s     remaining: 30.9s
317: learn: 0.0743334      total: 14.4s     remaining: 30.8s
318: learn: 0.0742870      total: 14.4s     remaining: 30.8s
319: learn: 0.0741375      total: 14.5s     remaining: 30.8s
320: learn: 0.0740140      total: 14.5s     remaining: 30.6s
321: learn: 0.0739974      total: 14.5s     remaining: 30.5s
322: learn: 0.0739832      total: 14.5s     remaining: 30.5s
323: learn: 0.0738093      total: 14.6s     remaining: 30.4s
324: learn: 0.0737718      total: 14.6s     remaining: 30.3s
325: learn: 0.0737539      total: 14.7s     remaining: 30.3s
326: learn: 0.0736380      total: 14.7s     remaining: 30.2s
327: learn: 0.0734986      total: 14.7s     remaining: 30.1s
328: learn: 0.0734809      total: 14.7s     remaining: 30s
329: learn: 0.0732450      total: 14.7s     remaining: 29.9s
330: learn: 0.0731348      total: 14.8s     remaining: 29.8s
331: learn: 0.0731142      total: 14.8s     remaining: 29.7s
332: learn: 0.0730128      total: 14.8s     remaining: 29.7s
333: learn: 0.0728743      total: 14.8s     remaining: 29.6s
334: learn: 0.0728584      total: 14.8s     remaining: 29.5s
335: learn: 0.0727387      total: 14.9s     remaining: 29.4s
336: learn: 0.0726928      total: 14.9s     remaining: 29.3s
337: learn: 0.0726721      total: 14.9s     remaining: 29.2s
338: learn: 0.0725691      total: 14.9s     remaining: 29.1s
339: learn: 0.0723949      total: 15s       remaining: 29.1s
340: learn: 0.0723113      total: 15s       remaining: 29s
341: learn: 0.0721357      total: 15s       remaining: 28.9s
342: learn: 0.0721197      total: 15.1s     remaining: 28.8s
343: learn: 0.0720256      total: 15.1s     remaining: 28.7s
344: learn: 0.0720095      total: 15.1s     remaining: 28.7s
345: learn: 0.0718407      total: 15.1s     remaining: 28.6s
346: learn: 0.0717912      total: 15.1s     remaining: 28.5s
347: learn: 0.0716398      total: 15.1s     remaining: 28.3s
348: learn: 0.0714992      total: 15.1s     remaining: 28.3s
349: learn: 0.0714802      total: 15.2s     remaining: 28.2s
350: learn: 0.0713944      total: 15.2s     remaining: 28.1s
351: learn: 0.0712515      total: 15.2s     remaining: 28.1s
352: learn: 0.0712393      total: 15.3s     remaining: 28s
353: learn: 0.0711020      total: 15.3s     remaining: 27.9s
354: learn: 0.0709384      total: 15.3s     remaining: 27.8s
355: learn: 0.0708629      total: 15.4s     remaining: 27.8s
356: learn: 0.0708276      total: 15.4s     remaining: 27.7s
357: learn: 0.0706823      total: 15.4s     remaining: 27.7s
358: learn: 0.0705654      total: 15.5s     remaining: 27.6s
359: learn: 0.0704361      total: 15.6s     remaining: 27.7s
360: learn: 0.0703111      total: 15.7s     remaining: 27.7s
361: learn: 0.0701718      total: 15.7s     remaining: 27.7s
362: learn: 0.0701378      total: 15.7s     remaining: 27.6s
363: learn: 0.0698846      total: 15.7s     remaining: 27.5s
364: learn: 0.0697558      total: 15.8s     remaining: 27.5s
365: learn: 0.0696106      total: 15.9s     remaining: 27.5s
366: learn: 0.0695986      total: 15.9s     remaining: 27.5s
367: learn: 0.0694901      total: 15.9s     remaining: 27.4s
368: learn: 0.0694765      total: 15.9s     remaining: 27.3s
369: learn: 0.0693148      total: 16s       remaining: 27.2s
370: learn: 0.0692689      total: 16s       remaining: 27.2s

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371: learn: 0.0691132      total: 16s      remaining: 27s
372: learn: 0.0690772      total: 16.1s     remaining: 27s
373: learn: 0.0689247      total: 16.1s     remaining: 26.9s
374: learn: 0.0689106      total: 16.1s     remaining: 26.8s
375: learn: 0.0688037      total: 16.1s     remaining: 26.8s
432: learn: 0.0627283      total: 16.2s     remaining: 21.2s
433: learn: 0.0625511      total: 16.3s     remaining: 21.2s
434: learn: 0.0624993      total: 16.3s     remaining: 21.2s
435: learn: 0.0624000      total: 16.3s     remaining: 21.1s
436: learn: 0.0622953      total: 16.4s     remaining: 21.1s
437: learn: 0.0622158      total: 16.4s     remaining: 21.1s
438: learn: 0.0621579      total: 16.5s     remaining: 21.1s
439: learn: 0.0621352      total: 16.5s     remaining: 21s
440: learn: 0.0620509      total: 16.6s     remaining: 21s
441: learn: 0.0620356      total: 16.6s     remaining: 21s
442: learn: 0.0618818      total: 16.7s     remaining: 20.9s
443: learn: 0.0617548      total: 16.7s     remaining: 20.9s
444: learn: 0.0617297      total: 16.8s     remaining: 20.9s
445: learn: 0.0617167      total: 16.8s     remaining: 20.9s
446: learn: 0.0616434      total: 16.9s     remaining: 20.9s
447: learn: 0.0614843      total: 16.9s     remaining: 20.9s
448: learn: 0.0613689      total: 17s       remaining: 20.8s
449: learn: 0.0612992      total: 17s       remaining: 20.7s
450: learn: 0.0612230      total: 17s       remaining: 20.7s
451: learn: 0.0611209      total: 17.1s     remaining: 20.7s
452: learn: 0.0610139      total: 17.1s     remaining: 20.6s
453: learn: 0.0610045      total: 17.1s     remaining: 20.6s
454: learn: 0.0609688      total: 17.2s     remaining: 20.6s
455: learn: 0.0608550      total: 17.2s     remaining: 20.6s
456: learn: 0.0607495      total: 17.3s     remaining: 20.5s
457: learn: 0.0606272      total: 17.3s     remaining: 20.5s
458: learn: 0.0606212      total: 17.4s     remaining: 20.5s
459: learn: 0.0606010      total: 17.4s     remaining: 20.4s
460: learn: 0.0604733      total: 17.5s     remaining: 20.4s
461: learn: 0.0603096      total: 17.5s     remaining: 20.4s
462: learn: 0.0601763      total: 17.6s     remaining: 20.4s
463: learn: 0.0600935      total: 17.7s     remaining: 20.4s
464: learn: 0.0599439      total: 17.7s     remaining: 20.4s
465: learn: 0.0599155      total: 17.8s     remaining: 20.3s
466: learn: 0.0597945      total: 17.8s     remaining: 20.3s
467: learn: 0.0596675      total: 17.9s     remaining: 20.3s
468: learn: 0.0595199      total: 17.9s     remaining: 20.3s
469: learn: 0.0594971      total: 18s       remaining: 20.3s
470: learn: 0.0593174      total: 18s       remaining: 20.2s
471: learn: 0.0591745      total: 18s       remaining: 20.1s
472: learn: 0.0590342      total: 18s       remaining: 20.1s
473: learn: 0.0588627      total: 18s       remaining: 20s
474: learn: 0.0587081      total: 18s       remaining: 19.9s
475: learn: 0.0586181      total: 18.1s     remaining: 19.9s
476: learn: 0.0584880      total: 18.1s     remaining: 19.8s
477: learn: 0.0584145      total: 18.1s     remaining: 19.8s
478: learn: 0.0582836      total: 18.2s     remaining: 19.8s
479: learn: 0.0581724      total: 18.3s     remaining: 19.8s
480: learn: 0.0580397      total: 18.3s     remaining: 19.8s
481: learn: 0.0579784      total: 18.4s     remaining: 19.7s
482: learn: 0.0578356      total: 18.5s     remaining: 19.8s
483: learn: 0.0577498      total: 18.5s     remaining: 19.7s
484: learn: 0.0577354      total: 18.6s     remaining: 19.7s
485: learn: 0.0576684      total: 18.6s     remaining: 19.7s
486: learn: 0.0575472      total: 18.7s     remaining: 19.7s
487: learn: 0.0574311      total: 18.7s     remaining: 19.7s
488: learn: 0.0573502      total: 18.8s     remaining: 19.6s
489: learn: 0.0572346      total: 18.8s     remaining: 19.6s
490: learn: 0.0571726      total: 18.8s     remaining: 19.5s

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491: learn: 0.0571303    total: 18.9s  remaining: 19.5s
492: learn: 0.0569914    total: 18.9s  remaining: 19.5s
493: learn: 0.0568684    total: 19s    remaining: 19.4s
494: learn: 0.0567646    total: 19s    remaining: 19.4s
495: learn: 0.0565859    total: 19s    remaining: 19.3s
496: learn: 0.0565157    total: 19s    remaining: 19.2s
497: learn: 0.0564543    total: 19.1s  remaining: 19.3s
498: learn: 0.0563832    total: 19.2s  remaining: 19.3s
499: learn: 0.0562650    total: 19.2s  remaining: 19.2s
500: learn: 0.0561286    total: 19.3s  remaining: 19.2s
501: learn: 0.0560576    total: 19.4s  remaining: 19.2s
502: learn: 0.0560134    total: 19.4s  remaining: 19.2s
503: learn: 0.0559576    total: 19.4s  remaining: 19.1s
504: learn: 0.0558174    total: 19.7s  remaining: 19.3s
505: learn: 0.0557618    total: 19.7s  remaining: 19.2s
506: learn: 0.0557556    total: 19.7s  remaining: 19.2s
507: learn: 0.0556082    total: 19.7s  remaining: 19.1s
508: learn: 0.0555140    total: 19.8s  remaining: 19.1s
509: learn: 0.0554132    total: 19.9s  remaining: 19.1s
510: learn: 0.0553949    total: 19.9s  remaining: 19s
511: learn: 0.0553089    total: 20s    remaining: 19s
512: learn: 0.0551834    total: 20s    remaining: 19s
513: learn: 0.0551268    total: 20s    remaining: 18.9s
514: learn: 0.0550147    total: 20.1s  remaining: 19s
515: learn: 0.0550094    total: 20.2s  remaining: 18.9s
516: learn: 0.0549333    total: 20.2s  remaining: 18.9s
517: learn: 0.0549018    total: 20.3s  remaining: 18.9s
518: learn: 0.0548406    total: 20.3s  remaining: 18.8s
519: learn: 0.0548038    total: 20.3s  remaining: 18.8s
520: learn: 0.0547535    total: 20.4s  remaining: 18.8s
521: learn: 0.0546109    total: 20.4s  remaining: 18.7s
522: learn: 0.0544677    total: 20.5s  remaining: 18.7s
523: learn: 0.0544266    total: 20.5s  remaining: 18.6s
524: learn: 0.0543134    total: 20.5s  remaining: 18.6s
525: learn: 0.0541963    total: 20.6s  remaining: 18.6s
526: learn: 0.0541281    total: 20.6s  remaining: 18.5s
527: learn: 0.0540560    total: 20.7s  remaining: 18.5s
528: learn: 0.0539574    total: 20.7s  remaining: 18.4s
529: learn: 0.0538623    total: 20.7s  remaining: 18.4s
530: learn: 0.0537766    total: 20.8s  remaining: 18.4s
531: learn: 0.0536573    total: 20.8s  remaining: 18.3s
532: learn: 0.0536499    total: 20.8s  remaining: 18.3s
533: learn: 0.0535360    total: 20.8s  remaining: 18.2s
534: learn: 0.0534656    total: 20.9s  remaining: 18.2s
535: learn: 0.0534194    total: 20.9s  remaining: 18.1s
536: learn: 0.0533533    total: 21s    remaining: 18.1s
537: learn: 0.0532668    total: 21s    remaining: 18s
538: learn: 0.0531236    total: 21s    remaining: 18s
539: learn: 0.0529698    total: 21.1s  remaining: 18s
540: learn: 0.0529066    total: 21.1s  remaining: 17.9s
541: learn: 0.0528462    total: 21.2s  remaining: 17.9s
542: learn: 0.0527575    total: 21.3s  remaining: 18s
543: learn: 0.0526867    total: 21.4s  remaining: 17.9s
544: learn: 0.0525977    total: 21.4s  remaining: 17.9s
545: learn: 0.0525000    total: 21.4s  remaining: 17.8s
546: learn: 0.0523828    total: 21.4s  remaining: 17.8s
547: learn: 0.0523250    total: 21.5s  remaining: 17.7s
548: learn: 0.0522201    total: 21.5s  remaining: 17.7s
549: learn: 0.0521345    total: 21.6s  remaining: 17.6s
550: learn: 0.0520348    total: 21.6s  remaining: 17.6s
551: learn: 0.0519418    total: 21.6s  remaining: 17.5s
552: learn: 0.0518874    total: 21.7s  remaining: 17.5s
553: learn: 0.0517413    total: 21.7s  remaining: 17.5s
554: learn: 0.0516240    total: 21.7s  remaining: 17.4s

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555: learn: 0.0514880    total: 21.7s  remaining: 17.4s
556: learn: 0.0514111    total: 21.8s  remaining: 17.3s
557: learn: 0.0513496    total: 21.8s  remaining: 17.3s
558: learn: 0.0513097    total: 21.9s  remaining: 17.3s
559: learn: 0.0512466    total: 21.9s  remaining: 17.2s
560: learn: 0.0511910    total: 22s    remaining: 17.2s
561: learn: 0.0510555    total: 22s    remaining: 17.2s
562: learn: 0.0509522    total: 22s    remaining: 17.1s
563: learn: 0.0508641    total: 22.1s  remaining: 17.1s
564: learn: 0.0508553    total: 22.1s  remaining: 17s
565: learn: 0.0507853    total: 22.2s  remaining: 17s
566: learn: 0.0507708    total: 22.2s  remaining: 17s
567: learn: 0.0506641    total: 22.3s  remaining: 16.9s
568: learn: 0.0505508    total: 22.3s  remaining: 16.9s
569: learn: 0.0505262    total: 22.3s  remaining: 16.8s
570: learn: 0.0503957    total: 22.3s  remaining: 16.8s
571: learn: 0.0502850    total: 22.4s  remaining: 16.7s
572: learn: 0.0501493    total: 22.4s  remaining: 16.7s
573: learn: 0.0501242    total: 22.4s  remaining: 16.6s
574: learn: 0.0500524    total: 22.5s  remaining: 16.6s
575: learn: 0.0500355    total: 22.5s  remaining: 16.5s
576: learn: 0.0499573    total: 22.5s  remaining: 16.5s
577: learn: 0.0498724    total: 22.5s  remaining: 16.4s
578: learn: 0.0497713    total: 22.6s  remaining: 16.4s
579: learn: 0.0496965    total: 22.6s  remaining: 16.4s
580: learn: 0.0496442    total: 22.6s  remaining: 16.3s
581: learn: 0.0495246    total: 22.6s  remaining: 16.3s
582: learn: 0.0494848    total: 22.7s  remaining: 16.2s
583: learn: 0.0494052    total: 22.7s  remaining: 16.2s
584: learn: 0.0493265    total: 22.8s  remaining: 16.1s
585: learn: 0.0492845    total: 22.8s  remaining: 16.1s
586: learn: 0.0491956    total: 22.8s  remaining: 16s
587: learn: 0.0491325    total: 22.9s  remaining: 16s
588: learn: 0.0490581    total: 22.9s  remaining: 16s
589: learn: 0.0489418    total: 22.9s  remaining: 15.9s
590: learn: 0.0488554    total: 22.9s  remaining: 15.9s
591: learn: 0.0510589    total: 23.2s  remaining: 16s
592: learn: 0.0510087    total: 23.3s  remaining: 16s
593: learn: 0.0509210    total: 23.3s  remaining: 15.9s
594: learn: 0.0508405    total: 23.4s  remaining: 15.9s
595: learn: 0.0507485    total: 23.4s  remaining: 15.8s
596: learn: 0.0507408    total: 23.4s  remaining: 15.8s
597: learn: 0.0506156    total: 23.4s  remaining: 15.8s
598: learn: 0.0505449    total: 23.5s  remaining: 15.7s
599: learn: 0.0504226    total: 23.5s  remaining: 15.7s
600: learn: 0.0503186    total: 23.6s  remaining: 15.6s
601: learn: 0.0502420    total: 23.6s  remaining: 15.6s
602: learn: 0.0502320    total: 23.6s  remaining: 15.6s
603: learn: 0.0501326    total: 23.7s  remaining: 15.5s
604: learn: 0.0500694    total: 23.7s  remaining: 15.5s
605: learn: 0.0500505    total: 23.8s  remaining: 15.5s
606: learn: 0.0500465    total: 23.8s  remaining: 15.4s
607: learn: 0.0499396    total: 23.9s  remaining: 15.4s
608: learn: 0.0498612    total: 23.9s  remaining: 15.3s
609: learn: 0.0498419    total: 23.9s  remaining: 15.3s
610: learn: 0.0497764    total: 23.9s  remaining: 15.2s
611: learn: 0.0497051    total: 24s    remaining: 15.2s
612: learn: 0.0495783    total: 24s    remaining: 15.1s
613: learn: 0.0495566    total: 24s    remaining: 15.1s
614: learn: 0.0494994    total: 24s    remaining: 15.1s
615: learn: 0.0494719    total: 24.1s  remaining: 15s
616: learn: 0.0493716    total: 24.1s  remaining: 15s
617: learn: 0.0493033    total: 24.1s  remaining: 14.9s
618: learn: 0.0492436    total: 24.2s  remaining: 14.9s

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619: learn: 0.0491638    total: 24.3s  remaining: 14.9s
620: learn: 0.0491282    total: 24.3s  remaining: 14.8s
621: learn: 0.0490507    total: 24.3s  remaining: 14.8s
622: learn: 0.0490470    total: 24.3s  remaining: 14.7s
623: learn: 0.0489701    total: 24.4s  remaining: 14.7s
624: learn: 0.0489310    total: 24.4s  remaining: 14.6s
625: learn: 0.0488337    total: 24.4s  remaining: 14.6s
626: learn: 0.0487697    total: 24.5s  remaining: 14.6s
627: learn: 0.0486814    total: 24.6s  remaining: 14.6s
628: learn: 0.0486153    total: 24.7s  remaining: 14.5s
629: learn: 0.0485074    total: 24.7s  remaining: 14.5s
630: learn: 0.0483788    total: 24.7s  remaining: 14.5s
631: learn: 0.0483214    total: 24.8s  remaining: 14.4s
632: learn: 0.0483103    total: 24.9s  remaining: 14.5s
633: learn: 0.0482428    total: 24.9s  remaining: 14.4s
634: learn: 0.0481707    total: 25s   remaining: 14.4s
635: learn: 0.0481100    total: 25s   remaining: 14.3s
636: learn: 0.0480421    total: 25.1s  remaining: 14.3s
637: learn: 0.0479926    total: 25.1s  remaining: 14.3s
638: learn: 0.0479117    total: 25.2s  remaining: 14.2s
639: learn: 0.0478232    total: 25.2s  remaining: 14.2s
640: learn: 0.0477774    total: 25.2s  remaining: 14.1s
641: learn: 0.0477032    total: 25.3s  remaining: 14.1s
642: learn: 0.0476421    total: 25.3s  remaining: 14.1s
643: learn: 0.0476002    total: 25.4s  remaining: 14s
644: learn: 0.0475199    total: 25.4s  remaining: 14s
645: learn: 0.0474605    total: 25.4s  remaining: 13.9s
646: learn: 0.0474304    total: 25.5s  remaining: 13.9s
647: learn: 0.0474270    total: 25.5s  remaining: 13.9s
648: learn: 0.0474133    total: 25.6s  remaining: 13.8s
649: learn: 0.0473784    total: 25.6s  remaining: 13.8s
650: learn: 0.0473639    total: 25.6s  remaining: 13.7s
651: learn: 0.0473564    total: 25.6s  remaining: 13.7s
652: learn: 0.0472676    total: 25.6s  remaining: 13.6s
653: learn: 0.0471877    total: 25.6s  remaining: 13.6s
654: learn: 0.0471737    total: 25.6s  remaining: 13.5s
655: learn: 0.0471252    total: 25.8s  remaining: 13.5s
656: learn: 0.0470336    total: 25.9s  remaining: 13.5s
657: learn: 0.0469340    total: 25.9s  remaining: 13.5s
658: learn: 0.0468272    total: 25.9s  remaining: 13.4s
659: learn: 0.0467804    total: 26s   remaining: 13.4s
660: learn: 0.0467047    total: 26s   remaining: 13.3s
661: learn: 0.0466423    total: 26s   remaining: 13.3s
662: learn: 0.0465308    total: 26.1s  remaining: 13.2s
663: learn: 0.0464440    total: 26.1s  remaining: 13.2s
664: learn: 0.0464171    total: 26.1s  remaining: 13.2s
665: learn: 0.0463534    total: 26.1s  remaining: 13.1s
666: learn: 0.0462837    total: 26.2s  remaining: 13.1s
667: learn: 0.0462582    total: 26.2s  remaining: 13s
668: learn: 0.0461627    total: 26.2s  remaining: 13s
669: learn: 0.0461183    total: 26.3s  remaining: 12.9s
670: learn: 0.0460952    total: 26.3s  remaining: 12.9s
671: learn: 0.0460712    total: 26.3s  remaining: 12.8s
672: learn: 0.0460189    total: 26.4s  remaining: 12.8s
673: learn: 0.0459537    total: 26.4s  remaining: 12.8s
674: learn: 0.0458962    total: 26.5s  remaining: 12.7s
675: learn: 0.0458577    total: 26.5s  remaining: 12.7s
676: learn: 0.0458328    total: 26.5s  remaining: 12.6s
677: learn: 0.0458031    total: 26.5s  remaining: 12.6s
678: learn: 0.0457248    total: 26.6s  remaining: 12.6s
679: learn: 0.0456815    total: 26.6s  remaining: 12.5s
680: learn: 0.0456329    total: 26.6s  remaining: 12.5s
681: learn: 0.0455485    total: 26.6s  remaining: 12.4s
682: learn: 0.0454501    total: 26.7s  remaining: 12.4s

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683: learn: 0.0453620    total: 26.7s  remaining: 12.3s
684: learn: 0.0452879    total: 26.7s  remaining: 12.3s
685: learn: 0.0452292    total: 26.8s  remaining: 12.3s
686: learn: 0.0451693    total: 26.8s  remaining: 12.2s
687: learn: 0.0451247    total: 26.9s  remaining: 12.2s
688: learn: 0.0450814    total: 26.9s  remaining: 12.2s
689: learn: 0.0450323    total: 27s    remaining: 12.1s
690: learn: 0.0449219    total: 27s    remaining: 12.1s
691: learn: 0.0448414    total: 27.1s  remaining: 12s
692: learn: 0.0448344    total: 27.1s  remaining: 12s
693: learn: 0.0447370    total: 27.1s  remaining: 12s
694: learn: 0.0446567    total: 27.2s  remaining: 11.9s
695: learn: 0.0446011    total: 27.3s  remaining: 11.9s
696: learn: 0.0445357    total: 27.3s  remaining: 11.9s
697: learn: 0.0444568    total: 27.4s  remaining: 11.8s
698: learn: 0.0444110    total: 27.4s  remaining: 11.8s
699: learn: 0.0443709    total: 27.5s  remaining: 11.8s
700: learn: 0.0442942    total: 27.5s  remaining: 11.7s
701: learn: 0.0442185    total: 27.6s  remaining: 11.7s
702: learn: 0.0441940    total: 27.6s  remaining: 11.7s
703: learn: 0.0441737    total: 27.7s  remaining: 11.6s
704: learn: 0.0441059    total: 27.7s  remaining: 11.6s
705: learn: 0.0440451    total: 27.7s  remaining: 11.6s
706: learn: 0.0439834    total: 27.8s  remaining: 11.5s
707: learn: 0.0439719    total: 27.8s  remaining: 11.5s
708: learn: 0.0439272    total: 27.8s  remaining: 11.4s
709: learn: 0.0438686    total: 27.9s  remaining: 11.4s
710: learn: 0.0438253    total: 27.9s  remaining: 11.3s
711: learn: 0.0437698    total: 27.9s  remaining: 11.3s
712: learn: 0.0437019    total: 27.9s  remaining: 11.2s
713: learn: 0.0436347    total: 27.9s  remaining: 11.2s
714: learn: 0.0435307    total: 28s    remaining: 11.1s
715: learn: 0.0434400    total: 28s    remaining: 11.1s
716: learn: 0.0434076    total: 28s    remaining: 11s
717: learn: 0.0433588    total: 28s    remaining: 11s
718: learn: 0.0433215    total: 28s    remaining: 10.9s
719: learn: 0.0432606    total: 28s    remaining: 10.9s
720: learn: 0.0432289    total: 28.1s  remaining: 10.9s
721: learn: 0.0431611    total: 28.1s  remaining: 10.8s
722: learn: 0.0431556    total: 28.1s  remaining: 10.8s
723: learn: 0.0430985    total: 28.1s  remaining: 10.7s
724: learn: 0.0430918    total: 28.2s  remaining: 10.7s
725: learn: 0.0430200    total: 28.2s  remaining: 10.6s
726: learn: 0.0429331    total: 28.2s  remaining: 10.6s
727: learn: 0.0428865    total: 28.3s  remaining: 10.6s
728: learn: 0.0428385    total: 28.3s  remaining: 10.5s
729: learn: 0.0427727    total: 28.3s  remaining: 10.5s
730: learn: 0.0427088    total: 28.4s  remaining: 10.5s
731: learn: 0.0426962    total: 28.4s  remaining: 10.4s
732: learn: 0.0426189    total: 28.5s  remaining: 10.4s
733: learn: 0.0426124    total: 28.5s  remaining: 10.3s
734: learn: 0.0425687    total: 28.6s  remaining: 10.3s
735: learn: 0.0425658    total: 28.7s  remaining: 10.3s
736: learn: 0.0425415    total: 28.7s  remaining: 10.2s
737: learn: 0.0424709    total: 28.8s  remaining: 10.2s
738: learn: 0.0424048    total: 28.9s  remaining: 10.2s
739: learn: 0.0423493    total: 29s    remaining: 10.2s
740: learn: 0.0422813    total: 29s    remaining: 10.1s
741: learn: 0.0422182    total: 29.1s  remaining: 10.1s
742: learn: 0.0421453    total: 29.1s  remaining: 10.1s
743: learn: 0.0421357    total: 29.2s  remaining: 10.1s
744: learn: 0.0420629    total: 29.3s  remaining: 10s
745: learn: 0.0420435    total: 29.3s  remaining: 9.97s
746: learn: 0.0419860    total: 29.3s  remaining: 9.93s

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747:	learn: 0.0419128	total: 29.4s	remaining: 9.89s
748:	learn: 0.0418654	total: 29.4s	remaining: 9.86s
376:	learn: 0.0686646	total: 16.2s	remaining: 26.7s
377:	learn: 0.0686527	total: 16.2s	remaining: 26.6s
378:	learn: 0.0686381	total: 16.2s	remaining: 26.5s
379:	learn: 0.0685240	total: 16.2s	remaining: 26.4s
380:	learn: 0.0683685	total: 16.2s	remaining: 26.4s
381:	learn: 0.0682792	total: 16.2s	remaining: 26.3s
382:	learn: 0.0681816	total: 16.3s	remaining: 26.2s
383:	learn: 0.0680420	total: 16.3s	remaining: 26.1s
384:	learn: 0.0680322	total: 16.4s	remaining: 26.1s
385:	learn: 0.0679543	total: 16.4s	remaining: 26.1s
386:	learn: 0.0678249	total: 16.5s	remaining: 26.1s
387:	learn: 0.0678131	total: 16.5s	remaining: 26s
388:	learn: 0.0676416	total: 16.5s	remaining: 25.9s
389:	learn: 0.0675701	total: 16.5s	remaining: 25.8s
390:	learn: 0.0673732	total: 16.6s	remaining: 25.8s
391:	learn: 0.0672607	total: 16.6s	remaining: 25.7s
392:	learn: 0.0672219	total: 16.6s	remaining: 25.7s
393:	learn: 0.0670885	total: 16.7s	remaining: 25.6s
394:	learn: 0.0669983	total: 16.7s	remaining: 25.5s
395:	learn: 0.0668678	total: 16.7s	remaining: 25.5s
396:	learn: 0.0667555	total: 16.7s	remaining: 25.4s
397:	learn: 0.0667116	total: 16.8s	remaining: 25.4s
398:	learn: 0.0665466	total: 16.8s	remaining: 25.3s
399:	learn: 0.0664064	total: 16.9s	remaining: 25.3s
400:	learn: 0.0662157	total: 16.9s	remaining: 25.2s
401:	learn: 0.0662072	total: 16.9s	remaining: 25.2s
402:	learn: 0.0661974	total: 16.9s	remaining: 25.1s
403:	learn: 0.0660348	total: 17s	remaining: 25s
404:	learn: 0.0658884	total: 17s	remaining: 24.9s
405:	learn: 0.0657684	total: 17s	remaining: 24.9s
406:	learn: 0.0655627	total: 17.1s	remaining: 24.9s
407:	learn: 0.0654689	total: 17.1s	remaining: 24.8s
408:	learn: 0.0654198	total: 17.2s	remaining: 24.8s
409:	learn: 0.0652498	total: 17.2s	remaining: 24.8s
410:	learn: 0.0651698	total: 17.2s	remaining: 24.7s
411:	learn: 0.0650563	total: 17.3s	remaining: 24.6s
412:	learn: 0.0650170	total: 17.3s	remaining: 24.5s
413:	learn: 0.0648677	total: 17.3s	remaining: 24.5s
414:	learn: 0.0647572	total: 17.3s	remaining: 24.4s
415:	learn: 0.0646269	total: 17.3s	remaining: 24.4s
416:	learn: 0.0646085	total: 17.4s	remaining: 24.3s
417:	learn: 0.0645295	total: 17.5s	remaining: 24.3s
418:	learn: 0.0644631	total: 17.6s	remaining: 24.3s
419:	learn: 0.0643525	total: 17.6s	remaining: 24.3s
420:	learn: 0.0642676	total: 17.6s	remaining: 24.2s
421:	learn: 0.0642115	total: 17.6s	remaining: 24.2s
422:	learn: 0.0640757	total: 17.7s	remaining: 24.1s
423:	learn: 0.0640440	total: 17.7s	remaining: 24s
424:	learn: 0.0639066	total: 17.7s	remaining: 23.9s
425:	learn: 0.0637484	total: 17.7s	remaining: 23.9s
426:	learn: 0.0636469	total: 17.8s	remaining: 23.8s
427:	learn: 0.0636296	total: 17.8s	remaining: 23.8s
428:	learn: 0.0635093	total: 17.8s	remaining: 23.7s
429:	learn: 0.0633339	total: 17.9s	remaining: 23.7s
430:	learn: 0.0633109	total: 17.9s	remaining: 23.7s
431:	learn: 0.0632459	total: 18s	remaining: 23.7s
432:	learn: 0.0630901	total: 18.1s	remaining: 23.7s
433:	learn: 0.0630540	total: 18.1s	remaining: 23.6s
434:	learn: 0.0630082	total: 18.2s	remaining: 23.6s
435:	learn: 0.0629526	total: 18.2s	remaining: 23.6s
436:	learn: 0.0628568	total: 18.2s	remaining: 23.5s
437:	learn: 0.0627570	total: 18.3s	remaining: 23.5s

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438: learn: 0.0626804      total: 18.3s  remaining: 23.4s
439: learn: 0.0625650      total: 18.3s  remaining: 23.3s
440: learn: 0.0623944      total: 18.4s  remaining: 23.3s
441: learn: 0.0622649      total: 18.4s  remaining: 23.3s
442: learn: 0.0622485      total: 18.4s  remaining: 23.2s
443: learn: 0.0621220      total: 18.5s  remaining: 23.1s
444: learn: 0.0620781      total: 18.5s  remaining: 23.1s
445: learn: 0.0620458      total: 18.6s  remaining: 23.1s
446: learn: 0.0619673      total: 18.6s  remaining: 23s
447: learn: 0.0618844      total: 18.7s  remaining: 23s
448: learn: 0.0618447      total: 18.7s  remaining: 23s
449: learn: 0.0617370      total: 18.8s  remaining: 22.9s
450: learn: 0.0615736      total: 18.8s  remaining: 22.9s
451: learn: 0.0614887      total: 18.8s  remaining: 22.8s
452: learn: 0.0613599      total: 18.9s  remaining: 22.8s
453: learn: 0.0612997      total: 18.9s  remaining: 22.7s
454: learn: 0.0612394      total: 18.9s  remaining: 22.7s
455: learn: 0.0612041      total: 18.9s  remaining: 22.6s
456: learn: 0.0610533      total: 19s    remaining: 22.5s
457: learn: 0.0609341      total: 19s    remaining: 22.5s
458: learn: 0.0608736      total: 19.1s  remaining: 22.5s
459: learn: 0.0607992      total: 19.1s  remaining: 22.4s
460: learn: 0.0606931      total: 19.2s  remaining: 22.4s
461: learn: 0.0605953      total: 19.2s  remaining: 22.4s
462: learn: 0.0605151      total: 19.3s  remaining: 22.4s
463: learn: 0.0605021      total: 19.3s  remaining: 22.3s
464: learn: 0.0603376      total: 19.3s  remaining: 22.2s
465: learn: 0.0602767      total: 19.3s  remaining: 22.2s
466: learn: 0.0601815      total: 19.4s  remaining: 22.1s
467: learn: 0.0600948      total: 19.4s  remaining: 22.1s
468: learn: 0.0600141      total: 19.5s  remaining: 22.1s
469: learn: 0.0599272      total: 19.6s  remaining: 22.1s
470: learn: 0.0598167      total: 19.6s  remaining: 22s
471: learn: 0.0596933      total: 19.6s  remaining: 21.9s
472: learn: 0.0596018      total: 19.6s  remaining: 21.9s
473: learn: 0.0594450      total: 19.7s  remaining: 21.9s
474: learn: 0.0593691      total: 19.7s  remaining: 21.8s
475: learn: 0.0592288      total: 19.8s  remaining: 21.8s
476: learn: 0.0590962      total: 19.8s  remaining: 21.7s
477: learn: 0.0589636      total: 19.8s  remaining: 21.6s
478: learn: 0.0588491      total: 19.8s  remaining: 21.6s
479: learn: 0.0587069      total: 19.9s  remaining: 21.5s
480: learn: 0.0586215      total: 19.9s  remaining: 21.5s
481: learn: 0.0584803      total: 20s    remaining: 21.5s
482: learn: 0.0584348      total: 20s    remaining: 21.4s
483: learn: 0.0584010      total: 20s    remaining: 21.3s
484: learn: 0.0583075      total: 20s    remaining: 21.2s
485: learn: 0.0582997      total: 20.1s  remaining: 21.2s
486: learn: 0.0582038      total: 20.1s  remaining: 21.2s
487: learn: 0.0580950      total: 20.1s  remaining: 21.1s
488: learn: 0.0580065      total: 20.2s  remaining: 21.1s
489: learn: 0.0579208      total: 20.2s  remaining: 21s
490: learn: 0.0578066      total: 20.2s  remaining: 21s
491: learn: 0.0577264      total: 20.3s  remaining: 20.9s
492: learn: 0.0576412      total: 20.3s  remaining: 20.9s
493: learn: 0.0575609      total: 20.4s  remaining: 20.9s
494: learn: 0.0575173      total: 20.4s  remaining: 20.8s
495: learn: 0.0574293      total: 20.4s  remaining: 20.7s
496: learn: 0.0573993      total: 20.5s  remaining: 20.7s
497: learn: 0.0572989      total: 20.6s  remaining: 20.7s
498: learn: 0.0572011      total: 20.6s  remaining: 20.7s
499: learn: 0.0571311      total: 20.6s  remaining: 20.6s
500: learn: 0.0569816      total: 20.6s  remaining: 20.6s
501: learn: 0.0569181      total: 20.7s  remaining: 20.5s

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502: learn: 0.0568271    total: 20.7s  remaining: 20.4s
503: learn: 0.0567188    total: 20.7s  remaining: 20.4s
504: learn: 0.0566342    total: 20.7s  remaining: 20.3s
505: learn: 0.0565363    total: 20.8s  remaining: 20.3s
506: learn: 0.0565054    total: 20.8s  remaining: 20.2s
507: learn: 0.0564180    total: 20.8s  remaining: 20.1s
508: learn: 0.0563335    total: 20.8s  remaining: 20.1s
509: learn: 0.0561971    total: 20.9s  remaining: 20s
510: learn: 0.0561043    total: 20.9s  remaining: 20s
511: learn: 0.0560296    total: 20.9s  remaining: 19.9s
512: learn: 0.0559124    total: 21s    remaining: 19.9s
513: learn: 0.0558028    total: 21.1s  remaining: 19.9s
514: learn: 0.0557752    total: 21.1s  remaining: 19.9s
515: learn: 0.0557094    total: 21.2s  remaining: 19.9s
516: learn: 0.0556613    total: 21.2s  remaining: 19.8s
517: learn: 0.0555303    total: 21.3s  remaining: 19.8s
518: learn: 0.0554509    total: 21.3s  remaining: 19.8s
519: learn: 0.0553923    total: 21.4s  remaining: 19.7s
520: learn: 0.0553489    total: 21.4s  remaining: 19.7s
521: learn: 0.0552637    total: 21.4s  remaining: 19.6s
522: learn: 0.0551751    total: 21.5s  remaining: 19.6s
523: learn: 0.0550675    total: 21.5s  remaining: 19.6s
524: learn: 0.0549937    total: 21.6s  remaining: 19.5s
525: learn: 0.0549064    total: 21.6s  remaining: 19.5s
526: learn: 0.0547953    total: 21.6s  remaining: 19.4s
527: learn: 0.0547888    total: 21.7s  remaining: 19.4s
528: learn: 0.0546940    total: 21.7s  remaining: 19.3s
529: learn: 0.0546067    total: 21.7s  remaining: 19.3s
530: learn: 0.0545198    total: 21.8s  remaining: 19.2s
531: learn: 0.0544540    total: 21.9s  remaining: 19.2s
532: learn: 0.0543530    total: 21.9s  remaining: 19.2s
533: learn: 0.0542991    total: 21.9s  remaining: 19.1s
589: learn: 0.0495747    total: 24.4s  remaining: 17s
590: learn: 0.0494820    total: 24.5s  remaining: 16.9s
591: learn: 0.0494007    total: 24.5s  remaining: 16.9s
592: learn: 0.0493248    total: 24.6s  remaining: 16.9s
593: learn: 0.0492720    total: 24.6s  remaining: 16.8s
594: learn: 0.0492094    total: 24.6s  remaining: 16.8s
595: learn: 0.0491510    total: 24.7s  remaining: 16.7s
596: learn: 0.0491159    total: 24.7s  remaining: 16.7s
597: learn: 0.0490547    total: 24.7s  remaining: 16.6s
598: learn: 0.0489866    total: 24.8s  remaining: 16.6s
599: learn: 0.0489720    total: 24.8s  remaining: 16.5s
600: learn: 0.0489379    total: 24.8s  remaining: 16.5s
601: learn: 0.0489186    total: 24.8s  remaining: 16.4s
602: learn: 0.0488692    total: 24.9s  remaining: 16.4s
603: learn: 0.0488604    total: 24.9s  remaining: 16.3s
604: learn: 0.0487660    total: 24.9s  remaining: 16.3s
605: learn: 0.0487058    total: 25s    remaining: 16.2s
606: learn: 0.0486280    total: 25s    remaining: 16.2s
607: learn: 0.0485682    total: 25s    remaining: 16.1s
608: learn: 0.0485512    total: 25s    remaining: 16.1s
609: learn: 0.0484250    total: 25s    remaining: 16s
610: learn: 0.0484162    total: 25s    remaining: 15.9s
611: learn: 0.0483552    total: 25.1s  remaining: 15.9s
612: learn: 0.0482767    total: 25.1s  remaining: 15.8s
613: learn: 0.0482039    total: 25.1s  remaining: 15.8s
614: learn: 0.0481913    total: 25.1s  remaining: 15.7s
615: learn: 0.0481073    total: 25.2s  remaining: 15.7s
616: learn: 0.0480819    total: 25.2s  remaining: 15.6s
617: learn: 0.0480211    total: 25.2s  remaining: 15.6s
618: learn: 0.0479945    total: 25.2s  remaining: 15.5s
619: learn: 0.0479395    total: 25.3s  remaining: 15.5s
620: learn: 0.0478499    total: 25.3s  remaining: 15.4s

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621:	learn: 0.0477408	total: 25.3s	remaining: 15.4s
622:	learn: 0.0476713	total: 25.4s	remaining: 15.3s
623:	learn: 0.0475703	total: 25.4s	remaining: 15.3s
624:	learn: 0.0474840	total: 25.4s	remaining: 15.3s
625:	learn: 0.0474609	total: 25.5s	remaining: 15.2s
626:	learn: 0.0474498	total: 25.5s	remaining: 15.2s
627:	learn: 0.0474120	total: 25.6s	remaining: 15.2s
628:	learn: 0.0473351	total: 25.6s	remaining: 15.1s
629:	learn: 0.0472721	total: 25.7s	remaining: 15.1s
630:	learn: 0.0472067	total: 25.9s	remaining: 15.1s
631:	learn: 0.0471172	total: 25.9s	remaining: 15.1s
632:	learn: 0.0470468	total: 25.9s	remaining: 15s
633:	learn: 0.0469743	total: 26s	remaining: 15s
634:	learn: 0.0469266	total: 26.1s	remaining: 15s
635:	learn: 0.0468702	total: 26.1s	remaining: 15s
636:	learn: 0.0468138	total: 26.2s	remaining: 14.9s
637:	learn: 0.0467096	total: 26.3s	remaining: 14.9s
638:	learn: 0.0466486	total: 26.4s	remaining: 14.9s
639:	learn: 0.0466008	total: 26.5s	remaining: 14.9s
640:	learn: 0.0464701	total: 26.6s	remaining: 14.9s
641:	learn: 0.0464138	total: 26.7s	remaining: 14.9s
642:	learn: 0.0463492	total: 26.8s	remaining: 14.9s
643:	learn: 0.0462860	total: 26.8s	remaining: 14.8s
644:	learn: 0.0462316	total: 26.8s	remaining: 14.8s
645:	learn: 0.0461866	total: 26.9s	remaining: 14.8s
646:	learn: 0.0461382	total: 27s	remaining: 14.7s
647:	learn: 0.0460873	total: 27s	remaining: 14.7s
648:	learn: 0.0460284	total: 27s	remaining: 14.6s
649:	learn: 0.0459503	total: 27.1s	remaining: 14.6s
650:	learn: 0.0458607	total: 27.1s	remaining: 14.5s
651:	learn: 0.0458334	total: 27.1s	remaining: 14.5s
652:	learn: 0.0457475	total: 27.1s	remaining: 14.4s
653:	learn: 0.0456733	total: 27.2s	remaining: 14.4s
654:	learn: 0.0455887	total: 27.3s	remaining: 14.4s
655:	learn: 0.0455079	total: 27.3s	remaining: 14.3s
656:	learn: 0.0454151	total: 27.3s	remaining: 14.3s
657:	learn: 0.0453283	total: 27.4s	remaining: 14.2s
658:	learn: 0.0452462	total: 27.4s	remaining: 14.2s
659:	learn: 0.0452143	total: 27.4s	remaining: 14.1s
660:	learn: 0.0451459	total: 27.4s	remaining: 14s
661:	learn: 0.0451005	total: 27.4s	remaining: 14s
662:	learn: 0.0450202	total: 27.4s	remaining: 13.9s
663:	learn: 0.0449829	total: 27.4s	remaining: 13.9s
664:	learn: 0.0449753	total: 27.5s	remaining: 13.9s
665:	learn: 0.0448942	total: 27.6s	remaining: 13.8s
666:	learn: 0.0447996	total: 27.6s	remaining: 13.8s
667:	learn: 0.0447878	total: 27.6s	remaining: 13.7s
668:	learn: 0.0447096	total: 27.7s	remaining: 13.7s
669:	learn: 0.0446557	total: 27.7s	remaining: 13.7s
670:	learn: 0.0446024	total: 27.8s	remaining: 13.6s
671:	learn: 0.0445839	total: 27.8s	remaining: 13.6s
672:	learn: 0.0445407	total: 27.9s	remaining: 13.5s
673:	learn: 0.0444633	total: 27.9s	remaining: 13.5s
674:	learn: 0.0444405	total: 28s	remaining: 13.5s
675:	learn: 0.0444107	total: 28s	remaining: 13.4s
676:	learn: 0.0443673	total: 28s	remaining: 13.4s
677:	learn: 0.0443608	total: 28.1s	remaining: 13.3s
678:	learn: 0.0442697	total: 28.1s	remaining: 13.3s
679:	learn: 0.0442056	total: 28.2s	remaining: 13.3s
680:	learn: 0.0442011	total: 28.2s	remaining: 13.2s
681:	learn: 0.0441204	total: 28.3s	remaining: 13.2s
682:	learn: 0.0441145	total: 28.4s	remaining: 13.2s
683:	learn: 0.0440626	total: 28.4s	remaining: 13.1s
684:	learn: 0.0440052	total: 28.5s	remaining: 13.1s

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685: learn: 0.0439517      total: 28.5s  remaining: 13.1s
686: learn: 0.0439434      total: 28.6s  remaining: 13s
687: learn: 0.0439230      total: 28.6s  remaining: 13s
688: learn: 0.0438536      total: 28.7s  remaining: 12.9s
689: learn: 0.0438078      total: 28.7s  remaining: 12.9s
690: learn: 0.0437708      total: 28.8s  remaining: 12.9s
691: learn: 0.0437653      total: 28.8s  remaining: 12.8s
692: learn: 0.0436782      total: 28.8s  remaining: 12.7s
693: learn: 0.0436007      total: 28.8s  remaining: 12.7s
694: learn: 0.0435515      total: 28.9s  remaining: 12.7s
695: learn: 0.0434840      total: 28.9s  remaining: 12.6s
696: learn: 0.0434077      total: 29s    remaining: 12.6s
697: learn: 0.0433884      total: 29s    remaining: 12.5s
698: learn: 0.0433258      total: 29s    remaining: 12.5s
699: learn: 0.0433054      total: 29s    remaining: 12.4s
700: learn: 0.0432321      total: 29.1s  remaining: 12.4s
701: learn: 0.0431382      total: 29.1s  remaining: 12.3s
702: learn: 0.0430494      total: 29.1s  remaining: 12.3s
703: learn: 0.0429746      total: 29.2s  remaining: 12.3s
704: learn: 0.0429067      total: 29.2s  remaining: 12.2s
705: learn: 0.0428493      total: 29.2s  remaining: 12.2s
706: learn: 0.0427893      total: 29.2s  remaining: 12.1s
707: learn: 0.0427326      total: 29.3s  remaining: 12.1s
708: learn: 0.0426443      total: 29.3s  remaining: 12s
709: learn: 0.0425825      total: 29.3s  remaining: 12s
710: learn: 0.0425025      total: 29.5s  remaining: 12s
711: learn: 0.0424080      total: 29.6s  remaining: 12s
712: learn: 0.0423641      total: 29.7s  remaining: 11.9s
713: learn: 0.0423406      total: 29.8s  remaining: 11.9s
714: learn: 0.0423294      total: 29.8s  remaining: 11.9s
715: learn: 0.0422619      total: 29.9s  remaining: 11.8s
716: learn: 0.0421655      total: 29.9s  remaining: 11.8s
717: learn: 0.0421038      total: 30s    remaining: 11.8s
718: learn: 0.0420763      total: 30s    remaining: 11.7s
719: learn: 0.0420351      total: 30.1s  remaining: 11.7s
720: learn: 0.0419747      total: 30.1s  remaining: 11.6s
721: learn: 0.0419431      total: 30.1s  remaining: 11.6s
722: learn: 0.0418849      total: 30.2s  remaining: 11.6s
723: learn: 0.0418244      total: 30.2s  remaining: 11.5s
724: learn: 0.0417362      total: 30.2s  remaining: 11.5s
725: learn: 0.0417325      total: 30.4s  remaining: 11.5s
726: learn: 0.0416332      total: 30.4s  remaining: 11.4s
727: learn: 0.0416131      total: 30.4s  remaining: 11.4s
728: learn: 0.0415841      total: 30.5s  remaining: 11.3s
729: learn: 0.0415138      total: 30.5s  remaining: 11.3s
730: learn: 0.0414472      total: 30.6s  remaining: 11.3s
731: learn: 0.0414312      total: 30.7s  remaining: 11.2s
732: learn: 0.0413271      total: 30.7s  remaining: 11.2s
733: learn: 0.0412537      total: 30.7s  remaining: 11.1s
734: learn: 0.0411661      total: 30.8s  remaining: 11.1s
735: learn: 0.0411065      total: 30.8s  remaining: 11.1s
736: learn: 0.0410937      total: 30.9s  remaining: 11s
737: learn: 0.0410183      total: 30.9s  remaining: 11s
738: learn: 0.0409899      total: 31s    remaining: 10.9s
739: learn: 0.0409436      total: 31s    remaining: 10.9s
740: learn: 0.0408795      total: 31s    remaining: 10.8s
741: learn: 0.0408173      total: 31s    remaining: 10.8s
742: learn: 0.0407718      total: 31.1s  remaining: 10.8s
743: learn: 0.0407496      total: 31.1s  remaining: 10.7s
744: learn: 0.0406790      total: 31.2s  remaining: 10.7s
745: learn: 0.0406131      total: 31.2s  remaining: 10.6s
746: learn: 0.0405532      total: 31.3s  remaining: 10.6s
747: learn: 0.0405340      total: 31.3s  remaining: 10.5s
587: learn: 0.0495512      total: 23.2s  remaining: 16.3s

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588: learn: 0.0495414    total: 23.2s  remaining: 16.2s
589: learn: 0.0494651    total: 23.2s  remaining: 16.2s
590: learn: 0.0493796    total: 23.3s  remaining: 16.1s
591: learn: 0.0492809    total: 23.3s  remaining: 16s
592: learn: 0.0491954    total: 23.3s  remaining: 16s
593: learn: 0.0491871    total: 23.3s  remaining: 15.9s
594: learn: 0.0491464    total: 23.3s  remaining: 15.9s
595: learn: 0.0490942    total: 23.3s  remaining: 15.8s
596: learn: 0.0489967    total: 23.3s  remaining: 15.7s
597: learn: 0.0489523    total: 23.3s  remaining: 15.7s
598: learn: 0.0488975    total: 23.4s  remaining: 15.7s
599: learn: 0.0488678    total: 23.4s  remaining: 15.6s
600: learn: 0.0487611    total: 23.4s  remaining: 15.5s
601: learn: 0.0487547    total: 23.5s  remaining: 15.5s
602: learn: 0.0486422    total: 23.6s  remaining: 15.5s
603: learn: 0.0485804    total: 23.6s  remaining: 15.4s
604: learn: 0.0485144    total: 23.6s  remaining: 15.4s
605: learn: 0.0484006    total: 23.6s  remaining: 15.4s
606: learn: 0.0483053    total: 23.7s  remaining: 15.3s
607: learn: 0.0481861    total: 23.7s  remaining: 15.3s
608: learn: 0.0481180    total: 23.7s  remaining: 15.2s
609: learn: 0.0480192    total: 23.7s  remaining: 15.2s
610: learn: 0.0479891    total: 23.8s  remaining: 15.1s
611: learn: 0.0479405    total: 23.8s  remaining: 15.1s
612: learn: 0.0478990    total: 23.9s  remaining: 15.1s
613: learn: 0.0477979    total: 23.9s  remaining: 15s
614: learn: 0.0477323    total: 23.9s  remaining: 15s
615: learn: 0.0477171    total: 23.9s  remaining: 14.9s
616: learn: 0.0476203    total: 24s   remaining: 14.9s
617: learn: 0.0475533    total: 24s   remaining: 14.8s
618: learn: 0.0474557    total: 24s   remaining: 14.8s
619: learn: 0.0473564    total: 24.1s  remaining: 14.7s
620: learn: 0.0472297    total: 24.1s  remaining: 14.7s
621: learn: 0.0471830    total: 24.2s  remaining: 14.7s
622: learn: 0.0471045    total: 24.2s  remaining: 14.6s
623: learn: 0.0470117    total: 24.2s  remaining: 14.6s
624: learn: 0.0468979    total: 24.3s  remaining: 14.6s
625: learn: 0.0468506    total: 24.3s  remaining: 14.5s
626: learn: 0.0467863    total: 24.3s  remaining: 14.5s
627: learn: 0.0467283    total: 24.4s  remaining: 14.4s
628: learn: 0.0466414    total: 24.4s  remaining: 14.4s
629: learn: 0.0466171    total: 24.4s  remaining: 14.4s
630: learn: 0.0465701    total: 24.5s  remaining: 14.3s
631: learn: 0.0464908    total: 24.5s  remaining: 14.3s
632: learn: 0.0463817    total: 24.5s  remaining: 14.2s
633: learn: 0.0462955    total: 24.5s  remaining: 14.1s
634: learn: 0.0462199    total: 24.6s  remaining: 14.1s
635: learn: 0.0462097    total: 24.7s  remaining: 14.1s
636: learn: 0.0461664    total: 24.7s  remaining: 14.1s
637: learn: 0.0460498    total: 24.8s  remaining: 14.1s
638: learn: 0.0459766    total: 24.8s  remaining: 14s
639: learn: 0.0458912    total: 24.9s  remaining: 14s
640: learn: 0.0457906    total: 24.9s  remaining: 13.9s
641: learn: 0.0457025    total: 24.9s  remaining: 13.9s
642: learn: 0.0456569    total: 25s   remaining: 13.9s
643: learn: 0.0455783    total: 25s   remaining: 13.8s
644: learn: 0.0455150    total: 25s   remaining: 13.8s
645: learn: 0.0454071    total: 25s   remaining: 13.7s
646: learn: 0.0453245    total: 25.1s  remaining: 13.7s
647: learn: 0.0452637    total: 25.1s  remaining: 13.6s
648: learn: 0.0451489    total: 25.1s  remaining: 13.6s
649: learn: 0.0450974    total: 25.2s  remaining: 13.5s
650: learn: 0.0449861    total: 25.2s  remaining: 13.5s
651: learn: 0.0449352    total: 25.3s  remaining: 13.5s

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652: learn: 0.0448977    total: 25.3s  remaining: 13.5s
653: learn: 0.0448180    total: 25.3s  remaining: 13.4s
654: learn: 0.0448107    total: 25.3s  remaining: 13.3s
655: learn: 0.0447062    total: 25.4s  remaining: 13.3s
656: learn: 0.0446228    total: 25.5s  remaining: 13.3s
657: learn: 0.0446136    total: 25.5s  remaining: 13.2s
658: learn: 0.0445204    total: 25.5s  remaining: 13.2s
659: learn: 0.0445073    total: 25.5s  remaining: 13.2s
660: learn: 0.0444481    total: 25.6s  remaining: 13.1s
661: learn: 0.0443754    total: 25.6s  remaining: 13.1s
662: learn: 0.0442967    total: 25.7s  remaining: 13.1s
663: learn: 0.0442388    total: 25.8s  remaining: 13s
664: learn: 0.0441834    total: 25.8s  remaining: 13s
665: learn: 0.0441756    total: 25.9s  remaining: 13s
666: learn: 0.0441081    total: 25.9s  remaining: 12.9s
667: learn: 0.0440529    total: 26s   remaining: 12.9s
668: learn: 0.0440336    total: 26s   remaining: 12.9s
669: learn: 0.0440119    total: 26.1s  remaining: 12.9s
670: learn: 0.0439874    total: 26.2s  remaining: 12.9s
671: learn: 0.0439278    total: 26.3s  remaining: 12.8s
672: learn: 0.0438561    total: 26.3s  remaining: 12.8s
673: learn: 0.0438481    total: 26.4s  remaining: 12.8s
674: learn: 0.0437911    total: 26.5s  remaining: 12.8s
675: learn: 0.0437338    total: 26.6s  remaining: 12.7s
676: learn: 0.0436869    total: 26.7s  remaining: 12.7s
677: learn: 0.0436526    total: 26.7s  remaining: 12.7s
678: learn: 0.0435481    total: 26.7s  remaining: 12.6s
679: learn: 0.0435066    total: 26.8s  remaining: 12.6s
680: learn: 0.0434462    total: 26.9s  remaining: 12.6s
681: learn: 0.0433720    total: 26.9s  remaining: 12.5s
682: learn: 0.0433303    total: 27s   remaining: 12.5s
683: learn: 0.0432703    total: 27s   remaining: 12.5s
684: learn: 0.0431958    total: 27.1s  remaining: 12.4s
685: learn: 0.0431475    total: 27.1s  remaining: 12.4s
686: learn: 0.0430639    total: 27.1s  remaining: 12.3s
687: learn: 0.0430010    total: 27.1s  remaining: 12.3s
688: learn: 0.0429423    total: 27.1s  remaining: 12.3s
689: learn: 0.0429025    total: 27.2s  remaining: 12.2s
690: learn: 0.0428723    total: 27.2s  remaining: 12.2s
691: learn: 0.0427866    total: 27.2s  remaining: 12.1s
692: learn: 0.0427500    total: 27.3s  remaining: 12.1s
693: learn: 0.0426349    total: 27.3s  remaining: 12s
694: learn: 0.0425899    total: 27.3s  remaining: 12s
695: learn: 0.0425167    total: 27.4s  remaining: 11.9s
696: learn: 0.0424395    total: 27.4s  remaining: 11.9s
697: learn: 0.0424179    total: 27.4s  remaining: 11.9s
698: learn: 0.0423815    total: 27.6s  remaining: 11.9s
699: learn: 0.0423707    total: 27.7s  remaining: 11.9s
700: learn: 0.0423303    total: 27.8s  remaining: 11.9s
701: learn: 0.0422838    total: 27.9s  remaining: 11.8s
702: learn: 0.0422579    total: 27.9s  remaining: 11.8s
703: learn: 0.0421983    total: 28s   remaining: 11.8s
704: learn: 0.0421260    total: 28s   remaining: 11.7s
705: learn: 0.0420762    total: 28.1s  remaining: 11.7s
706: learn: 0.0420558    total: 28.1s  remaining: 11.6s
707: learn: 0.0419568    total: 28.1s  remaining: 11.6s
708: learn: 0.0419066    total: 28.1s  remaining: 11.6s
709: learn: 0.0418331    total: 28.2s  remaining: 11.5s
710: learn: 0.0417618    total: 28.2s  remaining: 11.5s
711: learn: 0.0417285    total: 28.2s  remaining: 11.4s
712: learn: 0.0416810    total: 28.2s  remaining: 11.4s
713: learn: 0.0416207    total: 28.3s  remaining: 11.3s
714: learn: 0.0415867    total: 28.3s  remaining: 11.3s
715: learn: 0.0415541    total: 28.4s  remaining: 11.3s

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716:	learn: 0.0414762	total: 28.4s	remaining: 11.2s
717:	learn: 0.0414219	total: 28.5s	remaining: 11.2s
718:	learn: 0.0413575	total: 28.5s	remaining: 11.1s
719:	learn: 0.0412914	total: 28.5s	remaining: 11.1s
720:	learn: 0.0412136	total: 28.6s	remaining: 11.1s
721:	learn: 0.0411277	total: 28.6s	remaining: 11s
722:	learn: 0.0411030	total: 28.6s	remaining: 11s
723:	learn: 0.0410443	total: 28.7s	remaining: 10.9s
724:	learn: 0.0409794	total: 28.7s	remaining: 10.9s
725:	learn: 0.0409306	total: 28.7s	remaining: 10.8s
726:	learn: 0.0408141	total: 28.8s	remaining: 10.8s
727:	learn: 0.0407479	total: 28.8s	remaining: 10.8s
728:	learn: 0.0406735	total: 28.9s	remaining: 10.7s
729:	learn: 0.0405876	total: 28.9s	remaining: 10.7s
730:	learn: 0.0405611	total: 28.9s	remaining: 10.6s
731:	learn: 0.0404974	total: 29s	remaining: 10.6s
732:	learn: 0.0404339	total: 29s	remaining: 10.6s
733:	learn: 0.0404287	total: 29s	remaining: 10.5s
734:	learn: 0.0403529	total: 29s	remaining: 10.5s
735:	learn: 0.0403333	total: 29.1s	remaining: 10.4s
736:	learn: 0.0402950	total: 29.1s	remaining: 10.4s
737:	learn: 0.0402645	total: 29.2s	remaining: 10.4s
738:	learn: 0.0402247	total: 29.2s	remaining: 10.3s
739:	learn: 0.0401602	total: 29.3s	remaining: 10.3s
740:	learn: 0.0401055	total: 29.4s	remaining: 10.3s
741:	learn: 0.0400480	total: 29.5s	remaining: 10.3s
742:	learn: 0.0399976	total: 29.6s	remaining: 10.2s
743:	learn: 0.0399104	total: 29.7s	remaining: 10.2s
744:	learn: 0.0398310	total: 29.7s	remaining: 10.2s
591:	learn: 0.0487953	total: 23s	remaining: 15.8s
592:	learn: 0.0487241	total: 23s	remaining: 15.8s
593:	learn: 0.0487124	total: 23.2s	remaining: 15.9s
594:	learn: 0.0486183	total: 23.3s	remaining: 15.8s
595:	learn: 0.0485795	total: 23.3s	remaining: 15.8s
596:	learn: 0.0485550	total: 23.4s	remaining: 15.8s
597:	learn: 0.0484909	total: 23.4s	remaining: 15.7s
598:	learn: 0.0483715	total: 23.4s	remaining: 15.7s
599:	learn: 0.0482784	total: 23.5s	remaining: 15.6s
600:	learn: 0.0481837	total: 23.5s	remaining: 15.6s
601:	learn: 0.0480806	total: 23.5s	remaining: 15.6s
602:	learn: 0.0480682	total: 23.6s	remaining: 15.5s
603:	learn: 0.0479592	total: 23.6s	remaining: 15.5s
604:	learn: 0.0478704	total: 23.7s	remaining: 15.5s
605:	learn: 0.0478620	total: 23.8s	remaining: 15.5s
606:	learn: 0.0477812	total: 23.8s	remaining: 15.4s
607:	learn: 0.0477024	total: 23.8s	remaining: 15.4s
608:	learn: 0.0476327	total: 23.9s	remaining: 15.3s
609:	learn: 0.0475795	total: 23.9s	remaining: 15.3s
610:	learn: 0.0474647	total: 24s	remaining: 15.3s
611:	learn: 0.0473233	total: 24s	remaining: 15.2s
612:	learn: 0.0472926	total: 24s	remaining: 15.2s
613:	learn: 0.0472226	total: 24.1s	remaining: 15.1s
614:	learn: 0.0471351	total: 24.2s	remaining: 15.1s
615:	learn: 0.0470635	total: 24.2s	remaining: 15.1s
616:	learn: 0.0470476	total: 24.2s	remaining: 15s
617:	learn: 0.0469594	total: 24.3s	remaining: 15s
618:	learn: 0.0469010	total: 24.3s	remaining: 15s
619:	learn: 0.0467940	total: 24.4s	remaining: 15s
620:	learn: 0.0467377	total: 24.5s	remaining: 14.9s
621:	learn: 0.0466359	total: 24.5s	remaining: 14.9s
622:	learn: 0.0465695	total: 24.6s	remaining: 14.9s
623:	learn: 0.0465098	total: 24.6s	remaining: 14.8s
624:	learn: 0.0464190	total: 24.6s	remaining: 14.8s
625:	learn: 0.0463472	total: 24.7s	remaining: 14.8s

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626: learn: 0.0462897    total: 24.8s  remaining: 14.8s
627: learn: 0.0462480    total: 24.8s  remaining: 14.7s
628: learn: 0.0461332    total: 24.9s  remaining: 14.7s
629: learn: 0.0460852    total: 24.9s  remaining: 14.6s
630: learn: 0.0459990    total: 24.9s  remaining: 14.6s
631: learn: 0.0459079    total: 25s    remaining: 14.6s
632: learn: 0.0458581    total: 25.1s  remaining: 14.6s
633: learn: 0.0457766    total: 25.2s  remaining: 14.5s
634: learn: 0.0457360    total: 25.2s  remaining: 14.5s
635: learn: 0.0457249    total: 25.2s  remaining: 14.4s
636: learn: 0.0456491    total: 25.3s  remaining: 14.4s
637: learn: 0.0455420    total: 25.3s  remaining: 14.4s
638: learn: 0.0455160    total: 25.4s  remaining: 14.3s
639: learn: 0.0454470    total: 25.4s  remaining: 14.3s
640: learn: 0.0453592    total: 25.5s  remaining: 14.3s
641: learn: 0.0453516    total: 25.6s  remaining: 14.3s
642: learn: 0.0452479    total: 25.6s  remaining: 14.2s
643: learn: 0.0451571    total: 25.7s  remaining: 14.2s
644: learn: 0.0451462    total: 25.7s  remaining: 14.2s
645: learn: 0.0450513    total: 25.8s  remaining: 14.1s
646: learn: 0.0450442    total: 25.8s  remaining: 14.1s
647: learn: 0.0449743    total: 25.9s  remaining: 14.1s
648: learn: 0.0449045    total: 25.9s  remaining: 14s
649: learn: 0.0448453    total: 25.9s  remaining: 14s
650: learn: 0.0447618    total: 26s    remaining: 13.9s
651: learn: 0.0446901    total: 26.1s  remaining: 13.9s
652: learn: 0.0446076    total: 26.2s  remaining: 13.9s
653: learn: 0.0445657    total: 26.3s  remaining: 13.9s
654: learn: 0.0445373    total: 26.4s  remaining: 13.9s
655: learn: 0.0445167    total: 26.4s  remaining: 13.9s
656: learn: 0.0444209    total: 26.4s  remaining: 13.8s
657: learn: 0.0443846    total: 26.5s  remaining: 13.8s
658: learn: 0.0443172    total: 26.5s  remaining: 13.7s
659: learn: 0.0442195    total: 26.5s  remaining: 13.7s
660: learn: 0.0441483    total: 26.6s  remaining: 13.6s
661: learn: 0.0440950    total: 26.6s  remaining: 13.6s
662: learn: 0.0440103    total: 26.7s  remaining: 13.6s
663: learn: 0.0439940    total: 26.7s  remaining: 13.5s
664: learn: 0.0438950    total: 26.7s  remaining: 13.5s
665: learn: 0.0438165    total: 26.8s  remaining: 13.4s
666: learn: 0.0437327    total: 26.9s  remaining: 13.4s
667: learn: 0.0436941    total: 26.9s  remaining: 13.4s
668: learn: 0.0436859    total: 27s    remaining: 13.3s
669: learn: 0.0436809    total: 27.1s  remaining: 13.3s
670: learn: 0.0435988    total: 27.1s  remaining: 13.3s
671: learn: 0.0435301    total: 27.1s  remaining: 13.2s
672: learn: 0.0434262    total: 27.2s  remaining: 13.2s
673: learn: 0.0433409    total: 27.4s  remaining: 13.2s
674: learn: 0.0432920    total: 27.4s  remaining: 13.2s
675: learn: 0.0432194    total: 27.4s  remaining: 13.2s
676: learn: 0.0431146    total: 27.5s  remaining: 13.1s
677: learn: 0.0430266    total: 27.5s  remaining: 13.1s
678: learn: 0.0429680    total: 27.6s  remaining: 13.1s
679: learn: 0.0429018    total: 27.6s  remaining: 13s
680: learn: 0.0428209    total: 27.7s  remaining: 13s
681: learn: 0.0428161    total: 27.7s  remaining: 12.9s
682: learn: 0.0427623    total: 27.8s  remaining: 12.9s
683: learn: 0.0426870    total: 27.8s  remaining: 12.8s
684: learn: 0.0426191    total: 27.9s  remaining: 12.8s
685: learn: 0.0425748    total: 27.9s  remaining: 12.8s
686: learn: 0.0425075    total: 28s    remaining: 12.8s
687: learn: 0.0424281    total: 28.2s  remaining: 12.8s
688: learn: 0.0423553    total: 28.2s  remaining: 12.7s
689: learn: 0.0422861    total: 28.3s  remaining: 12.7s

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690: learn: 0.0422685      total: 28.4s  remaining: 12.7s
691: learn: 0.0422019      total: 28.5s  remaining: 12.7s
692: learn: 0.0421541      total: 28.5s  remaining: 12.6s
693: learn: 0.0421052      total: 28.6s  remaining: 12.6s
694: learn: 0.0420313      total: 28.6s  remaining: 12.6s
695: learn: 0.0419669      total: 28.7s  remaining: 12.5s
696: learn: 0.0419104      total: 28.7s  remaining: 12.5s
697: learn: 0.0418548      total: 28.8s  remaining: 12.5s
698: learn: 0.0417808      total: 28.9s  remaining: 12.5s
699: learn: 0.0417315      total: 29s    remaining: 12.4s
700: learn: 0.0417277      total: 29s    remaining: 12.4s
701: learn: 0.0416866      total: 29s    remaining: 12.3s
702: learn: 0.0416366      total: 29.1s  remaining: 12.3s
703: learn: 0.0415465      total: 29.1s  remaining: 12.2s
704: learn: 0.0414726      total: 29.2s  remaining: 12.2s
705: learn: 0.0414078      total: 29.2s  remaining: 12.2s
706: learn: 0.0413184      total: 29.2s  remaining: 12.1s
707: learn: 0.0412627      total: 29.2s  remaining: 12.1s
708: learn: 0.0411997      total: 29.3s  remaining: 12s
709: learn: 0.0411631      total: 29.3s  remaining: 12s
710: learn: 0.0411506      total: 29.4s  remaining: 11.9s
711: learn: 0.0410822      total: 29.4s  remaining: 11.9s
712: learn: 0.0410282      total: 29.5s  remaining: 11.9s
713: learn: 0.0409655      total: 29.6s  remaining: 11.8s
714: learn: 0.0408962      total: 29.6s  remaining: 11.8s
715: learn: 0.0408378      total: 29.6s  remaining: 11.7s
716: learn: 0.0407937      total: 29.6s  remaining: 11.7s
717: learn: 0.0407795      total: 29.7s  remaining: 11.7s
718: learn: 0.0407378      total: 29.8s  remaining: 11.6s
719: learn: 0.0406914      total: 29.8s  remaining: 11.6s
720: learn: 0.0406288      total: 29.8s  remaining: 11.5s
721: learn: 0.0405775      total: 29.9s  remaining: 11.5s
722: learn: 0.0404943      total: 29.9s  remaining: 11.5s
723: learn: 0.0404629      total: 30.2s  remaining: 11.5s
724: learn: 0.0403824      total: 30.2s  remaining: 11.5s
725: learn: 0.0403354      total: 30.4s  remaining: 11.5s
726: learn: 0.0402857      total: 30.4s  remaining: 11.4s
727: learn: 0.0402208      total: 30.5s  remaining: 11.4s
728: learn: 0.0401613      total: 30.5s  remaining: 11.3s
729: learn: 0.0401066      total: 30.5s  remaining: 11.3s
730: learn: 0.0400546      total: 30.7s  remaining: 11.3s
731: learn: 0.0400441      total: 30.8s  remaining: 11.3s
732: learn: 0.0399824      total: 30.8s  remaining: 11.2s
733: learn: 0.0399078      total: 30.9s  remaining: 11.2s
734: learn: 0.0398559      total: 30.9s  remaining: 11.1s
735: learn: 0.0398064      total: 30.9s  remaining: 11.1s
736: learn: 0.0397529      total: 31s    remaining: 11.1s
737: learn: 0.0397065      total: 31s    remaining: 11s
738: learn: 0.0396408      total: 31s    remaining: 11s
739: learn: 0.0395898      total: 31.4s  remaining: 11s
740: learn: 0.0395484      total: 31.4s  remaining: 11s
741: learn: 0.0394821      total: 31.4s  remaining: 10.9s
742: learn: 0.0394585      total: 31.5s  remaining: 10.9s
743: learn: 0.0394027      total: 31.5s  remaining: 10.8s
744: learn: 0.0393451      total: 31.6s  remaining: 10.8s
745: learn: 0.0392835      total: 31.6s  remaining: 10.8s
746: learn: 0.0392798      total: 31.7s  remaining: 10.7s
747: learn: 0.0392143      total: 31.8s  remaining: 10.7s
748: learn: 0.0391649      total: 31.8s  remaining: 10.7s
749: learn: 0.0418427      total: 29.4s  remaining: 9.81s
750: learn: 0.0418103      total: 29.5s  remaining: 9.77s
751: learn: 0.0417430      total: 29.5s  remaining: 9.74s
752: learn: 0.0417186      total: 29.6s  remaining: 9.7s
753: learn: 0.0416740      total: 29.6s  remaining: 9.66s

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754: learn: 0.0415872      total: 29.7s  remaining: 9.62s
755: learn: 0.0415402      total: 29.7s  remaining: 9.59s
756: learn: 0.0414830      total: 29.8s  remaining: 9.55s
757: learn: 0.0413975      total: 29.8s  remaining: 9.51s
758: learn: 0.0413258      total: 29.9s  remaining: 9.48s
759: learn: 0.0412663      total: 29.9s  remaining: 9.44s
760: learn: 0.0411916      total: 29.9s  remaining: 9.41s
761: learn: 0.0411864      total: 30s    remaining: 9.37s
762: learn: 0.0411376      total: 30s    remaining: 9.32s
763: learn: 0.0411317      total: 30.1s  remaining: 9.29s
764: learn: 0.0411288      total: 30.1s  remaining: 9.25s
765: learn: 0.0411182      total: 30.1s  remaining: 9.2s
766: learn: 0.0411155      total: 30.2s  remaining: 9.16s
767: learn: 0.0410820      total: 30.2s  remaining: 9.11s
768: learn: 0.0410683      total: 30.2s  remaining: 9.08s
769: learn: 0.0410121      total: 30.3s  remaining: 9.04s
770: learn: 0.0409738      total: 30.3s  remaining: 8.99s
771: learn: 0.0409302      total: 30.3s  remaining: 8.96s
772: learn: 0.0408906      total: 30.4s  remaining: 8.93s
773: learn: 0.0408467      total: 30.5s  remaining: 8.89s
774: learn: 0.0407771      total: 30.5s  remaining: 8.86s
775: learn: 0.0407459      total: 30.6s  remaining: 8.84s
776: learn: 0.0407292      total: 30.7s  remaining: 8.8s
777: learn: 0.0406376      total: 30.7s  remaining: 8.76s
778: learn: 0.0406102      total: 30.8s  remaining: 8.74s
779: learn: 0.0405212      total: 30.8s  remaining: 8.7s
780: learn: 0.0404332      total: 30.9s  remaining: 8.65s
781: learn: 0.0403893      total: 31s    remaining: 8.63s
782: learn: 0.0403166      total: 31s    remaining: 8.6s
783: learn: 0.0402719      total: 31.1s  remaining: 8.55s
784: learn: 0.0402040      total: 31.1s  remaining: 8.52s
785: learn: 0.0401126      total: 31.2s  remaining: 8.49s
786: learn: 0.0400438      total: 31.3s  remaining: 8.46s
787: learn: 0.0400200      total: 31.3s  remaining: 8.42s
788: learn: 0.0399796      total: 31.4s  remaining: 8.39s
789: learn: 0.0399334      total: 31.4s  remaining: 8.35s
790: learn: 0.0398942      total: 31.4s  remaining: 8.3s
791: learn: 0.0397980      total: 31.5s  remaining: 8.27s
792: learn: 0.0397768      total: 31.5s  remaining: 8.23s
793: learn: 0.0397157      total: 31.6s  remaining: 8.19s
794: learn: 0.0396963      total: 31.6s  remaining: 8.15s
795: learn: 0.0396384      total: 31.8s  remaining: 8.14s
796: learn: 0.0395734      total: 31.8s  remaining: 8.11s
797: learn: 0.0394794      total: 31.9s  remaining: 8.08s
798: learn: 0.0394771      total: 32s    remaining: 8.06s
799: learn: 0.0394603      total: 32.1s  remaining: 8.02s
800: learn: 0.0394373      total: 32.2s  remaining: 7.99s
801: learn: 0.0393868      total: 32.2s  remaining: 7.96s
802: learn: 0.0393532      total: 32.3s  remaining: 7.91s
803: learn: 0.0392450      total: 32.3s  remaining: 7.87s
804: learn: 0.0391736      total: 32.3s  remaining: 7.82s
805: learn: 0.0391328      total: 32.3s  remaining: 7.78s
806: learn: 0.0390607      total: 32.4s  remaining: 7.74s
807: learn: 0.0389942      total: 32.4s  remaining: 7.7s
808: learn: 0.0389331      total: 32.5s  remaining: 7.66s
809: learn: 0.0389021      total: 32.5s  remaining: 7.62s
810: learn: 0.0388648      total: 32.5s  remaining: 7.57s
811: learn: 0.0387898      total: 32.6s  remaining: 7.54s
812: learn: 0.0387239      total: 32.7s  remaining: 7.51s
813: learn: 0.0387138      total: 32.7s  remaining: 7.47s
814: learn: 0.0386767      total: 32.7s  remaining: 7.43s
815: learn: 0.0385962      total: 32.9s  remaining: 7.41s
816: learn: 0.0385794      total: 32.9s  remaining: 7.37s
817: learn: 0.0385387      total: 33s   remaining: 7.34s

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818: learn: 0.0384398    total: 33.1s  remaining: 7.32s
819: learn: 0.0384049    total: 33.2s  remaining: 7.29s
820: learn: 0.0383503    total: 33.3s  remaining: 7.26s
821: learn: 0.0383455    total: 33.3s  remaining: 7.21s
822: learn: 0.0383366    total: 33.4s  remaining: 7.18s
823: learn: 0.0382947    total: 33.4s  remaining: 7.14s
824: learn: 0.0382189    total: 33.5s  remaining: 7.11s
825: learn: 0.0381743    total: 33.6s  remaining: 7.07s
826: learn: 0.0381622    total: 33.6s  remaining: 7.03s
827: learn: 0.0381158    total: 33.7s  remaining: 6.99s
828: learn: 0.0380500    total: 33.8s  remaining: 6.97s
829: learn: 0.0379775    total: 33.8s  remaining: 6.93s
830: learn: 0.0379052    total: 33.9s  remaining: 6.89s
831: learn: 0.0378671    total: 33.9s  remaining: 6.85s
832: learn: 0.0378053    total: 34s    remaining: 6.82s
833: learn: 0.0377229    total: 34s    remaining: 6.78s
834: learn: 0.0376971    total: 34.1s  remaining: 6.74s
835: learn: 0.0376250    total: 34.1s  remaining: 6.69s
836: learn: 0.0375697    total: 34.2s  remaining: 6.65s
837: learn: 0.0375483    total: 34.2s  remaining: 6.61s
838: learn: 0.0375430    total: 34.2s  remaining: 6.56s
839: learn: 0.0374912    total: 34.2s  remaining: 6.51s
840: learn: 0.0374626    total: 34.2s  remaining: 6.47s
841: learn: 0.0374396    total: 34.3s  remaining: 6.43s
842: learn: 0.0373779    total: 34.3s  remaining: 6.39s
843: learn: 0.0373351    total: 34.3s  remaining: 6.35s
844: learn: 0.0373283    total: 34.4s  remaining: 6.31s
845: learn: 0.0373214    total: 34.4s  remaining: 6.27s
846: learn: 0.0372654    total: 34.4s  remaining: 6.22s
847: learn: 0.0372184    total: 34.5s  remaining: 6.18s
848: learn: 0.0371777    total: 34.5s  remaining: 6.13s
849: learn: 0.0371509    total: 34.5s  remaining: 6.09s
850: learn: 0.0371154    total: 34.5s  remaining: 6.05s
851: learn: 0.0370739    total: 34.6s  remaining: 6s
852: learn: 0.0369798    total: 34.7s  remaining: 5.99s
853: learn: 0.0369284    total: 34.8s  remaining: 5.95s
854: learn: 0.0368732    total: 34.9s  remaining: 5.92s
855: learn: 0.0368137    total: 34.9s  remaining: 5.88s
856: learn: 0.0367799    total: 34.9s  remaining: 5.83s
857: learn: 0.0367762    total: 35s    remaining: 5.79s
858: learn: 0.0367319    total: 35s    remaining: 5.74s
859: learn: 0.0366572    total: 35s    remaining: 5.7s
860: learn: 0.0366138    total: 35.1s  remaining: 5.66s
861: learn: 0.0365603    total: 35.1s  remaining: 5.62s
862: learn: 0.0365481    total: 35.2s  remaining: 5.59s
863: learn: 0.0364944    total: 35.3s  remaining: 5.55s
864: learn: 0.0364805    total: 35.3s  remaining: 5.51s
865: learn: 0.0364263    total: 35.4s  remaining: 5.48s
866: learn: 0.0363767    total: 35.5s  remaining: 5.44s
867: learn: 0.0363181    total: 35.5s  remaining: 5.4s
868: learn: 0.0362419    total: 35.6s  remaining: 5.37s
869: learn: 0.0362397    total: 35.7s  remaining: 5.33s
870: learn: 0.0361598    total: 35.7s  remaining: 5.29s
871: learn: 0.0361553    total: 35.8s  remaining: 5.25s
872: learn: 0.0360980    total: 35.8s  remaining: 5.21s
873: learn: 0.0360273    total: 35.9s  remaining: 5.17s
874: learn: 0.0359611    total: 36s    remaining: 5.14s
875: learn: 0.0359012    total: 36s    remaining: 5.1s
876: learn: 0.0358690    total: 36.1s  remaining: 5.06s
877: learn: 0.0358092    total: 36.2s  remaining: 5.02s
878: learn: 0.0357822    total: 36.2s  remaining: 4.98s
879: learn: 0.0357358    total: 36.3s  remaining: 4.94s
880: learn: 0.0357217    total: 36.3s  remaining: 4.9s
881: learn: 0.0356574    total: 36.3s  remaining: 4.86s

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882:	learn: 0.0356110	total: 36.4s	remaining: 4.82s
883:	learn: 0.0355978	total: 36.4s	remaining: 4.78s
884:	learn: 0.0355400	total: 36.4s	remaining: 4.73s
885:	learn: 0.0355079	total: 36.5s	remaining: 4.69s
886:	learn: 0.0355055	total: 36.6s	remaining: 4.66s
887:	learn: 0.0354819	total: 36.8s	remaining: 4.64s
888:	learn: 0.0354398	total: 36.8s	remaining: 4.59s
889:	learn: 0.0353791	total: 36.9s	remaining: 4.56s
890:	learn: 0.0353222	total: 36.9s	remaining: 4.51s
891:	learn: 0.0352774	total: 36.9s	remaining: 4.47s
892:	learn: 0.0352380	total: 37s	remaining: 4.43s
893:	learn: 0.0351839	total: 37s	remaining: 4.39s
894:	learn: 0.0351423	total: 37.2s	remaining: 4.36s
895:	learn: 0.0350973	total: 37.2s	remaining: 4.32s
896:	learn: 0.0350483	total: 37.3s	remaining: 4.28s
897:	learn: 0.0349942	total: 37.3s	remaining: 4.24s
898:	learn: 0.0349525	total: 37.4s	remaining: 4.2s
899:	learn: 0.0349068	total: 37.4s	remaining: 4.16s
900:	learn: 0.0348358	total: 37.5s	remaining: 4.12s
901:	learn: 0.0347825	total: 37.5s	remaining: 4.07s
902:	learn: 0.0347724	total: 37.6s	remaining: 4.04s
903:	learn: 0.0347403	total: 37.6s	remaining: 4s
904:	learn: 0.0347024	total: 37.7s	remaining: 3.96s
905:	learn: 0.0347001	total: 37.7s	remaining: 3.91s
906:	learn: 0.0346371	total: 37.8s	remaining: 3.87s
745:	learn: 0.0397633	total: 29.8s	remaining: 10.1s
746:	learn: 0.0397072	total: 29.9s	remaining: 10.1s
747:	learn: 0.0396484	total: 30s	remaining: 10.1s
748:	learn: 0.0395788	total: 30s	remaining: 10.1s
749:	learn: 0.0395686	total: 30s	remaining: 10s
750:	learn: 0.0395003	total: 30.1s	remaining: 9.99s
751:	learn: 0.0394570	total: 30.2s	remaining: 9.96s
752:	learn: 0.0393526	total: 30.3s	remaining: 9.94s
753:	learn: 0.0393191	total: 30.3s	remaining: 9.88s
754:	learn: 0.0392946	total: 30.4s	remaining: 9.85s
755:	learn: 0.0392447	total: 30.4s	remaining: 9.8s
756:	learn: 0.0391840	total: 30.4s	remaining: 9.77s
757:	learn: 0.0391769	total: 30.5s	remaining: 9.73s
758:	learn: 0.0391290	total: 30.5s	remaining: 9.68s
759:	learn: 0.0390156	total: 30.6s	remaining: 9.66s
760:	learn: 0.0389772	total: 30.6s	remaining: 9.61s
761:	learn: 0.0389200	total: 30.6s	remaining: 9.57s
762:	learn: 0.0388862	total: 30.7s	remaining: 9.53s
763:	learn: 0.0388142	total: 30.8s	remaining: 9.5s
764:	learn: 0.0387850	total: 30.9s	remaining: 9.48s
765:	learn: 0.0387543	total: 30.9s	remaining: 9.44s
766:	learn: 0.0387129	total: 31s	remaining: 9.4s
767:	learn: 0.0386473	total: 31s	remaining: 9.37s
768:	learn: 0.0386167	total: 31.1s	remaining: 9.34s
769:	learn: 0.0385375	total: 31.2s	remaining: 9.31s
770:	learn: 0.0384996	total: 31.2s	remaining: 9.27s
771:	learn: 0.0384193	total: 31.2s	remaining: 9.22s
772:	learn: 0.0383628	total: 31.3s	remaining: 9.19s
773:	learn: 0.0382907	total: 31.3s	remaining: 9.15s
774:	learn: 0.0382197	total: 31.4s	remaining: 9.11s
775:	learn: 0.0381548	total: 31.5s	remaining: 9.08s
776:	learn: 0.0381002	total: 31.5s	remaining: 9.05s
777:	learn: 0.0380568	total: 31.6s	remaining: 9.02s
778:	learn: 0.0380074	total: 31.7s	remaining: 8.98s
779:	learn: 0.0379880	total: 31.8s	remaining: 8.97s
780:	learn: 0.0379252	total: 31.8s	remaining: 8.93s
781:	learn: 0.0378568	total: 31.9s	remaining: 8.9s
782:	learn: 0.0378154	total: 32s	remaining: 8.88s
783:	learn: 0.0377637	total: 32.1s	remaining: 8.85s

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784: learn: 0.0376947    total: 32.2s  remaining: 8.81s
785: learn: 0.0376290    total: 32.2s  remaining: 8.77s
786: learn: 0.0375883    total: 32.2s  remaining: 8.72s
787: learn: 0.0375507    total: 32.3s  remaining: 8.7s
788: learn: 0.0374860    total: 32.3s  remaining: 8.65s
789: learn: 0.0374529    total: 32.4s  remaining: 8.6s
790: learn: 0.0374023    total: 32.4s  remaining: 8.57s
791: learn: 0.0373490    total: 32.5s  remaining: 8.54s
792: learn: 0.0372825    total: 32.6s  remaining: 8.5s
793: learn: 0.0372761    total: 32.6s  remaining: 8.46s
794: learn: 0.0372661    total: 32.6s  remaining: 8.41s
795: learn: 0.0372396    total: 32.6s  remaining: 8.36s
796: learn: 0.0371781    total: 32.7s  remaining: 8.32s
797: learn: 0.0371718    total: 32.7s  remaining: 8.28s
798: learn: 0.0370938    total: 32.9s  remaining: 8.27s
799: learn: 0.0370549    total: 32.9s  remaining: 8.23s
800: learn: 0.0370170    total: 32.9s  remaining: 8.18s
801: learn: 0.0369405    total: 33s   remaining: 8.14s
802: learn: 0.0368904    total: 33s   remaining: 8.09s
803: learn: 0.0368351    total: 33s   remaining: 8.04s
804: learn: 0.0367856    total: 33s   remaining: 7.99s
805: learn: 0.0367336    total: 33s   remaining: 7.95s
806: learn: 0.0366722    total: 33.2s  remaining: 7.94s
807: learn: 0.0366323    total: 33.2s  remaining: 7.89s
808: learn: 0.0365954    total: 33.2s  remaining: 7.85s
809: learn: 0.0365404    total: 33.2s  remaining: 7.8s
810: learn: 0.0364820    total: 33.3s  remaining: 7.75s
811: learn: 0.0364687    total: 33.3s  remaining: 7.71s
812: learn: 0.0364139    total: 33.3s  remaining: 7.67s
813: learn: 0.0363649    total: 33.4s  remaining: 7.63s
814: learn: 0.0363052    total: 33.4s  remaining: 7.58s
815: learn: 0.0362623    total: 33.5s  remaining: 7.55s
816: learn: 0.0361791    total: 33.5s  remaining: 7.5s
817: learn: 0.0361058    total: 33.5s  remaining: 7.45s
818: learn: 0.0360184    total: 33.6s  remaining: 7.43s
819: learn: 0.0359641    total: 33.7s  remaining: 7.39s
820: learn: 0.0359276    total: 33.7s  remaining: 7.34s
821: learn: 0.0358922    total: 33.7s  remaining: 7.3s
822: learn: 0.0358548    total: 33.8s  remaining: 7.26s
823: learn: 0.0358425    total: 33.8s  remaining: 7.23s
824: learn: 0.0357754    total: 33.9s  remaining: 7.19s
825: learn: 0.0357370    total: 33.9s  remaining: 7.15s
826: learn: 0.0357109    total: 34.1s  remaining: 7.12s
827: learn: 0.0356757    total: 34.1s  remaining: 7.08s
828: learn: 0.0356469    total: 34.2s  remaining: 7.05s
829: learn: 0.0355997    total: 34.2s  remaining: 7.01s
830: learn: 0.0355531    total: 34.3s  remaining: 6.97s
831: learn: 0.0355473    total: 34.3s  remaining: 6.93s
832: learn: 0.0354965    total: 34.4s  remaining: 6.89s
833: learn: 0.0354482    total: 34.4s  remaining: 6.84s
834: learn: 0.0353777    total: 34.5s  remaining: 6.81s
835: learn: 0.0353012    total: 34.6s  remaining: 6.79s
836: learn: 0.0352602    total: 34.6s  remaining: 6.75s
837: learn: 0.0352237    total: 34.8s  remaining: 6.72s
838: learn: 0.0351902    total: 34.9s  remaining: 6.7s
839: learn: 0.0351395    total: 35s   remaining: 6.66s
840: learn: 0.0350888    total: 35.1s  remaining: 6.63s
841: learn: 0.0350448    total: 35.1s  remaining: 6.59s
842: learn: 0.0349769    total: 35.2s  remaining: 6.56s
843: learn: 0.0349059    total: 35.3s  remaining: 6.53s
844: learn: 0.0348609    total: 35.4s  remaining: 6.49s
845: learn: 0.0348179    total: 35.6s  remaining: 6.48s
846: learn: 0.0347778    total: 35.7s  remaining: 6.45s
847: learn: 0.0347102    total: 35.8s  remaining: 6.41s

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848:	learn: 0.0346390	total: 35.9s	remaining: 6.38s
849:	learn: 0.0346159	total: 35.9s	remaining: 6.34s
850:	learn: 0.0345881	total: 36s	remaining: 6.3s
851:	learn: 0.0345841	total: 36.1s	remaining: 6.26s
852:	learn: 0.0345473	total: 36.1s	remaining: 6.23s
853:	learn: 0.0345285	total: 36.2s	remaining: 6.19s
854:	learn: 0.0344942	total: 36.2s	remaining: 6.14s
855:	learn: 0.0344687	total: 36.3s	remaining: 6.11s
856:	learn: 0.0344256	total: 36.4s	remaining: 6.07s
857:	learn: 0.0343723	total: 36.4s	remaining: 6.02s
858:	learn: 0.0343389	total: 36.4s	remaining: 5.98s
859:	learn: 0.0342727	total: 36.5s	remaining: 5.94s
860:	learn: 0.0342130	total: 36.6s	remaining: 5.91s
861:	learn: 0.0341961	total: 36.6s	remaining: 5.86s
862:	learn: 0.0341772	total: 36.6s	remaining: 5.81s
863:	learn: 0.0341720	total: 36.7s	remaining: 5.77s
864:	learn: 0.0341551	total: 36.8s	remaining: 5.74s
865:	learn: 0.0341382	total: 36.8s	remaining: 5.69s
866:	learn: 0.0340981	total: 36.9s	remaining: 5.65s
867:	learn: 0.0340549	total: 37s	remaining: 5.63s
868:	learn: 0.0340090	total: 37.1s	remaining: 5.58s
869:	learn: 0.0339828	total: 37.1s	remaining: 5.54s
870:	learn: 0.0339378	total: 37.1s	remaining: 5.5s
871:	learn: 0.0338914	total: 37.2s	remaining: 5.46s
872:	learn: 0.0338600	total: 37.3s	remaining: 5.42s
873:	learn: 0.0338562	total: 37.3s	remaining: 5.38s
874:	learn: 0.0338245	total: 37.4s	remaining: 5.34s
875:	learn: 0.0338128	total: 37.5s	remaining: 5.31s
876:	learn: 0.0337377	total: 37.6s	remaining: 5.27s
877:	learn: 0.0336785	total: 37.6s	remaining: 5.23s
878:	learn: 0.0336334	total: 37.7s	remaining: 5.18s
879:	learn: 0.0335623	total: 37.7s	remaining: 5.14s
880:	learn: 0.0335281	total: 37.7s	remaining: 5.1s
881:	learn: 0.0334768	total: 37.7s	remaining: 5.05s
882:	learn: 0.0334107	total: 37.8s	remaining: 5s
883:	learn: 0.0333796	total: 37.8s	remaining: 4.96s
884:	learn: 0.0333357	total: 37.8s	remaining: 4.92s
885:	learn: 0.0332933	total: 37.8s	remaining: 4.87s
886:	learn: 0.0332265	total: 37.9s	remaining: 4.82s
887:	learn: 0.0331902	total: 37.9s	remaining: 4.78s
888:	learn: 0.0331307	total: 37.9s	remaining: 4.74s
889:	learn: 0.0330993	total: 38s	remaining: 4.7s
890:	learn: 0.0330497	total: 38s	remaining: 4.65s
891:	learn: 0.0330262	total: 38s	remaining: 4.61s
892:	learn: 0.0329546	total: 38.1s	remaining: 4.56s
893:	learn: 0.0329298	total: 38.1s	remaining: 4.51s
894:	learn: 0.0329055	total: 38.1s	remaining: 4.47s
895:	learn: 0.0328995	total: 38.1s	remaining: 4.42s
896:	learn: 0.0328405	total: 38.2s	remaining: 4.38s
897:	learn: 0.0328201	total: 38.2s	remaining: 4.34s
898:	learn: 0.0327733	total: 38.3s	remaining: 4.3s
899:	learn: 0.0327470	total: 38.3s	remaining: 4.26s
900:	learn: 0.0326960	total: 38.4s	remaining: 4.22s
901:	learn: 0.0326399	total: 38.4s	remaining: 4.18s
902:	learn: 0.0326156	total: 38.5s	remaining: 4.13s
534:	learn: 0.0541549	total: 22s	remaining: 19.1s
535:	learn: 0.0541300	total: 22.1s	remaining: 19.1s
536:	learn: 0.0540550	total: 22.1s	remaining: 19.1s
537:	learn: 0.0539804	total: 22.2s	remaining: 19.1s
538:	learn: 0.0538066	total: 22.3s	remaining: 19.1s
539:	learn: 0.0537479	total: 22.3s	remaining: 19s
540:	learn: 0.0535983	total: 22.3s	remaining: 19s
541:	learn: 0.0535223	total: 22.4s	remaining: 18.9s
542:	learn: 0.0534361	total: 22.4s	remaining: 18.9s

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543: learn: 0.0533331   total: 22.4s   remaining: 18.8s
544: learn: 0.0532718   total: 22.5s   remaining: 18.8s
545: learn: 0.0531238   total: 22.6s   remaining: 18.8s
546: learn: 0.0530669   total: 22.6s   remaining: 18.7s
547: learn: 0.0530267   total: 22.6s   remaining: 18.7s
548: learn: 0.0529276   total: 22.7s   remaining: 18.6s
549: learn: 0.0528447   total: 22.7s   remaining: 18.6s
550: learn: 0.0528386   total: 22.8s   remaining: 18.5s
551: learn: 0.0527317   total: 22.8s   remaining: 18.5s
552: learn: 0.0526707   total: 22.8s   remaining: 18.4s
553: learn: 0.0526647   total: 22.8s   remaining: 18.4s
554: learn: 0.0526041   total: 22.9s   remaining: 18.3s
555: learn: 0.0525892   total: 23s     remaining: 18.3s
556: learn: 0.0523972   total: 23s     remaining: 18.3s
557: learn: 0.0522998   total: 23.1s   remaining: 18.3s
558: learn: 0.0522351   total: 23.2s   remaining: 18.3s
559: learn: 0.0521472   total: 23.2s   remaining: 18.2s
560: learn: 0.0520543   total: 23.2s   remaining: 18.2s
561: learn: 0.0519736   total: 23.2s   remaining: 18.1s
562: learn: 0.0518441   total: 23.3s   remaining: 18.1s
563: learn: 0.0517758   total: 23.3s   remaining: 18s
564: learn: 0.0517219   total: 23.3s   remaining: 18s
565: learn: 0.0516820   total: 23.4s   remaining: 18s
566: learn: 0.0515912   total: 23.5s   remaining: 17.9s
567: learn: 0.0515293   total: 23.5s   remaining: 17.9s
568: learn: 0.0514422   total: 23.6s   remaining: 17.8s
569: learn: 0.0513709   total: 23.7s   remaining: 17.8s
570: learn: 0.0513412   total: 23.8s   remaining: 17.8s
571: learn: 0.0512073   total: 23.8s   remaining: 17.8s
572: learn: 0.0511358   total: 23.9s   remaining: 17.8s
573: learn: 0.0510263   total: 24s     remaining: 17.8s
574: learn: 0.0508999   total: 24s     remaining: 17.7s
575: learn: 0.0508590   total: 24s     remaining: 17.7s
576: learn: 0.0507630   total: 24.1s   remaining: 17.7s
577: learn: 0.0506545   total: 24.1s   remaining: 17.6s
578: learn: 0.0506131   total: 24.2s   remaining: 17.6s
579: learn: 0.0505255   total: 24.3s   remaining: 17.6s
580: learn: 0.0505199   total: 24.4s   remaining: 17.6s
581: learn: 0.0504185   total: 24.4s   remaining: 17.6s
582: learn: 0.0503655   total: 24.5s   remaining: 17.5s
583: learn: 0.0503169   total: 24.5s   remaining: 17.5s
584: learn: 0.0502717   total: 24.6s   remaining: 17.5s
585: learn: 0.0502028   total: 24.7s   remaining: 17.5s
586: learn: 0.0501199   total: 24.8s   remaining: 17.5s
587: learn: 0.0499995   total: 25s     remaining: 17.5s
588: learn: 0.0498696   total: 25.1s   remaining: 17.5s
589: learn: 0.0497800   total: 25.2s   remaining: 17.5s
590: learn: 0.0496867   total: 25.3s   remaining: 17.5s
591: learn: 0.0496411   total: 25.3s   remaining: 17.5s
592: learn: 0.0495563   total: 25.4s   remaining: 17.4s
593: learn: 0.0495061   total: 25.4s   remaining: 17.4s
594: learn: 0.0494334   total: 25.4s   remaining: 17.3s
595: learn: 0.0493387   total: 25.4s   remaining: 17.3s
596: learn: 0.0492834   total: 25.5s   remaining: 17.2s
597: learn: 0.0492288   total: 25.9s   remaining: 17.4s
598: learn: 0.0491620   total: 25.9s   remaining: 17.3s
599: learn: 0.0490541   total: 25.9s   remaining: 17.3s
600: learn: 0.0490152   total: 25.9s   remaining: 17.2s
601: learn: 0.0489313   total: 25.9s   remaining: 17.1s
602: learn: 0.0488771   total: 25.9s   remaining: 17.1s
603: learn: 0.0488089   total: 25.9s   remaining: 17s
604: learn: 0.0487488   total: 26s     remaining: 17s
605: learn: 0.0486772   total: 26s     remaining: 16.9s
606: learn: 0.0485895   total: 26s     remaining: 16.9s

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607: learn: 0.0485306    total: 26.1s  remaining: 16.8s
608: learn: 0.0484297    total: 26.1s  remaining: 16.7s
609: learn: 0.0484239    total: 26.1s  remaining: 16.7s
610: learn: 0.0483903    total: 26.2s  remaining: 16.7s
611: learn: 0.0483177    total: 26.2s  remaining: 16.6s
612: learn: 0.0482531    total: 26.2s  remaining: 16.5s
613: learn: 0.0482043    total: 26.2s  remaining: 16.5s
614: learn: 0.0481182    total: 26.2s  remaining: 16.4s
615: learn: 0.0480172    total: 26.3s  remaining: 16.4s
616: learn: 0.0480117    total: 26.3s  remaining: 16.3s
617: learn: 0.0479045    total: 26.4s  remaining: 16.3s
618: learn: 0.0478349    total: 26.5s  remaining: 16.3s
619: learn: 0.0477614    total: 26.6s  remaining: 16.3s
620: learn: 0.0477475    total: 26.6s  remaining: 16.2s
621: learn: 0.0476695    total: 26.6s  remaining: 16.2s
622: learn: 0.0476128    total: 26.7s  remaining: 16.1s
623: learn: 0.0475349    total: 26.7s  remaining: 16.1s
624: learn: 0.0474726    total: 26.7s  remaining: 16s
625: learn: 0.0473892    total: 26.7s  remaining: 16s
626: learn: 0.0472976    total: 26.8s  remaining: 15.9s
627: learn: 0.0472378    total: 26.8s  remaining: 15.9s
628: learn: 0.0472307    total: 26.9s  remaining: 15.8s
629: learn: 0.0471739    total: 26.9s  remaining: 15.8s
630: learn: 0.0470704    total: 26.9s  remaining: 15.8s
631: learn: 0.0470003    total: 27.1s  remaining: 15.8s
632: learn: 0.0469567    total: 27.1s  remaining: 15.7s
633: learn: 0.0468676    total: 27.1s  remaining: 15.7s
634: learn: 0.0468624    total: 27.3s  remaining: 15.7s
635: learn: 0.0468013    total: 27.3s  remaining: 15.6s
636: learn: 0.0467031    total: 27.3s  remaining: 15.6s
637: learn: 0.0465798    total: 27.4s  remaining: 15.5s
638: learn: 0.0465149    total: 27.4s  remaining: 15.5s
639: learn: 0.0464946    total: 27.5s  remaining: 15.4s
640: learn: 0.0464813    total: 27.5s  remaining: 15.4s
641: learn: 0.0463919    total: 27.5s  remaining: 15.4s
642: learn: 0.0463507    total: 27.7s  remaining: 15.4s
643: learn: 0.0462485    total: 27.8s  remaining: 15.4s
644: learn: 0.0462174    total: 27.9s  remaining: 15.4s
645: learn: 0.0461449    total: 28.1s  remaining: 15.4s
646: learn: 0.0461175    total: 28.1s  remaining: 15.3s
647: learn: 0.0460716    total: 28.1s  remaining: 15.3s
648: learn: 0.0460072    total: 28.2s  remaining: 15.3s
649: learn: 0.0459398    total: 28.5s  remaining: 15.4s
650: learn: 0.0458746    total: 28.6s  remaining: 15.3s
651: learn: 0.0458698    total: 28.7s  remaining: 15.3s
652: learn: 0.0458627    total: 28.9s  remaining: 15.4s
653: learn: 0.0458083    total: 29s   remaining: 15.3s
654: learn: 0.0457643    total: 29s   remaining: 15.3s
655: learn: 0.0457066    total: 29.2s  remaining: 15.3s
656: learn: 0.0456661    total: 29.4s  remaining: 15.3s
657: learn: 0.0456564    total: 29.5s  remaining: 15.3s
658: learn: 0.0455885    total: 29.5s  remaining: 15.3s
659: learn: 0.0455675    total: 29.6s  remaining: 15.3s
660: learn: 0.0455469    total: 29.8s  remaining: 15.3s
661: learn: 0.0454860    total: 30.1s  remaining: 15.4s
662: learn: 0.0454337    total: 30.1s  remaining: 15.3s
663: learn: 0.0453472    total: 30.1s  remaining: 15.2s
664: learn: 0.0452526    total: 30.2s  remaining: 15.2s
665: learn: 0.0452351    total: 30.2s  remaining: 15.2s
666: learn: 0.0451710    total: 30.3s  remaining: 15.1s
667: learn: 0.0450843    total: 30.4s  remaining: 15.1s
668: learn: 0.0450010    total: 30.4s  remaining: 15.1s
669: learn: 0.0449971    total: 30.4s  remaining: 15s
670: learn: 0.0449431    total: 30.4s  remaining: 14.9s

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671:	learn: 0.0449357	total: 30.5s	remaining: 14.9s
672:	learn: 0.0449321	total: 30.5s	remaining: 14.8s
673:	learn: 0.0448229	total: 30.5s	remaining: 14.8s
674:	learn: 0.0447819	total: 30.5s	remaining: 14.7s
675:	learn: 0.0447129	total: 30.6s	remaining: 14.7s
676:	learn: 0.0445934	total: 30.6s	remaining: 14.6s
677:	learn: 0.0445165	total: 30.7s	remaining: 14.6s
678:	learn: 0.0444767	total: 30.8s	remaining: 14.5s
679:	learn: 0.0444192	total: 30.8s	remaining: 14.5s
680:	learn: 0.0443230	total: 30.8s	remaining: 14.4s
681:	learn: 0.0443021	total: 30.8s	remaining: 14.4s
682:	learn: 0.0442055	total: 30.9s	remaining: 14.3s
683:	learn: 0.0441404	total: 31s	remaining: 14.3s
684:	learn: 0.0440721	total: 31s	remaining: 14.3s
685:	learn: 0.0439792	total: 31.1s	remaining: 14.2s
686:	learn: 0.0439028	total: 31.2s	remaining: 14.2s
687:	learn: 0.0438046	total: 31.2s	remaining: 14.2s
688:	learn: 0.0437990	total: 31.3s	remaining: 14.1s
689:	learn: 0.0437639	total: 31.3s	remaining: 14.1s
690:	learn: 0.0436814	total: 31.3s	remaining: 14s
691:	learn: 0.0436100	total: 31.3s	remaining: 14s
748:	learn: 0.0404773	total: 31.4s	remaining: 10.5s
749:	learn: 0.0404240	total: 31.5s	remaining: 10.5s
750:	learn: 0.0403491	total: 31.5s	remaining: 10.5s
751:	learn: 0.0402860	total: 31.6s	remaining: 10.4s
752:	learn: 0.0402312	total: 31.7s	remaining: 10.4s
753:	learn: 0.0402084	total: 31.7s	remaining: 10.3s
754:	learn: 0.0401397	total: 31.7s	remaining: 10.3s
755:	learn: 0.0400737	total: 31.8s	remaining: 10.3s
756:	learn: 0.0400607	total: 31.9s	remaining: 10.2s
757:	learn: 0.0400158	total: 31.9s	remaining: 10.2s
758:	learn: 0.0400090	total: 31.9s	remaining: 10.1s
759:	learn: 0.0399356	total: 32s	remaining: 10.1s
760:	learn: 0.0398543	total: 32s	remaining: 10.1s
761:	learn: 0.0398071	total: 32.1s	remaining: 10s
762:	learn: 0.0397040	total: 32.1s	remaining: 9.98s
763:	learn: 0.0396819	total: 32.2s	remaining: 9.95s
764:	learn: 0.0396152	total: 32.3s	remaining: 9.91s
765:	learn: 0.0396050	total: 32.3s	remaining: 9.87s
766:	learn: 0.0395954	total: 32.3s	remaining: 9.82s
767:	learn: 0.0395508	total: 32.3s	remaining: 9.77s
768:	learn: 0.0395306	total: 32.4s	remaining: 9.74s
769:	learn: 0.0394446	total: 32.5s	remaining: 9.71s
770:	learn: 0.0393732	total: 32.5s	remaining: 9.66s
771:	learn: 0.0393146	total: 32.6s	remaining: 9.62s
772:	learn: 0.0392437	total: 32.6s	remaining: 9.57s
773:	learn: 0.0392091	total: 32.6s	remaining: 9.53s
774:	learn: 0.0391930	total: 32.7s	remaining: 9.48s
775:	learn: 0.0391873	total: 32.7s	remaining: 9.44s
776:	learn: 0.0391273	total: 32.8s	remaining: 9.4s
777:	learn: 0.0390420	total: 32.8s	remaining: 9.36s
778:	learn: 0.0390261	total: 32.9s	remaining: 9.34s
779:	learn: 0.0390106	total: 33s	remaining: 9.31s
780:	learn: 0.0389446	total: 33s	remaining: 9.26s
781:	learn: 0.0388894	total: 33.1s	remaining: 9.23s
782:	learn: 0.0388858	total: 33.1s	remaining: 9.18s
783:	learn: 0.0388544	total: 33.1s	remaining: 9.13s
784:	learn: 0.0388004	total: 33.2s	remaining: 9.1s
785:	learn: 0.0387942	total: 33.4s	remaining: 9.08s
786:	learn: 0.0387768	total: 33.4s	remaining: 9.03s
787:	learn: 0.0387053	total: 33.5s	remaining: 9.01s
788:	learn: 0.0386992	total: 33.5s	remaining: 8.96s
789:	learn: 0.0386473	total: 33.6s	remaining: 8.94s
790:	learn: 0.0386064	total: 33.7s	remaining: 8.9s

791:	learn: 0.0385940	total: 33.7s	remaining: 8.86s
792:	learn: 0.0385171	total: 33.8s	remaining: 8.83s
793:	learn: 0.0384963	total: 33.9s	remaining: 8.8s
794:	learn: 0.0384313	total: 34s	remaining: 8.77s
795:	learn: 0.0383504	total: 34s	remaining: 8.71s
796:	learn: 0.0382837	total: 34.2s	remaining: 8.7s
797:	learn: 0.0382182	total: 34.2s	remaining: 8.66s
798:	learn: 0.0381774	total: 34.3s	remaining: 8.64s
799:	learn: 0.0380968	total: 34.4s	remaining: 8.6s
800:	learn: 0.0380501	total: 34.5s	remaining: 8.57s
801:	learn: 0.0379800	total: 34.5s	remaining: 8.52s
802:	learn: 0.0379078	total: 34.6s	remaining: 8.48s
803:	learn: 0.0378553	total: 34.6s	remaining: 8.43s
804:	learn: 0.0378032	total: 34.7s	remaining: 8.4s
805:	learn: 0.0377601	total: 34.7s	remaining: 8.35s
806:	learn: 0.0377529	total: 34.7s	remaining: 8.31s
807:	learn: 0.0377101	total: 34.8s	remaining: 8.27s
808:	learn: 0.0376487	total: 34.8s	remaining: 8.21s
809:	learn: 0.0375965	total: 34.9s	remaining: 8.18s
810:	learn: 0.0375585	total: 34.9s	remaining: 8.13s
811:	learn: 0.0375194	total: 34.9s	remaining: 8.09s
812:	learn: 0.0375129	total: 35s	remaining: 8.04s
813:	learn: 0.0374671	total: 35s	remaining: 8.01s
814:	learn: 0.0374131	total: 35s	remaining: 7.96s
815:	learn: 0.0373571	total: 35.1s	remaining: 7.91s
816:	learn: 0.0372990	total: 35.1s	remaining: 7.86s
817:	learn: 0.0372553	total: 35.2s	remaining: 7.84s
818:	learn: 0.0372068	total: 35.2s	remaining: 7.79s
819:	learn: 0.0371841	total: 35.3s	remaining: 7.74s
820:	learn: 0.0371054	total: 35.3s	remaining: 7.69s
821:	learn: 0.0370720	total: 35.3s	remaining: 7.65s
822:	learn: 0.0370088	total: 35.4s	remaining: 7.61s
823:	learn: 0.0369236	total: 35.4s	remaining: 7.57s
824:	learn: 0.0368698	total: 35.5s	remaining: 7.52s
825:	learn: 0.0368301	total: 35.5s	remaining: 7.47s
826:	learn: 0.0367925	total: 35.5s	remaining: 7.43s
827:	learn: 0.0367240	total: 35.6s	remaining: 7.4s
828:	learn: 0.0366532	total: 35.7s	remaining: 7.35s
829:	learn: 0.0366007	total: 35.7s	remaining: 7.32s
830:	learn: 0.0365379	total: 35.7s	remaining: 7.27s
831:	learn: 0.0364948	total: 35.8s	remaining: 7.22s
832:	learn: 0.0364441	total: 35.9s	remaining: 7.2s
833:	learn: 0.0363967	total: 36s	remaining: 7.17s
834:	learn: 0.0363546	total: 36.1s	remaining: 7.13s
835:	learn: 0.0363445	total: 36.2s	remaining: 7.1s
836:	learn: 0.0362776	total: 36.3s	remaining: 7.07s
837:	learn: 0.0362277	total: 36.4s	remaining: 7.03s
838:	learn: 0.0361439	total: 36.4s	remaining: 6.99s
839:	learn: 0.0360791	total: 36.5s	remaining: 6.95s
840:	learn: 0.0360450	total: 36.5s	remaining: 6.9s
841:	learn: 0.0359820	total: 36.5s	remaining: 6.86s
842:	learn: 0.0359233	total: 36.6s	remaining: 6.82s
843:	learn: 0.0358535	total: 36.7s	remaining: 6.78s
844:	learn: 0.0357941	total: 36.7s	remaining: 6.74s
845:	learn: 0.0357126	total: 36.8s	remaining: 6.7s
846:	learn: 0.0356733	total: 36.9s	remaining: 6.67s
847:	learn: 0.0356156	total: 37s	remaining: 6.63s
848:	learn: 0.0355632	total: 37s	remaining: 6.59s
849:	learn: 0.0355220	total: 37.1s	remaining: 6.55s
850:	learn: 0.0354741	total: 37.2s	remaining: 6.51s
851:	learn: 0.0354227	total: 37.3s	remaining: 6.48s
852:	learn: 0.0354109	total: 37.3s	remaining: 6.43s
853:	learn: 0.0353400	total: 37.5s	remaining: 6.4s
854:	learn: 0.0352922	total: 37.7s	remaining: 6.39s

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855: learn: 0.0352400    total: 37.7s  remaining: 6.34s
856: learn: 0.0351960    total: 37.8s  remaining: 6.3s
857: learn: 0.0351775    total: 37.8s  remaining: 6.26s
858: learn: 0.0351379    total: 37.9s  remaining: 6.22s
859: learn: 0.0350996    total: 38s    remaining: 6.18s
860: learn: 0.0350257    total: 38.1s  remaining: 6.15s
861: learn: 0.0350026    total: 38.1s  remaining: 6.1s
862: learn: 0.0349821    total: 38.2s  remaining: 6.07s
863: learn: 0.0349403    total: 38.3s  remaining: 6.03s
864: learn: 0.0348922    total: 38.4s  remaining: 6s
865: learn: 0.0348261    total: 38.6s  remaining: 5.97s
866: learn: 0.0347910    total: 38.6s  remaining: 5.92s
867: learn: 0.0347518    total: 38.7s  remaining: 5.89s
868: learn: 0.0347168    total: 38.8s  remaining: 5.85s
869: learn: 0.0346505    total: 38.8s  remaining: 5.8s
870: learn: 0.0345857    total: 38.8s  remaining: 5.75s
871: learn: 0.0345379    total: 38.9s  remaining: 5.71s
872: learn: 0.0344921    total: 38.9s  remaining: 5.66s
873: learn: 0.0344350    total: 39s    remaining: 5.62s
874: learn: 0.0344006    total: 39s    remaining: 5.57s
875: learn: 0.0343907    total: 39s    remaining: 5.52s
876: learn: 0.0343660    total: 39s    remaining: 5.47s
877: learn: 0.0343276    total: 39.1s  remaining: 5.44s
878: learn: 0.0342688    total: 39.2s  remaining: 5.39s
879: learn: 0.0342241    total: 39.3s  remaining: 5.36s
880: learn: 0.0341611    total: 39.3s  remaining: 5.31s
881: learn: 0.0341119    total: 39.4s  remaining: 5.28s
882: learn: 0.0340779    total: 39.5s  remaining: 5.24s
883: learn: 0.0340221    total: 39.6s  remaining: 5.19s
884: learn: 0.0340043    total: 39.6s  remaining: 5.15s
885: learn: 0.0339813    total: 39.6s  remaining: 5.1s
886: learn: 0.0339305    total: 39.7s  remaining: 5.06s
887: learn: 0.0339183    total: 39.7s  remaining: 5.01s
888: learn: 0.0338647    total: 39.8s  remaining: 4.96s
889: learn: 0.0338191    total: 39.9s  remaining: 4.93s
890: learn: 0.0337796    total: 39.9s  remaining: 4.88s
891: learn: 0.0337691    total: 39.9s  remaining: 4.84s
892: learn: 0.0337225    total: 40s    remaining: 4.8s
893: learn: 0.0336619    total: 40.1s  remaining: 4.76s
894: learn: 0.0336188    total: 40.2s  remaining: 4.72s
895: learn: 0.0335695    total: 40.3s  remaining: 4.67s
896: learn: 0.0335307    total: 40.3s  remaining: 4.63s
897: learn: 0.0334789    total: 40.4s  remaining: 4.58s
898: learn: 0.0334562    total: 40.4s  remaining: 4.54s
899: learn: 0.0333945    total: 40.5s  remaining: 4.5s
900: learn: 0.0333762    total: 40.6s  remaining: 4.46s
901: learn: 0.0333163    total: 40.6s  remaining: 4.41s
902: learn: 0.0332973    total: 40.6s  remaining: 4.37s
903: learn: 0.0332414    total: 40.7s  remaining: 4.32s
904: learn: 0.0331987    total: 40.7s  remaining: 4.27s
905: learn: 0.0331354    total: 40.7s  remaining: 4.22s
749: learn: 0.0391027    total: 31.8s  remaining: 10.6s
750: learn: 0.0390180    total: 32s    remaining: 10.6s
751: learn: 0.0389588    total: 32s    remaining: 10.6s
752: learn: 0.0389021    total: 32.1s  remaining: 10.5s
753: learn: 0.0388341    total: 32.1s  remaining: 10.5s
754: learn: 0.0387871    total: 32.1s  remaining: 10.4s
755: learn: 0.0386961    total: 32.2s  remaining: 10.4s
756: learn: 0.0386295    total: 32.2s  remaining: 10.3s
757: learn: 0.0385853    total: 32.3s  remaining: 10.3s
758: learn: 0.0385372    total: 32.3s  remaining: 10.3s
759: learn: 0.0384979    total: 32.3s  remaining: 10.2s
760: learn: 0.0384818    total: 32.6s  remaining: 10.2s
761: learn: 0.0384317    total: 32.6s  remaining: 10.2s

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762: learn: 0.0383863      total: 32.7s  remaining: 10.2s
763: learn: 0.0383332      total: 32.8s  remaining: 10.1s
764: learn: 0.0382837      total: 32.9s  remaining: 10.1s
765: learn: 0.0382523      total: 32.9s  remaining: 10.1s
766: learn: 0.0381870      total: 33s    remaining: 10s
767: learn: 0.0381295      total: 33s    remaining: 9.97s
768: learn: 0.0380724      total: 33.1s  remaining: 9.93s
769: learn: 0.0380298      total: 33.1s  remaining: 9.88s
770: learn: 0.0379810      total: 33.1s  remaining: 9.84s
771: learn: 0.0378830      total: 33.2s  remaining: 9.8s
772: learn: 0.0378700      total: 33.3s  remaining: 9.77s
773: learn: 0.0377968      total: 33.3s  remaining: 9.73s
774: learn: 0.0377555      total: 33.5s  remaining: 9.73s
775: learn: 0.0377402      total: 33.6s  remaining: 9.7s
776: learn: 0.0376956      total: 33.6s  remaining: 9.65s
777: learn: 0.0376272      total: 33.7s  remaining: 9.61s
778: learn: 0.0375716      total: 33.8s  remaining: 9.58s
779: learn: 0.0375138      total: 33.8s  remaining: 9.54s
780: learn: 0.0374669      total: 33.9s  remaining: 9.51s
781: learn: 0.0374282      total: 34s    remaining: 9.47s
782: learn: 0.0373792      total: 34.2s  remaining: 9.47s
783: learn: 0.0373352      total: 34.2s  remaining: 9.43s
784: learn: 0.0372718      total: 34.3s  remaining: 9.4s
785: learn: 0.0372100      total: 34.4s  remaining: 9.36s
786: learn: 0.0371787      total: 34.5s  remaining: 9.34s
787: learn: 0.0371600      total: 34.5s  remaining: 9.29s
788: learn: 0.0371028      total: 34.6s  remaining: 9.25s
789: learn: 0.0370455      total: 34.7s  remaining: 9.22s
790: learn: 0.0369790      total: 34.7s  remaining: 9.17s
791: learn: 0.0369452      total: 34.8s  remaining: 9.13s
792: learn: 0.0368878      total: 34.8s  remaining: 9.09s
793: learn: 0.0368619      total: 35s    remaining: 9.07s
794: learn: 0.0367800      total: 35.1s  remaining: 9.06s
795: learn: 0.0367203      total: 35.2s  remaining: 9.03s
796: learn: 0.0366845      total: 35.3s  remaining: 8.98s
797: learn: 0.0366466      total: 35.3s  remaining: 8.94s
798: learn: 0.0366221      total: 35.5s  remaining: 8.92s
799: learn: 0.0365454      total: 35.5s  remaining: 8.88s
800: learn: 0.0365087      total: 35.6s  remaining: 8.84s
801: learn: 0.0364698      total: 35.6s  remaining: 8.79s
802: learn: 0.0364087      total: 35.6s  remaining: 8.74s
803: learn: 0.0363561      total: 35.8s  remaining: 8.72s
804: learn: 0.0363049      total: 35.9s  remaining: 8.7s
805: learn: 0.0362655      total: 36.1s  remaining: 8.68s
806: learn: 0.0362286      total: 36.2s  remaining: 8.66s
807: learn: 0.0361789      total: 36.3s  remaining: 8.62s
808: learn: 0.0361427      total: 36.3s  remaining: 8.57s
809: learn: 0.0360766      total: 36.3s  remaining: 8.52s
810: learn: 0.0360365      total: 36.4s  remaining: 8.48s
811: learn: 0.0359847      total: 36.4s  remaining: 8.44s
812: learn: 0.0359398      total: 36.5s  remaining: 8.38s
813: learn: 0.0358952      total: 36.5s  remaining: 8.34s
814: learn: 0.0358718      total: 36.6s  remaining: 8.31s
815: learn: 0.0358235      total: 36.6s  remaining: 8.26s
816: learn: 0.0357592      total: 36.6s  remaining: 8.21s
817: learn: 0.0357045      total: 36.6s  remaining: 8.15s
818: learn: 0.0356173      total: 36.6s  remaining: 8.1s
819: learn: 0.0355461      total: 36.7s  remaining: 8.05s
820: learn: 0.0354923      total: 36.7s  remaining: 7.99s
821: learn: 0.0354541      total: 36.7s  remaining: 7.94s
822: learn: 0.0353882      total: 36.7s  remaining: 7.89s
823: learn: 0.0353150      total: 36.7s  remaining: 7.84s
824: learn: 0.0353005      total: 36.7s  remaining: 7.79s
825: learn: 0.0352708      total: 36.7s  remaining: 7.73s

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826: learn: 0.0352096    total: 36.7s  remaining: 7.68s
827: learn: 0.0351423    total: 36.7s  remaining: 7.63s
828: learn: 0.0351286    total: 36.7s  remaining: 7.58s
829: learn: 0.0350836    total: 36.7s  remaining: 7.52s
830: learn: 0.0350295    total: 36.7s  remaining: 7.47s
831: learn: 0.0349771    total: 36.7s  remaining: 7.42s
832: learn: 0.0349441    total: 36.8s  remaining: 7.37s
833: learn: 0.0349021    total: 36.8s  remaining: 7.32s
834: learn: 0.0348565    total: 36.8s  remaining: 7.26s
835: learn: 0.0347810    total: 36.8s  remaining: 7.22s
836: learn: 0.0347118    total: 36.8s  remaining: 7.17s
837: learn: 0.0346579    total: 36.8s  remaining: 7.12s
838: learn: 0.0345948    total: 36.9s  remaining: 7.08s
839: learn: 0.0345481    total: 36.9s  remaining: 7.03s
840: learn: 0.0344713    total: 37s    remaining: 6.99s
841: learn: 0.0343960    total: 37s    remaining: 6.94s
842: learn: 0.0343785    total: 37s    remaining: 6.9s
843: learn: 0.0343744    total: 37.1s  remaining: 6.85s
844: learn: 0.0343700    total: 37.1s  remaining: 6.81s
845: learn: 0.0343120    total: 37.2s  remaining: 6.76s
846: learn: 0.0342471    total: 37.2s  remaining: 6.72s
847: learn: 0.0341998    total: 37.2s  remaining: 6.67s
848: learn: 0.0341832    total: 37.2s  remaining: 6.62s
849: learn: 0.0341521    total: 37.3s  remaining: 6.57s
850: learn: 0.0341018    total: 37.3s  remaining: 6.53s
851: learn: 0.0340448    total: 37.3s  remaining: 6.48s
852: learn: 0.0340129    total: 37.3s  remaining: 6.43s
853: learn: 0.0339664    total: 37.4s  remaining: 6.39s
854: learn: 0.0339517    total: 37.4s  remaining: 6.35s
855: learn: 0.0339088    total: 37.4s  remaining: 6.3s
856: learn: 0.0338752    total: 37.5s  remaining: 6.25s
857: learn: 0.0338284    total: 37.5s  remaining: 6.21s
858: learn: 0.0337542    total: 37.5s  remaining: 6.16s
859: learn: 0.0337099    total: 37.6s  remaining: 6.12s
860: learn: 0.0336693    total: 37.6s  remaining: 6.07s
861: learn: 0.0336575    total: 37.6s  remaining: 6.02s
862: learn: 0.0336457    total: 37.7s  remaining: 5.99s
863: learn: 0.0336024    total: 37.7s  remaining: 5.94s
864: learn: 0.0335686    total: 37.8s  remaining: 5.9s
865: learn: 0.0335279    total: 37.8s  remaining: 5.85s
866: learn: 0.0334563    total: 37.9s  remaining: 5.81s
867: learn: 0.0334365    total: 37.9s  remaining: 5.77s
868: learn: 0.0333748    total: 38s    remaining: 5.72s
869: learn: 0.0333157    total: 38s    remaining: 5.68s
870: learn: 0.0332873    total: 38.1s  remaining: 5.64s
871: learn: 0.0332841    total: 38.3s  remaining: 5.63s
872: learn: 0.0332313    total: 38.4s  remaining: 5.59s
873: learn: 0.0331973    total: 38.6s  remaining: 5.56s
874: learn: 0.0331693    total: 38.6s  remaining: 5.52s
875: learn: 0.0331310    total: 38.8s  remaining: 5.49s
876: learn: 0.0331283    total: 38.9s  remaining: 5.46s
877: learn: 0.0330626    total: 39s    remaining: 5.42s
878: learn: 0.0330596    total: 39.1s  remaining: 5.39s
879: learn: 0.0330210    total: 39.2s  remaining: 5.35s
880: learn: 0.0329922    total: 39.3s  remaining: 5.31s
881: learn: 0.0329651    total: 39.4s  remaining: 5.27s
882: learn: 0.0329320    total: 39.5s  remaining: 5.23s
883: learn: 0.0328842    total: 39.5s  remaining: 5.18s
884: learn: 0.0328377    total: 39.6s  remaining: 5.14s
885: learn: 0.0327763    total: 39.6s  remaining: 5.1s
886: learn: 0.0327730    total: 39.7s  remaining: 5.05s
887: learn: 0.0327332    total: 39.8s  remaining: 5.01s
888: learn: 0.0326803    total: 39.8s  remaining: 4.97s
889: learn: 0.0326773    total: 39.9s  remaining: 4.93s

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890: learn: 0.0326498    total: 40s      remaining: 4.89s
891: learn: 0.0326076    total: 40s      remaining: 4.85s
892: learn: 0.0325731    total: 40.1s     remaining: 4.8s
893: learn: 0.0325534    total: 40.2s     remaining: 4.76s
894: learn: 0.0325362    total: 40.2s     remaining: 4.72s
895: learn: 0.0324877    total: 40.3s     remaining: 4.67s
896: learn: 0.0324421    total: 40.3s     remaining: 4.63s
897: learn: 0.0324116    total: 40.4s     remaining: 4.59s
898: learn: 0.0323704    total: 40.4s     remaining: 4.54s
899: learn: 0.0323507    total: 40.5s     remaining: 4.5s
900: learn: 0.0322979    total: 40.5s     remaining: 4.45s
901: learn: 0.0322403    total: 40.6s     remaining: 4.41s
902: learn: 0.0322377    total: 40.6s     remaining: 4.36s
903: learn: 0.0321848    total: 40.6s     remaining: 4.31s
904: learn: 0.0321120    total: 40.7s     remaining: 4.27s
905: learn: 0.0320633    total: 40.8s     remaining: 4.23s
906: learn: 0.0320165    total: 41s       remaining: 4.2s
692: learn: 0.0436064    total: 31.4s     remaining: 13.9s
693: learn: 0.0435490    total: 31.5s     remaining: 13.9s
694: learn: 0.0434889    total: 31.5s     remaining: 13.8s
695: learn: 0.0434370    total: 31.5s     remaining: 13.8s
696: learn: 0.0433562    total: 31.6s     remaining: 13.7s
697: learn: 0.0432455    total: 31.6s     remaining: 13.7s
698: learn: 0.0431781    total: 31.7s     remaining: 13.6s
699: learn: 0.0431068    total: 31.7s     remaining: 13.6s
700: learn: 0.0430520    total: 31.8s     remaining: 13.5s
701: learn: 0.0429684    total: 31.8s     remaining: 13.5s
702: learn: 0.0429203    total: 31.8s     remaining: 13.4s
703: learn: 0.0429168    total: 31.9s     remaining: 13.4s
704: learn: 0.0428728    total: 31.9s     remaining: 13.3s
705: learn: 0.0428396    total: 31.9s     remaining: 13.3s
706: learn: 0.0427686    total: 31.9s     remaining: 13.2s
707: learn: 0.0426907    total: 32s       remaining: 13.2s
708: learn: 0.0426315    total: 32s       remaining: 13.1s
709: learn: 0.0425616    total: 32.1s     remaining: 13.1s
710: learn: 0.0425258    total: 32.2s     remaining: 13.1s
711: learn: 0.0424380    total: 32.2s     remaining: 13s
712: learn: 0.0423796    total: 32.2s     remaining: 13s
713: learn: 0.0423154    total: 32.3s     remaining: 12.9s
714: learn: 0.0422458    total: 32.3s     remaining: 12.9s
715: learn: 0.0421849    total: 32.4s     remaining: 12.8s
716: learn: 0.0421811    total: 32.7s     remaining: 12.9s
717: learn: 0.0421197    total: 32.8s     remaining: 12.9s
718: learn: 0.0420654    total: 32.8s     remaining: 12.8s
719: learn: 0.0420104    total: 32.9s     remaining: 12.8s
720: learn: 0.0419329    total: 33s       remaining: 12.8s
721: learn: 0.0418697    total: 33s       remaining: 12.7s
722: learn: 0.0418104    total: 33.1s     remaining: 12.7s
723: learn: 0.0417427    total: 33.2s     remaining: 12.6s
724: learn: 0.0417085    total: 33.2s     remaining: 12.6s
725: learn: 0.0417049    total: 33.3s     remaining: 12.6s
726: learn: 0.0416493    total: 33.4s     remaining: 12.5s
727: learn: 0.0416134    total: 33.6s     remaining: 12.6s
728: learn: 0.0415535    total: 33.6s     remaining: 12.5s
729: learn: 0.0415022    total: 33.7s     remaining: 12.5s
730: learn: 0.0414960    total: 33.8s     remaining: 12.4s
731: learn: 0.0414464    total: 33.8s     remaining: 12.4s
732: learn: 0.0414191    total: 33.9s     remaining: 12.3s
733: learn: 0.0413194    total: 34s       remaining: 12.3s
734: learn: 0.0412506    total: 34s       remaining: 12.3s
735: learn: 0.0411692    total: 34.1s     remaining: 12.2s
736: learn: 0.0410903    total: 34.2s     remaining: 12.2s
737: learn: 0.0410543    total: 34.3s     remaining: 12.2s
738: learn: 0.0409884    total: 34.3s     remaining: 12.1s

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739: learn: 0.0409456    total: 34.4s  remaining: 12.1s
740: learn: 0.0409144    total: 34.4s  remaining: 12s
741: learn: 0.0408735    total: 34.4s  remaining: 12s
742: learn: 0.0408390    total: 34.7s  remaining: 12s
743: learn: 0.0407960    total: 34.8s  remaining: 12s
744: learn: 0.0407931    total: 34.9s  remaining: 11.9s
745: learn: 0.0407222    total: 34.9s  remaining: 11.9s
746: learn: 0.0406863    total: 34.9s  remaining: 11.8s
747: learn: 0.0406446    total: 34.9s  remaining: 11.8s
748: learn: 0.0405991    total: 34.9s  remaining: 11.7s
749: learn: 0.0405037    total: 35s    remaining: 11.7s
750: learn: 0.0404122    total: 35.1s  remaining: 11.6s
751: learn: 0.0403491    total: 35.2s  remaining: 11.6s
752: learn: 0.0402890    total: 35.4s  remaining: 11.6s
753: learn: 0.0401871    total: 35.4s  remaining: 11.6s
754: learn: 0.0401076    total: 35.4s  remaining: 11.5s
755: learn: 0.0400625    total: 35.6s  remaining: 11.5s
756: learn: 0.0400054    total: 35.6s  remaining: 11.4s
757: learn: 0.0399406    total: 35.7s  remaining: 11.4s
758: learn: 0.0399054    total: 35.7s  remaining: 11.3s
759: learn: 0.0398392    total: 35.8s  remaining: 11.3s
760: learn: 0.0397708    total: 35.9s  remaining: 11.3s
761: learn: 0.0397076    total: 36s    remaining: 11.2s
762: learn: 0.0396245    total: 36.1s  remaining: 11.2s
763: learn: 0.0395742    total: 36.1s  remaining: 11.2s
764: learn: 0.0395313    total: 36.2s  remaining: 11.1s
765: learn: 0.0394675    total: 36.4s  remaining: 11.1s
766: learn: 0.0394264    total: 36.5s  remaining: 11.1s
767: learn: 0.0394189    total: 36.5s  remaining: 11s
768: learn: 0.0393720    total: 36.5s  remaining: 11s
769: learn: 0.0393087    total: 36.6s  remaining: 10.9s
770: learn: 0.0392669    total: 36.7s  remaining: 10.9s
771: learn: 0.0391738    total: 36.8s  remaining: 10.9s
772: learn: 0.0391108    total: 36.9s  remaining: 10.8s
773: learn: 0.0390480    total: 37s    remaining: 10.8s
774: learn: 0.0390250    total: 37s    remaining: 10.8s
775: learn: 0.0389727    total: 37.2s  remaining: 10.7s
776: learn: 0.0389367    total: 37.2s  remaining: 10.7s
777: learn: 0.0388934    total: 37.2s  remaining: 10.6s
778: learn: 0.0388354    total: 37.3s  remaining: 10.6s
779: learn: 0.0388001    total: 37.3s  remaining: 10.5s
780: learn: 0.0387540    total: 37.4s  remaining: 10.5s
781: learn: 0.0387081    total: 37.5s  remaining: 10.5s
782: learn: 0.0386524    total: 37.6s  remaining: 10.4s
783: learn: 0.0386077    total: 37.6s  remaining: 10.4s
784: learn: 0.0385575    total: 37.7s  remaining: 10.3s
785: learn: 0.0384662    total: 37.8s  remaining: 10.3s
786: learn: 0.0383943    total: 37.9s  remaining: 10.2s
787: learn: 0.0383310    total: 38s    remaining: 10.2s
788: learn: 0.0382782    total: 38s    remaining: 10.2s
789: learn: 0.0382476    total: 38s    remaining: 10.1s
790: learn: 0.0381732    total: 38.1s  remaining: 10.1s
791: learn: 0.0381412    total: 38.2s  remaining: 10s
792: learn: 0.0380948    total: 38.2s  remaining: 9.97s
793: learn: 0.0380902    total: 38.3s  remaining: 9.93s
794: learn: 0.0380262    total: 38.3s  remaining: 9.87s
795: learn: 0.0379797    total: 38.3s  remaining: 9.82s
796: learn: 0.0378906    total: 38.3s  remaining: 9.76s
797: learn: 0.0378488    total: 38.3s  remaining: 9.71s
798: learn: 0.0378447    total: 38.4s  remaining: 9.65s
799: learn: 0.0378400    total: 38.4s  remaining: 9.6s
800: learn: 0.0377725    total: 38.4s  remaining: 9.54s
801: learn: 0.0377090    total: 38.5s  remaining: 9.49s
802: learn: 0.0376825    total: 38.5s  remaining: 9.44s

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803:	learn: 0.0376299	total: 38.5s	remaining: 9.39s
804:	learn: 0.0375681	total: 38.6s	remaining: 9.35s
805:	learn: 0.0375262	total: 38.6s	remaining: 9.3s
806:	learn: 0.0374741	total: 38.6s	remaining: 9.24s
807:	learn: 0.0374216	total: 38.7s	remaining: 9.19s
808:	learn: 0.0373835	total: 38.7s	remaining: 9.14s
809:	learn: 0.0373290	total: 38.8s	remaining: 9.11s
810:	learn: 0.0373244	total: 38.8s	remaining: 9.05s
811:	learn: 0.0372706	total: 38.9s	remaining: 9s
812:	learn: 0.0372174	total: 38.9s	remaining: 8.95s
813:	learn: 0.0371943	total: 38.9s	remaining: 8.89s
814:	learn: 0.0371703	total: 38.9s	remaining: 8.84s
815:	learn: 0.0371407	total: 38.9s	remaining: 8.78s
816:	learn: 0.0370566	total: 39s	remaining: 8.73s
817:	learn: 0.0370207	total: 39s	remaining: 8.67s
818:	learn: 0.0369967	total: 39s	remaining: 8.62s
819:	learn: 0.0369781	total: 39s	remaining: 8.56s
820:	learn: 0.0369124	total: 39s	remaining: 8.51s
821:	learn: 0.0368612	total: 39.1s	remaining: 8.46s
822:	learn: 0.0367979	total: 39.1s	remaining: 8.4s
823:	learn: 0.0367456	total: 39.1s	remaining: 8.35s
824:	learn: 0.0366588	total: 39.1s	remaining: 8.29s
825:	learn: 0.0366320	total: 39.1s	remaining: 8.24s
826:	learn: 0.0365985	total: 39.1s	remaining: 8.19s
827:	learn: 0.0365247	total: 39.2s	remaining: 8.14s
828:	learn: 0.0364647	total: 39.2s	remaining: 8.09s
829:	learn: 0.0363989	total: 39.3s	remaining: 8.04s
830:	learn: 0.0363644	total: 39.3s	remaining: 7.99s
831:	learn: 0.0363275	total: 39.3s	remaining: 7.93s
832:	learn: 0.0362842	total: 39.3s	remaining: 7.88s
833:	learn: 0.0362339	total: 39.3s	remaining: 7.82s
834:	learn: 0.0361965	total: 39.3s	remaining: 7.77s
835:	learn: 0.0361936	total: 39.3s	remaining: 7.71s
836:	learn: 0.0361333	total: 39.3s	remaining: 7.66s
837:	learn: 0.0360512	total: 39.3s	remaining: 7.6s
838:	learn: 0.0359917	total: 39.3s	remaining: 7.55s
839:	learn: 0.0359713	total: 39.4s	remaining: 7.5s
840:	learn: 0.0359534	total: 39.4s	remaining: 7.44s
841:	learn: 0.0359483	total: 39.4s	remaining: 7.39s
842:	learn: 0.0358857	total: 39.4s	remaining: 7.34s
843:	learn: 0.0358136	total: 39.4s	remaining: 7.28s
844:	learn: 0.0357796	total: 39.4s	remaining: 7.23s
845:	learn: 0.0357318	total: 39.4s	remaining: 7.18s
846:	learn: 0.0357061	total: 39.5s	remaining: 7.13s
847:	learn: 0.0356534	total: 39.5s	remaining: 7.08s
848:	learn: 0.0356007	total: 39.5s	remaining: 7.03s
849:	learn: 0.0355462	total: 39.5s	remaining: 6.98s
903:	learn: 0.0325733	total: 38.5s	remaining: 4.09s
904:	learn: 0.0325076	total: 38.5s	remaining: 4.04s
905:	learn: 0.0324655	total: 38.5s	remaining: 4s
906:	learn: 0.0324083	total: 38.5s	remaining: 3.95s
907:	learn: 0.0323510	total: 38.5s	remaining: 3.9s
908:	learn: 0.0323085	total: 38.6s	remaining: 3.86s
909:	learn: 0.0322917	total: 38.6s	remaining: 3.82s
910:	learn: 0.0322841	total: 38.6s	remaining: 3.77s
911:	learn: 0.0322308	total: 38.6s	remaining: 3.73s
912:	learn: 0.0321873	total: 38.7s	remaining: 3.68s
913:	learn: 0.0321599	total: 38.7s	remaining: 3.64s
914:	learn: 0.0321234	total: 38.7s	remaining: 3.59s
915:	learn: 0.0320841	total: 38.7s	remaining: 3.55s
916:	learn: 0.0320336	total: 38.7s	remaining: 3.5s
917:	learn: 0.0319812	total: 38.9s	remaining: 3.48s
918:	learn: 0.0319313	total: 39s	remaining: 3.44s
919:	learn: 0.0318659	total: 39.2s	remaining: 3.41s

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920: learn: 0.0318211    total: 39.2s  remaining: 3.36s
921: learn: 0.0318174    total: 39.3s  remaining: 3.32s
922: learn: 0.0317717    total: 39.3s  remaining: 3.28s
923: learn: 0.0317463    total: 39.3s  remaining: 3.23s
924: learn: 0.0317175    total: 39.4s  remaining: 3.19s
925: learn: 0.0316725    total: 39.4s  remaining: 3.15s
926: learn: 0.0316284    total: 39.4s  remaining: 3.1s
927: learn: 0.0315568    total: 39.5s  remaining: 3.06s
928: learn: 0.0315184    total: 39.5s  remaining: 3.02s
929: learn: 0.0314751    total: 39.5s  remaining: 2.97s
930: learn: 0.0314371    total: 39.5s  remaining: 2.92s
931: learn: 0.0313828    total: 39.5s  remaining: 2.88s
932: learn: 0.0313577    total: 39.5s  remaining: 2.83s
933: learn: 0.0313288    total: 39.5s  remaining: 2.79s
934: learn: 0.0312823    total: 39.5s  remaining: 2.75s
935: learn: 0.0312175    total: 39.5s  remaining: 2.7s
936: learn: 0.0311637    total: 39.5s  remaining: 2.66s
937: learn: 0.0311202    total: 39.5s  remaining: 2.61s
938: learn: 0.0310989    total: 39.6s  remaining: 2.57s
939: learn: 0.0310841    total: 39.6s  remaining: 2.52s
940: learn: 0.0310570    total: 39.6s  remaining: 2.48s
941: learn: 0.0310118    total: 39.6s  remaining: 2.44s
942: learn: 0.0309436    total: 39.8s  remaining: 2.4s
943: learn: 0.0309072    total: 39.8s  remaining: 2.36s
944: learn: 0.0308714    total: 39.9s  remaining: 2.32s
945: learn: 0.0307989    total: 40s   remaining: 2.28s
946: learn: 0.0307635    total: 40s   remaining: 2.24s
947: learn: 0.0307013    total: 40.1s  remaining: 2.2s
948: learn: 0.0306699    total: 40.3s  remaining: 2.16s
949: learn: 0.0306414    total: 40.4s  remaining: 2.12s
950: learn: 0.0306389    total: 40.4s  remaining: 2.08s
951: learn: 0.0306215    total: 40.4s  remaining: 2.04s
952: learn: 0.0305801    total: 40.5s  remaining: 2s
953: learn: 0.0305359    total: 40.5s  remaining: 1.96s
954: learn: 0.0305054    total: 40.6s  remaining: 1.91s
955: learn: 0.0304885    total: 40.7s  remaining: 1.87s
956: learn: 0.0304456    total: 40.7s  remaining: 1.83s
957: learn: 0.0304225    total: 40.8s  remaining: 1.79s
958: learn: 0.0303682    total: 40.8s  remaining: 1.74s
959: learn: 0.0303084    total: 40.9s  remaining: 1.7s
960: learn: 0.0302688    total: 40.9s  remaining: 1.66s
961: learn: 0.0302229    total: 40.9s  remaining: 1.62s
962: learn: 0.0302185    total: 41s   remaining: 1.57s
963: learn: 0.0301875    total: 41s   remaining: 1.53s
964: learn: 0.0301647    total: 41.1s  remaining: 1.49s
965: learn: 0.0301196    total: 41.1s  remaining: 1.45s
966: learn: 0.0301026    total: 41.1s  remaining: 1.4s
967: learn: 0.0300310    total: 41.2s  remaining: 1.36s
968: learn: 0.0299934    total: 41.3s  remaining: 1.32s
969: learn: 0.0299617    total: 41.4s  remaining: 1.28s
970: learn: 0.0299428    total: 41.4s  remaining: 1.24s
971: learn: 0.0299240    total: 41.5s  remaining: 1.2s
972: learn: 0.0298944    total: 41.6s  remaining: 1.15s
973: learn: 0.0298411    total: 41.7s  remaining: 1.11s
974: learn: 0.0298273    total: 41.8s  remaining: 1.07s
975: learn: 0.0298004    total: 41.8s  remaining: 1.03s
976: learn: 0.0297730    total: 41.8s  remaining: 985ms
977: learn: 0.0297475    total: 41.9s  remaining: 942ms
978: learn: 0.0296819    total: 42s   remaining: 900ms
979: learn: 0.0296546    total: 42s   remaining: 857ms
980: learn: 0.0296224    total: 42s   remaining: 813ms
981: learn: 0.0295644    total: 42.1s  remaining: 772ms
982: learn: 0.0295005    total: 42.3s  remaining: 731ms
983: learn: 0.0294573    total: 42.4s  remaining: 689ms

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		houses_kaggle_competition_refined
984:	learn: 0.0294134	total: 42.4s remaining: 646ms
985:	learn: 0.0293577	total: 42.5s remaining: 603ms
986:	learn: 0.0293193	total: 42.6s remaining: 561ms
987:	learn: 0.0292664	total: 42.8s remaining: 520ms
988:	learn: 0.0292120	total: 42.8s remaining: 476ms
989:	learn: 0.0292094	total: 42.9s remaining: 433ms
990:	learn: 0.0291737	total: 42.9s remaining: 390ms
991:	learn: 0.0291464	total: 42.9s remaining: 346ms
992:	learn: 0.0291145	total: 43.1s remaining: 303ms
993:	learn: 0.0290809	total: 43.1s remaining: 260ms
994:	learn: 0.0290115	total: 43.1s remaining: 217ms
995:	learn: 0.0289954	total: 43.2s remaining: 173ms
996:	learn: 0.0289611	total: 43.3s remaining: 130ms
997:	learn: 0.0289449	total: 43.3s remaining: 86.7ms
998:	learn: 0.0289005	total: 43.4s remaining: 43.5ms
999:	learn: 0.0288378	total: 43.5s remaining: 0us
Learning rate set to 0.040511		
0:	learn: 0.3957517	total: 493ms remaining: 8m 12s
1:	learn: 0.3857377	total: 921ms remaining: 7m 39s
2:	learn: 0.3756144	total: 1.05s remaining: 5m 49s
3:	learn: 0.3659541	total: 1.17s remaining: 4m 51s
4:	learn: 0.3569002	total: 1.25s remaining: 4m 7s
5:	learn: 0.3475578	total: 1.33s remaining: 3m 40s
6:	learn: 0.3386773	total: 1.35s remaining: 3m 12s
7:	learn: 0.3306385	total: 1.4s remaining: 2m 53s
8:	learn: 0.3230780	total: 1.49s remaining: 2m 43s
9:	learn: 0.3154514	total: 1.72s remaining: 2m 49s
10:	learn: 0.3088346	total: 1.76s remaining: 2m 37s
11:	learn: 0.3019230	total: 1.77s remaining: 2m 26s
12:	learn: 0.2953377	total: 1.78s remaining: 2m 15s
13:	learn: 0.2890406	total: 1.78s remaining: 2m 5s
14:	learn: 0.2830943	total: 1.94s remaining: 2m 7s
15:	learn: 0.2771077	total: 1.95s remaining: 1m 59s
16:	learn: 0.2716819	total: 2.09s remaining: 2m
17:	learn: 0.2664418	total: 2.13s remaining: 1m 56s
18:	learn: 0.2613596	total: 2.17s remaining: 1m 51s
19:	learn: 0.2565282	total: 2.18s remaining: 1m 46s
20:	learn: 0.2517329	total: 2.25s remaining: 1m 44s
21:	learn: 0.2466694	total: 2.26s remaining: 1m 40s
22:	learn: 0.2423791	total: 2.3s remaining: 1m 37s
23:	learn: 0.2377521	total: 2.32s remaining: 1m 34s
24:	learn: 0.2334190	total: 2.42s remaining: 1m 34s
25:	learn: 0.2296531	total: 2.44s remaining: 1m 31s
26:	learn: 0.2257245	total: 2.58s remaining: 1m 32s
27:	learn: 0.2222868	total: 2.6s remaining: 1m 30s
28:	learn: 0.2190713	total: 2.61s remaining: 1m 27s
29:	learn: 0.2154474	total: 2.66s remaining: 1m 25s
30:	learn: 0.2117743	total: 2.69s remaining: 1m 24s
31:	learn: 0.2082712	total: 2.79s remaining: 1m 24s
32:	learn: 0.2052857	total: 2.8s remaining: 1m 22s
33:	learn: 0.2020752	total: 2.82s remaining: 1m 20s
34:	learn: 0.1990856	total: 2.93s remaining: 1m 20s
35:	learn: 0.1964043	total: 2.99s remaining: 1m 20s
36:	learn: 0.1935769	total: 3.02s remaining: 1m 18s
37:	learn: 0.1908401	total: 3.07s remaining: 1m 17s
38:	learn: 0.1885721	total: 3.11s remaining: 1m 16s
39:	learn: 0.1861517	total: 3.17s remaining: 1m 16s
40:	learn: 0.1836319	total: 3.18s remaining: 1m 14s
41:	learn: 0.1811962	total: 3.22s remaining: 1m 13s
42:	learn: 0.1787841	total: 3.23s remaining: 1m 11s
43:	learn: 0.1764340	total: 3.31s remaining: 1m 11s
44:	learn: 0.1743065	total: 3.34s remaining: 1m 10s
45:	learn: 0.1724073	total: 3.34s remaining: 1m 9s
46:	learn: 0.1706150	total: 3.41s remaining: 1m 9s

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47: learn: 0.1686785      total: 3.48s  remaining: 1m 8s
48: learn: 0.1669273      total: 3.64s  remaining: 1m 10s
49: learn: 0.1653597      total: 3.75s  remaining: 1m 11s
50: learn: 0.1637444      total: 3.84s  remaining: 1m 11s
51: learn: 0.1622919      total: 3.93s  remaining: 1m 11s
52: learn: 0.1607006      total: 4.05s  remaining: 1m 12s
53: learn: 0.1592971      total: 4.39s  remaining: 1m 16s
54: learn: 0.1577494      total: 4.44s  remaining: 1m 16s
55: learn: 0.1565533      total: 4.46s  remaining: 1m 15s
56: learn: 0.1552760      total: 4.48s  remaining: 1m 14s
57: learn: 0.1541096      total: 4.5s   remaining: 1m 13s
58: learn: 0.1528758      total: 4.5s   remaining: 1m 11s
59: learn: 0.1517597      total: 4.52s  remaining: 1m 10s
60: learn: 0.1504645      total: 4.53s  remaining: 1m 9s
907: learn: 0.0319498      total: 41s   remaining: 4.16s
908: learn: 0.0319041      total: 41s   remaining: 4.11s
909: learn: 0.0318600      total: 41s   remaining: 4.06s
910: learn: 0.0318204      total: 41.1s  remaining: 4.01s
911: learn: 0.0317881      total: 41.2s  remaining: 3.97s
912: learn: 0.0317525      total: 41.2s  remaining: 3.92s
913: learn: 0.0317200      total: 41.3s  remaining: 3.88s
914: learn: 0.0316909      total: 41.4s  remaining: 3.84s
915: learn: 0.0316257      total: 41.4s  remaining: 3.8s
916: learn: 0.0315614      total: 41.5s  remaining: 3.76s
917: learn: 0.0315362      total: 41.6s  remaining: 3.71s
918: learn: 0.0314828      total: 41.6s  remaining: 3.67s
919: learn: 0.0314259      total: 41.8s  remaining: 3.63s
920: learn: 0.0313567      total: 41.8s  remaining: 3.59s
921: learn: 0.0313151      total: 41.9s  remaining: 3.54s
922: learn: 0.0312854      total: 42.1s  remaining: 3.51s
923: learn: 0.0312503      total: 42.1s  remaining: 3.47s
924: learn: 0.0312476      total: 42.2s  remaining: 3.42s
925: learn: 0.0311894      total: 42.2s  remaining: 3.37s
926: learn: 0.0311677      total: 42.2s  remaining: 3.32s
927: learn: 0.0311309      total: 42.3s  remaining: 3.28s
928: learn: 0.0311034      total: 42.3s  remaining: 3.24s
929: learn: 0.0310696      total: 42.4s  remaining: 3.19s
930: learn: 0.0310241      total: 42.4s  remaining: 3.14s
931: learn: 0.0309620      total: 42.4s  remaining: 3.1s
932: learn: 0.0309175      total: 42.5s  remaining: 3.05s
933: learn: 0.0308798      total: 42.7s  remaining: 3.02s
934: learn: 0.0308538      total: 42.7s  remaining: 2.97s
935: learn: 0.0308184      total: 42.9s  remaining: 2.93s
936: learn: 0.0307768      total: 42.9s  remaining: 2.88s
937: learn: 0.0307463      total: 43s   remaining: 2.84s
938: learn: 0.0307426      total: 43s   remaining: 2.79s
939: learn: 0.0307175      total: 43s   remaining: 2.74s
940: learn: 0.0306648      total: 43s   remaining: 2.7s
941: learn: 0.0306273      total: 43.1s  remaining: 2.65s
942: learn: 0.0305940      total: 43.1s  remaining: 2.6s
943: learn: 0.0305917      total: 43.2s  remaining: 2.56s
944: learn: 0.0305498      total: 43.2s  remaining: 2.51s
945: learn: 0.0305086      total: 43.3s  remaining: 2.47s
946: learn: 0.0304693      total: 43.4s  remaining: 2.43s
947: learn: 0.0304639      total: 43.4s  remaining: 2.38s
948: learn: 0.0304147      total: 43.5s  remaining: 2.33s
949: learn: 0.0303899      total: 43.5s  remaining: 2.29s
950: learn: 0.0303507      total: 43.6s  remaining: 2.25s
951: learn: 0.0303198      total: 43.6s  remaining: 2.2s
952: learn: 0.0302906      total: 43.7s  remaining: 2.15s
953: learn: 0.0302884      total: 43.7s  remaining: 2.11s
954: learn: 0.0302568      total: 43.8s  remaining: 2.06s
955: learn: 0.0302020      total: 43.8s  remaining: 2.02s
956: learn: 0.0301868      total: 43.9s  remaining: 1.97s

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957: learn: 0.0301716      total: 43.9s  remaining: 1.92s
958: learn: 0.0301160      total: 44s    remaining: 1.88s
959: learn: 0.0300988      total: 44s    remaining: 1.83s
960: learn: 0.0300597      total: 44s    remaining: 1.79s
961: learn: 0.0300167      total: 44.1s   remaining: 1.74s
962: learn: 0.0299904      total: 44.1s   remaining: 1.69s
963: learn: 0.0299451      total: 44.1s   remaining: 1.65s
964: learn: 0.0299048      total: 44.2s   remaining: 1.6s
965: learn: 0.0298500      total: 44.2s   remaining: 1.55s
966: learn: 0.0298168      total: 44.2s   remaining: 1.51s
967: learn: 0.0297419      total: 44.4s   remaining: 1.47s
968: learn: 0.0296876      total: 44.4s   remaining: 1.42s
969: learn: 0.0296631      total: 44.4s   remaining: 1.37s
970: learn: 0.0295910      total: 44.4s   remaining: 1.33s
971: learn: 0.0295425      total: 44.4s   remaining: 1.28s
972: learn: 0.0295041      total: 44.5s   remaining: 1.23s
973: learn: 0.0294643      total: 44.6s   remaining: 1.19s
974: learn: 0.0294443      total: 44.6s   remaining: 1.14s
975: learn: 0.0294179      total: 44.6s   remaining: 1.1s
976: learn: 0.0293695      total: 44.6s   remaining: 1.05s
977: learn: 0.0293139      total: 44.7s   remaining: 1s
978: learn: 0.0293117      total: 44.7s   remaining: 959ms
979: learn: 0.0292910      total: 44.7s   remaining: 913ms
980: learn: 0.0292409      total: 44.7s   remaining: 866ms
981: learn: 0.0291849      total: 44.7s   remaining: 820ms
982: learn: 0.0291608      total: 44.7s   remaining: 774ms
983: learn: 0.0291298      total: 44.8s   remaining: 728ms
984: learn: 0.0291243      total: 44.8s   remaining: 682ms
985: learn: 0.0290934      total: 44.8s   remaining: 637ms
986: learn: 0.0290427      total: 44.9s   remaining: 591ms
987: learn: 0.0290105      total: 44.9s   remaining: 545ms
988: learn: 0.0289759      total: 44.9s   remaining: 500ms
989: learn: 0.0289454      total: 45s    remaining: 454ms
990: learn: 0.0289438      total: 45s    remaining: 408ms
991: learn: 0.0289176      total: 45s    remaining: 363ms
992: learn: 0.0288638      total: 45s    remaining: 317ms
993: learn: 0.0288199      total: 45s    remaining: 272ms
994: learn: 0.0287693      total: 45s    remaining: 226ms
995: learn: 0.0287280      total: 45s    remaining: 181ms
996: learn: 0.0286704      total: 45.1s   remaining: 136ms
997: learn: 0.0286125      total: 45.1s   remaining: 90.3ms
998: learn: 0.0286107      total: 45.1s   remaining: 45.1ms
999: learn: 0.0285999      total: 45.1s   remaining: 0us

Learning rate set to 0.040511
0: learn: 0.3839004      total: 515ms  remaining: 8m 34s
1: learn: 0.3741608      total: 892ms  remaining: 7m 25s
2: learn: 0.3647069      total: 1.12s   remaining: 6m 11s
3: learn: 0.3556207      total: 1.22s   remaining: 5m 4s
4: learn: 0.3479862      total: 1.28s   remaining: 4m 15s
5: learn: 0.3399215      total: 1.3s    remaining: 3m 35s
6: learn: 0.3315054      total: 1.5s    remaining: 3m 32s
7: learn: 0.3235154      total: 1.57s   remaining: 3m 15s
8: learn: 0.3172291      total: 1.61s   remaining: 2m 57s
9: learn: 0.3098793      total: 1.61s   remaining: 2m 39s
10: learn: 0.3034662      total: 1.62s   remaining: 2m 25s
11: learn: 0.2966218      total: 1.77s   remaining: 2m 25s
12: learn: 0.2899005      total: 1.82s   remaining: 2m 18s
13: learn: 0.2836258      total: 1.83s   remaining: 2m 8s
14: learn: 0.2780854      total: 1.94s   remaining: 2m 7s
15: learn: 0.2725572      total: 1.97s   remaining: 2m 1s
16: learn: 0.2671067      total: 2.18s   remaining: 2m 5s
17: learn: 0.2620486      total: 2.21s   remaining: 2m
18: learn: 0.2572083      total: 2.31s   remaining: 1m 59s
19: learn: 0.2520024      total: 2.42s   remaining: 1m 58s

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20: learn: 0.2474091    total: 2.5s    remaining: 1m 56s
21: learn: 0.2428115    total: 2.56s   remaining: 1m 53s
22: learn: 0.2385343    total: 2.6s    remaining: 1m 50s
23: learn: 0.2340456    total: 2.63s   remaining: 1m 47s
24: learn: 0.2303159    total: 2.69s   remaining: 1m 44s
25: learn: 0.2258550    total: 2.75s   remaining: 1m 43s
26: learn: 0.2223949    total: 2.88s   remaining: 1m 43s
27: learn: 0.2191124    total: 2.99s   remaining: 1m 43s
28: learn: 0.2154723    total: 3.04s   remaining: 1m 41s
29: learn: 0.2120607    total: 3.07s   remaining: 1m 39s
30: learn: 0.2093753    total: 3.07s   remaining: 1m 36s
31: learn: 0.2061185    total: 3.08s   remaining: 1m 33s
32: learn: 0.2030980    total: 3.09s   remaining: 1m 30s
33: learn: 0.2002461    total: 3.19s   remaining: 1m 30s
34: learn: 0.1972295    total: 3.25s   remaining: 1m 29s
35: learn: 0.1943191    total: 3.28s   remaining: 1m 27s
36: learn: 0.1916934    total: 3.35s   remaining: 1m 27s
37: learn: 0.1888658    total: 3.39s   remaining: 1m 25s
38: learn: 0.1864036    total: 3.41s   remaining: 1m 23s
39: learn: 0.1840380    total: 3.44s   remaining: 1m 22s
40: learn: 0.1816798    total: 3.46s   remaining: 1m 20s
41: learn: 0.1793667    total: 3.58s   remaining: 1m 21s
42: learn: 0.1770170    total: 3.62s   remaining: 1m 20s
43: learn: 0.1749689    total: 3.65s   remaining: 1m 19s
44: learn: 0.1728644    total: 3.66s   remaining: 1m 17s
45: learn: 0.1706539    total: 3.72s   remaining: 1m 17s
46: learn: 0.1689184    total: 3.75s   remaining: 1m 16s
47: learn: 0.1670018    total: 3.77s   remaining: 1m 14s
48: learn: 0.1654326    total: 3.82s   remaining: 1m 14s
49: learn: 0.1637955    total: 3.92s   remaining: 1m 14s
50: learn: 0.1621792    total: 3.92s   remaining: 1m 12s
51: learn: 0.1606191    total: 3.93s   remaining: 1m 11s
52: learn: 0.1591718    total: 4.03s   remaining: 1m 11s
53: learn: 0.1579031    total: 4.09s   remaining: 1m 11s
54: learn: 0.1566335    total: 4.11s   remaining: 1m 10s
55: learn: 0.1551782    total: 4.15s   remaining: 1m 9s
56: learn: 0.1538295    total: 4.16s   remaining: 1m 8s
57: learn: 0.1525448    total: 4.37s   remaining: 1m 11s
58: learn: 0.1512693    total: 4.47s   remaining: 1m 11s
59: learn: 0.1501283    total: 4.57s   remaining: 1m 11s
60: learn: 0.1489776    total: 4.6s    remaining: 1m 10s
61: learn: 0.1478572    total: 4.62s   remaining: 1m 9s
62: learn: 0.1465742    total: 4.66s   remaining: 1m 9s
63: learn: 0.1455834    total: 4.67s   remaining: 1m 8s
64: learn: 0.1444367    total: 4.84s   remaining: 1m 9s
906: learn: 0.0331104    total: 40.8s  remaining: 4.18s
907: learn: 0.0330615    total: 40.8s  remaining: 4.13s
908: learn: 0.0330338    total: 40.8s  remaining: 4.08s
909: learn: 0.0329673    total: 40.9s  remaining: 4.05s
910: learn: 0.0329580    total: 40.9s  remaining: 4s
911: learn: 0.0328996    total: 41s    remaining: 3.95s
912: learn: 0.0328353    total: 41s    remaining: 3.91s
913: learn: 0.0327718    total: 41.1s  remaining: 3.87s
914: learn: 0.0327258    total: 41.2s  remaining: 3.83s
915: learn: 0.0326769    total: 41.3s  remaining: 3.78s
916: learn: 0.0326339    total: 41.3s  remaining: 3.74s
917: learn: 0.0325885    total: 41.3s  remaining: 3.69s
918: learn: 0.0325279    total: 41.4s  remaining: 3.65s
919: learn: 0.0324450    total: 41.6s  remaining: 3.62s
920: learn: 0.0323988    total: 41.7s  remaining: 3.58s
921: learn: 0.0323963    total: 41.8s  remaining: 3.54s
922: learn: 0.0323762    total: 41.9s  remaining: 3.49s
923: learn: 0.0323275    total: 41.9s  remaining: 3.45s
924: learn: 0.0322886    total: 41.9s  remaining: 3.4s

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925: learn: 0.0322349    total: 42s    remaining: 3.35s
926: learn: 0.0321833    total: 42s    remaining: 3.3s
927: learn: 0.0321342    total: 42.1s   remaining: 3.27s
928: learn: 0.0321153    total: 42.1s   remaining: 3.22s
929: learn: 0.0320832    total: 42.1s   remaining: 3.17s
930: learn: 0.0320225    total: 42.3s   remaining: 3.13s
931: learn: 0.0319681    total: 42.4s   remaining: 3.09s
932: learn: 0.0319068    total: 42.5s   remaining: 3.05s
933: learn: 0.0318506    total: 42.6s   remaining: 3.01s
934: learn: 0.0318038    total: 42.7s   remaining: 2.97s
935: learn: 0.0317459    total: 42.7s   remaining: 2.92s
936: learn: 0.0316921    total: 42.8s   remaining: 2.88s
937: learn: 0.0316393    total: 42.9s   remaining: 2.83s
938: learn: 0.0316180    total: 43s     remaining: 2.79s
939: learn: 0.0315661    total: 43s     remaining: 2.75s
940: learn: 0.0315547    total: 43.1s   remaining: 2.7s
941: learn: 0.0315090    total: 43.2s   remaining: 2.66s
942: learn: 0.0314555    total: 43.2s   remaining: 2.61s
943: learn: 0.0314118    total: 43.3s   remaining: 2.57s
944: learn: 0.0314070    total: 43.4s   remaining: 2.52s
945: learn: 0.0313650    total: 43.4s   remaining: 2.48s
946: learn: 0.0313158    total: 43.5s   remaining: 2.43s
947: learn: 0.0312578    total: 43.5s   remaining: 2.39s
948: learn: 0.0312157    total: 43.7s   remaining: 2.35s
949: learn: 0.0311690    total: 43.8s   remaining: 2.3s
950: learn: 0.0311241    total: 43.9s   remaining: 2.26s
951: learn: 0.0310784    total: 44s     remaining: 2.22s
952: learn: 0.0310213    total: 44s     remaining: 2.17s
953: learn: 0.0309848    total: 44.1s   remaining: 2.12s
954: learn: 0.0309153    total: 44.1s   remaining: 2.08s
955: learn: 0.0308810    total: 44.2s   remaining: 2.03s
956: learn: 0.0308418    total: 44.3s   remaining: 1.99s
957: learn: 0.0307818    total: 44.3s   remaining: 1.94s
958: learn: 0.0307734    total: 44.4s   remaining: 1.9s
959: learn: 0.0307399    total: 44.5s   remaining: 1.85s
960: learn: 0.0307068    total: 44.6s   remaining: 1.81s
961: learn: 0.0306672    total: 44.7s   remaining: 1.76s
962: learn: 0.0305944    total: 44.8s   remaining: 1.72s
963: learn: 0.0305474    total: 44.8s   remaining: 1.67s
964: learn: 0.0304959    total: 44.8s   remaining: 1.63s
965: learn: 0.0304701    total: 44.9s   remaining: 1.58s
966: learn: 0.0304448    total: 44.9s   remaining: 1.53s
967: learn: 0.0304023    total: 45s     remaining: 1.49s
968: learn: 0.0303678    total: 45.1s   remaining: 1.44s
969: learn: 0.0303045    total: 45.2s   remaining: 1.4s
970: learn: 0.0302599    total: 45.3s   remaining: 1.35s
971: learn: 0.0302000    total: 45.3s   remaining: 1.31s
972: learn: 0.0301520    total: 45.4s   remaining: 1.26s
973: learn: 0.0301092    total: 45.5s   remaining: 1.22s
974: learn: 0.0300461    total: 45.5s   remaining: 1.17s
975: learn: 0.0300382    total: 45.6s   remaining: 1.12s
976: learn: 0.0299957    total: 45.6s   remaining: 1.07s
977: learn: 0.0299560    total: 45.6s   remaining: 1.03s
978: learn: 0.0299331    total: 45.7s   remaining: 981ms
979: learn: 0.0298970    total: 45.8s   remaining: 934ms
980: learn: 0.0298533    total: 45.8s   remaining: 888ms
981: learn: 0.0298127    total: 45.8s   remaining: 840ms
982: learn: 0.0297786    total: 45.9s   remaining: 794ms
983: learn: 0.0297324    total: 45.9s   remaining: 747ms
984: learn: 0.0296865    total: 45.9s   remaining: 700ms
985: learn: 0.0296803    total: 46s     remaining: 653ms
986: learn: 0.0296348    total: 46.1s   remaining: 607ms
987: learn: 0.0295818    total: 46.1s   remaining: 560ms
988: learn: 0.0295613    total: 46.1s   remaining: 513ms

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989: learn: 0.0295116      total: 46.2s    remaining: 467ms
990: learn: 0.0295089      total: 46.3s    remaining: 421ms
991: learn: 0.0294630      total: 46.3s    remaining: 374ms
992: learn: 0.0294138      total: 46.4s    remaining: 327ms
993: learn: 0.0293888      total: 46.7s    remaining: 282ms
994: learn: 0.0293486      total: 46.7s    remaining: 235ms
995: learn: 0.0293159      total: 46.8s    remaining: 188ms
996: learn: 0.0292795      total: 46.8s    remaining: 141ms
997: learn: 0.0292434      total: 46.8s    remaining: 93.8ms
998: learn: 0.0292246      total: 46.8s    remaining: 46.9ms
999: learn: 0.0292094      total: 46.8s    remaining: 0us

Learning rate set to 0.040511
0:   learn: 0.3896014      total: 685ms    remaining: 11m 24s
1:   learn: 0.3793095      total: 906ms    remaining: 7m 32s
2:   learn: 0.3695744      total: 1.11s    remaining: 6m 10s
3:   learn: 0.3596001      total: 1.13s    remaining: 4m 42s
4:   learn: 0.3505035      total: 1.21s    remaining: 4m 1s
5:   learn: 0.3420659      total: 1.24s    remaining: 3m 26s
6:   learn: 0.3341047      total: 1.32s    remaining: 3m 8s
7:   learn: 0.3253696      total: 1.34s    remaining: 2m 45s
8:   learn: 0.3186296      total: 1.45s    remaining: 2m 39s
9:   learn: 0.3118355      total: 1.56s    remaining: 2m 34s
10:  learn: 0.3045603      total: 1.64s    remaining: 2m 27s
11:  learn: 0.2976926      total: 1.64s    remaining: 2m 15s
12:  learn: 0.2914260      total: 1.65s    remaining: 2m 5s
13:  learn: 0.2848663      total: 1.66s    remaining: 1m 56s
14:  learn: 0.2785231      total: 1.74s    remaining: 1m 54s
15:  learn: 0.2726781      total: 1.74s    remaining: 1m 47s
16:  learn: 0.2667169      total: 1.8s     remaining: 1m 44s
17:  learn: 0.2612985      total: 1.85s    remaining: 1m 41s
18:  learn: 0.2565654      total: 1.9s     remaining: 1m 38s
19:  learn: 0.2523707      total: 1.95s    remaining: 1m 35s
20:  learn: 0.2470260      total: 1.96s    remaining: 1m 31s
21:  learn: 0.2421911      total: 2.02s    remaining: 1m 29s
22:  learn: 0.2377721      total: 2.03s    remaining: 1m 26s
23:  learn: 0.2336943      total: 2.21s    remaining: 1m 29s
24:  learn: 0.2296966      total: 2.22s    remaining: 1m 26s
25:  learn: 0.2253870      total: 2.23s    remaining: 1m 23s
26:  learn: 0.2213065      total: 2.25s    remaining: 1m 21s
27:  learn: 0.2172765      total: 2.33s    remaining: 1m 20s
28:  learn: 0.2136078      total: 2.37s    remaining: 1m 19s
29:  learn: 0.2105012      total: 2.42s    remaining: 1m 18s
30:  learn: 0.2071826      total: 2.71s    remaining: 1m 24s
31:  learn: 0.2040814      total: 2.9s     remaining: 1m 27s
32:  learn: 0.2016493      total: 2.91s    remaining: 1m 25s
33:  learn: 0.1983760      total: 3.02s    remaining: 1m 25s
34:  learn: 0.1953556      total: 3.13s    remaining: 1m 26s
35:  learn: 0.1926832      total: 3.38s    remaining: 1m 30s
36:  learn: 0.1897483      total: 3.45s    remaining: 1m 29s
37:  learn: 0.1871740      total: 3.57s    remaining: 1m 30s
38:  learn: 0.1847901      total: 3.64s    remaining: 1m 29s
39:  learn: 0.1821915      total: 3.96s    remaining: 1m 35s
40:  learn: 0.1797205      total: 4.11s    remaining: 1m 36s
41:  learn: 0.1778334      total: 4.38s    remaining: 1m 40s
42:  learn: 0.1758146      total: 4.42s    remaining: 1m 38s
43:  learn: 0.1737054      total: 4.47s    remaining: 1m 37s
44:  learn: 0.1715020      total: 4.49s    remaining: 1m 35s
45:  learn: 0.1698637      total: 4.49s    remaining: 1m 33s
46:  learn: 0.1679010      total: 4.52s    remaining: 1m 31s
47:  learn: 0.1660146      total: 4.53s    remaining: 1m 29s
48:  learn: 0.1642806      total: 4.58s    remaining: 1m 28s
49:  learn: 0.1625482      total: 4.65s    remaining: 1m 28s
50:  learn: 0.1609138      total: 4.66s    remaining: 1m 26s
51:  learn: 0.1592433      total: 4.66s    remaining: 1m 25s

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52: learn: 0.1576575    total: 4.7s    remaining: 1m 24s
53: learn: 0.1565120    total: 4.71s   remaining: 1m 22s
54: learn: 0.1551736    total: 4.76s   remaining: 1m 21s
55: learn: 0.1537181    total: 4.77s   remaining: 1m 20s
56: learn: 0.1524251    total: 4.81s   remaining: 1m 19s
57: learn: 0.1512534    total: 4.91s   remaining: 1m 19s
58: learn: 0.1499527    total: 4.99s   remaining: 1m 19s
59: learn: 0.1488822    total: 5s      remaining: 1m 18s
60: learn: 0.1476433    total: 5.03s   remaining: 1m 17s
61: learn: 0.1463480    total: 5.03s   remaining: 1m 16s
62: learn: 0.1453459    total: 5.08s   remaining: 1m 15s
850: learn: 0.0354930    total: 39.5s  remaining: 6.92s
851: learn: 0.0354532    total: 39.6s  remaining: 6.88s
852: learn: 0.0354290    total: 39.6s  remaining: 6.82s
853: learn: 0.0353776    total: 39.6s  remaining: 6.78s
854: learn: 0.0353315    total: 39.7s  remaining: 6.72s
855: learn: 0.0352966    total: 39.7s  remaining: 6.67s
856: learn: 0.0352906    total: 39.7s  remaining: 6.62s
857: learn: 0.0352468    total: 39.7s  remaining: 6.58s
858: learn: 0.0352056    total: 39.7s  remaining: 6.52s
859: learn: 0.0351716    total: 39.8s  remaining: 6.47s
860: learn: 0.0351552    total: 39.8s  remaining: 6.42s
861: learn: 0.0351215    total: 39.8s  remaining: 6.37s
862: learn: 0.0350719    total: 39.8s  remaining: 6.32s
863: learn: 0.0350617    total: 39.8s  remaining: 6.27s
864: learn: 0.0350195    total: 39.8s  remaining: 6.21s
865: learn: 0.0349327    total: 39.9s  remaining: 6.17s
866: learn: 0.0348490    total: 39.9s  remaining: 6.12s
867: learn: 0.0347957    total: 39.9s  remaining: 6.07s
868: learn: 0.0347357    total: 39.9s  remaining: 6.01s
869: learn: 0.0346873    total: 39.9s  remaining: 5.96s
870: learn: 0.0346598    total: 39.9s  remaining: 5.91s
871: learn: 0.0346168    total: 39.9s  remaining: 5.86s
872: learn: 0.0345585    total: 39.9s  remaining: 5.8s
873: learn: 0.0345553    total: 39.9s  remaining: 5.76s
874: learn: 0.0345500    total: 39.9s  remaining: 5.7s
875: learn: 0.0344769    total: 39.9s  remaining: 5.65s
876: learn: 0.0344275    total: 39.9s  remaining: 5.6s
877: learn: 0.0343956    total: 40s    remaining: 5.55s
878: learn: 0.0343514    total: 40s    remaining: 5.5s
879: learn: 0.0343045    total: 40s    remaining: 5.45s
880: learn: 0.0342944    total: 40s    remaining: 5.4s
881: learn: 0.0342629    total: 40s    remaining: 5.35s
882: learn: 0.0342207    total: 40s    remaining: 5.3s
883: learn: 0.0341685    total: 40s    remaining: 5.25s
884: learn: 0.0340906    total: 40.1s  remaining: 5.21s
885: learn: 0.0340471    total: 40.1s  remaining: 5.16s
886: learn: 0.0339975    total: 40.1s  remaining: 5.11s
887: learn: 0.0339671    total: 40.1s  remaining: 5.06s
888: learn: 0.0339180    total: 40.1s  remaining: 5.01s
889: learn: 0.0338900    total: 40.1s  remaining: 4.96s
890: learn: 0.0338595    total: 40.1s  remaining: 4.91s
891: learn: 0.0338487    total: 40.1s  remaining: 4.86s
892: learn: 0.0338034    total: 40.1s  remaining: 4.81s
893: learn: 0.0337838    total: 40.1s  remaining: 4.76s
894: learn: 0.0337598    total: 40.2s  remaining: 4.72s
895: learn: 0.0337258    total: 40.2s  remaining: 4.67s
896: learn: 0.0336693    total: 40.2s  remaining: 4.62s
897: learn: 0.0336239    total: 40.2s  remaining: 4.57s
898: learn: 0.0336009    total: 40.2s  remaining: 4.52s
899: learn: 0.0335443    total: 40.2s  remaining: 4.47s
900: learn: 0.0334885    total: 40.2s  remaining: 4.42s
901: learn: 0.0334381    total: 40.2s  remaining: 4.37s
902: learn: 0.0333761    total: 40.2s  remaining: 4.32s

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903: learn: 0.0333494      total: 40.3s    remaining: 4.27s
904: learn: 0.0333399      total: 40.3s    remaining: 4.22s
905: learn: 0.0332638      total: 40.3s    remaining: 4.18s
906: learn: 0.0332447      total: 40.3s    remaining: 4.13s
907: learn: 0.0331836      total: 40.3s    remaining: 4.08s
908: learn: 0.0331134      total: 40.3s    remaining: 4.04s
909: learn: 0.0330863      total: 40.3s    remaining: 3.99s
910: learn: 0.0330187      total: 40.4s    remaining: 3.94s
911: learn: 0.0329733      total: 40.4s    remaining: 3.9s
912: learn: 0.0329463      total: 40.4s    remaining: 3.85s
913: learn: 0.0329116      total: 40.4s    remaining: 3.8s
914: learn: 0.0328814      total: 40.4s    remaining: 3.75s
915: learn: 0.0328300      total: 40.5s    remaining: 3.71s
916: learn: 0.0327617      total: 40.5s    remaining: 3.66s
917: learn: 0.0327232      total: 40.5s    remaining: 3.62s
918: learn: 0.0326629      total: 40.5s    remaining: 3.57s
919: learn: 0.0325805      total: 40.6s    remaining: 3.53s
920: learn: 0.0325190      total: 40.6s    remaining: 3.48s
921: learn: 0.0324525      total: 40.6s    remaining: 3.44s
922: learn: 0.0324036      total: 40.7s    remaining: 3.4s
923: learn: 0.0323611      total: 40.7s    remaining: 3.35s
924: learn: 0.0323591      total: 40.7s    remaining: 3.3s
925: learn: 0.0323339      total: 40.7s    remaining: 3.25s
926: learn: 0.0323128      total: 40.7s    remaining: 3.21s
927: learn: 0.0322908      total: 40.7s    remaining: 3.16s
928: learn: 0.0322360      total: 40.8s    remaining: 3.11s
929: learn: 0.0321877      total: 40.8s    remaining: 3.07s
930: learn: 0.0321178      total: 40.8s    remaining: 3.02s
931: learn: 0.0320920      total: 40.8s    remaining: 2.98s
932: learn: 0.0320272      total: 40.8s    remaining: 2.93s
933: learn: 0.0320250      total: 40.8s    remaining: 2.88s
934: learn: 0.0319792      total: 40.8s    remaining: 2.84s
935: learn: 0.0319297      total: 40.9s    remaining: 2.79s
936: learn: 0.0318969      total: 40.9s    remaining: 2.75s
937: learn: 0.0318375      total: 40.9s    remaining: 2.7s
938: learn: 0.0317866      total: 40.9s    remaining: 2.66s
939: learn: 0.0317572      total: 41s      remaining: 2.61s
940: learn: 0.0317245      total: 41s      remaining: 2.57s
941: learn: 0.0316790      total: 41s      remaining: 2.53s
942: learn: 0.0316552      total: 41.1s    remaining: 2.48s
943: learn: 0.0316501      total: 41.2s    remaining: 2.44s
944: learn: 0.0316053      total: 41.2s    remaining: 2.4s
945: learn: 0.0315787      total: 41.2s    remaining: 2.35s
946: learn: 0.0315366      total: 41.3s    remaining: 2.31s
947: learn: 0.0315220      total: 41.4s    remaining: 2.27s
948: learn: 0.0314701      total: 41.4s    remaining: 2.22s
949: learn: 0.0314286      total: 41.4s    remaining: 2.18s
950: learn: 0.0313800      total: 41.4s    remaining: 2.13s
951: learn: 0.0313515      total: 41.4s    remaining: 2.09s
952: learn: 0.0313198      total: 41.5s    remaining: 2.04s
953: learn: 0.0312626      total: 41.5s    remaining: 2s
954: learn: 0.0311947      total: 41.5s    remaining: 1.95s
955: learn: 0.0311275      total: 41.5s    remaining: 1.91s
956: learn: 0.0310752      total: 41.5s    remaining: 1.86s
957: learn: 0.0310733      total: 41.5s    remaining: 1.82s
958: learn: 0.0310331      total: 41.5s    remaining: 1.77s
959: learn: 0.0309831      total: 41.6s    remaining: 1.73s
960: learn: 0.0309429      total: 41.7s    remaining: 1.69s
961: learn: 0.0309121      total: 41.7s    remaining: 1.65s
962: learn: 0.0308661      total: 41.7s    remaining: 1.6s
963: learn: 0.0308227      total: 41.7s    remaining: 1.56s
964: learn: 0.0307917      total: 41.7s    remaining: 1.51s
965: learn: 0.0307863      total: 41.7s    remaining: 1.47s
966: learn: 0.0307514      total: 41.7s    remaining: 1.42s

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967: learn: 0.0307317    total: 41.7s  remaining: 1.38s
968: learn: 0.0306778    total: 41.8s  remaining: 1.34s
969: learn: 0.0306462    total: 41.8s  remaining: 1.29s
970: learn: 0.0306164    total: 41.9s  remaining: 1.25s
971: learn: 0.0305958    total: 41.9s  remaining: 1.21s
972: learn: 0.0305326    total: 41.9s  remaining: 1.16s
973: learn: 0.0304953    total: 42s    remaining: 1.12s
974: learn: 0.0304703    total: 42s    remaining: 1.08s
975: learn: 0.0304219    total: 42s    remaining: 1.03s
976: learn: 0.0304138    total: 42s    remaining: 989ms
977: learn: 0.0303523    total: 42.1s  remaining: 947ms
978: learn: 0.0303173    total: 42.1s  remaining: 903ms
979: learn: 0.0303138    total: 42.1s  remaining: 860ms
980: learn: 0.0302798    total: 42.2s  remaining: 817ms
981: learn: 0.0302741    total: 42.2s  remaining: 773ms
982: learn: 0.0302452    total: 42.2s  remaining: 730ms
983: learn: 0.0301645    total: 42.2s  remaining: 686ms
984: learn: 0.0301165    total: 42.2s  remaining: 643ms
985: learn: 0.0300822    total: 42.2s  remaining: 600ms
986: learn: 0.0300511    total: 42.3s  remaining: 557ms
987: learn: 0.0300369    total: 42.3s  remaining: 514ms
988: learn: 0.0300104    total: 42.4s  remaining: 471ms
989: learn: 0.0299711    total: 42.4s  remaining: 428ms
990: learn: 0.0299354    total: 42.4s  remaining: 385ms
991: learn: 0.0298854    total: 42.4s  remaining: 342ms
992: learn: 0.0297956    total: 42.5s  remaining: 300ms
993: learn: 0.0297930    total: 42.6s  remaining: 257ms
994: learn: 0.0297510    total: 42.6s  remaining: 214ms
995: learn: 0.0297033    total: 42.7s  remaining: 171ms
996: learn: 0.0296884    total: 42.7s  remaining: 128ms
997: learn: 0.0296285    total: 42.8s  remaining: 85.7ms
998: learn: 0.0295719    total: 42.8s  remaining: 42.8ms
999: learn: 0.0295255    total: 42.8s  remaining: 0us

Learning rate set to 0.040504
0: learn: 0.3810680    total: 1.14s  remaining: 18m 54s
1: learn: 0.3716245    total: 1.42s  remaining: 11m 49s
2: learn: 0.3625976    total: 1.66s  remaining: 9m 12s
3: learn: 0.3530667    total: 1.72s  remaining: 7m 7s
4: learn: 0.3439074    total: 1.74s  remaining: 5m 46s
5: learn: 0.3355672    total: 1.81s  remaining: 4m 59s
6: learn: 0.3272295    total: 1.93s  remaining: 4m 33s
907: learn: 0.0345778    total: 37.8s  remaining: 3.83s
908: learn: 0.0345338    total: 38s    remaining: 3.8s
909: learn: 0.0344916    total: 38.1s  remaining: 3.77s
910: learn: 0.0344801    total: 38.2s  remaining: 3.73s
911: learn: 0.0344268    total: 38.3s  remaining: 3.69s
912: learn: 0.0343939    total: 38.4s  remaining: 3.66s
913: learn: 0.0343838    total: 38.4s  remaining: 3.62s
914: learn: 0.0343764    total: 38.5s  remaining: 3.57s
915: learn: 0.0343296    total: 38.5s  remaining: 3.53s
916: learn: 0.0342848    total: 38.9s  remaining: 3.52s
917: learn: 0.0342826    total: 38.9s  remaining: 3.47s
918: learn: 0.0342809    total: 38.9s  remaining: 3.43s
919: learn: 0.0342521    total: 39s    remaining: 3.39s
920: learn: 0.0342032    total: 39.1s  remaining: 3.35s
921: learn: 0.0341578    total: 39.1s  remaining: 3.31s
922: learn: 0.0341059    total: 39.2s  remaining: 3.27s
923: learn: 0.0340838    total: 39.2s  remaining: 3.23s
924: learn: 0.0340161    total: 39.3s  remaining: 3.18s
925: learn: 0.0340139    total: 39.3s  remaining: 3.14s
926: learn: 0.0339842    total: 39.3s  remaining: 3.1s
927: learn: 0.0339388    total: 39.3s  remaining: 3.05s
928: learn: 0.0338983    total: 39.4s  remaining: 3.01s
929: learn: 0.0338705    total: 39.4s  remaining: 2.96s

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930: learn: 0.0338378    total: 39.4s  remaining: 2.92s
931: learn: 0.0338107    total: 39.5s  remaining: 2.88s
932: learn: 0.0337619    total: 39.7s  remaining: 2.85s
933: learn: 0.0336993    total: 39.7s  remaining: 2.81s
934: learn: 0.0336746    total: 39.8s  remaining: 2.77s
935: learn: 0.0336329    total: 39.8s  remaining: 2.72s
936: learn: 0.0335710    total: 39.8s  remaining: 2.68s
937: learn: 0.0334958    total: 39.9s  remaining: 2.64s
938: learn: 0.0334795    total: 39.9s  remaining: 2.59s
939: learn: 0.0334665    total: 40s    remaining: 2.55s
940: learn: 0.0333922    total: 40s    remaining: 2.51s
941: learn: 0.0333257    total: 40s    remaining: 2.46s
942: learn: 0.0332610    total: 40.1s  remaining: 2.42s
943: learn: 0.0332006    total: 40.1s  remaining: 2.38s
944: learn: 0.0331464    total: 40.2s  remaining: 2.34s
945: learn: 0.0330909    total: 40.3s  remaining: 2.3s
946: learn: 0.0330664    total: 40.3s  remaining: 2.26s
947: learn: 0.0330264    total: 40.3s  remaining: 2.21s
948: learn: 0.0329812    total: 40.4s  remaining: 2.17s
949: learn: 0.0329537    total: 40.4s  remaining: 2.13s
950: learn: 0.0329134    total: 40.4s  remaining: 2.08s
951: learn: 0.0328704    total: 40.4s  remaining: 2.04s
952: learn: 0.0328315    total: 40.4s  remaining: 1.99s
953: learn: 0.0327982    total: 40.4s  remaining: 1.95s
954: learn: 0.0327206    total: 40.5s  remaining: 1.91s
955: learn: 0.0326696    total: 40.5s  remaining: 1.86s
956: learn: 0.0326086    total: 40.5s  remaining: 1.82s
957: learn: 0.0326067    total: 40.5s  remaining: 1.78s
958: learn: 0.0325487    total: 40.6s  remaining: 1.74s
959: learn: 0.0324974    total: 40.7s  remaining: 1.69s
960: learn: 0.0324480    total: 40.7s  remaining: 1.65s
961: learn: 0.0324236    total: 40.8s  remaining: 1.61s
962: learn: 0.0323890    total: 40.9s  remaining: 1.57s
963: learn: 0.0323417    total: 41.1s  remaining: 1.53s
964: learn: 0.0322927    total: 41.1s  remaining: 1.49s
965: learn: 0.0322393    total: 41.1s  remaining: 1.45s
966: learn: 0.0322324    total: 41.1s  remaining: 1.4s
967: learn: 0.0321938    total: 41.1s  remaining: 1.36s
968: learn: 0.0321692    total: 41.2s  remaining: 1.32s
969: learn: 0.0321230    total: 41.3s  remaining: 1.28s
970: learn: 0.0321008    total: 41.3s  remaining: 1.23s
971: learn: 0.0320744    total: 41.3s  remaining: 1.19s
972: learn: 0.0320546    total: 41.4s  remaining: 1.15s
973: learn: 0.0320519    total: 41.5s  remaining: 1.11s
974: learn: 0.0320183    total: 41.5s  remaining: 1.06s
975: learn: 0.0319776    total: 41.6s  remaining: 1.02s
976: learn: 0.0319444    total: 41.6s  remaining: 980ms
977: learn: 0.0319164    total: 41.7s  remaining: 937ms
978: learn: 0.0319082    total: 41.7s  remaining: 895ms
979: learn: 0.0318699    total: 41.8s  remaining: 852ms
980: learn: 0.0318343    total: 41.8s  remaining: 810ms
981: learn: 0.0318056    total: 41.9s  remaining: 767ms
982: learn: 0.0318037    total: 41.9s  remaining: 725ms
983: learn: 0.0317554    total: 42s    remaining: 684ms
984: learn: 0.0317017    total: 42.1s  remaining: 641ms
985: learn: 0.0316796    total: 42.1s  remaining: 598ms
986: learn: 0.0316775    total: 42.2s  remaining: 555ms
987: learn: 0.0316556    total: 42.3s  remaining: 514ms
988: learn: 0.0316215    total: 42.3s  remaining: 471ms
989: learn: 0.0315837    total: 42.4s  remaining: 428ms
990: learn: 0.0315460    total: 42.5s  remaining: 386ms
991: learn: 0.0315195    total: 42.5s  remaining: 343ms
992: learn: 0.0314643    total: 42.6s  remaining: 300ms
993: learn: 0.0314218    total: 42.6s  remaining: 257ms

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houses_kaggle_competition_refined

994: learn: 0.0313721      total: 42.7s    remaining: 214ms
995: learn: 0.0313375      total: 42.7s    remaining: 171ms
996: learn: 0.0313278      total: 42.7s    remaining: 129ms
997: learn: 0.0313120      total: 42.7s    remaining: 85.7ms
998: learn: 0.0313102      total: 42.8s    remaining: 42.9ms
999: learn: 0.0312664      total: 42.9s    remaining: 0us

Learning rate set to 0.040511
0: learn: 0.3966479      total: 965ms   remaining: 16m 3s
1: learn: 0.3864163      total: 1.22s   remaining: 10m 9s
2: learn: 0.3764334      total: 1.33s   remaining: 7m 22s
3: learn: 0.3668156      total: 1.44s   remaining: 5m 59s
4: learn: 0.3580479      total: 1.55s   remaining: 5m 9s
5: learn: 0.3497196      total: 1.66s   remaining: 4m 35s
6: learn: 0.3413144      total: 1.72s   remaining: 4m 3s
7: learn: 0.3332333      total: 1.77s   remaining: 3m 39s
8: learn: 0.3253236      total: 1.86s   remaining: 3m 24s
9: learn: 0.3179396      total: 1.92s   remaining: 3m 9s
10: learn: 0.3112645     total: 2.03s   remaining: 3m 2s
11: learn: 0.3039758     total: 2.19s   remaining: 3m
12: learn: 0.2973175     total: 2.31s   remaining: 2m 55s
13: learn: 0.2906738     total: 2.49s   remaining: 2m 55s
14: learn: 0.2845592     total: 2.56s   remaining: 2m 48s
15: learn: 0.2790274     total: 2.62s   remaining: 2m 40s
16: learn: 0.2731886     total: 2.9s    remaining: 2m 47s
17: learn: 0.2679086     total: 3.18s   remaining: 2m 53s
18: learn: 0.2628768     total: 3.29s   remaining: 2m 49s
19: learn: 0.2577798     total: 3.3s    remaining: 2m 41s
20: learn: 0.2530566     total: 3.36s   remaining: 2m 36s
21: learn: 0.2483330     total: 3.37s   remaining: 2m 29s
22: learn: 0.2436828     total: 3.67s   remaining: 2m 35s
23: learn: 0.2391503     total: 4s      remaining: 2m 42s
24: learn: 0.2348153     total: 4.24s   remaining: 2m 45s
25: learn: 0.2302256     total: 4.36s   remaining: 2m 43s
26: learn: 0.2262556     total: 4.43s   remaining: 2m 39s
27: learn: 0.2224929     total: 4.64s   remaining: 2m 40s
28: learn: 0.2188157     total: 4.69s   remaining: 2m 37s
29: learn: 0.2150451     total: 4.78s   remaining: 2m 34s
30: learn: 0.2115885     total: 4.8s    remaining: 2m 30s
31: learn: 0.2085136     total: 4.82s   remaining: 2m 25s
32: learn: 0.2053642     total: 4.85s   remaining: 2m 22s
33: learn: 0.2022169     total: 4.95s   remaining: 2m 20s
34: learn: 0.1991440     total: 5s      remaining: 2m 17s
35: learn: 0.1965291     total: 5.05s   remaining: 2m 15s
36: learn: 0.1937929     total: 5.15s   remaining: 2m 13s
37: learn: 0.1910858     total: 5.26s   remaining: 2m 13s
38: learn: 0.1887743     total: 5.38s   remaining: 2m 12s
39: learn: 0.1866376     total: 5.42s   remaining: 2m 10s
40: learn: 0.1845594     total: 5.5s    remaining: 2m 8s
41: learn: 0.1826104     total: 5.58s   remaining: 2m 7s
42: learn: 0.1805727     total: 5.64s   remaining: 2m 5s
43: learn: 0.1785990     total: 5.73s   remaining: 2m 4s
44: learn: 0.1765696     total: 5.76s   remaining: 2m 2s
45: learn: 0.1748450     total: 5.82s   remaining: 2m
46: learn: 0.1730077     total: 5.91s   remaining: 1m 59s
47: learn: 0.1712510     total: 5.96s   remaining: 1m 58s
48: learn: 0.1694956     total: 6.06s   remaining: 1m 57s
49: learn: 0.1677965     total: 6.11s   remaining: 1m 56s
50: learn: 0.1661350     total: 6.12s   remaining: 1m 53s
51: learn: 0.1645366     total: 6.18s   remaining: 1m 52s
52: learn: 0.1629737     total: 6.22s   remaining: 1m 51s
53: learn: 0.1613376     total: 6.23s   remaining: 1m 49s
54: learn: 0.1597525     total: 6.28s   remaining: 1m 47s
55: learn: 0.1582288     total: 6.35s   remaining: 1m 47s
56: learn: 0.1567238     total: 6.46s   remaining: 1m 46s

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57: learn: 0.1553773    total: 6.5s    remaining: 1m 45s
58: learn: 0.1539962    total: 6.51s   remaining: 1m 43s
59: learn: 0.1529438    total: 6.63s   remaining: 1m 43s
60: learn: 0.1516667    total: 6.68s   remaining: 1m 42s
61: learn: 0.1503980    total: 6.87s   remaining: 1m 43s
62: learn: 0.1492994    total: 6.96s   remaining: 1m 43s
63: learn: 0.1481801    total: 7.04s   remaining: 1m 42s
64: learn: 0.1471063    total: 7.09s   remaining: 1m 41s
65: learn: 0.1434014    total: 4.85s   remaining: 1m 8s
66: learn: 0.1424655    total: 4.88s   remaining: 1m 7s
67: learn: 0.1414206    total: 4.95s   remaining: 1m 7s
68: learn: 0.1403423    total: 4.98s   remaining: 1m 7s
69: learn: 0.1391772    total: 5.02s   remaining: 1m 6s
70: learn: 0.1381404    total: 5.04s   remaining: 1m 5s
71: learn: 0.1372627    total: 5.07s   remaining: 1m 5s
72: learn: 0.1365097    total: 5.08s   remaining: 1m 4s
73: learn: 0.1356007    total: 5.1s    remaining: 1m 3s
74: learn: 0.1348128    total: 5.12s   remaining: 1m 3s
75: learn: 0.1339428    total: 5.17s   remaining: 1m 2s
76: learn: 0.1331337    total: 5.17s   remaining: 1m 2s
77: learn: 0.1323948    total: 5.18s   remaining: 1m 1s
78: learn: 0.1318060    total: 5.29s   remaining: 1m 1s
79: learn: 0.1311943    total: 5.29s   remaining: 1m
80: learn: 0.1304609    total: 5.29s   remaining: 1m
81: learn: 0.1297522    total: 5.3s    remaining: 59.3s
82: learn: 0.1290590    total: 5.35s   remaining: 59.1s
83: learn: 0.1283964    total: 5.35s   remaining: 58.4s
84: learn: 0.1276957    total: 5.47s   remaining: 58.9s
85: learn: 0.1271353    total: 5.56s   remaining: 59.1s
86: learn: 0.1264215    total: 5.62s   remaining: 59s
87: learn: 0.1256764    total: 5.65s   remaining: 58.6s
88: learn: 0.1250562    total: 5.66s   remaining: 57.9s
89: learn: 0.1243329    total: 5.74s   remaining: 58s
90: learn: 0.1237708    total: 5.76s   remaining: 57.6s
91: learn: 0.1232175    total: 5.78s   remaining: 57s
92: learn: 0.1225869    total: 5.84s   remaining: 56.9s
93: learn: 0.1220914    total: 5.89s   remaining: 56.8s
94: learn: 0.1216458    total: 6.03s   remaining: 57.4s
95: learn: 0.1209659    total: 6.05s   remaining: 57s
96: learn: 0.1205245    total: 6.08s   remaining: 56.6s
97: learn: 0.1199754    total: 6.1s    remaining: 56.2s
98: learn: 0.1192846    total: 6.22s   remaining: 56.6s
99: learn: 0.1188114    total: 6.25s   remaining: 56.3s
100: learn: 0.1184351   total: 6.33s   remaining: 56.4s
101: learn: 0.1177470   total: 6.35s   remaining: 55.9s
102: learn: 0.1172609   total: 6.43s   remaining: 56s
103: learn: 0.1168262   total: 6.48s   remaining: 55.8s
104: learn: 0.1163147   total: 6.54s   remaining: 55.8s
105: learn: 0.1159199   total: 6.57s   remaining: 55.4s
106: learn: 0.1155564   total: 6.61s   remaining: 55.2s
107: learn: 0.1150848   total: 6.65s   remaining: 54.9s
108: learn: 0.1146962   total: 6.7s    remaining: 54.8s
109: learn: 0.1143612   total: 6.78s   remaining: 54.8s
110: learn: 0.1139683   total: 6.85s   remaining: 54.9s
111: learn: 0.1136287   total: 6.93s   remaining: 54.9s
112: learn: 0.1132646   total: 6.98s   remaining: 54.8s
113: learn: 0.1128998   total: 7.03s   remaining: 54.7s
114: learn: 0.1125127   total: 7.05s   remaining: 54.3s
115: learn: 0.1121634   total: 7.06s   remaining: 53.8s
116: learn: 0.1117858   total: 7.07s   remaining: 53.3s
117: learn: 0.1113734   total: 7.18s   remaining: 53.6s
118: learn: 0.1108169   total: 7.24s   remaining: 53.6s
119: learn: 0.1105277   total: 7.27s   remaining: 53.3s
120: learn: 0.1101559   total: 7.3s    remaining: 53s

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121: learn: 0.1098033      total: 7.35s  remaining: 52.9s
122: learn: 0.1095206      total: 7.42s  remaining: 52.9s
123: learn: 0.1091298      total: 7.47s  remaining: 52.8s
124: learn: 0.1089092      total: 7.51s  remaining: 52.5s
125: learn: 0.1086977      total: 7.55s  remaining: 52.4s
126: learn: 0.1083562      total: 7.59s  remaining: 52.2s
127: learn: 0.1081382      total: 7.65s  remaining: 52.1s
128: learn: 0.1078468      total: 7.66s  remaining: 51.7s
129: learn: 0.1074913      total: 7.78s  remaining: 52.1s
130: learn: 0.1071679      total: 7.91s  remaining: 52.5s
131: learn: 0.1069270      total: 7.99s  remaining: 52.5s
132: learn: 0.1065533      total: 8.02s  remaining: 52.3s
133: learn: 0.1064380      total: 8.19s  remaining: 52.9s
134: learn: 0.1061863      total: 8.2s   remaining: 52.5s
135: learn: 0.1058690      total: 8.25s  remaining: 52.4s
136: learn: 0.1056261      total: 8.26s  remaining: 52.1s
137: learn: 0.1053848      total: 8.27s  remaining: 51.6s
138: learn: 0.1051633      total: 8.36s  remaining: 51.8s
139: learn: 0.1049776      total: 8.39s  remaining: 51.5s
140: learn: 0.1047323      total: 8.5s   remaining: 51.8s
141: learn: 0.1044829      total: 8.55s  remaining: 51.7s
142: learn: 0.1042342      total: 8.58s  remaining: 51.4s
143: learn: 0.1039900      total: 8.64s  remaining: 51.4s
144: learn: 0.1036660      total: 8.66s  remaining: 51s
145: learn: 0.1035470      total: 8.68s  remaining: 50.8s
146: learn: 0.1032303      total: 8.74s  remaining: 50.7s
147: learn: 0.1029900      total: 8.84s  remaining: 50.9s
148: learn: 0.1027896      total: 8.85s  remaining: 50.6s
149: learn: 0.1026179      total: 8.91s  remaining: 50.5s
150: learn: 0.1024131      total: 8.96s  remaining: 50.4s
151: learn: 0.1021911      total: 9.04s  remaining: 50.5s
152: learn: 0.1021500      total: 9.05s  remaining: 50.1s
153: learn: 0.1019606      total: 9.13s  remaining: 50.1s
154: learn: 0.1016703      total: 9.14s  remaining: 49.8s
155: learn: 0.1014797      total: 9.21s  remaining: 49.8s
156: learn: 0.1013552      total: 9.21s  remaining: 49.5s
157: learn: 0.1011027      total: 9.22s  remaining: 49.1s
158: learn: 0.1008934      total: 9.23s  remaining: 48.8s
159: learn: 0.1007972      total: 9.28s  remaining: 48.7s
160: learn: 0.1005157      total: 9.29s  remaining: 48.4s
161: learn: 0.1004614      total: 9.33s  remaining: 48.3s
162: learn: 0.1002402      total: 9.37s  remaining: 48.1s
163: learn: 0.1000594      total: 9.43s  remaining: 48.1s
164: learn: 0.0998408      total: 9.46s  remaining: 47.9s
165: learn: 0.0996186      total: 9.51s  remaining: 47.8s
166: learn: 0.0994192      total: 9.58s  remaining: 47.8s
167: learn: 0.0992779      total: 9.58s  remaining: 47.5s
168: learn: 0.0990450      total: 9.81s  remaining: 48.3s
169: learn: 0.0989156      total: 9.89s  remaining: 48.3s
170: learn: 0.0986573      total: 9.99s  remaining: 48.4s
171: learn: 0.0984141      total: 10s   remaining: 48.3s
172: learn: 0.0982204      total: 10.1s  remaining: 48.4s
173: learn: 0.0981413      total: 10.3s  remaining: 48.7s
174: learn: 0.0980875      total: 10.4s  remaining: 48.8s
175: learn: 0.0980350      total: 10.4s  remaining: 48.6s
176: learn: 0.0978240      total: 10.4s  remaining: 48.4s
177: learn: 0.0974143      total: 10.4s  remaining: 48.1s
178: learn: 0.0973091      total: 10.5s  remaining: 48.1s
179: learn: 0.0971261      total: 10.6s  remaining: 48.2s
180: learn: 0.0970695      total: 10.6s  remaining: 48.1s
181: learn: 0.0969093      total: 10.6s  remaining: 47.8s
182: learn: 0.0966942      total: 10.7s  remaining: 47.6s
183: learn: 0.0965488      total: 10.7s  remaining: 47.4s
184: learn: 0.0963492      total: 10.7s  remaining: 47.3s

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185: learn: 0.0961527    total: 10.9s   remaining: 47.7s
186: learn: 0.0959707    total: 10.9s   remaining: 47.6s
187: learn: 0.0958277    total: 10.9s   remaining: 47.3s
188: learn: 0.0956482    total: 11s     remaining: 47.1s
189: learn: 0.0954969    total: 11s     remaining: 47s
190: learn: 0.0953599    total: 11s     remaining: 46.8s
191: learn: 0.0951446    total: 11.1s   remaining: 46.6s
192: learn: 0.0950320    total: 11.1s   remaining: 46.4s
193: learn: 0.0948334    total: 11.2s   remaining: 46.5s
194: learn: 0.0946919    total: 11.2s   remaining: 46.3s
195: learn: 0.0946274    total: 11.2s   remaining: 46s
196: learn: 0.0944159    total: 11.2s   remaining: 45.8s
197: learn: 0.0941996    total: 11.2s   remaining: 45.5s
198: learn: 0.0941556    total: 11.3s   remaining: 45.5s
199: learn: 0.0939744    total: 11.3s   remaining: 45.3s
200: learn: 0.0936483    total: 11.4s   remaining: 45.4s
201: learn: 0.0934929    total: 11.4s   remaining: 45.1s
202: learn: 0.0933299    total: 11.4s   remaining: 44.9s
203: learn: 0.0932827    total: 11.5s   remaining: 44.8s
204: learn: 0.0931796    total: 11.5s   remaining: 44.6s
205: learn: 0.0930070    total: 11.5s   remaining: 44.5s
206: learn: 0.0929552    total: 11.6s   remaining: 44.5s
207: learn: 0.0928008    total: 11.6s   remaining: 44.2s
208: learn: 0.0927489    total: 11.6s   remaining: 44s
209: learn: 0.0925824    total: 11.7s   remaining: 44s
210: learn: 0.0924164    total: 11.7s   remaining: 43.8s
211: learn: 0.0922315    total: 11.7s   remaining: 43.6s
212: learn: 0.0921125    total: 11.7s   remaining: 43.3s
213: learn: 0.0919385    total: 11.7s   remaining: 43.1s
214: learn: 0.0918730    total: 11.8s   remaining: 42.9s
215: learn: 0.0917042    total: 11.8s   remaining: 42.7s
216: learn: 0.0916094    total: 11.8s   remaining: 42.5s
217: learn: 0.0914352    total: 11.8s   remaining: 42.3s
218: learn: 0.0913145    total: 11.8s   remaining: 42.1s
219: learn: 0.0911594    total: 11.8s   remaining: 41.9s
220: learn: 0.0909960    total: 11.8s   remaining: 41.6s
221: learn: 0.0909220    total: 11.8s   remaining: 41.4s
222: learn: 0.0907909    total: 11.8s   remaining: 41.2s
223: learn: 0.0906595    total: 11.8s   remaining: 40.9s
63:  learn: 0.1441124    total: 5.09s   remaining: 1m 14s
64:  learn: 0.1431375    total: 5.19s   remaining: 1m 14s
65:  learn: 0.1420797    total: 5.24s   remaining: 1m 14s
66:  learn: 0.1409624    total: 5.25s   remaining: 1m 13s
67:  learn: 0.1401189    total: 5.28s   remaining: 1m 12s
68:  learn: 0.1392241    total: 5.3s    remaining: 1m 11s
69:  learn: 0.1383512    total: 5.46s   remaining: 1m 12s
70:  learn: 0.1377195    total: 5.55s   remaining: 1m 12s
71:  learn: 0.1368802    total: 5.55s   remaining: 1m 11s
72:  learn: 0.1358870    total: 5.67s   remaining: 1m 12s
73:  learn: 0.1350139    total: 5.69s   remaining: 1m 11s
74:  learn: 0.1341663    total: 5.75s   remaining: 1m 10s
75:  learn: 0.1334016    total: 5.76s   remaining: 1m 10s
76:  learn: 0.1324389    total: 5.82s   remaining: 1m 9s
77:  learn: 0.1318323    total: 5.85s   remaining: 1m 9s
78:  learn: 0.1310951    total: 5.89s   remaining: 1m 8s
79:  learn: 0.1302531    total: 5.9s    remaining: 1m 7s
80:  learn: 0.1295278    total: 6s      remaining: 1m 8s
81:  learn: 0.1287898    total: 6.04s   remaining: 1m 7s
82:  learn: 0.1281391    total: 6.16s   remaining: 1m 8s
83:  learn: 0.1275963    total: 6.22s   remaining: 1m 7s
84:  learn: 0.1268719    total: 6.28s   remaining: 1m 7s
85:  learn: 0.1262739    total: 6.37s   remaining: 1m 7s
86:  learn: 0.1258183    total: 6.37s   remaining: 1m 6s
87:  learn: 0.1252106    total: 6.38s   remaining: 1m 6s

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88: learn: 0.1245917      total: 6.45s  remaining: 1m 6s
89: learn: 0.1239898      total: 6.5s   remaining: 1m 5s
90: learn: 0.1232903      total: 6.54s  remaining: 1m 5s
91: learn: 0.1228844      total: 6.61s  remaining: 1m 5s
92: learn: 0.1222268      total: 6.66s  remaining: 1m 4s
93: learn: 0.1215963      total: 6.7s   remaining: 1m 4s
94: learn: 0.1211969      total: 6.77s  remaining: 1m 4s
95: learn: 0.1206985      total: 6.83s  remaining: 1m 4s
96: learn: 0.1201636      total: 6.85s  remaining: 1m 3s
97: learn: 0.1195889      total: 6.93s  remaining: 1m 3s
98: learn: 0.1192063      total: 6.95s  remaining: 1m 3s
99: learn: 0.1187141      total: 7.01s  remaining: 1m 3s
100: learn: 0.1183045     total: 7.01s  remaining: 1m 2s
101: learn: 0.1178718     total: 7.04s  remaining: 1m 1s
102: learn: 0.1175403     total: 7.11s  remaining: 1m 1s
103: learn: 0.1170845     total: 7.14s  remaining: 1m 1s
104: learn: 0.1166471     total: 7.18s  remaining: 1m 1s
105: learn: 0.1162260     total: 7.2s   remaining: 1m
106: learn: 0.1158210     total: 7.21s  remaining: 1m
107: learn: 0.1154878     total: 7.21s  remaining: 59.6s
108: learn: 0.1151498     total: 7.25s  remaining: 59.3s
109: learn: 0.1148989     total: 7.3s   remaining: 59.1s
110: learn: 0.1145339     total: 7.33s  remaining: 58.7s
111: learn: 0.1142287     total: 7.45s  remaining: 59.1s
112: learn: 0.1138708     total: 7.49s  remaining: 58.8s
113: learn: 0.1134445     total: 7.59s  remaining: 59s
114: learn: 0.1130319     total: 7.62s  remaining: 58.6s
115: learn: 0.1128024     total: 7.71s  remaining: 58.8s
116: learn: 0.1125201     total: 7.76s  remaining: 58.6s
117: learn: 0.1121301     total: 7.87s  remaining: 58.8s
118: learn: 0.1117923     total: 7.91s  remaining: 58.6s
119: learn: 0.1113793     total: 7.94s  remaining: 58.3s
120: learn: 0.1109513     total: 8.06s  remaining: 58.5s
121: learn: 0.1105105     total: 8.14s  remaining: 58.6s
122: learn: 0.1101253     total: 8.2s   remaining: 58.5s
123: learn: 0.1098462     total: 8.22s  remaining: 58s
124: learn: 0.1094427     total: 8.24s  remaining: 57.7s
125: learn: 0.1090398     total: 8.28s  remaining: 57.4s
126: learn: 0.1087538     total: 8.31s  remaining: 57.1s
127: learn: 0.1084164     total: 8.34s  remaining: 56.8s
128: learn: 0.1081110     total: 8.37s  remaining: 56.5s
129: learn: 0.1077819     total: 8.43s  remaining: 56.4s
130: learn: 0.1074672     total: 8.46s  remaining: 56.1s
131: learn: 0.1070542     total: 8.53s  remaining: 56.1s
132: learn: 0.1065744     total: 8.57s  remaining: 55.9s
133: learn: 0.1063353     total: 8.64s  remaining: 55.8s
134: learn: 0.1060471     total: 8.74s  remaining: 56s
135: learn: 0.1057454     total: 8.79s  remaining: 55.9s
136: learn: 0.1054480     total: 8.87s  remaining: 55.9s
137: learn: 0.1052864     total: 8.95s  remaining: 55.9s
138: learn: 0.1049692     total: 9.05s  remaining: 56.1s
139: learn: 0.1047038     total: 9.1s   remaining: 55.9s
140: learn: 0.1044643     total: 9.12s  remaining: 55.5s
141: learn: 0.1041779     total: 9.18s  remaining: 55.5s
142: learn: 0.1039713     total: 9.2s   remaining: 55.1s
143: learn: 0.1037213     total: 9.24s  remaining: 54.9s
144: learn: 0.1035084     total: 9.25s  remaining: 54.5s
145: learn: 0.1032056     total: 9.25s  remaining: 54.1s
146: learn: 0.1029748     total: 9.32s  remaining: 54.1s
147: learn: 0.1028066     total: 9.39s  remaining: 54s
148: learn: 0.1025844     total: 9.46s  remaining: 54s
149: learn: 0.1022492     total: 9.47s  remaining: 53.7s
150: learn: 0.1019723     total: 9.52s  remaining: 53.5s
151: learn: 0.1016866     total: 9.61s  remaining: 53.6s

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152: learn: 0.1014647    total: 9.63s  remaining: 53.3s
153: learn: 0.1011587    total: 9.68s  remaining: 53.2s
154: learn: 0.1010003    total: 9.69s  remaining: 52.8s
155: learn: 0.1007565    total: 9.7s   remaining: 52.5s
156: learn: 0.1003924    total: 9.8s   remaining: 52.6s
157: learn: 0.1001380    total: 9.82s  remaining: 52.4s
158: learn: 0.0998623    total: 9.86s  remaining: 52.2s
159: learn: 0.0996451    total: 9.9s   remaining: 52s
160: learn: 0.0994313    total: 9.92s  remaining: 51.7s
161: learn: 0.0991841    total: 9.97s  remaining: 51.6s
162: learn: 0.0990017    total: 10s    remaining: 51.5s
163: learn: 0.0988459    total: 10s    remaining: 51.2s
164: learn: 0.0986138    total: 10.1s  remaining: 51s
165: learn: 0.0984487    total: 10.1s  remaining: 50.9s
166: learn: 0.0982585    total: 10.3s  remaining: 51.4s
167: learn: 0.0980358    total: 10.3s  remaining: 51.2s
168: learn: 0.0979020    total: 10.4s  remaining: 51.1s
169: learn: 0.0976616    total: 10.4s  remaining: 51s
170: learn: 0.0973994    total: 10.5s  remaining: 50.8s
171: learn: 0.0971356    total: 10.5s  remaining: 50.5s
172: learn: 0.0969578    total: 10.5s  remaining: 50.2s
173: learn: 0.0967979    total: 10.5s  remaining: 50.1s
174: learn: 0.0966110    total: 10.6s  remaining: 49.8s
175: learn: 0.0963939    total: 10.6s  remaining: 49.5s
176: learn: 0.0961896    total: 10.6s  remaining: 49.3s
177: learn: 0.0959464    total: 10.6s  remaining: 49.1s
178: learn: 0.0956870    total: 10.6s  remaining: 48.8s
179: learn: 0.0954935    total: 10.7s  remaining: 48.7s
180: learn: 0.0952759    total: 10.7s  remaining: 48.4s
181: learn: 0.0951051    total: 10.7s  remaining: 48.2s
182: learn: 0.0950052    total: 10.8s  remaining: 48.4s
183: learn: 0.0948153    total: 10.9s  remaining: 48.2s
184: learn: 0.0946217    total: 10.9s  remaining: 48.2s
185: learn: 0.0944387    total: 11s    remaining: 48.2s
186: learn: 0.0941635    total: 11s    remaining: 47.9s
187: learn: 0.0939701    total: 11s    remaining: 47.6s
188: learn: 0.0937269    total: 11.1s  remaining: 47.6s
189: learn: 0.0935001    total: 11.1s  remaining: 47.4s
190: learn: 0.0933150    total: 11.2s  remaining: 47.5s
191: learn: 0.0932486    total: 11.2s  remaining: 47.2s
192: learn: 0.0930904    total: 11.2s  remaining: 47s
193: learn: 0.0928863    total: 11.3s  remaining: 46.9s
194: learn: 0.0926998    total: 11.3s  remaining: 46.7s
195: learn: 0.0924811    total: 11.3s  remaining: 46.6s
196: learn: 0.0922689    total: 11.4s  remaining: 46.3s
197: learn: 0.0921276    total: 11.4s  remaining: 46s
198: learn: 0.0919681    total: 11.4s  remaining: 46.1s
199: learn: 0.0918499    total: 11.5s  remaining: 45.8s
200: learn: 0.0917071    total: 11.5s  remaining: 45.6s
201: learn: 0.0915279    total: 11.5s  remaining: 45.5s
202: learn: 0.0913336    total: 11.5s  remaining: 45.2s
203: learn: 0.0911513    total: 11.5s  remaining: 45.1s
204: learn: 0.0909968    total: 11.6s  remaining: 44.9s
205: learn: 0.0907222    total: 11.6s  remaining: 44.8s
206: learn: 0.0905280    total: 11.7s  remaining: 44.8s
207: learn: 0.0903042    total: 11.7s  remaining: 44.6s
208: learn: 0.0901612    total: 11.7s  remaining: 44.3s
209: learn: 0.0899657    total: 11.7s  remaining: 44.1s
210: learn: 0.0897911    total: 11.8s  remaining: 43.9s
211: learn: 0.0896087    total: 11.8s  remaining: 43.7s
212: learn: 0.0894868    total: 11.8s  remaining: 43.5s
213: learn: 0.0893265    total: 11.8s  remaining: 43.4s
214: learn: 0.0891749    total: 11.8s  remaining: 43.2s
215: learn: 0.0890474    total: 11.8s  remaining: 43s

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216: learn: 0.0888398    total: 11.9s   remaining: 42.9s
217: learn: 0.0886426    total: 11.9s   remaining: 42.7s
218: learn: 0.0884995    total: 11.9s   remaining: 42.4s
219: learn: 0.0884164    total: 12s     remaining: 42.4s
220: learn: 0.0882597    total: 12s     remaining: 42.3s
221: learn: 0.0880278    total: 12s     remaining: 42.1s
7:   learn: 0.3193078    total: 2.02s   remaining: 4m 10s
8:   learn: 0.3119626    total: 2.16s   remaining: 3m 57s
9:   learn: 0.3044899    total: 2.22s   remaining: 3m 39s
10:  learn: 0.2981470    total: 2.25s   remaining: 3m 22s
11:  learn: 0.2917913    total: 2.32s   remaining: 3m 11s
12:  learn: 0.2851982    total: 2.41s   remaining: 3m 3s
13:  learn: 0.2787562    total: 2.44s   remaining: 2m 51s
14:  learn: 0.2728231    total: 2.48s   remaining: 2m 42s
15:  learn: 0.2670336    total: 2.6s    remaining: 2m 39s
16:  learn: 0.2615991    total: 2.63s   remaining: 2m 32s
17:  learn: 0.2564555    total: 2.65s   remaining: 2m 24s
18:  learn: 0.2514126    total: 2.75s   remaining: 2m 22s
19:  learn: 0.2467137    total: 2.76s   remaining: 2m 15s
20:  learn: 0.2415785    total: 2.83s   remaining: 2m 11s
21:  learn: 0.2369859    total: 3.07s   remaining: 2m 16s
22:  learn: 0.2331673    total: 3.09s   remaining: 2m 11s
23:  learn: 0.2290471    total: 3.18s   remaining: 2m 9s
24:  learn: 0.2254154    total: 3.23s   remaining: 2m 6s
25:  learn: 0.2210634    total: 3.32s   remaining: 2m 4s
26:  learn: 0.2170446    total: 3.45s   remaining: 2m 4s
27:  learn: 0.2137761    total: 3.47s   remaining: 2m
28:  learn: 0.2101549    total: 3.49s   remaining: 1m 56s
29:  learn: 0.2067821    total: 3.59s   remaining: 1m 56s
30:  learn: 0.2031869    total: 3.64s   remaining: 1m 53s
31:  learn: 0.2002213    total: 3.65s   remaining: 1m 50s
32:  learn: 0.1972281    total: 3.68s   remaining: 1m 47s
33:  learn: 0.1941182    total: 3.73s   remaining: 1m 45s
34:  learn: 0.1913115    total: 3.81s   remaining: 1m 45s
35:  learn: 0.1884211    total: 3.89s   remaining: 1m 44s
36:  learn: 0.1856908    total: 3.95s   remaining: 1m 42s
37:  learn: 0.1830678    total: 4.06s   remaining: 1m 42s
38:  learn: 0.1808311    total: 4.2s    remaining: 1m 43s
39:  learn: 0.1785231    total: 4.69s   remaining: 1m 52s
40:  learn: 0.1759300    total: 4.75s   remaining: 1m 51s
41:  learn: 0.1735307    total: 4.86s   remaining: 1m 50s
42:  learn: 0.1710340    total: 5.04s   remaining: 1m 52s
43:  learn: 0.1688511    total: 5.1s    remaining: 1m 50s
44:  learn: 0.1668144    total: 5.15s   remaining: 1m 49s
45:  learn: 0.1646473    total: 5.18s   remaining: 1m 47s
46:  learn: 0.1623829    total: 5.2s    remaining: 1m 45s
47:  learn: 0.1604799    total: 5.22s   remaining: 1m 43s
48:  learn: 0.1585430    total: 5.23s   remaining: 1m 41s
49:  learn: 0.1567395    total: 5.32s   remaining: 1m 41s
50:  learn: 0.1551127    total: 5.35s   remaining: 1m 39s
51:  learn: 0.1534187    total: 5.4s    remaining: 1m 38s
52:  learn: 0.1519723    total: 5.48s   remaining: 1m 37s
53:  learn: 0.1505428    total: 5.6s    remaining: 1m 38s
54:  learn: 0.1491656    total: 5.72s   remaining: 1m 38s
55:  learn: 0.1476575    total: 5.76s   remaining: 1m 37s
56:  learn: 0.1463471    total: 5.8s    remaining: 1m 35s
57:  learn: 0.1448882    total: 5.82s   remaining: 1m 34s
58:  learn: 0.1436800    total: 5.84s   remaining: 1m 33s
59:  learn: 0.1424573    total: 5.88s   remaining: 1m 32s
60:  learn: 0.1412089    total: 5.93s   remaining: 1m 31s
61:  learn: 0.1399827    total: 5.93s   remaining: 1m 29s
62:  learn: 0.1388123    total: 5.95s   remaining: 1m 28s
63:  learn: 0.1376092    total: 5.96s   remaining: 1m 27s
64:  learn: 0.1367199    total: 6.01s   remaining: 1m 26s

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65: learn: 0.1357792      total: 6.08s  remaining: 1m 26s
66: learn: 0.1349260      total: 6.18s  remaining: 1m 26s
67: learn: 0.1340613      total: 6.23s  remaining: 1m 25s
68: learn: 0.1329887      total: 6.29s  remaining: 1m 24s
69: learn: 0.1321102      total: 6.38s  remaining: 1m 24s
70: learn: 0.1311877      total: 6.4s   remaining: 1m 23s
71: learn: 0.1302989      total: 6.45s  remaining: 1m 23s
72: learn: 0.1292941      total: 6.5s   remaining: 1m 22s
73: learn: 0.1284291      total: 6.55s  remaining: 1m 21s
74: learn: 0.1275123      total: 6.58s  remaining: 1m 21s
75: learn: 0.1268812      total: 6.61s  remaining: 1m 20s
76: learn: 0.1260346      total: 6.63s  remaining: 1m 19s
77: learn: 0.1251797      total: 6.63s  remaining: 1m 18s
78: learn: 0.1243973      total: 6.64s  remaining: 1m 17s
79: learn: 0.1238129      total: 6.65s  remaining: 1m 16s
80: learn: 0.1232047      total: 6.67s  remaining: 1m 15s
81: learn: 0.1224476      total: 6.68s  remaining: 1m 14s
82: learn: 0.1217551      total: 6.69s  remaining: 1m 13s
83: learn: 0.1212544      total: 6.73s  remaining: 1m 13s
84: learn: 0.1206090      total: 6.73s  remaining: 1m 12s
85: learn: 0.1201013      total: 6.86s  remaining: 1m 12s
86: learn: 0.1195976      total: 6.94s  remaining: 1m 12s
87: learn: 0.1189873      total: 7s    remaining: 1m 12s
88: learn: 0.1184302      total: 7.01s  remaining: 1m 11s
89: learn: 0.1177339      total: 7.07s  remaining: 1m 11s
90: learn: 0.1171347      total: 7.08s  remaining: 1m 10s
91: learn: 0.1166700      total: 7.09s  remaining: 1m 9s
92: learn: 0.1162185      total: 7.12s  remaining: 1m 9s
93: learn: 0.1156775      total: 7.13s  remaining: 1m 8s
94: learn: 0.1151842      total: 7.16s  remaining: 1m 8s
95: learn: 0.1147288      total: 7.24s  remaining: 1m 8s
96: learn: 0.1142485      total: 7.24s  remaining: 1m 7s
97: learn: 0.1138201      total: 7.34s  remaining: 1m 7s
98: learn: 0.1134304      total: 7.34s  remaining: 1m 6s
99: learn: 0.1130157      total: 7.38s  remaining: 1m 6s
100: learn: 0.1125685      total: 7.39s  remaining: 1m 5s
101: learn: 0.1121738      total: 7.45s  remaining: 1m 5s
102: learn: 0.1115602      total: 7.47s  remaining: 1m 5s
103: learn: 0.1110042      total: 7.54s  remaining: 1m 4s
104: learn: 0.1107418      total: 7.54s  remaining: 1m 4s
105: learn: 0.1103588      total: 7.55s  remaining: 1m 3s
106: learn: 0.1098412      total: 7.59s  remaining: 1m 3s
107: learn: 0.1093940      total: 7.63s  remaining: 1m 2s
108: learn: 0.1089802      total: 7.63s  remaining: 1m 2s
109: learn: 0.1086670      total: 7.66s  remaining: 1m 1s
110: learn: 0.1082024      total: 7.74s  remaining: 1m 1s
111: learn: 0.1078012      total: 7.74s  remaining: 1m 1s
112: learn: 0.1074840      total: 7.75s  remaining: 1m
113: learn: 0.1069996      total: 7.75s  remaining: 1m
114: learn: 0.1065589      total: 7.75s  remaining: 59.7s
115: learn: 0.1063198      total: 7.76s  remaining: 59.1s
116: learn: 0.1059001      total: 7.79s  remaining: 58.8s
117: learn: 0.1055313      total: 7.79s  remaining: 58.2s
118: learn: 0.1051719      total: 7.8s   remaining: 57.7s
119: learn: 0.1048905      total: 7.81s  remaining: 57.3s
120: learn: 0.1045422      total: 7.82s  remaining: 56.8s
121: learn: 0.1042624      total: 7.82s  remaining: 56.3s
122: learn: 0.1039211      total: 7.83s  remaining: 55.8s
123: learn: 0.1034382      total: 7.91s  remaining: 55.9s
124: learn: 0.1031281      total: 7.94s  remaining: 55.6s
125: learn: 0.1027956      total: 7.96s  remaining: 55.3s
126: learn: 0.1024507      total: 7.97s  remaining: 54.8s
127: learn: 0.1020967      total: 7.98s  remaining: 54.4s
128: learn: 0.1018106      total: 8.06s  remaining: 54.4s

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129: learn: 0.1015028    total: 8.1s    remaining: 54.2s
130: learn: 0.1011202    total: 8.1s    remaining: 53.7s
131: learn: 0.1007694    total: 8.23s   remaining: 54.1s
132: learn: 0.1004818    total: 8.23s   remaining: 53.7s
133: learn: 0.1001822    total: 8.24s   remaining: 53.2s
134: learn: 0.0999234    total: 8.27s   remaining: 53s
135: learn: 0.0996055    total: 8.29s   remaining: 52.7s
136: learn: 0.0992803    total: 8.33s   remaining: 52.5s
137: learn: 0.0989891    total: 8.36s   remaining: 52.2s
138: learn: 0.0986119    total: 8.41s   remaining: 52.1s
139: learn: 0.0983884    total: 8.5s    remaining: 52.2s
140: learn: 0.0981669    total: 8.59s   remaining: 52.4s
141: learn: 0.0979427    total: 8.69s   remaining: 52.5s
142: learn: 0.0977438    total: 8.75s   remaining: 52.5s
143: learn: 0.0974708    total: 8.76s   remaining: 52.1s
144: learn: 0.0972318    total: 8.96s   remaining: 52.8s
145: learn: 0.0970754    total: 8.99s   remaining: 52.6s
146: learn: 0.0967708    total: 9.02s   remaining: 52.4s
147: learn: 0.0963964    total: 9.07s   remaining: 52.2s
148: learn: 0.0962363    total: 9.09s   remaining: 51.9s
149: learn: 0.0959926    total: 9.1s    remaining: 51.6s
150: learn: 0.0957786    total: 9.12s   remaining: 51.3s
151: learn: 0.0955220    total: 9.15s   remaining: 51.1s
152: learn: 0.0952439    total: 9.18s   remaining: 50.8s
153: learn: 0.0949399    total: 9.22s   remaining: 50.6s
154: learn: 0.0947782    total: 9.25s   remaining: 50.4s
155: learn: 0.0945157    total: 9.34s   remaining: 50.5s
156: learn: 0.0943731    total: 9.38s   remaining: 50.4s
157: learn: 0.0941302    total: 9.4s    remaining: 50.1s
158: learn: 0.0939108    total: 9.41s   remaining: 49.8s
159: learn: 0.0937246    total: 9.42s   remaining: 49.5s
160: learn: 0.0935150    total: 9.47s   remaining: 49.3s
161: learn: 0.0932592    total: 9.5s    remaining: 49.2s
162: learn: 0.0929626    total: 9.61s   remaining: 49.3s
163: learn: 0.0928326    total: 9.67s   remaining: 49.3s
164: learn: 0.0926305    total: 9.68s   remaining: 49s
61:  learn: 0.1494277    total: 4.53s   remaining: 1m 8s
62:  learn: 0.1482499    total: 4.58s   remaining: 1m 8s
63:  learn: 0.1471598    total: 4.61s   remaining: 1m 7s
64:  learn: 0.1459473    total: 4.63s   remaining: 1m 6s
65:  learn: 0.1450456    total: 4.68s   remaining: 1m 6s
66:  learn: 0.1441754    total: 4.74s   remaining: 1m 6s
67:  learn: 0.1431094    total: 4.76s   remaining: 1m 5s
68:  learn: 0.1418992    total: 4.84s   remaining: 1m 5s
69:  learn: 0.1409462    total: 4.87s   remaining: 1m 4s
70:  learn: 0.1398967    total: 4.9s    remaining: 1m 4s
71:  learn: 0.1389424    total: 4.92s   remaining: 1m 3s
72:  learn: 0.1381772    total: 4.95s   remaining: 1m 2s
73:  learn: 0.1372803    total: 4.99s   remaining: 1m 2s
74:  learn: 0.1364944    total: 5s     remaining: 1m 1s
75:  learn: 0.1356680    total: 5.02s   remaining: 1m 1s
76:  learn: 0.1348568    total: 5.07s   remaining: 1m
77:  learn: 0.1341467    total: 5.08s   remaining: 1m
78:  learn: 0.1332782    total: 5.16s   remaining: 1m
79:  learn: 0.1326176    total: 5.23s   remaining: 1m
80:  learn: 0.1319737    total: 5.24s   remaining: 59.4s
81:  learn: 0.1313487    total: 5.26s   remaining: 58.9s
82:  learn: 0.1306316    total: 5.29s   remaining: 58.5s
83:  learn: 0.1300272    total: 5.41s   remaining: 59s
84:  learn: 0.1294487    total: 5.41s   remaining: 58.3s
85:  learn: 0.1288535    total: 5.44s   remaining: 57.8s
86:  learn: 0.1282135    total: 5.49s   remaining: 57.6s
87:  learn: 0.1276468    total: 5.5s    remaining: 57.1s
88:  learn: 0.1269763    total: 5.51s   remaining: 56.5s

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89: learn: 0.1263331    total: 5.53s  remaining: 56s
90: learn: 0.1258130    total: 5.54s  remaining: 55.3s
91: learn: 0.1252237    total: 5.61s  remaining: 55.3s
92: learn: 0.1247910    total: 5.65s  remaining: 55.1s
93: learn: 0.1242631    total: 5.66s  remaining: 54.6s
94: learn: 0.1236622    total: 5.74s  remaining: 54.7s
95: learn: 0.1231565    total: 5.77s  remaining: 54.3s
96: learn: 0.1226498    total: 5.81s  remaining: 54.1s
97: learn: 0.1222364    total: 5.9s   remaining: 54.3s
98: learn: 0.1217930    total: 5.92s  remaining: 53.8s
99: learn: 0.1212276    total: 5.96s  remaining: 53.7s
100: learn: 0.1206726   total: 5.98s  remaining: 53.2s
101: learn: 0.1203209   total: 6.03s  remaining: 53.1s
102: learn: 0.1198753   total: 6.04s  remaining: 52.6s
103: learn: 0.1193026   total: 6.06s  remaining: 52.2s
104: learn: 0.1187955   total: 6.13s  remaining: 52.3s
105: learn: 0.1183454   total: 6.15s  remaining: 51.9s
106: learn: 0.1178130   total: 6.18s  remaining: 51.6s
107: learn: 0.1174707   total: 6.21s  remaining: 51.3s
108: learn: 0.1169808   total: 6.29s  remaining: 51.4s
109: learn: 0.1165940   total: 6.31s  remaining: 51.1s
110: learn: 0.1162707   total: 6.35s  remaining: 50.8s
111: learn: 0.1158702   total: 6.39s  remaining: 50.6s
112: learn: 0.1154927   total: 6.41s  remaining: 50.3s
113: learn: 0.1150277   total: 6.48s  remaining: 50.4s
114: learn: 0.1147820   total: 6.56s  remaining: 50.5s
115: learn: 0.1145224   total: 6.67s  remaining: 50.9s
116: learn: 0.1142040   total: 6.74s  remaining: 50.9s
117: learn: 0.1137620   total: 6.83s  remaining: 51s
118: learn: 0.1134121   total: 6.85s  remaining: 50.7s
119: learn: 0.1130603   total: 6.87s  remaining: 50.4s
120: learn: 0.1125641   total: 6.92s  remaining: 50.3s
121: learn: 0.1121733   total: 6.97s  remaining: 50.2s
122: learn: 0.1119763   total: 7.03s  remaining: 50.1s
123: learn: 0.1116936   total: 7.09s  remaining: 50.1s
124: learn: 0.1113813   total: 7.26s  remaining: 50.8s
125: learn: 0.1110158   total: 7.31s  remaining: 50.7s
126: learn: 0.1106985   total: 7.4s   remaining: 50.9s
127: learn: 0.1104640   total: 7.46s  remaining: 50.8s
128: learn: 0.1101395   total: 7.86s  remaining: 53s
129: learn: 0.1099811   total: 7.99s  remaining: 53.5s
130: learn: 0.1097118   total: 8.05s  remaining: 53.4s
131: learn: 0.1094154   total: 8.12s  remaining: 53.4s
132: learn: 0.1091782   total: 8.17s  remaining: 53.2s
133: learn: 0.1089389   total: 8.26s  remaining: 53.4s
134: learn: 0.1086726   total: 8.32s  remaining: 53.3s
135: learn: 0.1084276   total: 8.44s  remaining: 53.6s
136: learn: 0.1080977   total: 8.53s  remaining: 53.7s
137: learn: 0.1079820   total: 8.6s   remaining: 53.7s
138: learn: 0.1077193   total: 8.74s  remaining: 54.1s
139: learn: 0.1073480   total: 8.79s  remaining: 54s
140: learn: 0.1070788   total: 8.84s  remaining: 53.9s
141: learn: 0.1068655   total: 8.88s  remaining: 53.7s
142: learn: 0.1066378   total: 8.93s  remaining: 53.5s
143: learn: 0.1063804   total: 8.96s  remaining: 53.2s
144: learn: 0.1061148   total: 9.3s   remaining: 54.8s
145: learn: 0.1059011   total: 9.37s  remaining: 54.8s
146: learn: 0.1056937   total: 9.45s  remaining: 54.8s
147: learn: 0.1054655   total: 9.62s  remaining: 55.4s
148: learn: 0.1052695   total: 9.72s  remaining: 55.5s
149: learn: 0.1051054   total: 9.74s  remaining: 55.2s
150: learn: 0.1048778   total: 9.92s  remaining: 55.8s
151: learn: 0.1046562   total: 10.1s  remaining: 56.3s
152: learn: 0.1043911   total: 10.1s  remaining: 56.1s

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153: learn: 0.1041141    total: 10.2s  remaining: 55.9s
154: learn: 0.1039458    total: 10.2s  remaining: 55.8s
155: learn: 0.1037535    total: 10.2s  remaining: 55.4s
156: learn: 0.1036586    total: 10.3s  remaining: 55.4s
157: learn: 0.1034559    total: 10.4s  remaining: 55.7s
158: learn: 0.1032467    total: 10.5s  remaining: 55.3s
159: learn: 0.1030316    total: 10.5s  remaining: 54.9s
160: learn: 0.1028215    total: 10.5s  remaining: 54.5s
161: learn: 0.1026151    total: 10.6s  remaining: 55s
162: learn: 0.1024669    total: 10.8s  remaining: 55.2s
163: learn: 0.1022395    total: 10.9s  remaining: 55.5s
164: learn: 0.1020247    total: 11.1s  remaining: 55.9s
165: learn: 0.1018107    total: 11.1s  remaining: 55.6s
166: learn: 0.1015295    total: 11.1s  remaining: 55.3s
167: learn: 0.1013321    total: 11.1s  remaining: 55.1s
168: learn: 0.1011071    total: 11.5s  remaining: 56.3s
169: learn: 0.1009320    total: 11.6s  remaining: 56.7s
170: learn: 0.1008356    total: 11.6s  remaining: 56.3s
171: learn: 0.1005517    total: 11.6s  remaining: 56s
172: learn: 0.1003545    total: 11.7s  remaining: 56s
173: learn: 0.1001525    total: 11.7s  remaining: 55.6s
174: learn: 0.1000453    total: 11.8s  remaining: 55.4s
175: learn: 0.0999023    total: 11.8s  remaining: 55.1s
176: learn: 0.0997249    total: 12.3s  remaining: 57.3s
177: learn: 0.0995424    total: 12.6s  remaining: 58s
178: learn: 0.0993460    total: 12.6s  remaining: 57.7s
179: learn: 0.0991696    total: 12.6s  remaining: 57.5s
180: learn: 0.0989639    total: 12.7s  remaining: 57.3s
181: learn: 0.0987898    total: 12.7s  remaining: 57.3s
182: learn: 0.0986029    total: 12.8s  remaining: 57s
183: learn: 0.0985283    total: 12.8s  remaining: 56.7s
184: learn: 0.0982971    total: 12.8s  remaining: 56.5s
185: learn: 0.0981620    total: 12.9s  remaining: 56.2s
186: learn: 0.0980303    total: 12.9s  remaining: 56.2s
187: learn: 0.0978281    total: 12.9s  remaining: 55.9s
188: learn: 0.0976484    total: 13s   remaining: 55.7s
189: learn: 0.0973619    total: 13s   remaining: 55.6s
190: learn: 0.0971462    total: 13.1s  remaining: 55.3s
191: learn: 0.0969503    total: 13.1s  remaining: 55.3s
192: learn: 0.0967477    total: 13.2s  remaining: 55.1s
193: learn: 0.0965162    total: 13.2s  remaining: 55s
194: learn: 0.0963201    total: 13.3s  remaining: 54.8s
195: learn: 0.0961925    total: 13.3s  remaining: 54.6s
196: learn: 0.0959975    total: 13.4s  remaining: 54.6s
197: learn: 0.0959333    total: 13.5s  remaining: 54.6s
198: learn: 0.0958403    total: 13.6s  remaining: 54.7s
199: learn: 0.0957351    total: 13.7s  remaining: 54.6s
200: learn: 0.0955642    total: 13.7s  remaining: 54.6s
201: learn: 0.0953550    total: 13.8s  remaining: 54.5s
202: learn: 0.0952320    total: 13.8s  remaining: 54.3s
203: learn: 0.0950355    total: 13.9s  remaining: 54.1s
204: learn: 0.0949606    total: 13.9s  remaining: 53.8s
205: learn: 0.0948033    total: 14s   remaining: 53.9s
206: learn: 0.0946341    total: 14s   remaining: 53.6s
207: learn: 0.0944872    total: 14s   remaining: 53.3s
208: learn: 0.0942713    total: 14s   remaining: 53.1s
209: learn: 0.0940809    total: 14.1s  remaining: 53.1s
210: learn: 0.0939381    total: 14.1s  remaining: 52.8s
211: learn: 0.0937301    total: 14.1s  remaining: 52.5s
212: learn: 0.0935639    total: 14.1s  remaining: 52.2s
213: learn: 0.0934456    total: 14.1s  remaining: 52s
214: learn: 0.0933645    total: 14.2s  remaining: 51.7s
215: learn: 0.0932615    total: 14.2s  remaining: 51.5s
216: learn: 0.0930727    total: 14.2s  remaining: 51.2s

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217: learn: 0.0929673    total: 14.3s  remaining: 51.3s
218: learn: 0.0929076    total: 14.3s  remaining: 51.1s
219: learn: 0.0927636    total: 14.4s  remaining: 50.9s
65:  learn: 0.1461311    total: 7.26s  remaining: 1m 42s
66:  learn: 0.1449373    total: 7.43s  remaining: 1m 43s
67:  learn: 0.1439731    total: 7.45s  remaining: 1m 42s
68:  learn: 0.1430509    total: 7.46s  remaining: 1m 40s
69:  learn: 0.1423178    total: 7.5s   remaining: 1m 39s
70:  learn: 0.1413980    total: 7.5s   remaining: 1m 38s
71:  learn: 0.1406918    total: 7.56s  remaining: 1m 37s
72:  learn: 0.1397435    total: 7.6s   remaining: 1m 36s
73:  learn: 0.1388843    total: 7.74s  remaining: 1m 36s
74:  learn: 0.1381064    total: 7.87s  remaining: 1m 37s
75:  learn: 0.1375138    total: 7.88s  remaining: 1m 35s
76:  learn: 0.1366913    total: 7.95s  remaining: 1m 35s
77:  learn: 0.1358944    total: 7.96s  remaining: 1m 34s
78:  learn: 0.1352044    total: 7.97s  remaining: 1m 32s
79:  learn: 0.1345272    total: 7.99s  remaining: 1m 31s
80:  learn: 0.1337765    total: 8s    remaining: 1m 30s
81:  learn: 0.1330500    total: 8.07s  remaining: 1m 30s
82:  learn: 0.1325083    total: 8.09s  remaining: 1m 29s
83:  learn: 0.1319191    total: 8.13s  remaining: 1m 28s
84:  learn: 0.1312087    total: 8.15s  remaining: 1m 27s
85:  learn: 0.1307690    total: 8.18s  remaining: 1m 26s
86:  learn: 0.1301721    total: 8.21s  remaining: 1m 26s
87:  learn: 0.1294314    total: 8.23s  remaining: 1m 25s
88:  learn: 0.1288816    total: 8.26s  remaining: 1m 24s
89:  learn: 0.1283339    total: 8.29s  remaining: 1m 23s
90:  learn: 0.1277559    total: 8.49s  remaining: 1m 24s
91:  learn: 0.1270093    total: 8.54s  remaining: 1m 24s
92:  learn: 0.1264979    total: 8.59s  remaining: 1m 23s
93:  learn: 0.1259853    total: 8.67s  remaining: 1m 23s
94:  learn: 0.1254326    total: 8.79s  remaining: 1m 23s
95:  learn: 0.1247147    total: 8.84s  remaining: 1m 23s
96:  learn: 0.1241522    total: 8.93s  remaining: 1m 23s
97:  learn: 0.1236414    total: 8.98s  remaining: 1m 22s
98:  learn: 0.1230406    total: 9.06s  remaining: 1m 22s
99:  learn: 0.1225742    total: 9.12s  remaining: 1m 22s
100: learn: 0.1221970   total: 9.16s  remaining: 1m 21s
101: learn: 0.1217276   total: 9.17s  remaining: 1m 20s
102: learn: 0.1213626   total: 9.24s  remaining: 1m 20s
103: learn: 0.1208391   total: 9.27s  remaining: 1m 19s
104: learn: 0.1204967   total: 9.32s  remaining: 1m 19s
105: learn: 0.1199077   total: 9.35s  remaining: 1m 18s
106: learn: 0.1194138   total: 9.48s  remaining: 1m 19s
107: learn: 0.1190034   total: 9.51s  remaining: 1m 18s
108: learn: 0.1187257   total: 9.64s  remaining: 1m 18s
109: learn: 0.1181423   total: 9.66s  remaining: 1m 18s
110: learn: 0.1176967   total: 9.74s  remaining: 1m 17s
111: learn: 0.1172055   total: 9.81s  remaining: 1m 17s
112: learn: 0.1168767   total: 9.82s  remaining: 1m 17s
113: learn: 0.1164878   total: 9.86s  remaining: 1m 16s
114: learn: 0.1161490   total: 9.9s   remaining: 1m 16s
115: learn: 0.1157887   total: 9.91s  remaining: 1m 15s
116: learn: 0.1154071   total: 9.94s  remaining: 1m 15s
117: learn: 0.1150541   total: 9.95s  remaining: 1m 14s
118: learn: 0.1147364   total: 10s   remaining: 1m 14s
119: learn: 0.1144592   total: 10.2s  remaining: 1m 14s
120: learn: 0.1141650   total: 10.2s  remaining: 1m 14s
121: learn: 0.1137618   total: 10.4s  remaining: 1m 14s
122: learn: 0.1135131   total: 10.5s  remaining: 1m 14s
123: learn: 0.1131455   total: 10.5s  remaining: 1m 13s
124: learn: 0.1128262   total: 10.5s  remaining: 1m 13s
125: learn: 0.1125020   total: 10.5s  remaining: 1m 13s

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126: learn: 0.1120371    total: 10.6s  remaining: 1m 12s
127: learn: 0.1117147    total: 10.6s  remaining: 1m 12s
128: learn: 0.1113345    total: 10.7s  remaining: 1m 11s
129: learn: 0.1111629    total: 10.7s  remaining: 1m 11s
130: learn: 0.1109536    total: 10.8s  remaining: 1m 11s
131: learn: 0.1104725    total: 10.8s  remaining: 1m 11s
132: learn: 0.1101805    total: 10.9s  remaining: 1m 10s
133: learn: 0.1098729    total: 10.9s  remaining: 1m 10s
134: learn: 0.1094868    total: 10.9s  remaining: 1m 9s
135: learn: 0.1091288    total: 10.9s  remaining: 1m 9s
136: learn: 0.1088823    total: 11s   remaining: 1m 9s
137: learn: 0.1086160    total: 11s   remaining: 1m 8s
138: learn: 0.1082794    total: 11s   remaining: 1m 8s
139: learn: 0.1080305    total: 11.1s  remaining: 1m 7s
140: learn: 0.1076507    total: 11.2s  remaining: 1m 8s
141: learn: 0.1074584    total: 11.2s  remaining: 1m 7s
142: learn: 0.1074113    total: 11.3s  remaining: 1m 8s
143: learn: 0.1072132    total: 11.5s  remaining: 1m 8s
144: learn: 0.1067545    total: 11.5s  remaining: 1m 7s
145: learn: 0.1064953    total: 11.5s  remaining: 1m 7s
146: learn: 0.1062267    total: 11.6s  remaining: 1m 7s
147: learn: 0.1060215    total: 11.7s  remaining: 1m 7s
148: learn: 0.1058106    total: 11.8s  remaining: 1m 7s
149: learn: 0.1054695    total: 11.8s  remaining: 1m 7s
150: learn: 0.1051834    total: 11.9s  remaining: 1m 6s
151: learn: 0.1049899    total: 11.9s  remaining: 1m 6s
152: learn: 0.1047301    total: 11.9s  remaining: 1m 5s
153: learn: 0.1044958    total: 12s   remaining: 1m 6s
154: learn: 0.1042621    total: 12.1s  remaining: 1m 5s
155: learn: 0.1040499    total: 12.1s  remaining: 1m 5s
156: learn: 0.1039012    total: 12.1s  remaining: 1m 5s
157: learn: 0.1034845    total: 12.2s  remaining: 1m 4s
158: learn: 0.1031732    total: 12.2s  remaining: 1m 4s
159: learn: 0.1029551    total: 12.3s  remaining: 1m 4s
160: learn: 0.1027526    total: 12.3s  remaining: 1m 4s
161: learn: 0.1025524    total: 12.4s  remaining: 1m 3s
162: learn: 0.1023603    total: 12.5s  remaining: 1m 4s
163: learn: 0.1022748    total: 12.5s  remaining: 1m 3s
164: learn: 0.1021223    total: 12.6s  remaining: 1m 3s
165: learn: 0.1018463    total: 12.6s  remaining: 1m 3s
166: learn: 0.1015729    total: 12.7s  remaining: 1m 3s
167: learn: 0.1012479    total: 12.7s  remaining: 1m 3s
168: learn: 0.1010885    total: 12.8s  remaining: 1m 2s
169: learn: 0.1008544    total: 12.8s  remaining: 1m 2s
170: learn: 0.1006817    total: 12.9s  remaining: 1m 2s
171: learn: 0.1004071    total: 12.9s  remaining: 1m 2s
172: learn: 0.1002523    total: 13s   remaining: 1m 2s
173: learn: 0.1000852    total: 13s   remaining: 1m 1s
174: learn: 0.0998696    total: 13.1s  remaining: 1m 1s
175: learn: 0.0996562    total: 13.1s  remaining: 1m 1s
176: learn: 0.0993251    total: 13.1s  remaining: 1m
177: learn: 0.0991408    total: 13.1s  remaining: 1m
178: learn: 0.0986297    total: 13.2s  remaining: 1m
179: learn: 0.0985163    total: 13.2s  remaining: 60s
180: learn: 0.0983833    total: 13.2s  remaining: 59.7s
181: learn: 0.0982785    total: 13.2s  remaining: 59.4s
182: learn: 0.0978919    total: 13.2s  remaining: 59.1s
183: learn: 0.0977635    total: 13.3s  remaining: 58.9s
184: learn: 0.0975758    total: 13.3s  remaining: 58.6s
185: learn: 0.0973860    total: 13.3s  remaining: 58.4s
186: learn: 0.0972370    total: 13.4s  remaining: 58.4s
187: learn: 0.0970858    total: 13.4s  remaining: 58.1s
188: learn: 0.0968759    total: 13.5s  remaining: 58.1s
189: learn: 0.0967235    total: 13.5s  remaining: 57.7s

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190: learn: 0.0965006    total: 13.5s  remaining: 57.4s
191: learn: 0.0964098    total: 13.5s  remaining: 57s
192: learn: 0.0963240    total: 13.5s  remaining: 56.7s
193: learn: 0.0961156    total: 13.6s  remaining: 56.4s
194: learn: 0.0959834    total: 13.6s  remaining: 56.2s
195: learn: 0.0955873    total: 13.7s  remaining: 56.1s
196: learn: 0.0953785    total: 13.7s  remaining: 55.7s
197: learn: 0.0951826    total: 13.7s  remaining: 55.6s
198: learn: 0.0950578    total: 13.8s  remaining: 55.4s
199: learn: 0.0948673    total: 13.8s  remaining: 55.4s
200: learn: 0.0946731    total: 13.9s  remaining: 55.2s
201: learn: 0.0945135    total: 13.9s  remaining: 54.9s
202: learn: 0.0944039    total: 13.9s  remaining: 54.8s
203: learn: 0.0942962    total: 14s    remaining: 54.6s
204: learn: 0.0941455    total: 14s    remaining: 54.3s
205: learn: 0.0940338    total: 14s    remaining: 54.1s
206: learn: 0.0939221    total: 14s    remaining: 53.8s
207: learn: 0.0937397    total: 14.1s   remaining: 53.6s
208: learn: 0.0935912    total: 14.1s   remaining: 53.3s
209: learn: 0.0933829    total: 14.2s   remaining: 53.3s
210: learn: 0.0931040    total: 14.3s   remaining: 53.6s
211: learn: 0.0928937    total: 14.4s   remaining: 53.4s
212: learn: 0.0928328    total: 14.4s   remaining: 53.4s
213: learn: 0.0927520    total: 14.6s   remaining: 53.5s
214: learn: 0.0925220    total: 14.6s   remaining: 53.2s
215: learn: 0.0923447    total: 14.7s   remaining: 53.4s
216: learn: 0.0921284    total: 14.9s   remaining: 53.7s
217: learn: 0.0920517    total: 15s    remaining: 53.9s
218: learn: 0.0918007    total: 15s    remaining: 53.7s
219: learn: 0.0915525    total: 15s    remaining: 53.4s
220: learn: 0.0914529    total: 15.1s   remaining: 53.3s
221: learn: 0.0913611    total: 15.1s   remaining: 53.1s
224: learn: 0.0905378    total: 11.8s   remaining: 40.7s
225: learn: 0.0904849    total: 11.8s   remaining: 40.5s
226: learn: 0.0903004    total: 11.8s   remaining: 40.3s
227: learn: 0.0901594    total: 11.8s   remaining: 40.1s
228: learn: 0.0900994    total: 11.9s   remaining: 39.9s
229: learn: 0.0900120    total: 11.9s   remaining: 39.8s
230: learn: 0.0898264    total: 11.9s   remaining: 39.7s
231: learn: 0.0897039    total: 11.9s   remaining: 39.5s
232: learn: 0.0896599    total: 12s    remaining: 39.3s
233: learn: 0.0894529    total: 12s    remaining: 39.1s
234: learn: 0.0892330    total: 12s    remaining: 38.9s
235: learn: 0.0889911    total: 12s    remaining: 38.7s
236: learn: 0.0889093    total: 12s    remaining: 38.6s
237: learn: 0.0887163    total: 12s    remaining: 38.4s
238: learn: 0.0885189    total: 12s    remaining: 38.2s
239: learn: 0.0883366    total: 12s    remaining: 38.1s
240: learn: 0.0882110    total: 12.1s   remaining: 38.2s
241: learn: 0.0880303    total: 12.1s   remaining: 38s
242: learn: 0.0878382    total: 12.2s   remaining: 37.9s
243: learn: 0.0876672    total: 12.2s   remaining: 37.7s
244: learn: 0.0875310    total: 12.2s   remaining: 37.7s
245: learn: 0.0873680    total: 12.2s   remaining: 37.5s
246: learn: 0.0871751    total: 12.2s   remaining: 37.3s
247: learn: 0.0870745    total: 12.3s   remaining: 37.4s
248: learn: 0.0870405    total: 12.4s   remaining: 37.5s
249: learn: 0.0868971    total: 12.5s   remaining: 37.6s
250: learn: 0.0867564    total: 12.6s   remaining: 37.5s
251: learn: 0.0866302    total: 12.6s   remaining: 37.4s
252: learn: 0.0864261    total: 12.7s   remaining: 37.4s
253: learn: 0.0863939    total: 12.7s   remaining: 37.3s
254: learn: 0.0862896    total: 12.7s   remaining: 37.2s
255: learn: 0.0860164    total: 12.8s   remaining: 37.1s

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256: learn: 0.0859434    total: 12.9s  remaining: 37.2s
257: learn: 0.0857855    total: 13.1s  remaining: 37.6s
258: learn: 0.0857186    total: 13.2s  remaining: 37.9s
259: learn: 0.0855961    total: 13.4s  remaining: 38.2s
260: learn: 0.0854678    total: 13.5s  remaining: 38.3s
261: learn: 0.0854374    total: 13.6s  remaining: 38.3s
262: learn: 0.0854045    total: 13.7s  remaining: 38.5s
263: learn: 0.0853761    total: 13.8s  remaining: 38.5s
264: learn: 0.0851701    total: 13.8s  remaining: 38.4s
265: learn: 0.0850853    total: 13.9s  remaining: 38.2s
266: learn: 0.0849989    total: 13.9s  remaining: 38.2s
267: learn: 0.0849717    total: 13.9s  remaining: 38s
268: learn: 0.0848142    total: 14s    remaining: 38s
269: learn: 0.0846223    total: 14s    remaining: 37.9s
270: learn: 0.0844565    total: 14.1s  remaining: 37.9s
271: learn: 0.0844278    total: 14.2s  remaining: 37.9s
272: learn: 0.0843989    total: 14.2s  remaining: 37.8s
273: learn: 0.0842261    total: 14.2s  remaining: 37.7s
274: learn: 0.0840743    total: 14.3s  remaining: 37.6s
275: learn: 0.0838453    total: 14.4s  remaining: 37.7s
276: learn: 0.0835384    total: 14.4s  remaining: 37.5s
277: learn: 0.0833560    total: 14.4s  remaining: 37.4s
278: learn: 0.0831543    total: 14.4s  remaining: 37.2s
279: learn: 0.0831188    total: 14.4s  remaining: 37.1s
280: learn: 0.0830922    total: 14.5s  remaining: 37.1s
281: learn: 0.0828788    total: 14.5s  remaining: 37s
282: learn: 0.0827363    total: 14.6s  remaining: 36.9s
283: learn: 0.0825950    total: 14.6s  remaining: 36.8s
284: learn: 0.0824478    total: 14.6s  remaining: 36.6s
285: learn: 0.0823448    total: 14.6s  remaining: 36.5s
286: learn: 0.0823161    total: 14.6s  remaining: 36.4s
287: learn: 0.0820626    total: 14.7s  remaining: 36.3s
288: learn: 0.0818872    total: 14.7s  remaining: 36.2s
289: learn: 0.0817319    total: 14.7s  remaining: 36s
290: learn: 0.0815741    total: 14.9s  remaining: 36.2s
291: learn: 0.0815499    total: 14.9s  remaining: 36.1s
292: learn: 0.0814611    total: 14.9s  remaining: 36s
293: learn: 0.0812794    total: 14.9s  remaining: 35.9s
294: learn: 0.0812611    total: 15s    remaining: 35.8s
295: learn: 0.0812432    total: 15.1s  remaining: 35.9s
296: learn: 0.0810556    total: 15.1s  remaining: 35.8s
297: learn: 0.0808825    total: 15.2s  remaining: 35.7s
298: learn: 0.0807518    total: 15.2s  remaining: 35.5s
299: learn: 0.0805830    total: 15.2s  remaining: 35.5s
300: learn: 0.0803996    total: 15.2s  remaining: 35.4s
301: learn: 0.0803011    total: 15.2s  remaining: 35.2s
302: learn: 0.0801947    total: 15.2s  remaining: 35.1s
303: learn: 0.0800912    total: 15.3s  remaining: 34.9s
304: learn: 0.0799257    total: 15.3s  remaining: 34.8s
305: learn: 0.0797596    total: 15.3s  remaining: 34.8s
306: learn: 0.0796612    total: 15.4s  remaining: 34.7s
307: learn: 0.0794444    total: 15.4s  remaining: 34.6s
308: learn: 0.0794252    total: 15.5s  remaining: 34.8s
309: learn: 0.0793400    total: 15.8s  remaining: 35.1s
310: learn: 0.0792221    total: 15.9s  remaining: 35.2s
311: learn: 0.0790366    total: 16s    remaining: 35.3s
312: learn: 0.0788353    total: 16.1s  remaining: 35.3s
313: learn: 0.0787157    total: 16.1s  remaining: 35.2s
314: learn: 0.0786002    total: 16.1s  remaining: 35s
315: learn: 0.0784351    total: 16.2s  remaining: 35s
316: learn: 0.0783108    total: 16.2s  remaining: 34.9s
317: learn: 0.0781401    total: 16.2s  remaining: 34.8s
318: learn: 0.0779291    total: 16.3s  remaining: 34.7s
319: learn: 0.0777959    total: 16.3s  remaining: 34.6s

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320:	learn: 0.0777552	total: 16.3s	remaining: 34.6s
321:	learn: 0.0776352	total: 16.5s	remaining: 34.7s
322:	learn: 0.0774892	total: 16.5s	remaining: 34.7s
323:	learn: 0.0773164	total: 16.7s	remaining: 34.8s
324:	learn: 0.0771789	total: 16.7s	remaining: 34.7s
325:	learn: 0.0769498	total: 16.8s	remaining: 34.7s
326:	learn: 0.0768448	total: 16.8s	remaining: 34.6s
327:	learn: 0.0767143	total: 16.9s	remaining: 34.6s
328:	learn: 0.0765551	total: 16.9s	remaining: 34.5s
329:	learn: 0.0764587	total: 16.9s	remaining: 34.4s
330:	learn: 0.0763871	total: 17s	remaining: 34.4s
331:	learn: 0.0762719	total: 17s	remaining: 34.3s
332:	learn: 0.0760515	total: 17.1s	remaining: 34.3s
333:	learn: 0.0759495	total: 17.1s	remaining: 34.2s
334:	learn: 0.0758059	total: 17.2s	remaining: 34.2s
335:	learn: 0.0757877	total: 17.4s	remaining: 34.3s
336:	learn: 0.0757713	total: 17.5s	remaining: 34.4s
337:	learn: 0.0756990	total: 17.5s	remaining: 34.3s
338:	learn: 0.0755795	total: 17.5s	remaining: 34.2s
339:	learn: 0.0755625	total: 17.6s	remaining: 34.1s
340:	learn: 0.0754357	total: 17.6s	remaining: 34.1s
341:	learn: 0.0753542	total: 17.7s	remaining: 34s
342:	learn: 0.0752882	total: 17.7s	remaining: 33.9s
343:	learn: 0.0751772	total: 17.7s	remaining: 33.8s
344:	learn: 0.0749880	total: 17.7s	remaining: 33.7s
345:	learn: 0.0748430	total: 17.8s	remaining: 33.6s
346:	learn: 0.0747422	total: 17.8s	remaining: 33.6s
347:	learn: 0.0746028	total: 17.9s	remaining: 33.5s
348:	learn: 0.0744634	total: 17.9s	remaining: 33.3s
349:	learn: 0.0743606	total: 17.9s	remaining: 33.3s
350:	learn: 0.0743261	total: 17.9s	remaining: 33.2s
351:	learn: 0.0741588	total: 18s	remaining: 33.1s
352:	learn: 0.0740715	total: 18.1s	remaining: 33.1s
353:	learn: 0.0739639	total: 18.1s	remaining: 33s
354:	learn: 0.0737499	total: 18.1s	remaining: 32.9s
355:	learn: 0.0736320	total: 18.1s	remaining: 32.8s
356:	learn: 0.0734703	total: 18.2s	remaining: 32.7s
357:	learn: 0.0732629	total: 18.2s	remaining: 32.7s
358:	learn: 0.0732460	total: 18.3s	remaining: 32.6s
359:	learn: 0.0731562	total: 18.3s	remaining: 32.5s
360:	learn: 0.0730354	total: 18.4s	remaining: 32.6s
361:	learn: 0.0728839	total: 18.4s	remaining: 32.5s
362:	learn: 0.0728674	total: 18.4s	remaining: 32.4s
363:	learn: 0.0727715	total: 18.5s	remaining: 32.3s
364:	learn: 0.0726639	total: 18.5s	remaining: 32.2s
365:	learn: 0.0724876	total: 18.5s	remaining: 32.1s
366:	learn: 0.0723892	total: 18.6s	remaining: 32.1s
367:	learn: 0.0721141	total: 18.7s	remaining: 32s
368:	learn: 0.0719929	total: 18.7s	remaining: 32s
369:	learn: 0.0718890	total: 18.7s	remaining: 31.9s
370:	learn: 0.0718237	total: 18.7s	remaining: 31.8s
371:	learn: 0.0716713	total: 18.8s	remaining: 31.7s
372:	learn: 0.0715860	total: 18.9s	remaining: 31.7s
373:	learn: 0.0715703	total: 18.9s	remaining: 31.6s
374:	learn: 0.0713009	total: 18.9s	remaining: 31.6s
375:	learn: 0.0711697	total: 19s	remaining: 31.5s
376:	learn: 0.0709776	total: 19s	remaining: 31.4s
377:	learn: 0.0708816	total: 19s	remaining: 31.3s
378:	learn: 0.0708008	total: 19s	remaining: 31.2s
379:	learn: 0.0706038	total: 19s	remaining: 31.1s
380:	learn: 0.0705316	total: 19.1s	remaining: 31s
381:	learn: 0.0704077	total: 19.1s	remaining: 30.9s
222:	learn: 0.0878386	total: 12s	remaining: 41.8s
223:	learn: 0.0876710	total: 12s	remaining: 41.7s

224:	learn: 0.0874506	total: 12s	remaining: 41.5s
225:	learn: 0.0873018	total: 12.1s	remaining: 41.3s
226:	learn: 0.0872158	total: 12.1s	remaining: 41.1s
227:	learn: 0.0870682	total: 12.1s	remaining: 40.9s
228:	learn: 0.0869171	total: 12.2s	remaining: 41s
229:	learn: 0.0867522	total: 12.2s	remaining: 40.9s
230:	learn: 0.0866158	total: 12.2s	remaining: 40.8s
231:	learn: 0.0864678	total: 12.3s	remaining: 40.6s
232:	learn: 0.0863014	total: 12.3s	remaining: 40.6s
233:	learn: 0.0861611	total: 12.4s	remaining: 40.7s
234:	learn: 0.0858783	total: 12.5s	remaining: 40.5s
235:	learn: 0.0857907	total: 12.5s	remaining: 40.3s
236:	learn: 0.0856679	total: 12.5s	remaining: 40.3s
237:	learn: 0.0856032	total: 12.5s	remaining: 40.1s
238:	learn: 0.0854595	total: 12.6s	remaining: 40.2s
239:	learn: 0.0852989	total: 12.6s	remaining: 40s
240:	learn: 0.0850752	total: 12.7s	remaining: 39.9s
241:	learn: 0.0849188	total: 12.7s	remaining: 39.9s
242:	learn: 0.0848172	total: 12.8s	remaining: 39.8s
243:	learn: 0.0846195	total: 12.8s	remaining: 39.7s
244:	learn: 0.0843456	total: 12.8s	remaining: 39.6s
245:	learn: 0.0841845	total: 12.9s	remaining: 39.5s
246:	learn: 0.0840123	total: 12.9s	remaining: 39.3s
247:	learn: 0.0838055	total: 13s	remaining: 39.3s
248:	learn: 0.0836995	total: 13s	remaining: 39.2s
249:	learn: 0.0834462	total: 13.1s	remaining: 39.3s
250:	learn: 0.0832074	total: 13.2s	remaining: 39.4s
251:	learn: 0.0830429	total: 13.2s	remaining: 39.3s
252:	learn: 0.0828280	total: 13.3s	remaining: 39.3s
253:	learn: 0.0827001	total: 13.3s	remaining: 39.1s
254:	learn: 0.0825406	total: 13.4s	remaining: 39s
255:	learn: 0.0824159	total: 13.4s	remaining: 39s
256:	learn: 0.0821913	total: 13.4s	remaining: 38.8s
257:	learn: 0.0820755	total: 13.8s	remaining: 39.5s
258:	learn: 0.0819133	total: 13.8s	remaining: 39.5s
259:	learn: 0.0818370	total: 14s	remaining: 39.7s
260:	learn: 0.0817623	total: 14.2s	remaining: 40.2s
261:	learn: 0.0815826	total: 14.2s	remaining: 40s
262:	learn: 0.0813535	total: 14.5s	remaining: 40.6s
263:	learn: 0.0812907	total: 14.5s	remaining: 40.4s
264:	learn: 0.0811178	total: 14.6s	remaining: 40.4s
265:	learn: 0.0810320	total: 14.6s	remaining: 40.2s
266:	learn: 0.0808960	total: 14.6s	remaining: 40s
267:	learn: 0.0808491	total: 14.6s	remaining: 39.9s
268:	learn: 0.0807937	total: 14.6s	remaining: 39.7s
269:	learn: 0.0807064	total: 14.6s	remaining: 39.5s
270:	learn: 0.0806388	total: 14.6s	remaining: 39.4s
271:	learn: 0.0805882	total: 14.6s	remaining: 39.2s
272:	learn: 0.0805327	total: 14.8s	remaining: 39.5s
273:	learn: 0.0804894	total: 14.9s	remaining: 39.5s
274:	learn: 0.0803262	total: 14.9s	remaining: 39.4s
275:	learn: 0.0801278	total: 15s	remaining: 39.3s
276:	learn: 0.0800192	total: 15s	remaining: 39.1s
277:	learn: 0.0798304	total: 15s	remaining: 38.9s
278:	learn: 0.0797365	total: 15s	remaining: 38.8s
279:	learn: 0.0795959	total: 15.1s	remaining: 38.7s
280:	learn: 0.0794735	total: 15.1s	remaining: 38.6s
281:	learn: 0.0794002	total: 15.1s	remaining: 38.5s
282:	learn: 0.0791366	total: 15.1s	remaining: 38.3s
283:	learn: 0.0789754	total: 15.2s	remaining: 38.2s
284:	learn: 0.0788117	total: 15.2s	remaining: 38.1s
285:	learn: 0.0785937	total: 15.3s	remaining: 38.1s
286:	learn: 0.0783541	total: 15.3s	remaining: 37.9s
287:	learn: 0.0782032	total: 15.3s	remaining: 37.8s

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288: learn: 0.0780113    total: 15.3s  remaining: 37.7s
289: learn: 0.0778320    total: 15.5s  remaining: 37.8s
290: learn: 0.0776821    total: 15.5s  remaining: 37.9s
291: learn: 0.0775290    total: 15.5s  remaining: 37.7s
292: learn: 0.0773717    total: 15.6s  remaining: 37.6s
293: learn: 0.0773296    total: 15.7s  remaining: 37.6s
294: learn: 0.0772072    total: 15.7s  remaining: 37.5s
295: learn: 0.0771128    total: 15.7s  remaining: 37.4s
296: learn: 0.0769435    total: 15.8s  remaining: 37.4s
297: learn: 0.0768461    total: 15.9s  remaining: 37.4s
298: learn: 0.0767034    total: 15.9s  remaining: 37.4s
299: learn: 0.0766044    total: 16.1s  remaining: 37.6s
300: learn: 0.0764500    total: 16.1s  remaining: 37.5s
301: learn: 0.0763244    total: 16.2s  remaining: 37.4s
302: learn: 0.0761906    total: 16.3s  remaining: 37.5s
303: learn: 0.0761664    total: 16.4s  remaining: 37.5s
304: learn: 0.0761399    total: 16.4s  remaining: 37.4s
305: learn: 0.0759862    total: 16.4s  remaining: 37.2s
306: learn: 0.0758338    total: 16.5s  remaining: 37.2s
307: learn: 0.0756429    total: 16.5s  remaining: 37.1s
308: learn: 0.0755564    total: 16.6s  remaining: 37.1s
309: learn: 0.0754269    total: 16.7s  remaining: 37.1s
310: learn: 0.0752740    total: 16.8s  remaining: 37.1s
311: learn: 0.0751087    total: 16.8s  remaining: 37.1s
312: learn: 0.0749367    total: 16.9s  remaining: 37.2s
313: learn: 0.0747555    total: 17s    remaining: 37.1s
314: learn: 0.0746192    total: 17s    remaining: 37s
315: learn: 0.0744674    total: 17.1s  remaining: 37s
316: learn: 0.0742592    total: 17.2s  remaining: 37s
317: learn: 0.0741365    total: 17.2s  remaining: 37s
318: learn: 0.0739907    total: 17.3s  remaining: 36.9s
319: learn: 0.0739057    total: 17.4s  remaining: 36.9s
320: learn: 0.0738745    total: 17.4s  remaining: 36.8s
321: learn: 0.0736864    total: 17.4s  remaining: 36.7s
322: learn: 0.0735536    total: 17.4s  remaining: 36.6s
323: learn: 0.0734373    total: 17.5s  remaining: 36.5s
324: learn: 0.0733292    total: 17.5s  remaining: 36.3s
325: learn: 0.0731223    total: 17.6s  remaining: 36.3s
326: learn: 0.0728981    total: 17.6s  remaining: 36.2s
327: learn: 0.0727290    total: 17.6s  remaining: 36.1s
328: learn: 0.0726366    total: 17.6s  remaining: 36s
329: learn: 0.0724783    total: 17.7s  remaining: 35.9s
330: learn: 0.0722525    total: 17.7s  remaining: 35.8s
331: learn: 0.0721858    total: 17.8s  remaining: 35.8s
332: learn: 0.0719946    total: 17.8s  remaining: 35.7s
333: learn: 0.0718667    total: 17.9s  remaining: 35.7s
334: learn: 0.0717608    total: 18s    remaining: 35.7s
335: learn: 0.0716303    total: 18s    remaining: 35.5s
336: learn: 0.0714665    total: 18s    remaining: 35.5s
337: learn: 0.0713215    total: 18s    remaining: 35.3s
338: learn: 0.0712025    total: 18.2s  remaining: 35.4s
339: learn: 0.0710655    total: 18.2s  remaining: 35.3s
340: learn: 0.0709026    total: 18.2s  remaining: 35.2s
341: learn: 0.0707747    total: 18.2s  remaining: 35s
342: learn: 0.0706425    total: 18.2s  remaining: 34.9s
343: learn: 0.0705658    total: 18.3s  remaining: 34.9s
344: learn: 0.0705229    total: 18.3s  remaining: 34.7s
345: learn: 0.0703258    total: 18.3s  remaining: 34.6s
346: learn: 0.0701849    total: 18.4s  remaining: 34.6s
347: learn: 0.0700304    total: 18.5s  remaining: 34.6s
348: learn: 0.0699202    total: 18.6s  remaining: 34.6s
349: learn: 0.0697985    total: 18.6s  remaining: 34.6s
350: learn: 0.0696900    total: 18.8s  remaining: 34.7s
351: learn: 0.0696319    total: 18.8s  remaining: 34.6s

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352:	learn: 0.0693930	total: 18.9s	remaining: 34.6s
353:	learn: 0.0692662	total: 18.9s	remaining: 34.5s
354:	learn: 0.0691390	total: 18.9s	remaining: 34.4s
355:	learn: 0.0689960	total: 19s	remaining: 34.3s
356:	learn: 0.0688454	total: 19.1s	remaining: 34.3s
357:	learn: 0.0686937	total: 19.1s	remaining: 34.3s
358:	learn: 0.0686189	total: 19.3s	remaining: 34.5s
359:	learn: 0.0685266	total: 19.5s	remaining: 34.6s
360:	learn: 0.0683778	total: 19.5s	remaining: 34.5s
361:	learn: 0.0682866	total: 19.7s	remaining: 34.7s
362:	learn: 0.0681425	total: 19.7s	remaining: 34.6s
363:	learn: 0.0680769	total: 19.7s	remaining: 34.5s
364:	learn: 0.0679428	total: 19.8s	remaining: 34.4s
365:	learn: 0.0678168	total: 19.8s	remaining: 34.3s
366:	learn: 0.0677113	total: 19.8s	remaining: 34.2s
367:	learn: 0.0675726	total: 19.9s	remaining: 34.1s
368:	learn: 0.0674018	total: 19.9s	remaining: 34.1s
369:	learn: 0.0672791	total: 20s	remaining: 34s
370:	learn: 0.0671807	total: 20.1s	remaining: 34s
371:	learn: 0.0670488	total: 20.1s	remaining: 33.9s
372:	learn: 0.0669491	total: 20.1s	remaining: 33.8s
373:	learn: 0.0667763	total: 20.1s	remaining: 33.7s
374:	learn: 0.0666746	total: 20.1s	remaining: 33.6s
375:	learn: 0.0665486	total: 20.2s	remaining: 33.5s
376:	learn: 0.0665331	total: 20.2s	remaining: 33.4s
377:	learn: 0.0664034	total: 20.2s	remaining: 33.3s
378:	learn: 0.0662934	total: 20.2s	remaining: 33.2s
379:	learn: 0.0661809	total: 20.3s	remaining: 33.1s
165:	learn: 0.0924474	total: 9.71s	remaining: 48.8s
166:	learn: 0.0922287	total: 9.85s	remaining: 49.2s
167:	learn: 0.0920125	total: 9.89s	remaining: 49s
168:	learn: 0.0917638	total: 9.9s	remaining: 48.7s
169:	learn: 0.0915136	total: 9.91s	remaining: 48.4s
170:	learn: 0.0913545	total: 9.94s	remaining: 48.2s
171:	learn: 0.0912157	total: 9.95s	remaining: 47.9s
172:	learn: 0.0909753	total: 10.1s	remaining: 48.1s
173:	learn: 0.0908598	total: 10.1s	remaining: 48s
174:	learn: 0.0907394	total: 10.1s	remaining: 47.7s
175:	learn: 0.0905921	total: 10.2s	remaining: 47.7s
176:	learn: 0.0903630	total: 10.2s	remaining: 47.4s
177:	learn: 0.0901794	total: 10.2s	remaining: 47.1s
178:	learn: 0.0900068	total: 10.2s	remaining: 47s
179:	learn: 0.0897458	total: 10.3s	remaining: 46.7s
180:	learn: 0.0895893	total: 10.3s	remaining: 46.7s
181:	learn: 0.0894585	total: 10.3s	remaining: 46.5s
182:	learn: 0.0892674	total: 10.3s	remaining: 46.2s
183:	learn: 0.0891469	total: 10.6s	remaining: 47.1s
184:	learn: 0.0889037	total: 10.7s	remaining: 47.2s
185:	learn: 0.0886867	total: 10.7s	remaining: 46.9s
186:	learn: 0.0884985	total: 10.8s	remaining: 46.8s
187:	learn: 0.0883457	total: 10.8s	remaining: 46.5s
188:	learn: 0.0881088	total: 10.8s	remaining: 46.4s
189:	learn: 0.0879307	total: 10.8s	remaining: 46.1s
190:	learn: 0.0877604	total: 10.8s	remaining: 45.8s
191:	learn: 0.0875922	total: 10.9s	remaining: 45.8s
192:	learn: 0.0873595	total: 10.9s	remaining: 45.5s
193:	learn: 0.0871334	total: 10.9s	remaining: 45.2s
194:	learn: 0.0868646	total: 10.9s	remaining: 45s
195:	learn: 0.0866205	total: 11s	remaining: 44.9s
196:	learn: 0.0864721	total: 11s	remaining: 44.9s
197:	learn: 0.0863753	total: 11s	remaining: 44.7s
198:	learn: 0.0861243	total: 11.1s	remaining: 44.5s
199:	learn: 0.0859668	total: 11.1s	remaining: 44.2s
200:	learn: 0.0857983	total: 11.1s	remaining: 44.1s

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201: learn: 0.0856280    total: 11.1s  remaining: 44s
202: learn: 0.0854150    total: 11.1s  remaining: 43.8s
203: learn: 0.0851605    total: 11.1s  remaining: 43.5s
204: learn: 0.0849406    total: 11.2s  remaining: 43.3s
205: learn: 0.0847071    total: 11.2s  remaining: 43s
206: learn: 0.0845342    total: 11.2s  remaining: 42.9s
207: learn: 0.0843302    total: 11.2s  remaining: 42.6s
208: learn: 0.0841168    total: 11.2s  remaining: 42.4s
209: learn: 0.0840226    total: 11.2s  remaining: 42.2s
210: learn: 0.0838595    total: 11.2s  remaining: 42s
211: learn: 0.0836803    total: 11.2s  remaining: 41.8s
212: learn: 0.0834512    total: 11.2s  remaining: 41.5s
213: learn: 0.0832913    total: 11.2s  remaining: 41.3s
214: learn: 0.0831115    total: 11.2s  remaining: 41.1s
215: learn: 0.0829364    total: 11.3s  remaining: 41s
216: learn: 0.0827165    total: 11.3s  remaining: 40.8s
217: learn: 0.0825437    total: 11.3s  remaining: 40.6s
218: learn: 0.0823597    total: 11.3s  remaining: 40.4s
219: learn: 0.0821995    total: 11.3s  remaining: 40.2s
220: learn: 0.0819446    total: 11.4s  remaining: 40.2s
221: learn: 0.0817953    total: 11.4s  remaining: 40s
222: learn: 0.0816500    total: 11.4s  remaining: 39.8s
223: learn: 0.0815171    total: 11.4s  remaining: 39.6s
224: learn: 0.0813235    total: 11.5s  remaining: 39.5s
225: learn: 0.0811997    total: 11.5s  remaining: 39.3s
226: learn: 0.0810184    total: 11.5s  remaining: 39.1s
227: learn: 0.0808716    total: 11.5s  remaining: 39s
228: learn: 0.0806946    total: 11.6s  remaining: 39s
229: learn: 0.0805708    total: 11.8s  remaining: 39.4s
230: learn: 0.0803659    total: 11.8s  remaining: 39.1s
231: learn: 0.0801756    total: 11.8s  remaining: 39s
232: learn: 0.0799989    total: 11.8s  remaining: 38.9s
233: learn: 0.0798701    total: 11.9s  remaining: 38.9s
234: learn: 0.0796694    total: 11.9s  remaining: 38.9s
235: learn: 0.0795054    total: 12s   remaining: 38.9s
236: learn: 0.0793138    total: 12.1s  remaining: 38.9s
237: learn: 0.0790683    total: 12.3s  remaining: 39.2s
238: learn: 0.0789173    total: 12.3s  remaining: 39.3s
239: learn: 0.0787238    total: 12.4s  remaining: 39.2s
240: learn: 0.0785925    total: 12.4s  remaining: 39.1s
241: learn: 0.0784433    total: 12.6s  remaining: 39.4s
242: learn: 0.0782867    total: 12.6s  remaining: 39.3s
243: learn: 0.0781509    total: 12.7s  remaining: 39.3s
244: learn: 0.0780356    total: 12.7s  remaining: 39.2s
245: learn: 0.0779367    total: 12.8s  remaining: 39.2s
246: learn: 0.0777717    total: 12.9s  remaining: 39.2s
247: learn: 0.0776775    total: 12.9s  remaining: 39.1s
248: learn: 0.0774944    total: 12.9s  remaining: 39.1s
249: learn: 0.0773330    total: 13s   remaining: 38.9s
250: learn: 0.0771746    total: 13s   remaining: 38.8s
251: learn: 0.0770537    total: 13.1s  remaining: 39s
252: learn: 0.0770302    total: 13.2s  remaining: 38.9s
253: learn: 0.0768862    total: 13.3s  remaining: 39s
254: learn: 0.0767935    total: 13.3s  remaining: 38.8s
255: learn: 0.0766115    total: 13.4s  remaining: 38.9s
256: learn: 0.0763885    total: 13.5s  remaining: 38.9s
257: learn: 0.0763046    total: 13.6s  remaining: 39.2s
258: learn: 0.0761436    total: 13.7s  remaining: 39.2s
259: learn: 0.0758893    total: 13.8s  remaining: 39.2s
260: learn: 0.0756700    total: 13.8s  remaining: 39.2s
261: learn: 0.0754959    total: 13.9s  remaining: 39.1s
262: learn: 0.0753048    total: 14s   remaining: 39.2s
263: learn: 0.0751283    total: 14.1s  remaining: 39.2s
264: learn: 0.0749425    total: 14.2s  remaining: 39.3s

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265: learn: 0.0747627    total: 14.2s  remaining: 39.1s
266: learn: 0.0747449    total: 14.2s  remaining: 39s
267: learn: 0.0746232    total: 14.3s  remaining: 39s
268: learn: 0.0744670    total: 14.3s  remaining: 39s
269: learn: 0.0742839    total: 14.4s  remaining: 38.8s
270: learn: 0.0741447    total: 14.4s  remaining: 38.7s
271: learn: 0.0740043    total: 14.4s  remaining: 38.6s
272: learn: 0.0739883    total: 14.4s  remaining: 38.4s
273: learn: 0.0738353    total: 14.5s  remaining: 38.3s
274: learn: 0.0736776    total: 14.5s  remaining: 38.2s
275: learn: 0.0735203    total: 14.6s  remaining: 38.2s
276: learn: 0.0733378    total: 14.6s  remaining: 38.2s
277: learn: 0.0732165    total: 14.7s  remaining: 38.1s
278: learn: 0.0730899    total: 14.7s  remaining: 38s
279: learn: 0.0729998    total: 14.7s  remaining: 37.9s
280: learn: 0.0729079    total: 14.7s  remaining: 37.7s
281: learn: 0.0727560    total: 14.8s  remaining: 37.8s
282: learn: 0.0725614    total: 14.9s  remaining: 37.6s
283: learn: 0.0724592    total: 14.9s  remaining: 37.5s
284: learn: 0.0722908    total: 15.1s  remaining: 37.9s
285: learn: 0.0721408    total: 15.1s  remaining: 37.7s
286: learn: 0.0721260    total: 15.1s  remaining: 37.6s
287: learn: 0.0720088    total: 15.2s  remaining: 37.5s
288: learn: 0.0718539    total: 15.2s  remaining: 37.4s
289: learn: 0.0717288    total: 15.2s  remaining: 37.3s
290: learn: 0.0717143    total: 15.3s  remaining: 37.2s
291: learn: 0.0715375    total: 15.3s  remaining: 37.1s
292: learn: 0.0714154    total: 15.5s  remaining: 37.3s
293: learn: 0.0713966    total: 15.5s  remaining: 37.2s
294: learn: 0.0712867    total: 15.5s  remaining: 37.1s
295: learn: 0.0711010    total: 15.5s  remaining: 36.9s
296: learn: 0.0709733    total: 15.6s  remaining: 36.9s
297: learn: 0.0708220    total: 15.6s  remaining: 36.7s
298: learn: 0.0706329    total: 15.6s  remaining: 36.6s
299: learn: 0.0704948    total: 15.7s  remaining: 36.6s
300: learn: 0.0703395    total: 15.7s  remaining: 36.5s
301: learn: 0.0702345    total: 15.7s  remaining: 36.4s
302: learn: 0.0701547    total: 15.9s  remaining: 36.5s
303: learn: 0.0700629    total: 15.9s  remaining: 36.4s
304: learn: 0.0699099    total: 15.9s  remaining: 36.3s
305: learn: 0.0698011    total: 16s   remaining: 36.2s
306: learn: 0.0696932    total: 16s   remaining: 36.1s
307: learn: 0.0696399    total: 16s   remaining: 36s
308: learn: 0.0695098    total: 16.1s  remaining: 36s
309: learn: 0.0693634    total: 16.1s  remaining: 35.9s
310: learn: 0.0692261    total: 16.2s  remaining: 35.9s
311: learn: 0.0691407    total: 16.2s  remaining: 35.8s
312: learn: 0.0690374    total: 16.3s  remaining: 35.8s
313: learn: 0.0689289    total: 16.3s  remaining: 35.7s
314: learn: 0.0687625    total: 16.4s  remaining: 35.7s
315: learn: 0.0686280    total: 16.5s  remaining: 35.6s
316: learn: 0.0685070    total: 16.5s  remaining: 35.5s
317: learn: 0.0683384    total: 16.5s  remaining: 35.4s
318: learn: 0.0681999    total: 16.5s  remaining: 35.3s
319: learn: 0.0680898    total: 16.6s  remaining: 35.2s
320: learn: 0.0679025    total: 16.6s  remaining: 35.1s
321: learn: 0.0678075    total: 16.6s  remaining: 35s
322: learn: 0.0677221    total: 16.6s  remaining: 34.9s
220: learn: 0.0926030    total: 14.4s  remaining: 50.8s
221: learn: 0.0924836    total: 14.4s  remaining: 50.6s
222: learn: 0.0924170    total: 14.5s  remaining: 50.4s
223: learn: 0.0922535    total: 14.6s  remaining: 50.6s
224: learn: 0.0921313    total: 14.6s  remaining: 50.4s
225: learn: 0.0919082    total: 14.6s  remaining: 50.1s

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226: learn: 0.0917953    total: 14.7s  remaining: 50s
227: learn: 0.0915919    total: 14.7s  remaining: 49.8s
228: learn: 0.0913755    total: 14.7s  remaining: 49.6s
229: learn: 0.0912026    total: 14.8s  remaining: 49.5s
230: learn: 0.0910042    total: 14.9s  remaining: 49.4s
231: learn: 0.0908911    total: 14.9s  remaining: 49.2s
232: learn: 0.0907966    total: 14.9s  remaining: 49s
233: learn: 0.0906616    total: 14.9s  remaining: 48.7s
234: learn: 0.0905034    total: 14.9s  remaining: 48.6s
235: learn: 0.0903295    total: 15s    remaining: 48.7s
236: learn: 0.0901464    total: 15.1s  remaining: 48.5s
237: learn: 0.0899890    total: 15.1s  remaining: 48.3s
238: learn: 0.0897234    total: 15.1s  remaining: 48.1s
239: learn: 0.0895240    total: 15.1s  remaining: 47.8s
240: learn: 0.0892347    total: 15.1s  remaining: 47.6s
241: learn: 0.0891835    total: 15.1s  remaining: 47.4s
242: learn: 0.0890970    total: 15.1s  remaining: 47.1s
243: learn: 0.0889364    total: 15.1s  remaining: 46.9s
244: learn: 0.0888987    total: 15.2s  remaining: 46.7s
245: learn: 0.0887438    total: 15.2s  remaining: 46.5s
246: learn: 0.0885412    total: 15.3s  remaining: 46.6s
247: learn: 0.0883383    total: 15.3s  remaining: 46.4s
248: learn: 0.0882081    total: 15.3s  remaining: 46.2s
249: learn: 0.0880595    total: 15.3s  remaining: 46s
250: learn: 0.0877766    total: 15.4s  remaining: 45.9s
251: learn: 0.0876222    total: 15.5s  remaining: 45.9s
252: learn: 0.0875708    total: 15.6s  remaining: 45.9s
253: learn: 0.0875210    total: 15.6s  remaining: 45.9s
254: learn: 0.0873049    total: 15.8s  remaining: 46.2s
255: learn: 0.0871521    total: 15.9s  remaining: 46.1s
256: learn: 0.0870578    total: 16s    remaining: 46.2s
257: learn: 0.0868839    total: 16.3s  remaining: 46.7s
258: learn: 0.0866944    total: 16.3s  remaining: 46.7s
259: learn: 0.0865743    total: 16.5s  remaining: 47.1s
260: learn: 0.0863923    total: 16.7s  remaining: 47.3s
261: learn: 0.0862096    total: 16.8s  remaining: 47.2s
262: learn: 0.0860539    total: 16.8s  remaining: 47.2s
263: learn: 0.0857437    total: 16.9s  remaining: 47s
264: learn: 0.0856303    total: 16.9s  remaining: 47s
265: learn: 0.0854568    total: 17s    remaining: 46.9s
266: learn: 0.0852860    total: 17.1s  remaining: 46.9s
267: learn: 0.0851317    total: 17.1s  remaining: 46.8s
268: learn: 0.0849573    total: 17.2s  remaining: 46.6s
269: learn: 0.0848125    total: 17.2s  remaining: 46.6s
270: learn: 0.0846719    total: 17.3s  remaining: 46.5s
271: learn: 0.0845005    total: 17.3s  remaining: 46.4s
272: learn: 0.0844705    total: 17.4s  remaining: 46.4s
273: learn: 0.0844246    total: 17.5s  remaining: 46.3s
274: learn: 0.0843935    total: 17.6s  remaining: 46.3s
275: learn: 0.0843046    total: 17.6s  remaining: 46.2s
276: learn: 0.0841378    total: 17.7s  remaining: 46.1s
277: learn: 0.0841055    total: 17.7s  remaining: 46s
278: learn: 0.0838985    total: 17.7s  remaining: 45.8s
279: learn: 0.0838672    total: 17.8s  remaining: 45.8s
280: learn: 0.0837670    total: 17.9s  remaining: 45.7s
281: learn: 0.0835730    total: 17.9s  remaining: 45.5s
282: learn: 0.0834108    total: 17.9s  remaining: 45.4s
283: learn: 0.0832508    total: 18s    remaining: 45.4s
284: learn: 0.0832154    total: 18.1s  remaining: 45.4s
285: learn: 0.0830931    total: 18.2s  remaining: 45.4s
286: learn: 0.0829400    total: 18.2s  remaining: 45.3s
287: learn: 0.0828253    total: 18.3s  remaining: 45.1s
288: learn: 0.0826715    total: 18.3s  remaining: 45s
289: learn: 0.0826045    total: 18.3s  remaining: 44.9s

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290: learn: 0.0823629    total: 18.3s  remaining: 44.7s
291: learn: 0.0821958    total: 18.4s  remaining: 44.7s
292: learn: 0.0820331    total: 18.5s  remaining: 44.5s
293: learn: 0.0820054    total: 18.5s  remaining: 44.5s
294: learn: 0.0818045    total: 18.6s  remaining: 44.4s
295: learn: 0.0815479    total: 18.6s  remaining: 44.4s
296: learn: 0.0814225    total: 18.7s  remaining: 44.2s
297: learn: 0.0813602    total: 18.7s  remaining: 44.2s
298: learn: 0.0811284    total: 18.9s  remaining: 44.3s
299: learn: 0.0811037    total: 19s    remaining: 44.3s
300: learn: 0.0810830    total: 19s    remaining: 44.1s
301: learn: 0.0808595    total: 19s    remaining: 44s
302: learn: 0.0807107    total: 19.1s  remaining: 43.8s
303: learn: 0.0805636    total: 19.1s  remaining: 43.7s
304: learn: 0.0803530    total: 19.2s  remaining: 43.7s
305: learn: 0.0801559    total: 19.2s  remaining: 43.5s
306: learn: 0.0800048    total: 19.2s  remaining: 43.3s
307: learn: 0.0798093    total: 19.2s  remaining: 43.2s
308: learn: 0.0796268    total: 19.3s  remaining: 43.2s
309: learn: 0.0795146    total: 19.4s  remaining: 43.1s
310: learn: 0.0793205    total: 19.5s  remaining: 43.2s
311: learn: 0.0792016    total: 19.6s  remaining: 43.3s
312: learn: 0.0791632    total: 19.7s  remaining: 43.2s
313: learn: 0.0790789    total: 19.8s  remaining: 43.3s
314: learn: 0.0789060    total: 19.9s  remaining: 43.2s
315: learn: 0.0788094    total: 19.9s  remaining: 43.1s
316: learn: 0.0786674    total: 20s    remaining: 43s
317: learn: 0.0784016    total: 20s    remaining: 42.9s
318: learn: 0.0782184    total: 20.1s  remaining: 42.9s
319: learn: 0.0781303    total: 20.2s  remaining: 42.8s
320: learn: 0.0779957    total: 20.2s  remaining: 42.8s
321: learn: 0.0779744    total: 20.2s  remaining: 42.6s
322: learn: 0.0777290    total: 20.3s  remaining: 42.5s
323: learn: 0.0777011    total: 20.3s  remaining: 42.4s
324: learn: 0.0775905    total: 20.4s  remaining: 42.3s
325: learn: 0.0774340    total: 20.4s  remaining: 42.2s
326: learn: 0.0774079    total: 20.4s  remaining: 42s
327: learn: 0.0772716    total: 20.5s  remaining: 41.9s
328: learn: 0.0771062    total: 20.5s  remaining: 41.8s
329: learn: 0.0769570    total: 20.5s  remaining: 41.6s
330: learn: 0.0768086    total: 20.5s  remaining: 41.5s
331: learn: 0.0767101    total: 20.6s  remaining: 41.4s
332: learn: 0.0764802    total: 20.6s  remaining: 41.3s
333: learn: 0.0763926    total: 20.7s  remaining: 41.2s
334: learn: 0.0762423    total: 20.7s  remaining: 41.1s
335: learn: 0.0761874    total: 20.7s  remaining: 41s
336: learn: 0.0760338    total: 20.8s  remaining: 40.9s
337: learn: 0.0759011    total: 20.8s  remaining: 40.7s
338: learn: 0.0757921    total: 20.8s  remaining: 40.6s
339: learn: 0.0756189    total: 20.8s  remaining: 40.5s
340: learn: 0.0754437    total: 20.9s  remaining: 40.3s
341: learn: 0.0753174    total: 20.9s  remaining: 40.3s
342: learn: 0.0751615    total: 20.9s  remaining: 40.1s
343: learn: 0.0750122    total: 21s    remaining: 40s
344: learn: 0.0748870    total: 21s    remaining: 40s
345: learn: 0.0747333    total: 21.1s  remaining: 39.9s
346: learn: 0.0747152    total: 21.1s  remaining: 39.8s
347: learn: 0.0746102    total: 21.1s  remaining: 39.6s
348: learn: 0.0744485    total: 21.2s  remaining: 39.5s
349: learn: 0.0744021    total: 21.2s  remaining: 39.4s
350: learn: 0.0742644    total: 21.2s  remaining: 39.3s
351: learn: 0.0741538    total: 21.3s  remaining: 39.3s
352: learn: 0.0740525    total: 21.4s  remaining: 39.1s
353: learn: 0.0739254    total: 21.4s  remaining: 39.1s

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354:	learn: 0.0737479	total: 21.4s	remaining: 38.9s
355:	learn: 0.0737009	total: 21.5s	remaining: 38.8s
356:	learn: 0.0736027	total: 21.6s	remaining: 38.8s
357:	learn: 0.0735867	total: 21.6s	remaining: 38.7s
358:	learn: 0.0735721	total: 21.8s	remaining: 38.9s
359:	learn: 0.0734490	total: 21.9s	remaining: 39s
360:	learn: 0.0733217	total: 22s	remaining: 38.9s
361:	learn: 0.0732461	total: 22s	remaining: 38.8s
362:	learn: 0.0730823	total: 22.1s	remaining: 38.8s
363:	learn: 0.0730084	total: 22.2s	remaining: 38.7s
364:	learn: 0.0728668	total: 22.3s	remaining: 38.9s
365:	learn: 0.0727217	total: 22.4s	remaining: 38.8s
366:	learn: 0.0725801	total: 22.4s	remaining: 38.7s
367:	learn: 0.0724773	total: 22.5s	remaining: 38.7s
368:	learn: 0.0722786	total: 22.5s	remaining: 38.5s
369:	learn: 0.0721508	total: 22.6s	remaining: 38.5s
370:	learn: 0.0720018	total: 22.6s	remaining: 38.3s
371:	learn: 0.0719118	total: 22.7s	remaining: 38.3s
372:	learn: 0.0716938	total: 22.8s	remaining: 38.3s
373:	learn: 0.0716680	total: 22.8s	remaining: 38.2s
374:	learn: 0.0715562	total: 22.8s	remaining: 38s
375:	learn: 0.0713820	total: 22.9s	remaining: 38s
376:	learn: 0.0712787	total: 23s	remaining: 38s
377:	learn: 0.0711767	total: 23s	remaining: 37.9s
222:	learn: 0.0911908	total: 15.2s	remaining: 52.9s
223:	learn: 0.0910963	total: 15.2s	remaining: 52.6s
224:	learn: 0.0907884	total: 15.3s	remaining: 52.5s
225:	learn: 0.0906468	total: 15.3s	remaining: 52.6s
226:	learn: 0.0903904	total: 15.5s	remaining: 52.6s
227:	learn: 0.0903289	total: 15.5s	remaining: 52.5s
228:	learn: 0.0901229	total: 15.7s	remaining: 52.8s
229:	learn: 0.0897545	total: 15.7s	remaining: 52.6s
230:	learn: 0.0895030	total: 15.7s	remaining: 52.3s
231:	learn: 0.0893697	total: 15.7s	remaining: 52.1s
232:	learn: 0.0891169	total: 15.8s	remaining: 52.1s
233:	learn: 0.0889415	total: 16s	remaining: 52.5s
234:	learn: 0.0887775	total: 16.1s	remaining: 52.5s
235:	learn: 0.0886338	total: 16.2s	remaining: 52.4s
236:	learn: 0.0884759	total: 16.2s	remaining: 52.1s
237:	learn: 0.0883726	total: 16.3s	remaining: 52.2s
238:	learn: 0.0881530	total: 16.3s	remaining: 52s
239:	learn: 0.0880827	total: 16.4s	remaining: 52s
240:	learn: 0.0878906	total: 16.4s	remaining: 51.8s
241:	learn: 0.0876569	total: 16.5s	remaining: 51.6s
242:	learn: 0.0876197	total: 16.6s	remaining: 51.6s
243:	learn: 0.0875400	total: 16.6s	remaining: 51.4s
244:	learn: 0.0875086	total: 16.6s	remaining: 51.3s
245:	learn: 0.0873486	total: 16.7s	remaining: 51.2s
246:	learn: 0.0872781	total: 16.8s	remaining: 51.2s
247:	learn: 0.0872514	total: 16.8s	remaining: 51s
248:	learn: 0.0870575	total: 16.9s	remaining: 50.9s
249:	learn: 0.0868331	total: 17s	remaining: 50.9s
250:	learn: 0.0865388	total: 17.1s	remaining: 50.9s
251:	learn: 0.0864024	total: 17.1s	remaining: 50.7s
252:	learn: 0.0862066	total: 17.1s	remaining: 50.6s
253:	learn: 0.0859326	total: 17.2s	remaining: 50.5s
254:	learn: 0.0858691	total: 17.3s	remaining: 50.4s
255:	learn: 0.0858446	total: 17.3s	remaining: 50.2s
256:	learn: 0.0857416	total: 17.4s	remaining: 50.2s
257:	learn: 0.0855849	total: 17.7s	remaining: 50.8s
258:	learn: 0.0853551	total: 17.9s	remaining: 51.2s
259:	learn: 0.0852534	total: 18s	remaining: 51.2s
260:	learn: 0.0852331	total: 18.1s	remaining: 51.2s
261:	learn: 0.0851452	total: 18.2s	remaining: 51.3s

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262: learn: 0.0849936    total: 18.3s  remaining: 51.2s
263: learn: 0.0848610    total: 18.3s  remaining: 51.1s
264: learn: 0.0846915    total: 18.4s  remaining: 50.9s
265: learn: 0.0845419    total: 18.4s  remaining: 50.8s
266: learn: 0.0844709    total: 18.5s  remaining: 50.7s
267: learn: 0.0842315    total: 18.5s  remaining: 50.6s
268: learn: 0.0841374    total: 18.6s  remaining: 50.4s
269: learn: 0.0840457    total: 18.7s  remaining: 50.4s
270: learn: 0.0839745    total: 18.7s  remaining: 50.3s
271: learn: 0.0838893    total: 18.8s  remaining: 50.3s
272: learn: 0.0837318    total: 18.9s  remaining: 50.3s
273: learn: 0.0837042    total: 18.9s  remaining: 50s
274: learn: 0.0834927    total: 18.9s  remaining: 49.9s
275: learn: 0.0833566    total: 19s   remaining: 49.9s
276: learn: 0.0832713    total: 19.1s  remaining: 49.8s
277: learn: 0.0829801    total: 19.2s  remaining: 49.7s
278: learn: 0.0828112    total: 19.2s  remaining: 49.6s
279: learn: 0.0827453    total: 19.2s  remaining: 49.4s
280: learn: 0.0826180    total: 19.2s  remaining: 49.2s
281: learn: 0.0824441    total: 19.3s  remaining: 49.1s
282: learn: 0.0822218    total: 19.3s  remaining: 48.9s
283: learn: 0.0820297    total: 19.3s  remaining: 48.7s
284: learn: 0.0818832    total: 19.4s  remaining: 48.6s
285: learn: 0.0816450    total: 19.4s  remaining: 48.4s
286: learn: 0.0814053    total: 19.4s  remaining: 48.2s
287: learn: 0.0812563    total: 19.4s  remaining: 48s
288: learn: 0.0811189    total: 19.5s  remaining: 48s
289: learn: 0.0809697    total: 19.5s  remaining: 47.8s
290: learn: 0.0808014    total: 19.6s  remaining: 47.8s
291: learn: 0.0806531    total: 19.6s  remaining: 47.6s
292: learn: 0.0804395    total: 19.7s  remaining: 47.6s
293: learn: 0.0802862    total: 19.8s  remaining: 47.5s
294: learn: 0.0801526    total: 19.8s  remaining: 47.4s
295: learn: 0.0799469    total: 19.9s  remaining: 47.3s
296: learn: 0.0797915    total: 20s   remaining: 47.2s
297: learn: 0.0797269    total: 20s   remaining: 47.1s
298: learn: 0.0795293    total: 20.1s  remaining: 47s
299: learn: 0.0793576    total: 20.1s  remaining: 47s
300: learn: 0.0792323    total: 20.1s  remaining: 46.8s
301: learn: 0.0790773    total: 20.3s  remaining: 46.9s
302: learn: 0.0788565    total: 20.4s  remaining: 46.9s
303: learn: 0.0786535    total: 20.4s  remaining: 46.7s
304: learn: 0.0785333    total: 20.5s  remaining: 46.7s
305: learn: 0.0785174    total: 20.7s  remaining: 46.9s
306: learn: 0.0783469    total: 20.7s  remaining: 46.8s
307: learn: 0.0781606    total: 20.9s  remaining: 46.8s
308: learn: 0.0780475    total: 21.1s  remaining: 47.2s
309: learn: 0.0778947    total: 21.2s  remaining: 47.1s
310: learn: 0.0777087    total: 21.3s  remaining: 47.2s
311: learn: 0.0775104    total: 21.3s  remaining: 47.1s
312: learn: 0.0773526    total: 21.5s  remaining: 47.1s
313: learn: 0.0771116    total: 21.5s  remaining: 47s
314: learn: 0.0770891    total: 21.6s  remaining: 46.9s
315: learn: 0.0770030    total: 21.6s  remaining: 46.9s
316: learn: 0.0768272    total: 21.7s  remaining: 46.8s
317: learn: 0.0766034    total: 21.8s  remaining: 46.7s
318: learn: 0.0764039    total: 21.8s  remaining: 46.5s
319: learn: 0.0763078    total: 21.8s  remaining: 46.4s
320: learn: 0.0761240    total: 21.9s  remaining: 46.3s
321: learn: 0.0759454    total: 22s   remaining: 46.2s
322: learn: 0.0757174    total: 22s   remaining: 46.1s
323: learn: 0.0754798    total: 22s   remaining: 45.9s
324: learn: 0.0753243    total: 22s   remaining: 45.8s
325: learn: 0.0751515    total: 22.1s  remaining: 45.7s

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326: learn: 0.0749682    total: 22.2s  remaining: 45.6s
327: learn: 0.0748716    total: 22.2s  remaining: 45.5s
328: learn: 0.0746827    total: 22.2s  remaining: 45.3s
329: learn: 0.0746614    total: 22.3s  remaining: 45.2s
330: learn: 0.0745639    total: 22.3s  remaining: 45s
331: learn: 0.0744391    total: 22.3s  remaining: 44.9s
332: learn: 0.0743221    total: 22.4s  remaining: 44.9s
333: learn: 0.0741512    total: 22.5s  remaining: 44.8s
334: learn: 0.0740725    total: 22.5s  remaining: 44.6s
335: learn: 0.0739132    total: 22.5s  remaining: 44.5s
336: learn: 0.0737754    total: 22.6s  remaining: 44.5s
337: learn: 0.0735934    total: 22.7s  remaining: 44.5s
338: learn: 0.0734218    total: 22.8s  remaining: 44.4s
339: learn: 0.0732576    total: 22.8s  remaining: 44.3s
340: learn: 0.0731091    total: 22.9s  remaining: 44.3s
341: learn: 0.0730111    total: 23s    remaining: 44.3s
342: learn: 0.0728772    total: 23.1s  remaining: 44.2s
343: learn: 0.0727531    total: 23.2s  remaining: 44.2s
344: learn: 0.0726154    total: 23.3s  remaining: 44.1s
345: learn: 0.0724471    total: 23.3s  remaining: 44s
346: learn: 0.0722886    total: 23.3s  remaining: 43.9s
347: learn: 0.0722038    total: 23.4s  remaining: 43.9s
348: learn: 0.0721621    total: 23.5s  remaining: 43.9s
349: learn: 0.0720437    total: 23.6s  remaining: 43.8s
350: learn: 0.0719083    total: 23.6s  remaining: 43.7s
351: learn: 0.0717758    total: 23.7s  remaining: 43.7s
352: learn: 0.0716278    total: 23.8s  remaining: 43.6s
353: learn: 0.0715392    total: 23.8s  remaining: 43.4s
354: learn: 0.0714447    total: 23.9s  remaining: 43.4s
355: learn: 0.0712924    total: 23.9s  remaining: 43.2s
356: learn: 0.0711196    total: 23.9s  remaining: 43.1s
357: learn: 0.0709976    total: 24s    remaining: 43s
358: learn: 0.0708419    total: 24s    remaining: 42.9s
359: learn: 0.0706583    total: 24.1s  remaining: 42.9s
360: learn: 0.0704762    total: 24.2s  remaining: 42.8s
361: learn: 0.0703147    total: 24.2s  remaining: 42.7s
362: learn: 0.0701714    total: 24.3s  remaining: 42.7s
363: learn: 0.0700077    total: 24.5s  remaining: 42.7s
364: learn: 0.0698907    total: 24.5s  remaining: 42.6s
365: learn: 0.0698766    total: 24.5s  remaining: 42.5s
366: learn: 0.0697572    total: 24.5s  remaining: 42.3s
367: learn: 0.0696104    total: 24.6s  remaining: 42.3s
368: learn: 0.0694066    total: 24.7s  remaining: 42.2s
369: learn: 0.0692802    total: 24.8s  remaining: 42.1s
370: learn: 0.0690921    total: 24.8s  remaining: 42.1s
371: learn: 0.0689771    total: 24.9s  remaining: 42s
372: learn: 0.0688828    total: 24.9s  remaining: 41.9s
373: learn: 0.0687572    total: 25s    remaining: 41.8s
374: learn: 0.0686459    total: 25s    remaining: 41.7s
375: learn: 0.0685650    total: 25.1s  remaining: 41.6s
376: learn: 0.0684985    total: 25.1s  remaining: 41.5s
377: learn: 0.0683665    total: 25.1s  remaining: 41.4s
378: learn: 0.0681915    total: 25.2s  remaining: 41.3s
379: learn: 0.0681091    total: 25.3s  remaining: 41.2s
380: learn: 0.0702761    total: 19.2s  remaining: 30.9s
381: learn: 0.0701628    total: 19.3s  remaining: 30.9s
382: learn: 0.0699691    total: 19.3s  remaining: 30.9s
383: learn: 0.0698553    total: 19.5s  remaining: 31s
384: learn: 0.0697766    total: 19.5s  remaining: 30.9s
385: learn: 0.0697086    total: 19.6s  remaining: 30.9s
386: learn: 0.0695278    total: 19.7s  remaining: 30.9s
387: learn: 0.0693145    total: 19.8s  remaining: 30.9s
388: learn: 0.0692569    total: 19.8s  remaining: 30.8s
389: learn: 0.0691225    total: 19.8s  remaining: 30.7s

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		houses_kaggle_competition_refined
392:	learn: 0.0689577	total: 19.8s remaining: 30.7s
393:	learn: 0.0689182	total: 19.9s remaining: 30.6s
394:	learn: 0.0688061	total: 20s remaining: 30.6s
395:	learn: 0.0686829	total: 20.1s remaining: 30.6s
396:	learn: 0.0686718	total: 20.2s remaining: 30.7s
397:	learn: 0.0686031	total: 20.2s remaining: 30.6s
398:	learn: 0.0684620	total: 20.3s remaining: 30.5s
399:	learn: 0.0683979	total: 20.3s remaining: 30.4s
400:	learn: 0.0682502	total: 20.3s remaining: 30.4s
401:	learn: 0.0680818	total: 20.3s remaining: 30.3s
402:	learn: 0.0679290	total: 20.4s remaining: 30.2s
403:	learn: 0.0678114	total: 20.4s remaining: 30.1s
404:	learn: 0.0676783	total: 20.4s remaining: 30s
405:	learn: 0.0676068	total: 20.5s remaining: 29.9s
406:	learn: 0.0674463	total: 20.5s remaining: 29.9s
407:	learn: 0.0673364	total: 20.6s remaining: 29.9s
408:	learn: 0.0672456	total: 20.6s remaining: 29.8s
409:	learn: 0.0671287	total: 20.6s remaining: 29.7s
410:	learn: 0.0670341	total: 20.7s remaining: 29.6s
411:	learn: 0.0668396	total: 20.7s remaining: 29.5s
412:	learn: 0.0667046	total: 20.7s remaining: 29.4s
413:	learn: 0.0665968	total: 20.7s remaining: 29.4s
414:	learn: 0.0664801	total: 20.8s remaining: 29.3s
415:	learn: 0.0663138	total: 20.8s remaining: 29.2s
416:	learn: 0.0662008	total: 20.8s remaining: 29.1s
417:	learn: 0.0660854	total: 20.9s remaining: 29s
418:	learn: 0.0659560	total: 20.9s remaining: 28.9s
419:	learn: 0.0657598	total: 21s remaining: 28.9s
420:	learn: 0.0656550	total: 21.1s remaining: 29s
421:	learn: 0.0655951	total: 21.2s remaining: 29.1s
422:	learn: 0.0654971	total: 21.3s remaining: 29.1s
423:	learn: 0.0653867	total: 21.4s remaining: 29.1s
424:	learn: 0.0653173	total: 21.4s remaining: 29s
425:	learn: 0.0651938	total: 21.5s remaining: 29s
426:	learn: 0.0650972	total: 21.6s remaining: 29s
427:	learn: 0.0649506	total: 21.7s remaining: 29s
428:	learn: 0.0647685	total: 21.8s remaining: 29s
429:	learn: 0.0646109	total: 21.9s remaining: 29s
430:	learn: 0.0644850	total: 22s remaining: 29s
431:	learn: 0.0643911	total: 22s remaining: 28.9s
432:	learn: 0.0642801	total: 22s remaining: 28.8s
433:	learn: 0.0641702	total: 22.2s remaining: 28.9s
434:	learn: 0.0640145	total: 22.3s remaining: 29s
435:	learn: 0.0638992	total: 22.4s remaining: 29s
436:	learn: 0.0637997	total: 22.5s remaining: 28.9s
437:	learn: 0.0637356	total: 22.5s remaining: 28.8s
438:	learn: 0.0637263	total: 22.5s remaining: 28.7s
439:	learn: 0.0636451	total: 22.6s remaining: 28.8s
440:	learn: 0.0635125	total: 22.9s remaining: 29s
441:	learn: 0.0634005	total: 22.9s remaining: 28.9s
442:	learn: 0.0633334	total: 22.9s remaining: 28.8s
443:	learn: 0.0632051	total: 23s remaining: 28.7s
444:	learn: 0.0631176	total: 23s remaining: 28.7s
445:	learn: 0.0630346	total: 23s remaining: 28.6s
446:	learn: 0.0629735	total: 23.1s remaining: 28.5s
447:	learn: 0.0628590	total: 23.1s remaining: 28.5s
448:	learn: 0.0627549	total: 23.1s remaining: 28.4s
449:	learn: 0.0626878	total: 23.2s remaining: 28.3s
450:	learn: 0.0625954	total: 23.2s remaining: 28.3s
451:	learn: 0.0624617	total: 23.3s remaining: 28.2s
452:	learn: 0.0623784	total: 23.5s remaining: 28.3s
453:	learn: 0.0622983	total: 23.6s remaining: 28.4s
454:	learn: 0.0621828	total: 23.7s remaining: 28.4s
455:	learn: 0.0619898	total: 23.9s remaining: 28.5s

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456: learn: 0.0618538    total: 23.9s  remaining: 28.4s
457: learn: 0.0617271    total: 23.9s  remaining: 28.3s
458: learn: 0.0616553    total: 24s    remaining: 28.3s
459: learn: 0.0615571    total: 24s    remaining: 28.2s
460: learn: 0.0614635    total: 24.2s  remaining: 28.3s
461: learn: 0.0613319    total: 24.2s  remaining: 28.2s
462: learn: 0.0612734    total: 24.3s  remaining: 28.1s
463: learn: 0.0612008    total: 24.3s  remaining: 28s
464: learn: 0.0611901    total: 24.5s  remaining: 28.1s
465: learn: 0.0610522    total: 24.5s  remaining: 28.1s
466: learn: 0.0609472    total: 24.6s  remaining: 28.1s
467: learn: 0.0608547    total: 24.7s  remaining: 28.1s
468: learn: 0.0607677    total: 24.7s  remaining: 28s
469: learn: 0.0607197    total: 24.8s  remaining: 28s
470: learn: 0.0605909    total: 24.9s  remaining: 28s
471: learn: 0.0605053    total: 25s    remaining: 27.9s
472: learn: 0.0604351    total: 25s    remaining: 27.9s
473: learn: 0.0604242    total: 25.1s  remaining: 27.8s
474: learn: 0.0602683    total: 25.1s  remaining: 27.8s
475: learn: 0.0601996    total: 25.2s  remaining: 27.7s
476: learn: 0.0601197    total: 25.2s  remaining: 27.6s
477: learn: 0.0599984    total: 25.2s  remaining: 27.6s
478: learn: 0.0598460    total: 25.3s  remaining: 27.5s
479: learn: 0.0597390    total: 25.4s  remaining: 27.5s
480: learn: 0.0596154    total: 25.4s  remaining: 27.4s
481: learn: 0.0595344    total: 25.4s  remaining: 27.3s
482: learn: 0.0593864    total: 25.5s  remaining: 27.3s
483: learn: 0.0592849    total: 25.5s  remaining: 27.2s
484: learn: 0.0591948    total: 25.5s  remaining: 27.1s
485: learn: 0.0591068    total: 25.5s  remaining: 27s
486: learn: 0.0589992    total: 25.6s  remaining: 26.9s
487: learn: 0.0588955    total: 25.6s  remaining: 26.9s
488: learn: 0.0588038    total: 25.7s  remaining: 26.8s
489: learn: 0.0587206    total: 25.7s  remaining: 26.8s
490: learn: 0.0585475    total: 25.7s  remaining: 26.7s
491: learn: 0.0584773    total: 25.8s  remaining: 26.7s
492: learn: 0.0583895    total: 25.8s  remaining: 26.6s
493: learn: 0.0583024    total: 25.9s  remaining: 26.5s
494: learn: 0.0582576    total: 26s    remaining: 26.5s
495: learn: 0.0581910    total: 26s    remaining: 26.4s
496: learn: 0.0581430    total: 26s    remaining: 26.4s
497: learn: 0.0580381    total: 26.1s  remaining: 26.3s
498: learn: 0.0579551    total: 26.2s  remaining: 26.3s
499: learn: 0.0578099    total: 26.2s  remaining: 26.2s
500: learn: 0.0577435    total: 26.2s  remaining: 26.1s
501: learn: 0.0575901    total: 26.3s  remaining: 26.1s
502: learn: 0.0575312    total: 26.3s  remaining: 26s
503: learn: 0.0574219    total: 26.4s  remaining: 26s
504: learn: 0.0573204    total: 26.5s  remaining: 25.9s
505: learn: 0.0572366    total: 26.5s  remaining: 25.9s
506: learn: 0.0571578    total: 26.6s  remaining: 25.8s
507: learn: 0.0569916    total: 26.6s  remaining: 25.8s
508: learn: 0.0569565    total: 26.7s  remaining: 25.8s
509: learn: 0.0569172    total: 26.8s  remaining: 25.7s
510: learn: 0.0568252    total: 26.8s  remaining: 25.6s
511: learn: 0.0567354    total: 26.8s  remaining: 25.6s
512: learn: 0.0566431    total: 27s    remaining: 25.7s
513: learn: 0.0565223    total: 27.1s  remaining: 25.6s
514: learn: 0.0563986    total: 27.2s  remaining: 25.6s
515: learn: 0.0562651    total: 27.2s  remaining: 25.5s
516: learn: 0.0561447    total: 27.3s  remaining: 25.5s
517: learn: 0.0560344    total: 27.3s  remaining: 25.4s
518: learn: 0.0559901    total: 27.4s  remaining: 25.4s
519: learn: 0.0558952    total: 27.4s  remaining: 25.3s

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520:	learn: 0.0557889	total: 27.5s	remaining: 25.3s
521:	learn: 0.0556886	total: 27.6s	remaining: 25.2s
522:	learn: 0.0556165	total: 27.6s	remaining: 25.2s
523:	learn: 0.0554916	total: 27.7s	remaining: 25.2s
524:	learn: 0.0553957	total: 27.8s	remaining: 25.1s
525:	learn: 0.0553666	total: 27.8s	remaining: 25.1s
526:	learn: 0.0552684	total: 27.9s	remaining: 25s
527:	learn: 0.0551820	total: 27.9s	remaining: 25s
528:	learn: 0.0551135	total: 28s	remaining: 24.9s
529:	learn: 0.0550708	total: 28s	remaining: 24.9s
530:	learn: 0.0550119	total: 28.1s	remaining: 24.8s
531:	learn: 0.0549164	total: 28.1s	remaining: 24.7s
532:	learn: 0.0548318	total: 28.1s	remaining: 24.6s
533:	learn: 0.0547291	total: 28.1s	remaining: 24.5s
534:	learn: 0.0546739	total: 28.2s	remaining: 24.5s
535:	learn: 0.0545941	total: 28.2s	remaining: 24.4s
536:	learn: 0.0544611	total: 28.3s	remaining: 24.4s
537:	learn: 0.0543437	total: 28.3s	remaining: 24.3s
538:	learn: 0.0542329	total: 28.3s	remaining: 24.2s
539:	learn: 0.0541020	total: 28.3s	remaining: 24.1s
540:	learn: 0.0540147	total: 28.3s	remaining: 24s
323:	learn: 0.0676348	total: 16.7s	remaining: 34.8s
324:	learn: 0.0675016	total: 16.7s	remaining: 34.7s
325:	learn: 0.0673914	total: 16.8s	remaining: 34.7s
326:	learn: 0.0672898	total: 16.8s	remaining: 34.6s
327:	learn: 0.0671618	total: 16.9s	remaining: 34.6s
328:	learn: 0.0670838	total: 16.9s	remaining: 34.6s
329:	learn: 0.0670164	total: 17s	remaining: 34.5s
330:	learn: 0.0668993	total: 17s	remaining: 34.3s
331:	learn: 0.0667953	total: 17s	remaining: 34.2s
332:	learn: 0.0666432	total: 17.1s	remaining: 34.2s
333:	learn: 0.0665290	total: 17.1s	remaining: 34.1s
334:	learn: 0.0664319	total: 17.1s	remaining: 33.9s
335:	learn: 0.0663232	total: 17.1s	remaining: 33.8s
336:	learn: 0.0661774	total: 17.2s	remaining: 33.8s
337:	learn: 0.0660440	total: 17.2s	remaining: 33.7s
338:	learn: 0.0659420	total: 17.2s	remaining: 33.6s
339:	learn: 0.0658693	total: 17.3s	remaining: 33.5s
340:	learn: 0.0656818	total: 17.3s	remaining: 33.5s
341:	learn: 0.0656059	total: 17.4s	remaining: 33.4s
342:	learn: 0.0654823	total: 17.4s	remaining: 33.4s
343:	learn: 0.0654215	total: 17.5s	remaining: 33.3s
344:	learn: 0.0653371	total: 17.5s	remaining: 33.3s
345:	learn: 0.0652331	total: 17.5s	remaining: 33.1s
346:	learn: 0.0650909	total: 17.6s	remaining: 33.2s
347:	learn: 0.0650137	total: 17.7s	remaining: 33.1s
348:	learn: 0.0648971	total: 17.9s	remaining: 33.3s
349:	learn: 0.0648082	total: 17.9s	remaining: 33.2s
350:	learn: 0.0647070	total: 18s	remaining: 33.2s
351:	learn: 0.0646084	total: 18s	remaining: 33.2s
352:	learn: 0.0644822	total: 18.1s	remaining: 33.2s
353:	learn: 0.0643527	total: 18.2s	remaining: 33.1s
354:	learn: 0.0642435	total: 18.2s	remaining: 33.1s
355:	learn: 0.0641645	total: 18.3s	remaining: 33.1s
356:	learn: 0.0640969	total: 18.4s	remaining: 33.1s
357:	learn: 0.0639910	total: 18.5s	remaining: 33.1s
358:	learn: 0.0638881	total: 18.6s	remaining: 33.2s
359:	learn: 0.0637582	total: 18.7s	remaining: 33.2s
360:	learn: 0.0636161	total: 18.7s	remaining: 33.1s
361:	learn: 0.0634845	total: 18.8s	remaining: 33.1s
362:	learn: 0.0633480	total: 18.8s	remaining: 33s
363:	learn: 0.0632258	total: 18.8s	remaining: 32.9s
364:	learn: 0.0630915	total: 18.9s	remaining: 32.9s
365:	learn: 0.0630017	total: 19s	remaining: 32.9s

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366: learn: 0.0629291    total: 19.1s  remaining: 32.9s
367: learn: 0.0628478    total: 19.1s  remaining: 32.8s
368: learn: 0.0627267    total: 19.1s  remaining: 32.7s
369: learn: 0.0626842    total: 19.2s  remaining: 32.6s
370: learn: 0.0626085    total: 19.2s  remaining: 32.6s
371: learn: 0.0625222    total: 19.3s  remaining: 32.5s
372: learn: 0.0624286    total: 19.3s  remaining: 32.4s
373: learn: 0.0623466    total: 19.3s  remaining: 32.3s
374: learn: 0.0623364    total: 19.3s  remaining: 32.2s
375: learn: 0.0622500    total: 19.4s  remaining: 32.2s
376: learn: 0.0621387    total: 19.4s  remaining: 32.1s
377: learn: 0.0619743    total: 19.4s  remaining: 32s
378: learn: 0.0618332    total: 19.4s  remaining: 31.8s
379: learn: 0.0616996    total: 19.5s  remaining: 31.8s
380: learn: 0.0615579    total: 19.6s  remaining: 31.9s
381: learn: 0.0615342    total: 19.6s  remaining: 31.8s
382: learn: 0.0614011    total: 19.7s  remaining: 31.7s
383: learn: 0.0613426    total: 19.7s  remaining: 31.7s
384: learn: 0.0612294    total: 19.8s  remaining: 31.7s
385: learn: 0.0611471    total: 19.8s  remaining: 31.6s
386: learn: 0.0610368    total: 19.8s  remaining: 31.4s
387: learn: 0.0609366    total: 19.9s  remaining: 31.4s
388: learn: 0.0608629    total: 20s   remaining: 31.5s
389: learn: 0.0607341    total: 20s   remaining: 31.4s
390: learn: 0.0606243    total: 20.1s  remaining: 31.3s
391: learn: 0.0605611    total: 20.1s  remaining: 31.2s
392: learn: 0.0604894    total: 20.2s  remaining: 31.2s
393: learn: 0.0604056    total: 20.2s  remaining: 31s
394: learn: 0.0602936    total: 20.2s  remaining: 31s
395: learn: 0.0602214    total: 20.3s  remaining: 31s
396: learn: 0.0601422    total: 20.3s  remaining: 30.9s
397: learn: 0.0600907    total: 20.4s  remaining: 30.8s
398: learn: 0.0599986    total: 20.4s  remaining: 30.8s
399: learn: 0.05999894   total: 20.5s  remaining: 30.8s
400: learn: 0.0598396    total: 20.6s  remaining: 30.7s
401: learn: 0.0597099    total: 20.6s  remaining: 30.6s
402: learn: 0.0596553    total: 20.7s  remaining: 30.7s
403: learn: 0.0595780    total: 20.7s  remaining: 30.6s
404: learn: 0.0594607    total: 20.8s  remaining: 30.6s
405: learn: 0.0593855    total: 20.9s  remaining: 30.5s
406: learn: 0.0593384    total: 21s   remaining: 30.5s
407: learn: 0.0592733    total: 21s   remaining: 30.4s
408: learn: 0.0592050    total: 21s   remaining: 30.4s
409: learn: 0.0590847    total: 21.1s  remaining: 30.4s
410: learn: 0.0590377    total: 21.1s  remaining: 30.3s
411: learn: 0.0589351    total: 21.2s  remaining: 30.3s
412: learn: 0.0588118    total: 21.2s  remaining: 30.2s
413: learn: 0.0587477    total: 21.4s  remaining: 30.2s
414: learn: 0.0586555    total: 21.5s  remaining: 30.3s
415: learn: 0.0585766    total: 21.5s  remaining: 30.2s
416: learn: 0.0584771    total: 21.6s  remaining: 30.1s
417: learn: 0.0583924    total: 21.6s  remaining: 30s
418: learn: 0.0582840    total: 21.6s  remaining: 30s
419: learn: 0.0581944    total: 21.7s  remaining: 29.9s
420: learn: 0.0581197    total: 21.7s  remaining: 29.8s
421: learn: 0.0580415    total: 21.7s  remaining: 29.8s
422: learn: 0.0579022    total: 21.8s  remaining: 29.7s
423: learn: 0.0578393    total: 21.8s  remaining: 29.6s
424: learn: 0.0577708    total: 21.8s  remaining: 29.5s
425: learn: 0.0576709    total: 22s   remaining: 29.6s
426: learn: 0.0576173    total: 22s   remaining: 29.6s
427: learn: 0.0575261    total: 22.1s  remaining: 29.5s
428: learn: 0.0573892    total: 22.2s  remaining: 29.5s
429: learn: 0.0572478    total: 22.2s  remaining: 29.5s

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430:	learn: 0.0571696	total: 22.3s	remaining: 29.4s
431:	learn: 0.0570156	total: 22.3s	remaining: 29.3s
432:	learn: 0.0569771	total: 22.4s	remaining: 29.3s
433:	learn: 0.0569059	total: 22.4s	remaining: 29.2s
434:	learn: 0.0567842	total: 22.4s	remaining: 29.1s
435:	learn: 0.0566535	total: 22.4s	remaining: 29s
436:	learn: 0.0565300	total: 22.5s	remaining: 29s
437:	learn: 0.0564043	total: 22.6s	remaining: 28.9s
438:	learn: 0.0563955	total: 22.6s	remaining: 28.8s
439:	learn: 0.0563161	total: 22.7s	remaining: 28.8s
440:	learn: 0.0562044	total: 22.7s	remaining: 28.8s
441:	learn: 0.0561391	total: 22.7s	remaining: 28.7s
442:	learn: 0.0560066	total: 22.8s	remaining: 28.7s
443:	learn: 0.0559088	total: 22.8s	remaining: 28.6s
444:	learn: 0.0558102	total: 22.9s	remaining: 28.6s
445:	learn: 0.0556817	total: 22.9s	remaining: 28.5s
446:	learn: 0.0556693	total: 23s	remaining: 28.4s
447:	learn: 0.0555634	total: 23s	remaining: 28.4s
448:	learn: 0.0554548	total: 23.1s	remaining: 28.3s
449:	learn: 0.0553334	total: 23.1s	remaining: 28.2s
450:	learn: 0.0551992	total: 23.2s	remaining: 28.3s
451:	learn: 0.0551565	total: 23.3s	remaining: 28.2s
452:	learn: 0.0550673	total: 23.4s	remaining: 28.3s
453:	learn: 0.0549825	total: 23.5s	remaining: 28.2s
454:	learn: 0.0549758	total: 23.5s	remaining: 28.2s
455:	learn: 0.0548697	total: 23.5s	remaining: 28.1s
456:	learn: 0.0547726	total: 23.6s	remaining: 28s
457:	learn: 0.0547031	total: 23.7s	remaining: 28.1s
458:	learn: 0.0546285	total: 23.8s	remaining: 28.1s
459:	learn: 0.0545418	total: 23.9s	remaining: 28.1s
460:	learn: 0.0545019	total: 24s	remaining: 28s
461:	learn: 0.0544093	total: 24s	remaining: 27.9s
462:	learn: 0.0543271	total: 24.1s	remaining: 27.9s
463:	learn: 0.0542371	total: 24.1s	remaining: 27.9s
464:	learn: 0.0541737	total: 24.1s	remaining: 27.8s
465:	learn: 0.0540885	total: 24.2s	remaining: 27.7s
466:	learn: 0.0540813	total: 24.2s	remaining: 27.6s
467:	learn: 0.0540280	total: 24.3s	remaining: 27.6s
468:	learn: 0.0539508	total: 24.4s	remaining: 27.6s
469:	learn: 0.0538728	total: 24.4s	remaining: 27.5s
470:	learn: 0.0537910	total: 24.4s	remaining: 27.4s
471:	learn: 0.0537215	total: 24.4s	remaining: 27.3s
472:	learn: 0.0536286	total: 24.5s	remaining: 27.3s
473:	learn: 0.0535702	total: 24.5s	remaining: 27.2s
474:	learn: 0.0534715	total: 24.5s	remaining: 27.1s
475:	learn: 0.0533903	total: 24.6s	remaining: 27s
476:	learn: 0.0533009	total: 24.6s	remaining: 27s
477:	learn: 0.0532239	total: 24.6s	remaining: 26.9s
478:	learn: 0.0531268	total: 24.7s	remaining: 26.8s
479:	learn: 0.0530669	total: 24.7s	remaining: 26.8s
480:	learn: 0.0529922	total: 24.8s	remaining: 26.7s
380:	learn: 0.0660338	total: 20.3s	remaining: 33s
381:	learn: 0.0659185	total: 20.4s	remaining: 33s
382:	learn: 0.0658037	total: 20.4s	remaining: 32.9s
383:	learn: 0.0656882	total: 20.4s	remaining: 32.8s
384:	learn: 0.0655707	total: 20.6s	remaining: 32.8s
385:	learn: 0.0655138	total: 20.6s	remaining: 32.8s
386:	learn: 0.0654013	total: 20.7s	remaining: 32.7s
387:	learn: 0.0652805	total: 20.7s	remaining: 32.7s
388:	learn: 0.0651450	total: 20.7s	remaining: 32.6s
389:	learn: 0.0650370	total: 20.8s	remaining: 32.5s
390:	learn: 0.0648918	total: 20.8s	remaining: 32.4s
391:	learn: 0.0647659	total: 20.9s	remaining: 32.5s
392:	learn: 0.0646814	total: 20.9s	remaining: 32.3s

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393: learn: 0.0646149    total: 21s    remaining: 32.3s
394: learn: 0.0645077    total: 21s    remaining: 32.2s
395: learn: 0.0644482    total: 21.1s   remaining: 32.1s
396: learn: 0.0643430    total: 21.1s   remaining: 32s
397: learn: 0.0641604    total: 21.1s   remaining: 32s
398: learn: 0.0640850    total: 21.2s   remaining: 31.9s
399: learn: 0.0639297    total: 21.3s   remaining: 31.9s
400: learn: 0.0637634    total: 21.3s   remaining: 31.8s
401: learn: 0.0636922    total: 21.4s   remaining: 31.9s
402: learn: 0.0635269    total: 21.5s   remaining: 31.8s
403: learn: 0.0634024    total: 21.5s   remaining: 31.7s
404: learn: 0.0632483    total: 21.6s   remaining: 31.7s
405: learn: 0.0631509    total: 21.6s   remaining: 31.6s
406: learn: 0.0630319    total: 21.7s   remaining: 31.6s
407: learn: 0.0629323    total: 21.7s   remaining: 31.6s
408: learn: 0.0627919    total: 21.8s   remaining: 31.5s
409: learn: 0.0627137    total: 21.8s   remaining: 31.4s
410: learn: 0.0625480    total: 21.9s   remaining: 31.4s
411: learn: 0.0624254    total: 22s     remaining: 31.4s
412: learn: 0.0623423    total: 22.1s   remaining: 31.5s
413: learn: 0.0622174    total: 22.2s   remaining: 31.4s
414: learn: 0.0621645    total: 22.3s   remaining: 31.4s
415: learn: 0.0620896    total: 22.3s   remaining: 31.3s
416: learn: 0.0619921    total: 22.3s   remaining: 31.2s
417: learn: 0.0618832    total: 22.4s   remaining: 31.1s
418: learn: 0.0617735    total: 22.4s   remaining: 31.1s
419: learn: 0.0616847    total: 22.4s   remaining: 31s
420: learn: 0.0615878    total: 22.4s   remaining: 30.9s
421: learn: 0.0615059    total: 22.5s   remaining: 30.8s
422: learn: 0.0613881    total: 22.5s   remaining: 30.7s
423: learn: 0.0612588    total: 22.6s   remaining: 30.7s
424: learn: 0.0611732    total: 22.7s   remaining: 30.7s
425: learn: 0.0610574    total: 22.8s   remaining: 30.7s
426: learn: 0.0609891    total: 22.8s   remaining: 30.6s
427: learn: 0.0608645    total: 22.8s   remaining: 30.5s
428: learn: 0.0607755    total: 22.9s   remaining: 30.5s
429: learn: 0.0606282    total: 22.9s   remaining: 30.4s
430: learn: 0.0604920    total: 23s     remaining: 30.3s
431: learn: 0.0603714    total: 23s     remaining: 30.2s
432: learn: 0.0602388    total: 23.1s   remaining: 30.2s
433: learn: 0.0601748    total: 23.1s   remaining: 30.2s
434: learn: 0.0601526    total: 23.2s   remaining: 30.1s
435: learn: 0.0600461    total: 23.2s   remaining: 30.1s
436: learn: 0.0599507    total: 23.3s   remaining: 30s
437: learn: 0.0597800    total: 23.4s   remaining: 30s
438: learn: 0.0596889    total: 23.4s   remaining: 29.9s
439: learn: 0.0595619    total: 23.4s   remaining: 29.8s
440: learn: 0.0595302    total: 23.5s   remaining: 29.9s
441: learn: 0.0594153    total: 23.6s   remaining: 29.8s
442: learn: 0.0593899    total: 23.7s   remaining: 29.7s
443: learn: 0.0592576    total: 23.7s   remaining: 29.7s
444: learn: 0.0591129    total: 23.8s   remaining: 29.7s
445: learn: 0.0589838    total: 23.8s   remaining: 29.6s
446: learn: 0.0588739    total: 24s     remaining: 29.7s
447: learn: 0.0588548    total: 24s     remaining: 29.6s
448: learn: 0.0587773    total: 24.1s   remaining: 29.6s
449: learn: 0.0586966    total: 24.3s   remaining: 29.7s
450: learn: 0.0586485    total: 24.4s   remaining: 29.7s
451: learn: 0.0585873    total: 24.5s   remaining: 29.7s
452: learn: 0.0584962    total: 24.6s   remaining: 29.7s
453: learn: 0.0583961    total: 24.7s   remaining: 29.7s
454: learn: 0.0582836    total: 24.7s   remaining: 29.6s
455: learn: 0.0581720    total: 24.7s   remaining: 29.5s
456: learn: 0.0580859    total: 24.8s   remaining: 29.5s

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		houses_kaggle_competition_refined
457:	learn: 0.0579842	total: 24.8s remaining: 29.4s
458:	learn: 0.0578701	total: 24.9s remaining: 29.3s
459:	learn: 0.0577558	total: 24.9s remaining: 29.3s
460:	learn: 0.0576783	total: 25s remaining: 29.2s
461:	learn: 0.0575994	total: 25s remaining: 29.1s
462:	learn: 0.0575343	total: 25.1s remaining: 29.1s
463:	learn: 0.0573839	total: 25.2s remaining: 29.1s
464:	learn: 0.0572578	total: 25.2s remaining: 29s
465:	learn: 0.0571587	total: 25.3s remaining: 29s
466:	learn: 0.0570311	total: 25.4s remaining: 29s
467:	learn: 0.0569726	total: 25.5s remaining: 28.9s
468:	learn: 0.0569033	total: 25.5s remaining: 28.8s
469:	learn: 0.0567917	total: 25.5s remaining: 28.7s
470:	learn: 0.0566404	total: 25.5s remaining: 28.7s
471:	learn: 0.0565068	total: 25.5s remaining: 28.6s
472:	learn: 0.0564079	total: 25.6s remaining: 28.5s
473:	learn: 0.0562772	total: 25.6s remaining: 28.4s
474:	learn: 0.0561295	total: 25.6s remaining: 28.3s
475:	learn: 0.0560387	total: 25.6s remaining: 28.2s
476:	learn: 0.0559438	total: 25.7s remaining: 28.1s
477:	learn: 0.0558528	total: 25.8s remaining: 28.1s
478:	learn: 0.0557859	total: 25.8s remaining: 28.1s
479:	learn: 0.0556961	total: 25.9s remaining: 28s
480:	learn: 0.0556807	total: 25.9s remaining: 28s
481:	learn: 0.0555840	total: 26s remaining: 28s
482:	learn: 0.0555152	total: 26s remaining: 27.9s
483:	learn: 0.0553690	total: 26.1s remaining: 27.8s
484:	learn: 0.0553066	total: 26.1s remaining: 27.7s
485:	learn: 0.0552438	total: 26.2s remaining: 27.7s
486:	learn: 0.0551671	total: 26.2s remaining: 27.6s
487:	learn: 0.0550574	total: 26.2s remaining: 27.5s
488:	learn: 0.0549558	total: 26.3s remaining: 27.5s
489:	learn: 0.0548536	total: 26.4s remaining: 27.4s
490:	learn: 0.0547084	total: 26.5s remaining: 27.5s
491:	learn: 0.0545589	total: 26.5s remaining: 27.4s
492:	learn: 0.0545436	total: 26.5s remaining: 27.3s
493:	learn: 0.05444464	total: 26.6s remaining: 27.3s
494:	learn: 0.0543745	total: 26.7s remaining: 27.2s
495:	learn: 0.0542767	total: 26.8s remaining: 27.2s
496:	learn: 0.0541896	total: 26.9s remaining: 27.2s
497:	learn: 0.0540952	total: 27s remaining: 27.2s
498:	learn: 0.0540184	total: 27.1s remaining: 27.2s
499:	learn: 0.0539494	total: 27.1s remaining: 27.1s
500:	learn: 0.0538698	total: 27.2s remaining: 27.1s
501:	learn: 0.0537830	total: 27.3s remaining: 27.1s
502:	learn: 0.0536452	total: 27.4s remaining: 27.1s
503:	learn: 0.0535857	total: 27.5s remaining: 27s
504:	learn: 0.0535012	total: 27.5s remaining: 27s
505:	learn: 0.0533988	total: 27.6s remaining: 27s
506:	learn: 0.0533210	total: 27.7s remaining: 26.9s
507:	learn: 0.0533053	total: 27.7s remaining: 26.8s
508:	learn: 0.0532178	total: 27.7s remaining: 26.7s
509:	learn: 0.0531484	total: 27.8s remaining: 26.7s
510:	learn: 0.0530888	total: 27.8s remaining: 26.6s
511:	learn: 0.0529804	total: 27.9s remaining: 26.6s
512:	learn: 0.0529235	total: 28s remaining: 26.5s
513:	learn: 0.0528556	total: 28s remaining: 26.5s
514:	learn: 0.0528135	total: 28.1s remaining: 26.5s
515:	learn: 0.0527200	total: 28.1s remaining: 26.4s
516:	learn: 0.0526052	total: 28.2s remaining: 26.3s
517:	learn: 0.0525486	total: 28.2s remaining: 26.2s
518:	learn: 0.0525224	total: 28.2s remaining: 26.1s
519:	learn: 0.0524535	total: 28.3s remaining: 26.1s
520:	learn: 0.0523569	total: 28.3s remaining: 26s

521:	learn: 0.0522585	total: 28.3s	remaining: 25.9s
522:	learn: 0.0522052	total: 28.3s	remaining: 25.8s
523:	learn: 0.0521419	total: 28.4s	remaining: 25.8s
524:	learn: 0.0520562	total: 28.4s	remaining: 25.7s
525:	learn: 0.0520469	total: 28.4s	remaining: 25.6s
526:	learn: 0.0519290	total: 28.4s	remaining: 25.5s
527:	learn: 0.0518530	total: 28.5s	remaining: 25.4s
528:	learn: 0.0517935	total: 28.5s	remaining: 25.4s
529:	learn: 0.0517286	total: 28.5s	remaining: 25.3s
530:	learn: 0.0516558	total: 28.6s	remaining: 25.2s
531:	learn: 0.0516451	total: 28.6s	remaining: 25.1s
532:	learn: 0.0515618	total: 28.6s	remaining: 25.1s
533:	learn: 0.0514465	total: 28.7s	remaining: 25s
534:	learn: 0.0513399	total: 29s	remaining: 25.2s
535:	learn: 0.0512331	total: 29s	remaining: 25.1s
536:	learn: 0.0511791	total: 29s	remaining: 25s
537:	learn: 0.0510964	total: 29.1s	remaining: 25s
538:	learn: 0.0510005	total: 29.2s	remaining: 25s
378:	learn: 0.0710889	total: 23.1s	remaining: 37.8s
379:	learn: 0.0709635	total: 23.1s	remaining: 37.7s
380:	learn: 0.0708497	total: 23.2s	remaining: 37.7s
381:	learn: 0.0706987	total: 23.2s	remaining: 37.6s
382:	learn: 0.0706056	total: 23.3s	remaining: 37.5s
383:	learn: 0.0705058	total: 23.3s	remaining: 37.3s
384:	learn: 0.0703733	total: 23.3s	remaining: 37.2s
385:	learn: 0.0701845	total: 23.3s	remaining: 37.1s
386:	learn: 0.0700747	total: 23.4s	remaining: 37.1s
387:	learn: 0.0699624	total: 23.4s	remaining: 36.9s
388:	learn: 0.0698668	total: 23.4s	remaining: 36.8s
389:	learn: 0.0697462	total: 23.5s	remaining: 36.7s
390:	learn: 0.0695790	total: 23.6s	remaining: 36.8s
391:	learn: 0.0694949	total: 23.6s	remaining: 36.6s
392:	learn: 0.0694055	total: 23.7s	remaining: 36.6s
393:	learn: 0.0693482	total: 23.7s	remaining: 36.5s
394:	learn: 0.0692549	total: 23.8s	remaining: 36.4s
395:	learn: 0.0691015	total: 23.8s	remaining: 36.3s
396:	learn: 0.0690729	total: 23.8s	remaining: 36.2s
397:	learn: 0.0689673	total: 23.9s	remaining: 36.2s
398:	learn: 0.0689152	total: 24s	remaining: 36.1s
399:	learn: 0.0687827	total: 24s	remaining: 36s
400:	learn: 0.0686747	total: 24.2s	remaining: 36.2s
401:	learn: 0.0685820	total: 24.3s	remaining: 36.2s
402:	learn: 0.0684562	total: 24.4s	remaining: 36.1s
403:	learn: 0.0683540	total: 24.5s	remaining: 36.1s
404:	learn: 0.0683439	total: 24.6s	remaining: 36.1s
405:	learn: 0.0682044	total: 24.7s	remaining: 36.1s
406:	learn: 0.0681931	total: 24.8s	remaining: 36.1s
407:	learn: 0.0680222	total: 24.8s	remaining: 36s
408:	learn: 0.0678883	total: 24.8s	remaining: 35.9s
409:	learn: 0.0678080	total: 24.9s	remaining: 35.9s
410:	learn: 0.0676618	total: 25s	remaining: 35.8s
411:	learn: 0.0675897	total: 25.1s	remaining: 35.8s
412:	learn: 0.0674708	total: 25.1s	remaining: 35.7s
413:	learn: 0.0673712	total: 25.2s	remaining: 35.6s
414:	learn: 0.0672651	total: 25.2s	remaining: 35.5s
415:	learn: 0.0670998	total: 25.3s	remaining: 35.5s
416:	learn: 0.0669636	total: 25.3s	remaining: 35.4s
417:	learn: 0.0669128	total: 25.4s	remaining: 35.3s
418:	learn: 0.0668123	total: 25.4s	remaining: 35.3s
419:	learn: 0.0666526	total: 25.6s	remaining: 35.3s
420:	learn: 0.0665874	total: 25.6s	remaining: 35.2s
421:	learn: 0.0665065	total: 25.6s	remaining: 35.1s
422:	learn: 0.0664121	total: 25.7s	remaining: 35s
423:	learn: 0.0662538	total: 25.7s	remaining: 34.9s

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424: learn: 0.0661610    total: 25.8s  remaining: 34.9s
425: learn: 0.0660789    total: 25.9s  remaining: 34.9s
426: learn: 0.0659686    total: 25.9s  remaining: 34.8s
427: learn: 0.0658858    total: 26s    remaining: 34.7s
428: learn: 0.0658007    total: 26s    remaining: 34.6s
429: learn: 0.0657183    total: 26.1s  remaining: 34.6s
430: learn: 0.0656000    total: 26.1s  remaining: 34.5s
431: learn: 0.0654952    total: 26.2s  remaining: 34.4s
432: learn: 0.0653403    total: 26.2s  remaining: 34.3s
433: learn: 0.0652980    total: 26.3s  remaining: 34.3s
434: learn: 0.0652380    total: 26.3s  remaining: 34.1s
435: learn: 0.0651646    total: 26.3s  remaining: 34s
436: learn: 0.0650441    total: 26.3s  remaining: 33.9s
437: learn: 0.0649731    total: 26.4s  remaining: 33.8s
438: learn: 0.0648903    total: 26.4s  remaining: 33.8s
439: learn: 0.0647716    total: 26.5s  remaining: 33.7s
440: learn: 0.0646638    total: 26.6s  remaining: 33.7s
441: learn: 0.0645008    total: 26.7s  remaining: 33.7s
442: learn: 0.0643303    total: 26.8s  remaining: 33.7s
443: learn: 0.0642297    total: 26.9s  remaining: 33.7s
444: learn: 0.0641404    total: 27s    remaining: 33.6s
445: learn: 0.0640639    total: 27s    remaining: 33.6s
446: learn: 0.0639292    total: 27.1s  remaining: 33.5s
447: learn: 0.0638043    total: 27.2s  remaining: 33.5s
448: learn: 0.0637235    total: 27.2s  remaining: 33.4s
449: learn: 0.0636287    total: 27.2s  remaining: 33.3s
450: learn: 0.0634646    total: 27.3s  remaining: 33.2s
451: learn: 0.0633402    total: 27.3s  remaining: 33.1s
452: learn: 0.0632367    total: 27.4s  remaining: 33.1s
453: learn: 0.0632263    total: 27.5s  remaining: 33s
454: learn: 0.0631564    total: 27.5s  remaining: 32.9s
455: learn: 0.0630115    total: 27.5s  remaining: 32.8s
456: learn: 0.0629474    total: 27.6s  remaining: 32.8s
457: learn: 0.0628301    total: 27.7s  remaining: 32.8s
458: learn: 0.0627477    total: 27.7s  remaining: 32.6s
459: learn: 0.0626372    total: 27.8s  remaining: 32.6s
460: learn: 0.0625365    total: 27.8s  remaining: 32.6s
461: learn: 0.0624424    total: 27.9s  remaining: 32.5s
462: learn: 0.0623902    total: 27.9s  remaining: 32.4s
463: learn: 0.0623463    total: 28s    remaining: 32.3s
464: learn: 0.0622388    total: 28s    remaining: 32.2s
465: learn: 0.0621354    total: 28.1s  remaining: 32.2s
466: learn: 0.0620711    total: 28.1s  remaining: 32.1s
467: learn: 0.0620360    total: 28.1s  remaining: 31.9s
468: learn: 0.0618909    total: 28.1s  remaining: 31.8s
469: learn: 0.0617707    total: 28.2s  remaining: 31.8s
470: learn: 0.0616704    total: 28.2s  remaining: 31.6s
471: learn: 0.0615134    total: 28.3s  remaining: 31.7s
472: learn: 0.0614039    total: 28.3s  remaining: 31.6s
473: learn: 0.0612361    total: 28.4s  remaining: 31.5s
474: learn: 0.0610866    total: 28.4s  remaining: 31.4s
475: learn: 0.0610528    total: 28.4s  remaining: 31.3s
476: learn: 0.0609501    total: 28.5s  remaining: 31.2s
477: learn: 0.0608639    total: 28.5s  remaining: 31.1s
478: learn: 0.0606913    total: 28.6s  remaining: 31.1s
479: learn: 0.0605316    total: 28.6s  remaining: 31s
480: learn: 0.0604270    total: 28.6s  remaining: 30.9s
481: learn: 0.0602820    total: 28.7s  remaining: 30.9s
482: learn: 0.0601986    total: 28.8s  remaining: 30.8s
483: learn: 0.0600799    total: 28.8s  remaining: 30.7s
484: learn: 0.0599544    total: 28.8s  remaining: 30.6s
485: learn: 0.0597879    total: 28.9s  remaining: 30.5s
486: learn: 0.0596559    total: 28.9s  remaining: 30.5s
487: learn: 0.0595552    total: 28.9s  remaining: 30.4s

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488: learn: 0.0594996    total: 29s      remaining: 30.3s
489: learn: 0.0594309    total: 29s      remaining: 30.2s
490: learn: 0.0593988    total: 29s      remaining: 30.1s
491: learn: 0.0593581    total: 29.2s     remaining: 30.1s
492: learn: 0.0592885    total: 29.2s     remaining: 30s
493: learn: 0.0591456    total: 29.2s     remaining: 29.9s
494: learn: 0.0590517    total: 29.3s     remaining: 29.9s
495: learn: 0.0589335    total: 29.3s     remaining: 29.8s
496: learn: 0.0588334    total: 29.3s     remaining: 29.7s
497: learn: 0.0587552    total: 29.4s     remaining: 29.6s
498: learn: 0.0586314    total: 29.4s     remaining: 29.5s
499: learn: 0.0585117    total: 29.4s     remaining: 29.4s
500: learn: 0.0584109    total: 29.5s     remaining: 29.4s
501: learn: 0.0583277    total: 29.5s     remaining: 29.2s
502: learn: 0.0582140    total: 29.5s     remaining: 29.2s
503: learn: 0.0581270    total: 29.6s     remaining: 29.1s
504: learn: 0.0580279    total: 29.6s     remaining: 29s
505: learn: 0.0579109    total: 29.6s     remaining: 28.9s
506: learn: 0.0578457    total: 29.6s     remaining: 28.8s
507: learn: 0.0577198    total: 29.6s     remaining: 28.7s
508: learn: 0.0576057    total: 29.6s     remaining: 28.6s
509: learn: 0.0575828    total: 29.6s     remaining: 28.5s
510: learn: 0.0575363    total: 29.7s     remaining: 28.4s
511: learn: 0.0574825    total: 29.7s     remaining: 28.3s
512: learn: 0.0573769    total: 29.9s     remaining: 28.4s
513: learn: 0.0573188    total: 29.9s     remaining: 28.3s
514: learn: 0.0572125    total: 30s       remaining: 28.2s
515: learn: 0.0571352    total: 30s       remaining: 28.1s
516: learn: 0.0570490    total: 30s       remaining: 28s
517: learn: 0.0569317    total: 30.1s     remaining: 28s
518: learn: 0.0568671    total: 30.1s     remaining: 27.9s
519: learn: 0.0568187    total: 30.1s     remaining: 27.8s
520: learn: 0.0566528    total: 30.2s     remaining: 27.7s
521: learn: 0.0565829    total: 30.2s     remaining: 27.7s
522: learn: 0.0564850    total: 30.2s     remaining: 27.6s
523: learn: 0.0563642    total: 30.2s     remaining: 27.5s
524: learn: 0.0562309    total: 30.3s     remaining: 27.4s
525: learn: 0.0560841    total: 30.3s     remaining: 27.3s
526: learn: 0.0560232    total: 30.3s     remaining: 27.2s
527: learn: 0.0559165    total: 30.4s     remaining: 27.2s
528: learn: 0.0558011    total: 30.4s     remaining: 27.1s
529: learn: 0.0557131    total: 30.4s     remaining: 27s
530: learn: 0.0556165    total: 30.5s     remaining: 26.9s
531: learn: 0.0555219    total: 30.5s     remaining: 26.9s
532: learn: 0.0554343    total: 30.6s     remaining: 26.8s
533: learn: 0.0553066    total: 30.6s     remaining: 26.7s
534: learn: 0.0551909    total: 30.7s     remaining: 26.7s
535: learn: 0.0551018    total: 30.8s     remaining: 26.6s
380: learn: 0.0680058    total: 25.3s     remaining: 41.2s
381: learn: 0.0678572    total: 25.4s     remaining: 41.1s
382: learn: 0.0677393    total: 25.5s     remaining: 41.1s
383: learn: 0.0676274    total: 25.6s     remaining: 41.1s
384: learn: 0.0675941    total: 25.7s     remaining: 41.1s
385: learn: 0.0674148    total: 25.7s     remaining: 41s
386: learn: 0.0672736    total: 25.9s     remaining: 41s
387: learn: 0.0671338    total: 25.9s     remaining: 40.9s
388: learn: 0.0670120    total: 26s       remaining: 40.8s
389: learn: 0.0668799    total: 26s       remaining: 40.7s
390: learn: 0.0668183    total: 26.1s     remaining: 40.6s
391: learn: 0.0666298    total: 26.2s     remaining: 40.6s
392: learn: 0.0665123    total: 26.2s     remaining: 40.5s
393: learn: 0.0663736    total: 26.2s     remaining: 40.3s
394: learn: 0.0662759    total: 26.2s     remaining: 40.2s
395: learn: 0.0661372    total: 26.3s     remaining: 40.2s

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396:	learn: 0.0660013	total: 26.4s	remaining: 40.1s
397:	learn: 0.0658839	total: 26.4s	remaining: 39.9s
398:	learn: 0.0658129	total: 26.5s	remaining: 39.9s
399:	learn: 0.0656471	total: 26.6s	remaining: 39.9s
400:	learn: 0.0655353	total: 26.7s	remaining: 39.8s
401:	learn: 0.0654337	total: 26.7s	remaining: 39.7s
402:	learn: 0.0652751	total: 26.7s	remaining: 39.6s
403:	learn: 0.0651337	total: 26.8s	remaining: 39.6s
404:	learn: 0.0649756	total: 26.9s	remaining: 39.5s
405:	learn: 0.0649302	total: 26.9s	remaining: 39.3s
406:	learn: 0.0648092	total: 26.9s	remaining: 39.2s
407:	learn: 0.0647273	total: 27s	remaining: 39.1s
408:	learn: 0.0647125	total: 27.1s	remaining: 39.2s
409:	learn: 0.0645910	total: 27.1s	remaining: 39s
410:	learn: 0.0644686	total: 27.1s	remaining: 38.9s
411:	learn: 0.0643383	total: 27.2s	remaining: 38.8s
412:	learn: 0.0642283	total: 27.2s	remaining: 38.7s
413:	learn: 0.0641148	total: 27.3s	remaining: 38.6s
414:	learn: 0.0640122	total: 27.3s	remaining: 38.5s
415:	learn: 0.0638885	total: 27.3s	remaining: 38.4s
416:	learn: 0.0637840	total: 27.4s	remaining: 38.3s
417:	learn: 0.0636261	total: 27.4s	remaining: 38.2s
418:	learn: 0.0635587	total: 27.4s	remaining: 38.1s
419:	learn: 0.0634783	total: 27.5s	remaining: 38s
420:	learn: 0.0633951	total: 27.6s	remaining: 38s
421:	learn: 0.0633008	total: 27.7s	remaining: 37.9s
422:	learn: 0.0631989	total: 27.7s	remaining: 37.8s
423:	learn: 0.0630814	total: 27.7s	remaining: 37.7s
424:	learn: 0.0629192	total: 27.8s	remaining: 37.6s
425:	learn: 0.0628140	total: 27.8s	remaining: 37.5s
426:	learn: 0.0626753	total: 27.9s	remaining: 37.4s
427:	learn: 0.0625302	total: 28s	remaining: 37.4s
428:	learn: 0.0624613	total: 28s	remaining: 37.3s
429:	learn: 0.0623765	total: 28s	remaining: 37.2s
430:	learn: 0.0623105	total: 28.1s	remaining: 37s
431:	learn: 0.0622395	total: 28.1s	remaining: 36.9s
432:	learn: 0.0621789	total: 28.1s	remaining: 36.8s
433:	learn: 0.0620313	total: 28.2s	remaining: 36.7s
434:	learn: 0.0620184	total: 28.2s	remaining: 36.6s
435:	learn: 0.0619170	total: 28.2s	remaining: 36.4s
436:	learn: 0.0618826	total: 28.2s	remaining: 36.4s
437:	learn: 0.0617674	total: 28.3s	remaining: 36.3s
438:	learn: 0.0616390	total: 28.3s	remaining: 36.1s
439:	learn: 0.0615303	total: 28.3s	remaining: 36.1s
440:	learn: 0.0613709	total: 28.4s	remaining: 36s
441:	learn: 0.0612324	total: 28.4s	remaining: 35.9s
442:	learn: 0.0610798	total: 28.4s	remaining: 35.8s
443:	learn: 0.0609762	total: 28.5s	remaining: 35.7s
444:	learn: 0.0608857	total: 28.5s	remaining: 35.5s
445:	learn: 0.0607957	total: 28.5s	remaining: 35.5s
446:	learn: 0.0606987	total: 28.6s	remaining: 35.3s
447:	learn: 0.0605482	total: 28.6s	remaining: 35.2s
448:	learn: 0.0604839	total: 28.6s	remaining: 35.1s
449:	learn: 0.0603829	total: 28.6s	remaining: 34.9s
450:	learn: 0.0602581	total: 28.6s	remaining: 34.8s
451:	learn: 0.0601299	total: 28.6s	remaining: 34.7s
452:	learn: 0.0600423	total: 28.6s	remaining: 34.5s
453:	learn: 0.0599936	total: 28.8s	remaining: 34.6s
454:	learn: 0.0599097	total: 28.9s	remaining: 34.6s
455:	learn: 0.0598069	total: 28.9s	remaining: 34.5s
456:	learn: 0.0597614	total: 28.9s	remaining: 34.4s
457:	learn: 0.0596634	total: 28.9s	remaining: 34.2s
458:	learn: 0.0595860	total: 28.9s	remaining: 34.1s
459:	learn: 0.0594797	total: 28.9s	remaining: 34s

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460: learn: 0.0593380    total: 28.9s  remaining: 33.8s
461: learn: 0.0591905    total: 29s   remaining: 33.7s
462: learn: 0.0591408    total: 29s   remaining: 33.6s
463: learn: 0.0590892    total: 29s   remaining: 33.5s
464: learn: 0.0589708    total: 29s   remaining: 33.4s
465: learn: 0.0588696    total: 29s   remaining: 33.3s
466: learn: 0.0587659    total: 29s   remaining: 33.1s
467: learn: 0.0587062    total: 29s   remaining: 33s
468: learn: 0.0586396    total: 29.1s  remaining: 32.9s
469: learn: 0.0585474    total: 29.1s  remaining: 32.8s
470: learn: 0.0584436    total: 29.3s  remaining: 32.9s
471: learn: 0.0584195    total: 29.3s  remaining: 32.8s
472: learn: 0.0582874    total: 29.4s  remaining: 32.8s
473: learn: 0.0581821    total: 29.5s  remaining: 32.7s
474: learn: 0.0580747    total: 29.5s  remaining: 32.6s
475: learn: 0.0579740    total: 29.6s  remaining: 32.5s
476: learn: 0.0578572    total: 29.6s  remaining: 32.4s
477: learn: 0.0577386    total: 29.6s  remaining: 32.3s
478: learn: 0.0576369    total: 29.6s  remaining: 32.2s
479: learn: 0.0575467    total: 29.7s  remaining: 32.1s
480: learn: 0.0575142    total: 29.7s  remaining: 32s
481: learn: 0.0574236    total: 29.7s  remaining: 31.9s
482: learn: 0.0573603    total: 29.7s  remaining: 31.8s
483: learn: 0.0572821    total: 29.8s  remaining: 31.7s
484: learn: 0.0571806    total: 29.8s  remaining: 31.6s
485: learn: 0.0570847    total: 29.8s  remaining: 31.5s
486: learn: 0.0569853    total: 29.9s  remaining: 31.5s
487: learn: 0.0568985    total: 29.9s  remaining: 31.4s
488: learn: 0.0568204    total: 30s   remaining: 31.3s
489: learn: 0.0566972    total: 30s   remaining: 31.3s
490: learn: 0.0565980    total: 30s   remaining: 31.1s
491: learn: 0.0565089    total: 30.1s  remaining: 31.1s
492: learn: 0.0565011    total: 30.1s  remaining: 31s
493: learn: 0.0564378    total: 30.2s  remaining: 30.9s
494: learn: 0.0564066    total: 30.2s  remaining: 30.9s
495: learn: 0.0563671    total: 30.3s  remaining: 30.8s
496: learn: 0.0563362    total: 30.3s  remaining: 30.7s
497: learn: 0.0562554    total: 30.4s  remaining: 30.6s
498: learn: 0.0562070    total: 30.4s  remaining: 30.6s
499: learn: 0.0561184    total: 30.4s  remaining: 30.4s
500: learn: 0.0560907    total: 30.6s  remaining: 30.4s
501: learn: 0.0560171    total: 30.6s  remaining: 30.4s
502: learn: 0.0558944    total: 30.6s  remaining: 30.3s
503: learn: 0.0558045    total: 30.7s  remaining: 30.2s
504: learn: 0.0557965    total: 30.7s  remaining: 30.1s
505: learn: 0.0556605    total: 30.8s  remaining: 30s
506: learn: 0.0556141    total: 30.8s  remaining: 29.9s
507: learn: 0.0555796    total: 30.8s  remaining: 29.9s
508: learn: 0.0554639    total: 30.9s  remaining: 29.8s
509: learn: 0.0553808    total: 31s   remaining: 29.7s
510: learn: 0.0553074    total: 31s   remaining: 29.7s
511: learn: 0.0551937    total: 31.1s  remaining: 29.6s
512: learn: 0.0551750    total: 31.1s  remaining: 29.5s
513: learn: 0.0550557    total: 31.1s  remaining: 29.4s
514: learn: 0.0549894    total: 31.2s  remaining: 29.4s
515: learn: 0.0548731    total: 31.2s  remaining: 29.3s
516: learn: 0.0547828    total: 31.3s  remaining: 29.2s
517: learn: 0.0547020    total: 31.3s  remaining: 29.1s
518: learn: 0.0546151    total: 31.3s  remaining: 29s
519: learn: 0.0545553    total: 31.3s  remaining: 28.9s
520: learn: 0.0544875    total: 31.4s  remaining: 28.8s
521: learn: 0.0543745    total: 31.4s  remaining: 28.8s
522: learn: 0.0542695    total: 31.4s  remaining: 28.7s
523: learn: 0.0542007    total: 31.5s  remaining: 28.6s

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524: learn: 0.0541009    total: 31.5s  remaining: 28.5s
525: learn: 0.0539838    total: 31.6s  remaining: 28.5s
526: learn: 0.0539213    total: 31.7s  remaining: 28.5s
527: learn: 0.0538684    total: 31.8s  remaining: 28.4s
528: learn: 0.0538301    total: 31.8s  remaining: 28.3s
529: learn: 0.0537207    total: 32s    remaining: 28.3s
530: learn: 0.0536212    total: 32s    remaining: 28.2s
531: learn: 0.0534922    total: 32s    remaining: 28.2s
532: learn: 0.0533922    total: 32s    remaining: 28.1s
533: learn: 0.0533827    total: 32s    remaining: 28s
534: learn: 0.0533187    total: 32.1s  remaining: 27.9s
535: learn: 0.0532462    total: 32.1s  remaining: 27.8s
536: learn: 0.0531540    total: 32.1s  remaining: 27.7s
537: learn: 0.0530531    total: 32.1s  remaining: 27.6s
541: learn: 0.0539306    total: 28.4s  remaining: 24s
542: learn: 0.0539217    total: 28.4s  remaining: 23.9s
543: learn: 0.0538759    total: 28.4s  remaining: 23.8s
544: learn: 0.0537673    total: 28.4s  remaining: 23.7s
545: learn: 0.0537105    total: 28.5s  remaining: 23.7s
546: learn: 0.0536143    total: 28.5s  remaining: 23.6s
547: learn: 0.0535418    total: 28.6s  remaining: 23.6s
548: learn: 0.0534842    total: 28.6s  remaining: 23.5s
549: learn: 0.0534105    total: 28.6s  remaining: 23.4s
550: learn: 0.0533130    total: 28.8s  remaining: 23.5s
551: learn: 0.0532570    total: 28.9s  remaining: 23.4s
552: learn: 0.0531954    total: 28.9s  remaining: 23.3s
553: learn: 0.0530982    total: 28.9s  remaining: 23.2s
554: learn: 0.0530374    total: 29s    remaining: 23.2s
555: learn: 0.0529803    total: 29.1s  remaining: 23.2s
556: learn: 0.0528937    total: 29.2s  remaining: 23.2s
557: learn: 0.0528309    total: 29.2s  remaining: 23.1s
558: learn: 0.0527274    total: 29.2s  remaining: 23s
559: learn: 0.0526669    total: 29.2s  remaining: 22.9s
560: learn: 0.0525323    total: 29.3s  remaining: 22.9s
561: learn: 0.0524587    total: 29.3s  remaining: 22.9s
562: learn: 0.0523783    total: 29.4s  remaining: 22.8s
563: learn: 0.0523243    total: 29.4s  remaining: 22.7s
564: learn: 0.0522527    total: 29.4s  remaining: 22.7s
565: learn: 0.0521451    total: 29.4s  remaining: 22.6s
566: learn: 0.0520918    total: 29.5s  remaining: 22.5s
567: learn: 0.0520166    total: 29.5s  remaining: 22.5s
568: learn: 0.0519414    total: 29.6s  remaining: 22.4s
569: learn: 0.0518541    total: 29.6s  remaining: 22.3s
570: learn: 0.0517984    total: 29.6s  remaining: 22.2s
571: learn: 0.0517402    total: 29.6s  remaining: 22.2s
572: learn: 0.0516096    total: 29.6s  remaining: 22.1s
573: learn: 0.0514795    total: 29.6s  remaining: 22s
574: learn: 0.0514256    total: 29.7s  remaining: 21.9s
575: learn: 0.0513738    total: 29.7s  remaining: 21.9s
576: learn: 0.0512545    total: 29.7s  remaining: 21.8s
577: learn: 0.0511805    total: 29.7s  remaining: 21.7s
578: learn: 0.0511218    total: 29.7s  remaining: 21.6s
579: learn: 0.0510560    total: 29.7s  remaining: 21.5s
580: learn: 0.0509583    total: 29.7s  remaining: 21.4s
581: learn: 0.0508797    total: 29.7s  remaining: 21.4s
582: learn: 0.0507962    total: 29.7s  remaining: 21.3s
583: learn: 0.0507469    total: 29.8s  remaining: 21.2s
584: learn: 0.0506440    total: 29.8s  remaining: 21.1s
585: learn: 0.0505344    total: 29.9s  remaining: 21.1s
586: learn: 0.0504644    total: 30s    remaining: 21.1s
587: learn: 0.0503516    total: 30s    remaining: 21s
588: learn: 0.0502732    total: 30s    remaining: 20.9s
589: learn: 0.0502253    total: 30s    remaining: 20.9s
590: learn: 0.0501387    total: 30.1s  remaining: 20.8s

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591: learn: 0.0500699    total: 30.1s  remaining: 20.8s
592: learn: 0.0499994    total: 30.1s  remaining: 20.7s
593: learn: 0.0498998    total: 30.2s  remaining: 20.6s
594: learn: 0.0498501    total: 30.2s  remaining: 20.6s
595: learn: 0.0497584    total: 30.2s  remaining: 20.5s
596: learn: 0.0496979    total: 30.3s  remaining: 20.4s
597: learn: 0.0496610    total: 30.3s  remaining: 20.4s
598: learn: 0.0495749    total: 30.4s  remaining: 20.3s
599: learn: 0.0495326    total: 30.4s  remaining: 20.3s
600: learn: 0.0494791    total: 30.4s  remaining: 20.2s
601: learn: 0.0494155    total: 30.5s  remaining: 20.2s
602: learn: 0.0493543    total: 30.5s  remaining: 20.1s
603: learn: 0.0493116    total: 30.5s  remaining: 20s
604: learn: 0.0493025    total: 30.6s  remaining: 20s
605: learn: 0.0492487    total: 30.6s  remaining: 19.9s
606: learn: 0.0491869    total: 30.7s  remaining: 19.8s
607: learn: 0.0491011    total: 30.7s  remaining: 19.8s
608: learn: 0.0490268    total: 30.7s  remaining: 19.7s
609: learn: 0.0489595    total: 30.8s  remaining: 19.7s
610: learn: 0.0487986    total: 30.8s  remaining: 19.6s
611: learn: 0.0487313    total: 30.8s  remaining: 19.5s
612: learn: 0.0487235    total: 30.8s  remaining: 19.5s
613: learn: 0.0486407    total: 30.9s  remaining: 19.4s
614: learn: 0.0485630    total: 30.9s  remaining: 19.3s
615: learn: 0.0484749    total: 30.9s  remaining: 19.3s
616: learn: 0.0483689    total: 31s   remaining: 19.2s
617: learn: 0.0483174    total: 31s   remaining: 19.2s
618: learn: 0.0482318    total: 31s   remaining: 19.1s
619: learn: 0.0481432    total: 31s   remaining: 19s
620: learn: 0.0480310    total: 31.1s  remaining: 19s
621: learn: 0.0479896    total: 31.1s  remaining: 18.9s
622: learn: 0.0478840    total: 31.2s  remaining: 18.9s
623: learn: 0.0478084    total: 31.2s  remaining: 18.8s
624: learn: 0.0477332    total: 31.3s  remaining: 18.8s
625: learn: 0.0476453    total: 31.3s  remaining: 18.7s
626: learn: 0.0475362    total: 31.3s  remaining: 18.6s
627: learn: 0.0474288    total: 31.3s  remaining: 18.6s
628: learn: 0.0473540    total: 31.3s  remaining: 18.5s
629: learn: 0.0472995    total: 31.4s  remaining: 18.5s
630: learn: 0.0472540    total: 31.5s  remaining: 18.4s
631: learn: 0.0471713    total: 31.5s  remaining: 18.4s
632: learn: 0.0471281    total: 31.6s  remaining: 18.3s
633: learn: 0.0470365    total: 31.6s  remaining: 18.3s
634: learn: 0.0470072    total: 31.7s  remaining: 18.2s
635: learn: 0.0469606    total: 31.7s  remaining: 18.2s
636: learn: 0.0468736    total: 31.8s  remaining: 18.1s
637: learn: 0.0467979    total: 31.8s  remaining: 18s
638: learn: 0.0467093    total: 31.8s  remaining: 18s
639: learn: 0.0466533    total: 31.9s  remaining: 17.9s
640: learn: 0.0466103    total: 31.9s  remaining: 17.9s
641: learn: 0.0465043    total: 32s   remaining: 17.8s
642: learn: 0.0464403    total: 32.1s  remaining: 17.8s
643: learn: 0.0463906    total: 32.1s  remaining: 17.7s
644: learn: 0.0463177    total: 32.2s  remaining: 17.7s
645: learn: 0.0462266    total: 32.2s  remaining: 17.6s
646: learn: 0.0461568    total: 32.3s  remaining: 17.6s
647: learn: 0.0460813    total: 32.3s  remaining: 17.6s
648: learn: 0.0459539    total: 32.4s  remaining: 17.5s
649: learn: 0.0458993    total: 32.4s  remaining: 17.4s
650: learn: 0.0458364    total: 32.4s  remaining: 17.4s
651: learn: 0.0457823    total: 32.5s  remaining: 17.3s
652: learn: 0.0457398    total: 32.5s  remaining: 17.3s
653: learn: 0.0457002    total: 32.5s  remaining: 17.2s
654: learn: 0.0455907    total: 32.5s  remaining: 17.1s

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655: learn: 0.0455294      total: 32.6s  remaining: 17.1s
656: learn: 0.0454820      total: 32.6s  remaining: 17s
657: learn: 0.0454203      total: 32.7s  remaining: 17s
658: learn: 0.0453848      total: 32.8s  remaining: 17s
659: learn: 0.0453254      total: 32.8s  remaining: 16.9s
660: learn: 0.0452265      total: 32.9s  remaining: 16.9s
661: learn: 0.0451798      total: 32.9s  remaining: 16.8s
662: learn: 0.0451224      total: 32.9s  remaining: 16.7s
663: learn: 0.0450726      total: 32.9s  remaining: 16.7s
664: learn: 0.0450062      total: 33.1s  remaining: 16.7s
665: learn: 0.0449569      total: 33.1s  remaining: 16.6s
666: learn: 0.0449409      total: 33.2s  remaining: 16.6s
667: learn: 0.0448837      total: 33.2s  remaining: 16.5s
668: learn: 0.0448127      total: 33.2s  remaining: 16.4s
669: learn: 0.0447208      total: 33.2s  remaining: 16.4s
670: learn: 0.0446403      total: 33.3s  remaining: 16.3s
671: learn: 0.0445823      total: 33.3s  remaining: 16.3s
672: learn: 0.0445765      total: 33.3s  remaining: 16.2s
673: learn: 0.0445017      total: 33.3s  remaining: 16.1s
674: learn: 0.0444433      total: 33.4s  remaining: 16.1s
675: learn: 0.0443755      total: 33.4s  remaining: 16s
676: learn: 0.0442276      total: 33.5s  remaining: 16s
677: learn: 0.0441593      total: 33.5s  remaining: 15.9s
678: learn: 0.0441072      total: 33.5s  remaining: 15.8s
679: learn: 0.0441000      total: 33.5s  remaining: 15.8s
680: learn: 0.0440295      total: 33.6s  remaining: 15.7s
681: learn: 0.0440231      total: 33.6s  remaining: 15.7s
682: learn: 0.0439322      total: 33.6s  remaining: 15.6s
683: learn: 0.0438768      total: 33.7s  remaining: 15.6s
684: learn: 0.0438718      total: 33.7s  remaining: 15.5s
685: learn: 0.0437938      total: 33.8s  remaining: 15.5s
686: learn: 0.0437017      total: 33.8s  remaining: 15.4s
687: learn: 0.0436389      total: 33.9s  remaining: 15.4s
688: learn: 0.0436289      total: 33.9s  remaining: 15.3s
689: learn: 0.0435644      total: 33.9s  remaining: 15.2s
690: learn: 0.0435161      total: 34s   remaining: 15.2s
691: learn: 0.0435058      total: 34s   remaining: 15.1s
692: learn: 0.0434319      total: 34s   remaining: 15.1s
693: learn: 0.0433667      total: 34s   remaining: 15s
694: learn: 0.0433610      total: 34.1s  remaining: 15s
695: learn: 0.0433141      total: 34.1s  remaining: 14.9s
696: learn: 0.0432573      total: 34.1s  remaining: 14.8s
697: learn: 0.0432529      total: 34.2s  remaining: 14.8s
698: learn: 0.0432486      total: 34.3s  remaining: 14.7s
539: learn: 0.0509169      total: 29.2s  remaining: 24.9s
540: learn: 0.0508461      total: 29.3s  remaining: 24.8s
541: learn: 0.0507875      total: 29.3s  remaining: 24.7s
542: learn: 0.0507080      total: 29.3s  remaining: 24.7s
543: learn: 0.0506185      total: 29.3s  remaining: 24.6s
544: learn: 0.0505006      total: 29.4s  remaining: 24.5s
545: learn: 0.0504103      total: 29.4s  remaining: 24.4s
546: learn: 0.0503535      total: 29.4s  remaining: 24.4s
547: learn: 0.0502942      total: 29.4s  remaining: 24.3s
548: learn: 0.0501981      total: 29.4s  remaining: 24.2s
549: learn: 0.0501034      total: 29.5s  remaining: 24.1s
550: learn: 0.0500256      total: 29.5s  remaining: 24s
551: learn: 0.0499349      total: 29.5s  remaining: 23.9s
552: learn: 0.0498224      total: 29.5s  remaining: 23.9s
553: learn: 0.0497304      total: 29.5s  remaining: 23.8s
554: learn: 0.0496377      total: 29.6s  remaining: 23.7s
555: learn: 0.0495136      total: 29.6s  remaining: 23.7s
556: learn: 0.0494775      total: 29.6s  remaining: 23.6s
557: learn: 0.0494689      total: 29.7s  remaining: 23.5s
558: learn: 0.0493761      total: 29.7s  remaining: 23.4s

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559: learn: 0.0493034      total: 29.7s  remaining: 23.3s
560: learn: 0.0492513      total: 29.7s  remaining: 23.2s
561: learn: 0.0491812      total: 29.7s  remaining: 23.2s
562: learn: 0.0490768      total: 29.7s  remaining: 23.1s
563: learn: 0.0490133      total: 29.8s  remaining: 23s
564: learn: 0.0489982      total: 29.8s  remaining: 22.9s
565: learn: 0.0489274      total: 29.8s  remaining: 22.8s
566: learn: 0.0488333      total: 29.8s  remaining: 22.7s
567: learn: 0.0487642      total: 29.8s  remaining: 22.7s
568: learn: 0.0486842      total: 29.8s  remaining: 22.6s
569: learn: 0.0485904      total: 29.8s  remaining: 22.5s
570: learn: 0.0484859      total: 29.8s  remaining: 22.4s
571: learn: 0.0484015      total: 29.8s  remaining: 22.3s
572: learn: 0.0483293      total: 29.8s  remaining: 22.2s
573: learn: 0.0482467      total: 29.8s  remaining: 22.1s
574: learn: 0.0482098      total: 29.8s  remaining: 22.1s
575: learn: 0.0481184      total: 29.9s  remaining: 22s
576: learn: 0.0480659      total: 29.9s  remaining: 21.9s
577: learn: 0.0479932      total: 29.9s  remaining: 21.8s
578: learn: 0.0479131      total: 29.9s  remaining: 21.8s
579: learn: 0.0478283      total: 30s    remaining: 21.7s
580: learn: 0.0477474      total: 30s    remaining: 21.7s
581: learn: 0.0477131      total: 30s    remaining: 21.6s
582: learn: 0.0476568      total: 30.1s  remaining: 21.5s
583: learn: 0.0475850      total: 30.1s  remaining: 21.4s
584: learn: 0.0474941      total: 30.1s  remaining: 21.3s
585: learn: 0.0474376      total: 30.2s  remaining: 21.3s
586: learn: 0.0473368      total: 30.2s  remaining: 21.2s
587: learn: 0.0472715      total: 30.3s  remaining: 21.2s
588: learn: 0.0472001      total: 30.3s  remaining: 21.2s
589: learn: 0.0471054      total: 30.4s  remaining: 21.1s
590: learn: 0.0470376      total: 30.4s  remaining: 21.1s
591: learn: 0.0469099      total: 30.4s  remaining: 21s
592: learn: 0.0468138      total: 30.5s  remaining: 20.9s
593: learn: 0.0467580      total: 30.5s  remaining: 20.9s
594: learn: 0.0466917      total: 30.6s  remaining: 20.8s
595: learn: 0.0466596      total: 30.6s  remaining: 20.8s
596: learn: 0.0465421      total: 30.7s  remaining: 20.7s
597: learn: 0.0464850      total: 30.7s  remaining: 20.6s
598: learn: 0.0464267      total: 30.7s  remaining: 20.6s
599: learn: 0.0463227      total: 30.9s  remaining: 20.6s
600: learn: 0.0462577      total: 30.9s  remaining: 20.5s
601: learn: 0.0462450      total: 31s    remaining: 20.5s
602: learn: 0.0462181      total: 31s    remaining: 20.4s
603: learn: 0.0461829      total: 31s    remaining: 20.4s
604: learn: 0.0461229      total: 31s    remaining: 20.3s
605: learn: 0.0460623      total: 31.1s  remaining: 20.2s
606: learn: 0.0460120      total: 31.1s  remaining: 20.1s
607: learn: 0.0459255      total: 31.1s  remaining: 20.1s
608: learn: 0.0459066      total: 31.2s  remaining: 20s
609: learn: 0.0458567      total: 31.2s  remaining: 20s
610: learn: 0.0458028      total: 31.2s  remaining: 19.9s
611: learn: 0.0457448      total: 31.3s  remaining: 19.8s
612: learn: 0.0456894      total: 31.3s  remaining: 19.7s
613: learn: 0.0456164      total: 31.3s  remaining: 19.7s
614: learn: 0.0455193      total: 31.3s  remaining: 19.6s
615: learn: 0.0454456      total: 31.4s  remaining: 19.5s
616: learn: 0.0453398      total: 31.4s  remaining: 19.5s
617: learn: 0.0452737      total: 31.4s  remaining: 19.4s
618: learn: 0.0451872      total: 31.4s  remaining: 19.3s
619: learn: 0.0451362      total: 31.5s  remaining: 19.3s
620: learn: 0.0450545      total: 31.5s  remaining: 19.2s
621: learn: 0.0450047      total: 31.5s  remaining: 19.2s
622: learn: 0.0449271      total: 31.6s  remaining: 19.1s

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623: learn: 0.0448694      total: 31.7s  remaining: 19.1s
624: learn: 0.0448095      total: 31.7s  remaining: 19s
625: learn: 0.0447841      total: 31.7s  remaining: 19s
626: learn: 0.0447748      total: 31.8s  remaining: 18.9s
627: learn: 0.0446865      total: 31.8s  remaining: 18.8s
628: learn: 0.0446258      total: 31.8s  remaining: 18.8s
629: learn: 0.0445580      total: 31.9s  remaining: 18.7s
630: learn: 0.0445499      total: 31.9s  remaining: 18.6s
631: learn: 0.0445060      total: 31.9s  remaining: 18.6s
632: learn: 0.0444444      total: 32s    remaining: 18.5s
633: learn: 0.0443709      total: 32s    remaining: 18.5s
634: learn: 0.0443557      total: 32.1s  remaining: 18.5s
635: learn: 0.0442642      total: 32.2s  remaining: 18.4s
636: learn: 0.0442042      total: 32.2s  remaining: 18.4s
637: learn: 0.0441462      total: 32.3s  remaining: 18.3s
638: learn: 0.0440858      total: 32.3s  remaining: 18.2s
639: learn: 0.0440570      total: 32.3s  remaining: 18.2s
640: learn: 0.0439877      total: 32.4s  remaining: 18.1s
641: learn: 0.0439154      total: 32.4s  remaining: 18.1s
642: learn: 0.0438478      total: 32.4s  remaining: 18s
643: learn: 0.0437943      total: 32.5s  remaining: 18s
644: learn: 0.0436914      total: 32.5s  remaining: 17.9s
645: learn: 0.0436159      total: 32.5s  remaining: 17.8s
646: learn: 0.0435607      total: 32.6s  remaining: 17.8s
647: learn: 0.0435554      total: 32.7s  remaining: 17.8s
648: learn: 0.0434780      total: 32.8s  remaining: 17.7s
649: learn: 0.0433874      total: 32.8s  remaining: 17.6s
650: learn: 0.0433254      total: 32.8s  remaining: 17.6s
651: learn: 0.0432726      total: 32.8s  remaining: 17.5s
652: learn: 0.0431699      total: 32.8s  remaining: 17.4s
653: learn: 0.0431023      total: 32.9s  remaining: 17.4s
654: learn: 0.0430564      total: 33s    remaining: 17.4s
655: learn: 0.0430106      total: 33s    remaining: 17.3s
656: learn: 0.0429468      total: 33.1s  remaining: 17.3s
657: learn: 0.0428619      total: 33.1s  remaining: 17.2s
658: learn: 0.0428346      total: 33.1s  remaining: 17.1s
659: learn: 0.0427752      total: 33.2s  remaining: 17.1s
660: learn: 0.0427366      total: 33.2s  remaining: 17s
661: learn: 0.0426623      total: 33.3s  remaining: 17s
662: learn: 0.0426219      total: 33.3s  remaining: 16.9s
663: learn: 0.0425602      total: 33.3s  remaining: 16.9s
664: learn: 0.0424696      total: 33.4s  remaining: 16.8s
665: learn: 0.0424061      total: 33.4s  remaining: 16.7s
666: learn: 0.0423912      total: 33.5s  remaining: 16.7s
667: learn: 0.0422989      total: 33.5s  remaining: 16.6s
668: learn: 0.0422733      total: 33.6s  remaining: 16.6s
669: learn: 0.0421676      total: 33.7s  remaining: 16.6s
670: learn: 0.0421169      total: 33.7s  remaining: 16.5s
671: learn: 0.0420511      total: 33.8s  remaining: 16.5s
672: learn: 0.0420184      total: 33.8s  remaining: 16.4s
673: learn: 0.0419602      total: 33.8s  remaining: 16.4s
674: learn: 0.0419156      total: 33.8s  remaining: 16.3s
675: learn: 0.0418670      total: 33.9s  remaining: 16.2s
676: learn: 0.0417809      total: 33.9s  remaining: 16.2s
677: learn: 0.0417140      total: 34s    remaining: 16.1s
678: learn: 0.0416330      total: 34s    remaining: 16.1s
679: learn: 0.0415828      total: 34s    remaining: 16s
680: learn: 0.0415222      total: 34s    remaining: 15.9s
681: learn: 0.0415014      total: 34.1s  remaining: 15.9s
682: learn: 0.0414155      total: 34.1s  remaining: 15.8s
683: learn: 0.0413917      total: 34.2s  remaining: 15.8s
684: learn: 0.0413687      total: 34.2s  remaining: 15.7s
685: learn: 0.0413110      total: 34.3s  remaining: 15.7s
686: learn: 0.0412286      total: 34.3s  remaining: 15.6s

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687: learn: 0.0411716    total: 34.4s  remaining: 15.6s
688: learn: 0.0411670    total: 34.4s  remaining: 15.5s
689: learn: 0.0410742    total: 34.4s  remaining: 15.4s
690: learn: 0.0409926    total: 34.4s  remaining: 15.4s
691: learn: 0.0409530    total: 34.4s  remaining: 15.3s
692: learn: 0.0409128    total: 34.5s  remaining: 15.3s
693: learn: 0.0408681    total: 34.5s  remaining: 15.2s
694: learn: 0.0408301    total: 34.5s  remaining: 15.1s
695: learn: 0.0407300    total: 34.5s  remaining: 15.1s
696: learn: 0.0406696    total: 34.5s  remaining: 15s
481: learn: 0.0529053    total: 24.9s  remaining: 26.7s
482: learn: 0.0528055    total: 24.9s  remaining: 26.6s
483: learn: 0.0527312    total: 24.9s  remaining: 26.6s
484: learn: 0.0526623    total: 25s   remaining: 26.6s
485: learn: 0.0525478    total: 25.1s  remaining: 26.5s
486: learn: 0.0524670    total: 25.1s  remaining: 26.5s
487: learn: 0.0523834    total: 25.1s  remaining: 26.4s
488: learn: 0.0523235    total: 25.1s  remaining: 26.3s
489: learn: 0.0522572    total: 25.1s  remaining: 26.2s
490: learn: 0.0522045    total: 25.2s  remaining: 26.1s
491: learn: 0.0521047    total: 25.2s  remaining: 26s
492: learn: 0.0520472    total: 25.2s  remaining: 25.9s
493: learn: 0.0519985    total: 25.3s  remaining: 25.9s
494: learn: 0.0519821    total: 25.3s  remaining: 25.8s
495: learn: 0.0519260    total: 25.4s  remaining: 25.8s
496: learn: 0.0518492    total: 25.4s  remaining: 25.7s
497: learn: 0.0517515    total: 25.4s  remaining: 25.6s
498: learn: 0.0516372    total: 25.5s  remaining: 25.6s
499: learn: 0.0515742    total: 25.5s  remaining: 25.5s
500: learn: 0.0514771    total: 25.5s  remaining: 25.4s
501: learn: 0.0513743    total: 25.6s  remaining: 25.4s
502: learn: 0.0513124    total: 25.6s  remaining: 25.3s
503: learn: 0.0511951    total: 25.7s  remaining: 25.2s
504: learn: 0.0511869    total: 25.7s  remaining: 25.2s
505: learn: 0.0511595    total: 25.7s  remaining: 25.1s
506: learn: 0.0510707    total: 25.8s  remaining: 25.1s
507: learn: 0.0509874    total: 25.8s  remaining: 25s
508: learn: 0.0509065    total: 25.9s  remaining: 25s
509: learn: 0.0508127    total: 25.9s  remaining: 24.9s
510: learn: 0.0507011    total: 26s   remaining: 24.8s
511: learn: 0.0506050    total: 26s   remaining: 24.8s
512: learn: 0.0505175    total: 26.3s  remaining: 24.9s
513: learn: 0.0504580    total: 26.3s  remaining: 24.9s
514: learn: 0.0503752    total: 26.4s  remaining: 24.8s
515: learn: 0.0502916    total: 26.4s  remaining: 24.8s
516: learn: 0.0502218    total: 26.4s  remaining: 24.7s
517: learn: 0.0500981    total: 26.5s  remaining: 24.6s
518: learn: 0.0499998    total: 26.5s  remaining: 24.5s
519: learn: 0.0499284    total: 26.6s  remaining: 24.5s
520: learn: 0.0498304    total: 26.6s  remaining: 24.4s
521: learn: 0.0498057    total: 26.7s  remaining: 24.4s
522: learn: 0.0497228    total: 26.7s  remaining: 24.3s
523: learn: 0.0496501    total: 26.7s  remaining: 24.3s
524: learn: 0.0495792    total: 26.8s  remaining: 24.2s
525: learn: 0.0494747    total: 26.8s  remaining: 24.2s
526: learn: 0.0494075    total: 26.8s  remaining: 24.1s
527: learn: 0.0493006    total: 26.9s  remaining: 24s
528: learn: 0.0492049    total: 26.9s  remaining: 23.9s
529: learn: 0.0491316    total: 27s   remaining: 23.9s
530: learn: 0.0490424    total: 27s   remaining: 23.9s
531: learn: 0.0489738    total: 27.1s  remaining: 23.8s
532: learn: 0.0489120    total: 27.1s  remaining: 23.7s
533: learn: 0.0488208    total: 27.1s  remaining: 23.6s
534: learn: 0.0487743    total: 27.1s  remaining: 23.6s

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535: learn: 0.0486952    total: 27.1s  remaining: 23.5s
536: learn: 0.0486195    total: 27.2s  remaining: 23.4s
537: learn: 0.0485531    total: 27.3s  remaining: 23.4s
538: learn: 0.0484624    total: 27.3s  remaining: 23.3s
539: learn: 0.0483795    total: 27.3s  remaining: 23.3s
540: learn: 0.0482730    total: 27.3s  remaining: 23.2s
541: learn: 0.0481878    total: 27.4s  remaining: 23.1s
542: learn: 0.0481067    total: 27.4s  remaining: 23.1s
543: learn: 0.0480792    total: 27.4s  remaining: 23s
544: learn: 0.0480135    total: 27.4s  remaining: 22.9s
545: learn: 0.0479368    total: 27.5s  remaining: 22.8s
546: learn: 0.0478579    total: 27.5s  remaining: 22.8s
547: learn: 0.0477898    total: 27.5s  remaining: 22.7s
548: learn: 0.0477302    total: 27.6s  remaining: 22.7s
549: learn: 0.0476627    total: 27.6s  remaining: 22.6s
550: learn: 0.0475853    total: 27.7s  remaining: 22.6s
551: learn: 0.0475362    total: 27.8s  remaining: 22.5s
552: learn: 0.0474585    total: 27.8s  remaining: 22.5s
553: learn: 0.0473967    total: 27.8s  remaining: 22.4s
554: learn: 0.0473577    total: 27.9s  remaining: 22.3s
555: learn: 0.0473021    total: 27.9s  remaining: 22.3s
556: learn: 0.0472362    total: 27.9s  remaining: 22.2s
557: learn: 0.0471594    total: 27.9s  remaining: 22.1s
558: learn: 0.0471129    total: 28s   remaining: 22.1s
559: learn: 0.0470350    total: 28s   remaining: 22s
560: learn: 0.0469632    total: 28.1s  remaining: 22s
561: learn: 0.0468937    total: 28.1s  remaining: 21.9s
562: learn: 0.0468788    total: 28.2s  remaining: 21.9s
563: learn: 0.0468730    total: 28.2s  remaining: 21.8s
564: learn: 0.0468112    total: 28.2s  remaining: 21.7s
565: learn: 0.0467465    total: 28.3s  remaining: 21.7s
566: learn: 0.0466920    total: 28.3s  remaining: 21.6s
567: learn: 0.0466369    total: 28.4s  remaining: 21.6s
568: learn: 0.0465586    total: 28.4s  remaining: 21.5s
569: learn: 0.0464874    total: 28.5s  remaining: 21.5s
570: learn: 0.0464038    total: 28.5s  remaining: 21.4s
571: learn: 0.0463205    total: 28.5s  remaining: 21.3s
572: learn: 0.0462343    total: 28.5s  remaining: 21.3s
573: learn: 0.0461613    total: 28.6s  remaining: 21.2s
574: learn: 0.0460830    total: 28.7s  remaining: 21.2s
575: learn: 0.0459801    total: 28.7s  remaining: 21.1s
576: learn: 0.0459156    total: 28.7s  remaining: 21s
577: learn: 0.0458419    total: 28.7s  remaining: 21s
578: learn: 0.0457716    total: 28.8s  remaining: 20.9s
579: learn: 0.0457669    total: 28.8s  remaining: 20.9s
580: learn: 0.0457226    total: 28.9s  remaining: 20.8s
581: learn: 0.0456483    total: 28.9s  remaining: 20.7s
582: learn: 0.0455927    total: 28.9s  remaining: 20.7s
583: learn: 0.0455308    total: 29s   remaining: 20.6s
584: learn: 0.0454679    total: 29s   remaining: 20.6s
585: learn: 0.0454316    total: 29.1s  remaining: 20.5s
586: learn: 0.0453735    total: 29.1s  remaining: 20.5s
587: learn: 0.0452858    total: 29.1s  remaining: 20.4s
588: learn: 0.0452094    total: 29.1s  remaining: 20.3s
589: learn: 0.0451486    total: 29.2s  remaining: 20.3s
590: learn: 0.0450995    total: 29.2s  remaining: 20.2s
591: learn: 0.0450251    total: 29.3s  remaining: 20.2s
592: learn: 0.0449429    total: 29.3s  remaining: 20.1s
593: learn: 0.0448795    total: 29.4s  remaining: 20.1s
594: learn: 0.0448186    total: 29.4s  remaining: 20s
595: learn: 0.0447756    total: 29.4s  remaining: 19.9s
596: learn: 0.0447281    total: 29.5s  remaining: 19.9s
597: learn: 0.0446649    total: 29.5s  remaining: 19.8s
598: learn: 0.0446166    total: 29.5s  remaining: 19.8s

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599: learn: 0.0445461    total: 29.6s  remaining: 19.7s
600: learn: 0.0444858    total: 29.6s  remaining: 19.7s
601: learn: 0.0444261    total: 29.7s  remaining: 19.6s
602: learn: 0.0443102    total: 29.8s  remaining: 19.6s
603: learn: 0.0442297    total: 29.8s  remaining: 19.5s
604: learn: 0.0441372    total: 29.9s  remaining: 19.5s
605: learn: 0.0440662    total: 29.9s  remaining: 19.5s
606: learn: 0.0439798    total: 29.9s  remaining: 19.4s
607: learn: 0.0439257    total: 30s    remaining: 19.3s
608: learn: 0.0438500    total: 30.1s  remaining: 19.3s
609: learn: 0.0437690    total: 30.2s  remaining: 19.3s
610: learn: 0.0437076    total: 30.2s  remaining: 19.2s
611: learn: 0.0436729    total: 30.2s  remaining: 19.1s
612: learn: 0.0435951    total: 30.2s  remaining: 19.1s
613: learn: 0.0435318    total: 30.3s  remaining: 19s
614: learn: 0.0435273    total: 30.4s  remaining: 19s
615: learn: 0.0434620    total: 30.4s  remaining: 18.9s
616: learn: 0.0433911    total: 30.4s  remaining: 18.9s
617: learn: 0.0433227    total: 30.5s  remaining: 18.8s
618: learn: 0.0432854    total: 30.5s  remaining: 18.8s
619: learn: 0.0432204    total: 30.5s  remaining: 18.7s
620: learn: 0.0431666    total: 30.7s  remaining: 18.7s
621: learn: 0.0431428    total: 30.7s  remaining: 18.6s
622: learn: 0.0430988    total: 30.7s  remaining: 18.6s
623: learn: 0.0430520    total: 30.7s  remaining: 18.5s
624: learn: 0.0429401    total: 30.8s  remaining: 18.5s
625: learn: 0.0429037    total: 30.8s  remaining: 18.4s
626: learn: 0.0428390    total: 30.9s  remaining: 18.4s
627: learn: 0.0427742    total: 31.1s  remaining: 18.4s
628: learn: 0.0427116    total: 31.2s  remaining: 18.4s
629: learn: 0.0427071    total: 31.4s  remaining: 18.4s
630: learn: 0.0426160    total: 31.4s  remaining: 18.4s
631: learn: 0.0425613    total: 31.5s  remaining: 18.3s
632: learn: 0.0424907    total: 31.5s  remaining: 18.3s
633: learn: 0.0424138    total: 31.6s  remaining: 18.2s
634: learn: 0.0423769    total: 31.6s  remaining: 18.2s
635: learn: 0.0423375    total: 31.7s  remaining: 18.1s
636: learn: 0.0422875    total: 31.7s  remaining: 18.1s
637: learn: 0.0422458    total: 31.8s  remaining: 18s
638: learn: 0.0421752    total: 31.8s  remaining: 18s
536: learn: 0.0550477    total: 30.8s  remaining: 26.6s
537: learn: 0.0549588    total: 30.9s  remaining: 26.5s
538: learn: 0.0548810    total: 30.9s  remaining: 26.4s
539: learn: 0.0548008    total: 31s    remaining: 26.4s
540: learn: 0.0547128    total: 31s    remaining: 26.3s
541: learn: 0.0546277    total: 31.1s  remaining: 26.3s
542: learn: 0.0545335    total: 31.1s  remaining: 26.2s
543: learn: 0.0544715    total: 31.2s  remaining: 26.1s
544: learn: 0.0543912    total: 31.2s  remaining: 26s
545: learn: 0.0542291    total: 31.2s  remaining: 26s
546: learn: 0.0541503    total: 31.3s  remaining: 25.9s
547: learn: 0.0540844    total: 31.3s  remaining: 25.8s
548: learn: 0.0540114    total: 31.4s  remaining: 25.8s
549: learn: 0.0539468    total: 31.4s  remaining: 25.7s
550: learn: 0.0538896    total: 31.5s  remaining: 25.6s
551: learn: 0.0538360    total: 31.5s  remaining: 25.6s
552: learn: 0.0538175    total: 31.6s  remaining: 25.5s
553: learn: 0.0537140    total: 31.6s  remaining: 25.5s
554: learn: 0.0536363    total: 31.6s  remaining: 25.4s
555: learn: 0.0535630    total: 31.7s  remaining: 25.3s
556: learn: 0.0534899    total: 31.7s  remaining: 25.2s
557: learn: 0.0533686    total: 31.8s  remaining: 25.2s
558: learn: 0.0532902    total: 31.8s  remaining: 25.1s
559: learn: 0.0532338    total: 31.9s  remaining: 25s

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560: learn: 0.0531548    total: 31.9s  remaining: 25s
561: learn: 0.0530681    total: 32s   remaining: 24.9s
562: learn: 0.0530113    total: 32.1s  remaining: 24.9s
563: learn: 0.0529134    total: 32.2s  remaining: 24.9s
564: learn: 0.0527812    total: 32.3s  remaining: 24.8s
565: learn: 0.0526778    total: 32.3s  remaining: 24.8s
566: learn: 0.0525793    total: 32.4s  remaining: 24.7s
567: learn: 0.0525022    total: 32.4s  remaining: 24.7s
568: learn: 0.0523887    total: 32.5s  remaining: 24.6s
569: learn: 0.0523120    total: 32.5s  remaining: 24.5s
570: learn: 0.0521856    total: 32.5s  remaining: 24.4s
571: learn: 0.0521264    total: 32.5s  remaining: 24.3s
572: learn: 0.0520612    total: 32.6s  remaining: 24.3s
573: learn: 0.0519387    total: 32.6s  remaining: 24.2s
574: learn: 0.0518843    total: 32.7s  remaining: 24.2s
575: learn: 0.0517682    total: 32.7s  remaining: 24.1s
576: learn: 0.0516794    total: 32.8s  remaining: 24.1s
577: learn: 0.0516054    total: 32.9s  remaining: 24s
578: learn: 0.0515396    total: 33s   remaining: 24s
579: learn: 0.0514627    total: 33.1s  remaining: 23.9s
580: learn: 0.0513334    total: 33.1s  remaining: 23.9s
581: learn: 0.0512552    total: 33.1s  remaining: 23.8s
582: learn: 0.0512000    total: 33.2s  remaining: 23.7s
583: learn: 0.0511503    total: 33.2s  remaining: 23.7s
584: learn: 0.0510691    total: 33.2s  remaining: 23.6s
585: learn: 0.0510073    total: 33.3s  remaining: 23.5s
586: learn: 0.0509038    total: 33.3s  remaining: 23.5s
587: learn: 0.0508396    total: 33.4s  remaining: 23.4s
588: learn: 0.0507496    total: 33.4s  remaining: 23.3s
589: learn: 0.0506924    total: 33.4s  remaining: 23.2s
590: learn: 0.0506119    total: 33.5s  remaining: 23.2s
591: learn: 0.0505701    total: 33.5s  remaining: 23.1s
592: learn: 0.0504941    total: 33.5s  remaining: 23s
593: learn: 0.0503842    total: 33.6s  remaining: 22.9s
594: learn: 0.0503305    total: 33.6s  remaining: 22.9s
595: learn: 0.0502189    total: 33.7s  remaining: 22.8s
596: learn: 0.0501787    total: 33.7s  remaining: 22.8s
597: learn: 0.0501115    total: 33.7s  remaining: 22.7s
598: learn: 0.0500183    total: 33.8s  remaining: 22.6s
599: learn: 0.0499850    total: 33.9s  remaining: 22.6s
600: learn: 0.0499103    total: 33.9s  remaining: 22.5s
601: learn: 0.0498176    total: 33.9s  remaining: 22.4s
602: learn: 0.0497416    total: 34s   remaining: 22.4s
603: learn: 0.0496298    total: 34s   remaining: 22.3s
604: learn: 0.0495582    total: 34.1s  remaining: 22.3s
605: learn: 0.0494866    total: 34.1s  remaining: 22.2s
606: learn: 0.0494114    total: 34.1s  remaining: 22.1s
607: learn: 0.0493576    total: 34.2s  remaining: 22s
608: learn: 0.0493077    total: 34.2s  remaining: 21.9s
609: learn: 0.0491752    total: 34.2s  remaining: 21.9s
610: learn: 0.0490887    total: 34.3s  remaining: 21.8s
611: learn: 0.0490618    total: 34.3s  remaining: 21.8s
612: learn: 0.0489623    total: 34.4s  remaining: 21.7s
613: learn: 0.0489112    total: 34.4s  remaining: 21.6s
614: learn: 0.0488237    total: 34.4s  remaining: 21.6s
615: learn: 0.0487676    total: 34.5s  remaining: 21.5s
616: learn: 0.0486942    total: 34.5s  remaining: 21.4s
617: learn: 0.0486338    total: 34.5s  remaining: 21.3s
618: learn: 0.0485527    total: 34.6s  remaining: 21.3s
619: learn: 0.0484851    total: 34.6s  remaining: 21.2s
620: learn: 0.0484257    total: 34.7s  remaining: 21.2s
621: learn: 0.0483608    total: 34.8s  remaining: 21.2s
622: learn: 0.0482949    total: 34.9s  remaining: 21.1s
623: learn: 0.0482612    total: 34.9s  remaining: 21.1s

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624: learn: 0.0482232      total: 35s      remaining: 21s
625: learn: 0.0481704      total: 35.1s     remaining: 21s
626: learn: 0.0480756      total: 35.1s     remaining: 20.9s
627: learn: 0.0480271      total: 35.1s     remaining: 20.8s
628: learn: 0.0479916      total: 35.1s     remaining: 20.7s
629: learn: 0.0479463      total: 35.2s     remaining: 20.6s
630: learn: 0.0479174      total: 35.2s     remaining: 20.6s
631: learn: 0.0478351      total: 35.3s     remaining: 20.5s
632: learn: 0.0477756      total: 35.3s     remaining: 20.5s
633: learn: 0.0477312      total: 35.3s     remaining: 20.4s
634: learn: 0.0476703      total: 35.3s     remaining: 20.3s
635: learn: 0.0475743      total: 35.3s     remaining: 20.2s
636: learn: 0.0475416      total: 35.4s     remaining: 20.2s
637: learn: 0.0474438      total: 35.4s     remaining: 20.1s
638: learn: 0.0473953      total: 35.4s     remaining: 20s
639: learn: 0.0473667      total: 35.5s     remaining: 20s
640: learn: 0.0472734      total: 35.5s     remaining: 19.9s
641: learn: 0.0472360      total: 35.6s     remaining: 19.8s
642: learn: 0.0471891      total: 35.8s     remaining: 19.9s
643: learn: 0.0470982      total: 35.8s     remaining: 19.8s
644: learn: 0.0470342      total: 35.8s     remaining: 19.7s
645: learn: 0.0469915      total: 36s       remaining: 19.7s
646: learn: 0.0469303      total: 36s       remaining: 19.6s
647: learn: 0.0469058      total: 36.1s     remaining: 19.6s
648: learn: 0.0468315      total: 36.1s     remaining: 19.5s
649: learn: 0.0467584      total: 36.1s     remaining: 19.4s
650: learn: 0.0466813      total: 36.1s     remaining: 19.4s
651: learn: 0.0466744      total: 36.2s     remaining: 19.3s
652: learn: 0.0465636      total: 36.3s     remaining: 19.3s
653: learn: 0.0464768      total: 36.3s     remaining: 19.2s
654: learn: 0.0464123      total: 36.4s     remaining: 19.2s
655: learn: 0.0462920      total: 36.4s     remaining: 19.1s
656: learn: 0.0461736      total: 36.4s     remaining: 19s
657: learn: 0.0460884      total: 36.5s     remaining: 19s
658: learn: 0.0460222      total: 36.5s     remaining: 18.9s
659: learn: 0.0459252      total: 36.5s     remaining: 18.8s
660: learn: 0.0458379      total: 36.6s     remaining: 18.8s
661: learn: 0.0457846      total: 36.7s     remaining: 18.7s
662: learn: 0.0457019      total: 36.8s     remaining: 18.7s
663: learn: 0.0456205      total: 36.8s     remaining: 18.6s
664: learn: 0.0456013      total: 36.9s     remaining: 18.6s
665: learn: 0.0455119      total: 36.9s     remaining: 18.5s
666: learn: 0.0454529      total: 37s       remaining: 18.5s
667: learn: 0.0454472      total: 37.1s     remaining: 18.4s
668: learn: 0.0453615      total: 37.1s     remaining: 18.4s
669: learn: 0.0453192      total: 37.1s     remaining: 18.3s
670: learn: 0.0452507      total: 37.1s     remaining: 18.2s
671: learn: 0.0451783      total: 37.2s     remaining: 18.1s
672: learn: 0.0451409      total: 37.2s     remaining: 18.1s
673: learn: 0.0450487      total: 37.2s     remaining: 18s
674: learn: 0.0449594      total: 37.2s     remaining: 17.9s
675: learn: 0.0449171      total: 37.2s     remaining: 17.9s
676: learn: 0.0448423      total: 37.3s     remaining: 17.8s
677: learn: 0.0447337      total: 37.3s     remaining: 17.7s
678: learn: 0.0447289      total: 37.3s     remaining: 17.6s
679: learn: 0.0446467      total: 37.4s     remaining: 17.6s
680: learn: 0.0445783      total: 37.4s     remaining: 17.5s
681: learn: 0.0445228      total: 37.4s     remaining: 17.5s
682: learn: 0.0444859      total: 37.4s     remaining: 17.4s
683: learn: 0.0444007      total: 37.5s     remaining: 17.3s
684: learn: 0.0443204      total: 37.5s     remaining: 17.3s
685: learn: 0.0442610      total: 37.6s     remaining: 17.2s
686: learn: 0.0442159      total: 37.6s     remaining: 17.1s
687: learn: 0.0441696      total: 37.6s     remaining: 17.1s

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688: learn: 0.0441008    total: 37.6s  remaining: 17s
689: learn: 0.0440560    total: 37.7s  remaining: 16.9s
690: learn: 0.0439709    total: 37.7s  remaining: 16.9s
691: learn: 0.0438915    total: 37.8s  remaining: 16.8s
692: learn: 0.0438632    total: 37.8s  remaining: 16.8s
693: learn: 0.0437784    total: 37.9s  remaining: 16.7s
538: learn: 0.0529816    total: 32.2s  remaining: 27.5s
539: learn: 0.0528339    total: 32.2s  remaining: 27.4s
540: learn: 0.0527108    total: 32.2s  remaining: 27.3s
541: learn: 0.0526481    total: 32.3s  remaining: 27.3s
542: learn: 0.0525120    total: 32.4s  remaining: 27.2s
543: learn: 0.0524137    total: 32.4s  remaining: 27.1s
544: learn: 0.0523810    total: 32.4s  remaining: 27s
545: learn: 0.0522913    total: 32.4s  remaining: 27s
546: learn: 0.0522446    total: 32.4s  remaining: 26.9s
547: learn: 0.0521905    total: 32.5s  remaining: 26.8s
548: learn: 0.0521072    total: 32.5s  remaining: 26.7s
549: learn: 0.0521012    total: 32.5s  remaining: 26.6s
550: learn: 0.0520089    total: 32.6s  remaining: 26.6s
551: learn: 0.0518908    total: 32.7s  remaining: 26.5s
552: learn: 0.0517943    total: 32.7s  remaining: 26.5s
553: learn: 0.0517348    total: 32.8s  remaining: 26.4s
554: learn: 0.0516179    total: 32.8s  remaining: 26.3s
555: learn: 0.0515513    total: 32.9s  remaining: 26.2s
556: learn: 0.0514684    total: 32.9s  remaining: 26.2s
557: learn: 0.0513868    total: 32.9s  remaining: 26.1s
558: learn: 0.0513043    total: 32.9s  remaining: 26s
559: learn: 0.0511978    total: 33s   remaining: 25.9s
560: learn: 0.0511915    total: 33s   remaining: 25.8s
561: learn: 0.0511067    total: 33s   remaining: 25.7s
562: learn: 0.0510990    total: 33s   remaining: 25.6s
563: learn: 0.0510048    total: 33.1s  remaining: 25.6s
564: learn: 0.0509730    total: 33.2s  remaining: 25.5s
565: learn: 0.0508823    total: 33.2s  remaining: 25.4s
566: learn: 0.0508681    total: 33.2s  remaining: 25.4s
567: learn: 0.0508629    total: 33.2s  remaining: 25.3s
568: learn: 0.0508133    total: 33.3s  remaining: 25.2s
569: learn: 0.0507534    total: 33.3s  remaining: 25.2s
570: learn: 0.0506487    total: 33.4s  remaining: 25.1s
571: learn: 0.0505576    total: 33.4s  remaining: 25s
572: learn: 0.0505117    total: 33.4s  remaining: 24.9s
573: learn: 0.0504537    total: 33.5s  remaining: 24.8s
574: learn: 0.0503799    total: 33.5s  remaining: 24.8s
575: learn: 0.0503730    total: 33.5s  remaining: 24.7s
576: learn: 0.0502830    total: 33.5s  remaining: 24.6s
577: learn: 0.0502239    total: 33.6s  remaining: 24.5s
578: learn: 0.0501139    total: 33.6s  remaining: 24.4s
579: learn: 0.0500482    total: 33.6s  remaining: 24.3s
580: learn: 0.0500170    total: 33.6s  remaining: 24.2s
581: learn: 0.0499471    total: 33.7s  remaining: 24.2s
582: learn: 0.0498618    total: 33.7s  remaining: 24.1s
583: learn: 0.0498093    total: 33.7s  remaining: 24s
584: learn: 0.0497276    total: 33.7s  remaining: 23.9s
585: learn: 0.0496532    total: 33.7s  remaining: 23.8s
586: learn: 0.0495636    total: 33.8s  remaining: 23.7s
587: learn: 0.0495091    total: 33.8s  remaining: 23.7s
588: learn: 0.0494166    total: 33.8s  remaining: 23.6s
589: learn: 0.0493444    total: 33.9s  remaining: 23.6s
590: learn: 0.0492571    total: 33.9s  remaining: 23.5s
591: learn: 0.0492143    total: 34s   remaining: 23.4s
592: learn: 0.0491429    total: 34s   remaining: 23.3s
593: learn: 0.0490388    total: 34s   remaining: 23.2s
594: learn: 0.0490331    total: 34s   remaining: 23.1s
595: learn: 0.0489762    total: 34s   remaining: 23.1s

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596: learn: 0.0489488    total: 34.1s  remaining: 23s
597: learn: 0.0489081    total: 34.1s  remaining: 22.9s
598: learn: 0.0487990    total: 34.2s  remaining: 22.9s
599: learn: 0.0486676    total: 34.2s  remaining: 22.8s
600: learn: 0.0486620    total: 34.2s  remaining: 22.7s
601: learn: 0.0485860    total: 34.2s  remaining: 22.6s
602: learn: 0.0484755    total: 34.2s  remaining: 22.5s
603: learn: 0.0484291    total: 34.2s  remaining: 22.4s
604: learn: 0.0483559    total: 34.3s  remaining: 22.4s
605: learn: 0.0483380    total: 34.3s  remaining: 22.3s
606: learn: 0.0482900    total: 34.4s  remaining: 22.3s
607: learn: 0.0482321    total: 34.4s  remaining: 22.2s
608: learn: 0.0481868    total: 34.5s  remaining: 22.2s
609: learn: 0.0481247    total: 34.7s  remaining: 22.2s
610: learn: 0.0481093    total: 34.7s  remaining: 22.1s
611: learn: 0.0480298    total: 34.8s  remaining: 22s
612: learn: 0.0479702    total: 34.8s  remaining: 22s
613: learn: 0.0478744    total: 34.8s  remaining: 21.9s
614: learn: 0.0478161    total: 34.8s  remaining: 21.8s
615: learn: 0.0477475    total: 34.9s  remaining: 21.8s
616: learn: 0.0476633    total: 34.9s  remaining: 21.7s
617: learn: 0.0475980    total: 35s    remaining: 21.6s
618: learn: 0.0475062    total: 35.1s  remaining: 21.6s
619: learn: 0.0474228    total: 35.1s  remaining: 21.5s
620: learn: 0.0474173    total: 35.1s  remaining: 21.4s
621: learn: 0.0473566    total: 35.2s  remaining: 21.4s
622: learn: 0.0473002    total: 35.2s  remaining: 21.3s
623: learn: 0.0472538    total: 35.3s  remaining: 21.3s
624: learn: 0.0471545    total: 35.4s  remaining: 21.2s
625: learn: 0.0470868    total: 35.5s  remaining: 21.2s
626: learn: 0.0469735    total: 35.5s  remaining: 21.1s
627: learn: 0.0468989    total: 35.5s  remaining: 21.1s
628: learn: 0.0468280    total: 35.6s  remaining: 21s
629: learn: 0.0467470    total: 35.7s  remaining: 20.9s
630: learn: 0.0467044    total: 35.7s  remaining: 20.9s
631: learn: 0.0466889    total: 35.7s  remaining: 20.8s
632: learn: 0.0466173    total: 35.8s  remaining: 20.7s
633: learn: 0.0465571    total: 35.8s  remaining: 20.7s
634: learn: 0.0464703    total: 35.8s  remaining: 20.6s
635: learn: 0.0463962    total: 35.9s  remaining: 20.5s
636: learn: 0.0463907    total: 35.9s  remaining: 20.5s
637: learn: 0.0463079    total: 36s    remaining: 20.4s
638: learn: 0.0462560    total: 36s    remaining: 20.3s
639: learn: 0.0461950    total: 36s    remaining: 20.2s
640: learn: 0.0461554    total: 36s    remaining: 20.2s
641: learn: 0.0461182    total: 36.1s  remaining: 20.1s
642: learn: 0.0460689    total: 36.1s  remaining: 20s
643: learn: 0.0459604    total: 36.2s  remaining: 20s
644: learn: 0.0458650    total: 36.2s  remaining: 19.9s
645: learn: 0.0458085    total: 36.3s  remaining: 19.9s
646: learn: 0.0457432    total: 36.3s  remaining: 19.8s
647: learn: 0.0456468    total: 36.3s  remaining: 19.7s
648: learn: 0.0455529    total: 36.4s  remaining: 19.7s
649: learn: 0.0454605    total: 36.4s  remaining: 19.6s
650: learn: 0.0454084    total: 36.4s  remaining: 19.5s
651: learn: 0.0453812    total: 36.4s  remaining: 19.5s
652: learn: 0.0452788    total: 36.5s  remaining: 19.4s
653: learn: 0.0451910    total: 36.6s  remaining: 19.3s
654: learn: 0.0451727    total: 36.6s  remaining: 19.3s
655: learn: 0.0451127    total: 36.7s  remaining: 19.2s
656: learn: 0.0450339    total: 36.8s  remaining: 19.2s
657: learn: 0.0449892    total: 36.8s  remaining: 19.1s
658: learn: 0.0448831    total: 36.8s  remaining: 19.1s
659: learn: 0.0448212    total: 36.9s  remaining: 19s

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660:	learn: 0.0447664	total: 36.9s	remaining: 18.9s
661:	learn: 0.0446785	total: 37s	remaining: 18.9s
662:	learn: 0.0446486	total: 37s	remaining: 18.8s
663:	learn: 0.0446295	total: 37s	remaining: 18.7s
664:	learn: 0.0445865	total: 37s	remaining: 18.6s
665:	learn: 0.0444987	total: 37s	remaining: 18.6s
666:	learn: 0.0444949	total: 37.1s	remaining: 18.5s
667:	learn: 0.0444344	total: 37.1s	remaining: 18.4s
668:	learn: 0.0443684	total: 37.1s	remaining: 18.4s
669:	learn: 0.0443055	total: 37.2s	remaining: 18.3s
670:	learn: 0.0442576	total: 37.2s	remaining: 18.3s
671:	learn: 0.0441818	total: 37.3s	remaining: 18.2s
672:	learn: 0.0441755	total: 37.3s	remaining: 18.1s
673:	learn: 0.0441293	total: 37.3s	remaining: 18s
674:	learn: 0.0440821	total: 37.3s	remaining: 18s
675:	learn: 0.0440137	total: 37.3s	remaining: 17.9s
676:	learn: 0.0439686	total: 37.4s	remaining: 17.8s
677:	learn: 0.0438979	total: 37.4s	remaining: 17.8s
678:	learn: 0.0438080	total: 37.4s	remaining: 17.7s
679:	learn: 0.0437529	total: 37.5s	remaining: 17.6s
680:	learn: 0.0436974	total: 37.5s	remaining: 17.6s
681:	learn: 0.0436509	total: 37.6s	remaining: 17.5s
682:	learn: 0.0435745	total: 37.6s	remaining: 17.5s
683:	learn: 0.0435281	total: 37.7s	remaining: 17.4s
684:	learn: 0.0434638	total: 37.7s	remaining: 17.3s
685:	learn: 0.0433783	total: 37.8s	remaining: 17.3s
686:	learn: 0.0432741	total: 37.8s	remaining: 17.2s
687:	learn: 0.0432196	total: 37.8s	remaining: 17.2s
688:	learn: 0.0431753	total: 37.9s	remaining: 17.1s
689:	learn: 0.0430837	total: 37.9s	remaining: 17s
690:	learn: 0.0430272	total: 37.9s	remaining: 17s
691:	learn: 0.0429597	total: 38s	remaining: 16.9s
692:	learn: 0.0428884	total: 38s	remaining: 16.8s
693:	learn: 0.0428270	total: 38.1s	remaining: 16.8s
694:	learn: 0.0427936	total: 38.2s	remaining: 16.8s
695:	learn: 0.0427457	total: 38.2s	remaining: 16.7s
697:	learn: 0.0406524	total: 34.6s	remaining: 15s
698:	learn: 0.0405809	total: 34.6s	remaining: 14.9s
699:	learn: 0.0404980	total: 34.6s	remaining: 14.8s
700:	learn: 0.0404301	total: 34.6s	remaining: 14.8s
701:	learn: 0.0403595	total: 34.6s	remaining: 14.7s
702:	learn: 0.0402787	total: 34.6s	remaining: 14.6s
703:	learn: 0.0402536	total: 34.7s	remaining: 14.6s
704:	learn: 0.0401730	total: 34.7s	remaining: 14.5s
705:	learn: 0.0401682	total: 34.7s	remaining: 14.4s
706:	learn: 0.0400985	total: 34.7s	remaining: 14.4s
707:	learn: 0.0400105	total: 34.7s	remaining: 14.3s
708:	learn: 0.0399500	total: 34.7s	remaining: 14.3s
709:	learn: 0.0398676	total: 34.8s	remaining: 14.2s
710:	learn: 0.0398067	total: 34.8s	remaining: 14.1s
711:	learn: 0.0397886	total: 34.8s	remaining: 14.1s
712:	learn: 0.0397528	total: 34.8s	remaining: 14s
713:	learn: 0.0396834	total: 34.9s	remaining: 14s
714:	learn: 0.0396102	total: 34.9s	remaining: 13.9s
715:	learn: 0.0395691	total: 34.9s	remaining: 13.8s
716:	learn: 0.0395082	total: 34.9s	remaining: 13.8s
717:	learn: 0.0394717	total: 34.9s	remaining: 13.7s
718:	learn: 0.0394007	total: 34.9s	remaining: 13.7s
719:	learn: 0.0393960	total: 35s	remaining: 13.6s
720:	learn: 0.0393666	total: 35s	remaining: 13.5s
721:	learn: 0.0393107	total: 35s	remaining: 13.5s
722:	learn: 0.0392618	total: 35s	remaining: 13.4s
723:	learn: 0.0392006	total: 35s	remaining: 13.4s
724:	learn: 0.0391794	total: 35s	remaining: 13.3s

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725: learn: 0.0391318    total: 35.2s  remaining: 13.3s
726: learn: 0.0390567    total: 35.2s  remaining: 13.2s
727: learn: 0.0390530    total: 35.2s  remaining: 13.2s
728: learn: 0.0390196    total: 35.2s  remaining: 13.1s
729: learn: 0.0389894    total: 35.2s  remaining: 13s
730: learn: 0.0389193    total: 35.2s  remaining: 13s
731: learn: 0.0388949    total: 35.3s  remaining: 12.9s
732: learn: 0.0388903    total: 35.3s  remaining: 12.9s
733: learn: 0.0388087    total: 35.4s  remaining: 12.8s
734: learn: 0.0387547    total: 35.4s  remaining: 12.8s
735: learn: 0.0387510    total: 35.4s  remaining: 12.7s
736: learn: 0.0386833    total: 35.4s  remaining: 12.6s
737: learn: 0.0386791    total: 35.5s  remaining: 12.6s
738: learn: 0.0386755    total: 35.5s  remaining: 12.6s
739: learn: 0.0386144    total: 35.6s  remaining: 12.5s
740: learn: 0.0385567    total: 35.7s  remaining: 12.5s
741: learn: 0.0385405    total: 35.7s  remaining: 12.4s
742: learn: 0.0385232    total: 35.8s  remaining: 12.4s
743: learn: 0.0385160    total: 35.9s  remaining: 12.3s
744: learn: 0.0384672    total: 35.9s  remaining: 12.3s
745: learn: 0.0384030    total: 35.9s  remaining: 12.2s
746: learn: 0.0383674    total: 36s   remaining: 12.2s
747: learn: 0.0383503    total: 36s   remaining: 12.1s
748: learn: 0.0382837    total: 36.1s  remaining: 12.1s
749: learn: 0.0382456    total: 36.1s  remaining: 12s
750: learn: 0.0381573    total: 36.2s  remaining: 12s
751: learn: 0.0381136    total: 36.2s  remaining: 11.9s
752: learn: 0.0380933    total: 36.3s  remaining: 11.9s
753: learn: 0.0380894    total: 36.3s  remaining: 11.8s
754: learn: 0.0380100    total: 36.4s  remaining: 11.8s
755: learn: 0.0380046    total: 36.4s  remaining: 11.8s
756: learn: 0.0379629    total: 36.5s  remaining: 11.7s
757: learn: 0.0379456    total: 36.5s  remaining: 11.7s
758: learn: 0.0378951    total: 36.5s  remaining: 11.6s
759: learn: 0.0378914    total: 36.6s  remaining: 11.5s
760: learn: 0.0378890    total: 36.6s  remaining: 11.5s
761: learn: 0.0378366    total: 36.6s  remaining: 11.4s
762: learn: 0.0377957    total: 36.7s  remaining: 11.4s
763: learn: 0.0377507    total: 36.7s  remaining: 11.3s
764: learn: 0.0377082    total: 36.8s  remaining: 11.3s
765: learn: 0.0376158    total: 36.9s  remaining: 11.3s
766: learn: 0.0376134    total: 36.9s  remaining: 11.2s
767: learn: 0.0376103    total: 36.9s  remaining: 11.2s
768: learn: 0.0375438    total: 37s   remaining: 11.1s
769: learn: 0.0375415    total: 37s   remaining: 11.1s
770: learn: 0.0375366    total: 37.1s  remaining: 11s
771: learn: 0.0375307    total: 37.1s  remaining: 11s
772: learn: 0.0374661    total: 37.2s  remaining: 10.9s
773: learn: 0.0374602    total: 37.2s  remaining: 10.9s
774: learn: 0.0374573    total: 37.2s  remaining: 10.8s
775: learn: 0.0374549    total: 37.3s  remaining: 10.8s
776: learn: 0.0373833    total: 37.3s  remaining: 10.7s
777: learn: 0.0373431    total: 37.4s  remaining: 10.7s
778: learn: 0.0372948    total: 37.4s  remaining: 10.6s
779: learn: 0.0372884    total: 37.4s  remaining: 10.6s
780: learn: 0.0372426    total: 37.4s  remaining: 10.5s
781: learn: 0.0372403    total: 37.5s  remaining: 10.4s
782: learn: 0.0371867    total: 37.5s  remaining: 10.4s
783: learn: 0.0371156    total: 37.6s  remaining: 10.3s
784: learn: 0.0370988    total: 37.6s  remaining: 10.3s
785: learn: 0.0370409    total: 37.7s  remaining: 10.3s
786: learn: 0.0369935    total: 37.7s  remaining: 10.2s
787: learn: 0.0369535    total: 37.7s  remaining: 10.1s
788: learn: 0.0369512    total: 37.7s  remaining: 10.1s

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789: learn: 0.0369315      total: 37.8s    remaining: 10.1s
790: learn: 0.0368768      total: 37.9s    remaining: 10s
791: learn: 0.0368259      total: 37.9s    remaining: 9.96s
792: learn: 0.0368224      total: 38s      remaining: 9.91s
793: learn: 0.0367770      total: 38s      remaining: 9.85s
794: learn: 0.0367744      total: 38s      remaining: 9.79s
795: learn: 0.0367233      total: 38s      remaining: 9.75s
796: learn: 0.0366819      total: 38s      remaining: 9.69s
797: learn: 0.0366090      total: 38.1s    remaining: 9.64s
798: learn: 0.0365484      total: 38.1s    remaining: 9.59s
799: learn: 0.0365374      total: 38.1s    remaining: 9.53s
800: learn: 0.0365351      total: 38.1s    remaining: 9.47s
801: learn: 0.0365327      total: 38.1s    remaining: 9.41s
802: learn: 0.0365304      total: 38.1s    remaining: 9.35s
803: learn: 0.0365168      total: 38.1s    remaining: 9.3s
804: learn: 0.0364627      total: 38.2s    remaining: 9.24s
805: learn: 0.0364581      total: 38.2s    remaining: 9.2s
806: learn: 0.0363955      total: 38.2s    remaining: 9.14s
807: learn: 0.0363222      total: 38.3s    remaining: 9.09s
808: learn: 0.0362810      total: 38.3s    remaining: 9.04s
809: learn: 0.0362276      total: 38.3s    remaining: 8.99s
810: learn: 0.0361653      total: 38.4s    remaining: 8.94s
811: learn: 0.0361337      total: 38.4s    remaining: 8.89s
812: learn: 0.0361317      total: 38.4s    remaining: 8.83s
813: learn: 0.0360745      total: 38.4s    remaining: 8.77s
814: learn: 0.0360722      total: 38.4s    remaining: 8.72s
815: learn: 0.0360144      total: 38.4s    remaining: 8.66s
816: learn: 0.0359782      total: 38.5s    remaining: 8.61s
817: learn: 0.0359762      total: 38.5s    remaining: 8.57s
818: learn: 0.0359650      total: 38.5s    remaining: 8.52s
819: learn: 0.0359540      total: 38.6s    remaining: 8.47s
820: learn: 0.0358843      total: 38.6s    remaining: 8.42s
821: learn: 0.0357945      total: 38.7s    remaining: 8.38s
822: learn: 0.0357924      total: 38.7s    remaining: 8.32s
823: learn: 0.0357177      total: 38.7s    remaining: 8.27s
824: learn: 0.0356937      total: 38.7s    remaining: 8.22s
825: learn: 0.0356168      total: 38.8s    remaining: 8.17s
826: learn: 0.0355604      total: 38.9s    remaining: 8.14s
827: learn: 0.0355207      total: 39s      remaining: 8.1s
828: learn: 0.0354634      total: 39s      remaining: 8.04s
829: learn: 0.0353922      total: 39s      remaining: 8s
830: learn: 0.0353901      total: 39.1s    remaining: 7.94s
831: learn: 0.0353324      total: 39.2s    remaining: 7.91s
832: learn: 0.0353306      total: 39.2s    remaining: 7.86s
833: learn: 0.0352938      total: 39.3s    remaining: 7.81s
834: learn: 0.0352424      total: 39.3s    remaining: 7.76s
835: learn: 0.0351972      total: 39.3s    remaining: 7.71s
836: learn: 0.0351600      total: 39.5s    remaining: 7.68s
837: learn: 0.0351283      total: 39.5s    remaining: 7.63s
838: learn: 0.0350913      total: 39.5s    remaining: 7.59s
839: learn: 0.0350507      total: 39.6s    remaining: 7.54s
840: learn: 0.0350244      total: 39.6s    remaining: 7.49s
841: learn: 0.0349942      total: 39.7s    remaining: 7.44s
842: learn: 0.0349927      total: 39.7s    remaining: 7.39s
843: learn: 0.0349480      total: 39.7s    remaining: 7.33s
844: learn: 0.0348898      total: 39.7s    remaining: 7.28s
845: learn: 0.0348665      total: 39.7s    remaining: 7.23s
846: learn: 0.0348195      total: 39.7s    remaining: 7.18s
847: learn: 0.0347643      total: 39.7s    remaining: 7.12s
848: learn: 0.0347626      total: 39.7s    remaining: 7.07s
849: learn: 0.0347228      total: 39.8s    remaining: 7.02s
850: learn: 0.0346519      total: 39.8s    remaining: 6.96s
851: learn: 0.0346197      total: 39.8s    remaining: 6.91s
852: learn: 0.0345900      total: 39.8s    remaining: 6.86s

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853: learn: 0.0345632      total: 39.8s  remaining: 6.81s
854: learn: 0.0344865      total: 39.8s  remaining: 6.76s
699: learn: 0.0432441      total: 34.3s  remaining: 14.7s
700: learn: 0.0431612      total: 34.3s  remaining: 14.6s
701: learn: 0.0430874      total: 34.4s  remaining: 14.6s
702: learn: 0.0430198      total: 34.4s  remaining: 14.5s
703: learn: 0.0429560      total: 34.4s  remaining: 14.5s
704: learn: 0.0428698      total: 34.5s  remaining: 14.4s
705: learn: 0.0427659      total: 34.5s  remaining: 14.3s
706: learn: 0.0426619      total: 34.5s  remaining: 14.3s
707: learn: 0.0426279      total: 34.5s  remaining: 14.2s
708: learn: 0.0425628      total: 34.5s  remaining: 14.2s
709: learn: 0.0424921      total: 34.6s  remaining: 14.1s
710: learn: 0.0424117      total: 34.6s  remaining: 14.1s
711: learn: 0.0423698      total: 34.6s  remaining: 14s
712: learn: 0.0422876      total: 34.6s  remaining: 13.9s
713: learn: 0.0422286      total: 34.7s  remaining: 13.9s
714: learn: 0.0421784      total: 34.7s  remaining: 13.8s
715: learn: 0.0420984      total: 34.7s  remaining: 13.8s
716: learn: 0.0420312      total: 34.7s  remaining: 13.7s
717: learn: 0.0419981      total: 34.8s  remaining: 13.7s
718: learn: 0.0419846      total: 34.8s  remaining: 13.6s
719: learn: 0.0419081      total: 34.8s  remaining: 13.5s
720: learn: 0.0419031      total: 34.9s  remaining: 13.5s
721: learn: 0.0418107      total: 34.9s  remaining: 13.4s
722: learn: 0.0417486      total: 34.9s  remaining: 13.4s
723: learn: 0.0416863      total: 34.9s  remaining: 13.3s
724: learn: 0.0415900      total: 35s    remaining: 13.3s
725: learn: 0.0415490      total: 35s    remaining: 13.2s
726: learn: 0.0414637      total: 35s    remaining: 13.1s
727: learn: 0.0414344      total: 35s    remaining: 13.1s
728: learn: 0.0413516      total: 35s    remaining: 13s
729: learn: 0.0412950      total: 35.1s  remaining: 13s
730: learn: 0.0412255      total: 35.1s  remaining: 12.9s
731: learn: 0.0411598      total: 35.2s  remaining: 12.9s
732: learn: 0.0410966      total: 35.2s  remaining: 12.8s
733: learn: 0.0410413      total: 35.2s  remaining: 12.8s
734: learn: 0.0410296      total: 35.2s  remaining: 12.7s
735: learn: 0.0409781      total: 35.3s  remaining: 12.7s
736: learn: 0.0409537      total: 35.3s  remaining: 12.6s
737: learn: 0.0408851      total: 35.4s  remaining: 12.6s
738: learn: 0.0408163      total: 35.5s  remaining: 12.5s
739: learn: 0.0408124      total: 35.6s  remaining: 12.5s
740: learn: 0.0407293      total: 35.6s  remaining: 12.5s
741: learn: 0.0406801      total: 35.7s  remaining: 12.4s
742: learn: 0.0406324      total: 35.7s  remaining: 12.4s
743: learn: 0.0405678      total: 35.8s  remaining: 12.3s
744: learn: 0.0405103      total: 35.8s  remaining: 12.3s
745: learn: 0.0405048      total: 35.8s  remaining: 12.2s
746: learn: 0.0405001      total: 36s    remaining: 12.2s
747: learn: 0.0404517      total: 36s    remaining: 12.1s
748: learn: 0.0404466      total: 36s    remaining: 12.1s
749: learn: 0.0403714      total: 36.1s  remaining: 12s
750: learn: 0.0403199      total: 36.1s  remaining: 12s
751: learn: 0.0402582      total: 36.2s  remaining: 11.9s
752: learn: 0.0401665      total: 36.2s  remaining: 11.9s
753: learn: 0.0401618      total: 36.2s  remaining: 11.8s
754: learn: 0.0400871      total: 36.4s  remaining: 11.8s
755: learn: 0.0400509      total: 36.4s  remaining: 11.7s
756: learn: 0.0399921      total: 36.4s  remaining: 11.7s
757: learn: 0.0399451      total: 36.6s  remaining: 11.7s
758: learn: 0.0398813      total: 36.7s  remaining: 11.6s
759: learn: 0.0398311      total: 36.7s  remaining: 11.6s
760: learn: 0.0398043      total: 36.7s  remaining: 11.5s

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761: learn: 0.0397036    total: 36.9s  remaining: 11.5s
762: learn: 0.0396283    total: 36.9s  remaining: 11.5s
763: learn: 0.0396220    total: 37s    remaining: 11.4s
764: learn: 0.0395515    total: 37s    remaining: 11.4s
765: learn: 0.0394962    total: 37s    remaining: 11.3s
766: learn: 0.0394394    total: 37.1s   remaining: 11.3s
767: learn: 0.0393688    total: 37.1s   remaining: 11.2s
768: learn: 0.0392882    total: 37.1s   remaining: 11.2s
769: learn: 0.0392135    total: 37.1s   remaining: 11.1s
770: learn: 0.0392102    total: 37.2s   remaining: 11s
771: learn: 0.0391405    total: 37.2s   remaining: 11s
772: learn: 0.0390468    total: 37.3s   remaining: 11s
773: learn: 0.0390423    total: 37.3s   remaining: 10.9s
774: learn: 0.0389934    total: 37.3s   remaining: 10.8s
775: learn: 0.0389396    total: 37.4s   remaining: 10.8s
776: learn: 0.0388818    total: 37.4s   remaining: 10.7s
777: learn: 0.0388776    total: 37.4s   remaining: 10.7s
778: learn: 0.0388291    total: 37.5s   remaining: 10.6s
779: learn: 0.0387554    total: 37.5s   remaining: 10.6s
780: learn: 0.0387273    total: 37.5s   remaining: 10.5s
781: learn: 0.0386781    total: 37.5s   remaining: 10.5s
782: learn: 0.0386265    total: 37.6s   remaining: 10.4s
783: learn: 0.0385762    total: 37.6s   remaining: 10.4s
784: learn: 0.0385385    total: 37.6s   remaining: 10.3s
785: learn: 0.0384607    total: 37.7s   remaining: 10.3s
786: learn: 0.0383979    total: 37.8s   remaining: 10.2s
787: learn: 0.0383548    total: 37.9s   remaining: 10.2s
788: learn: 0.0383342    total: 37.9s   remaining: 10.1s
789: learn: 0.0382547    total: 37.9s   remaining: 10.1s
790: learn: 0.0382314    total: 38s    remaining: 10s
791: learn: 0.0381909    total: 38s    remaining: 9.98s
792: learn: 0.0381867    total: 38s    remaining: 9.92s
793: learn: 0.0381010    total: 38s    remaining: 9.87s
794: learn: 0.0380420    total: 38.1s   remaining: 9.81s
795: learn: 0.0380165    total: 38.1s   remaining: 9.77s
796: learn: 0.0379257    total: 38.1s   remaining: 9.71s
797: learn: 0.0378703    total: 38.1s   remaining: 9.65s
798: learn: 0.0378602    total: 38.1s   remaining: 9.6s
799: learn: 0.0378058    total: 38.2s   remaining: 9.54s
800: learn: 0.0378030    total: 38.2s   remaining: 9.48s
801: learn: 0.0377655    total: 38.2s   remaining: 9.44s
802: learn: 0.0377110    total: 38.3s   remaining: 9.38s
803: learn: 0.0376611    total: 38.3s   remaining: 9.33s
804: learn: 0.0376574    total: 38.3s   remaining: 9.27s
805: learn: 0.0376172    total: 38.3s   remaining: 9.22s
806: learn: 0.0375594    total: 38.3s   remaining: 9.16s
807: learn: 0.0374890    total: 38.3s   remaining: 9.11s
808: learn: 0.0374307    total: 38.4s   remaining: 9.06s
809: learn: 0.0373757    total: 38.4s   remaining: 9.01s
810: learn: 0.0373133    total: 38.4s   remaining: 8.96s
811: learn: 0.0372542    total: 38.5s   remaining: 8.9s
812: learn: 0.0371931    total: 38.5s   remaining: 8.86s
813: learn: 0.0371879    total: 38.6s   remaining: 8.81s
814: learn: 0.0371296    total: 38.6s   remaining: 8.76s
815: learn: 0.0370941    total: 38.6s   remaining: 8.71s
816: learn: 0.0370730    total: 38.7s   remaining: 8.67s
817: learn: 0.0370035    total: 38.7s   remaining: 8.62s
818: learn: 0.0369957    total: 38.8s   remaining: 8.57s
819: learn: 0.0369922    total: 38.8s   remaining: 8.52s
820: learn: 0.0369509    total: 38.9s   remaining: 8.47s
821: learn: 0.0368877    total: 38.9s   remaining: 8.43s
822: learn: 0.0368253    total: 39s    remaining: 8.38s
823: learn: 0.0367429    total: 39s    remaining: 8.33s
824: learn: 0.0366894    total: 39s    remaining: 8.28s

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825: learn: 0.0366562      total: 39.1s    remaining: 8.23s
826: learn: 0.0365816      total: 39.1s    remaining: 8.18s
827: learn: 0.0365249      total: 39.1s    remaining: 8.13s
828: learn: 0.0364643      total: 39.2s    remaining: 8.08s
829: learn: 0.0364036      total: 39.3s    remaining: 8.05s
830: learn: 0.0363477      total: 39.3s    remaining: 7.99s
831: learn: 0.0362957      total: 39.4s    remaining: 7.95s
832: learn: 0.0362924      total: 39.4s    remaining: 7.9s
833: learn: 0.0362636      total: 39.5s    remaining: 7.86s
834: learn: 0.0362309      total: 39.5s    remaining: 7.81s
835: learn: 0.0361961      total: 39.6s    remaining: 7.76s
836: learn: 0.0361329      total: 39.6s    remaining: 7.7s
837: learn: 0.0360800      total: 39.6s    remaining: 7.66s
838: learn: 0.0360319      total: 39.6s    remaining: 7.6s
839: learn: 0.0359589      total: 39.6s    remaining: 7.55s
840: learn: 0.0358922      total: 39.7s    remaining: 7.5s
841: learn: 0.0357992      total: 39.7s    remaining: 7.45s
842: learn: 0.0357613      total: 39.7s    remaining: 7.4s
843: learn: 0.0357213      total: 39.8s    remaining: 7.35s
844: learn: 0.0356831      total: 39.8s    remaining: 7.3s
845: learn: 0.0356392      total: 39.8s    remaining: 7.25s
846: learn: 0.0356365      total: 39.8s    remaining: 7.19s
847: learn: 0.0355854      total: 39.8s    remaining: 7.14s
848: learn: 0.0355357      total: 39.8s    remaining: 7.08s
849: learn: 0.0354446      total: 39.9s    remaining: 7.04s
850: learn: 0.0353817      total: 39.9s    remaining: 6.99s
851: learn: 0.0353394      total: 39.9s    remaining: 6.93s
852: learn: 0.0353129      total: 39.9s    remaining: 6.88s
853: learn: 0.0352552      total: 40s      remaining: 6.84s
854: learn: 0.0352091      total: 40s      remaining: 6.79s
855: learn: 0.0351539      total: 40.1s   remaining: 6.74s
856: learn: 0.0350868      total: 40.1s   remaining: 6.69s
694: learn: 0.0437006      total: 37.9s   remaining: 16.6s
695: learn: 0.0436537      total: 38.1s   remaining: 16.6s
696: learn: 0.0436286      total: 38.1s   remaining: 16.6s
697: learn: 0.0435446      total: 38.2s   remaining: 16.5s
698: learn: 0.0434702      total: 38.2s   remaining: 16.4s
699: learn: 0.0434128      total: 38.2s   remaining: 16.4s
700: learn: 0.0434028      total: 38.2s   remaining: 16.3s
701: learn: 0.0433239      total: 38.2s   remaining: 16.2s
702: learn: 0.0432752      total: 38.3s   remaining: 16.2s
703: learn: 0.0432127      total: 38.3s   remaining: 16.1s
704: learn: 0.0431193      total: 38.4s   remaining: 16.1s
705: learn: 0.0430957      total: 38.4s   remaining: 16s
706: learn: 0.0430851      total: 38.5s   remaining: 15.9s
707: learn: 0.0430586      total: 38.5s   remaining: 15.9s
708: learn: 0.0429914      total: 38.5s   remaining: 15.8s
709: learn: 0.0429427      total: 38.5s   remaining: 15.7s
710: learn: 0.0428619      total: 38.6s   remaining: 15.7s
711: learn: 0.0428380      total: 38.6s   remaining: 15.6s
712: learn: 0.0428043      total: 38.6s   remaining: 15.5s
713: learn: 0.0427663      total: 38.6s   remaining: 15.5s
714: learn: 0.0427058      total: 38.7s   remaining: 15.4s
715: learn: 0.0426569      total: 38.7s   remaining: 15.3s
716: learn: 0.0425741      total: 38.7s   remaining: 15.3s
717: learn: 0.0425127      total: 38.8s   remaining: 15.2s
718: learn: 0.0424459      total: 38.8s   remaining: 15.2s
719: learn: 0.0424178      total: 38.9s   remaining: 15.1s
720: learn: 0.0423413      total: 39s      remaining: 15.1s
721: learn: 0.0422901      total: 39.1s   remaining: 15s
722: learn: 0.0422504      total: 39.1s   remaining: 15s
723: learn: 0.0422282      total: 39.2s   remaining: 14.9s
724: learn: 0.0421830      total: 39.3s   remaining: 14.9s
725: learn: 0.0421544      total: 39.3s   remaining: 14.8s

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726: learn: 0.0420502    total: 39.4s  remaining: 14.8s
727: learn: 0.0419894    total: 39.4s  remaining: 14.7s
728: learn: 0.0419863    total: 39.5s  remaining: 14.7s
729: learn: 0.0419341    total: 39.5s  remaining: 14.6s
730: learn: 0.0419285    total: 39.5s  remaining: 14.5s
731: learn: 0.0418459    total: 39.6s  remaining: 14.5s
732: learn: 0.0417308    total: 39.6s  remaining: 14.4s
733: learn: 0.0416539    total: 39.6s  remaining: 14.3s
734: learn: 0.0416267    total: 39.6s  remaining: 14.3s
735: learn: 0.0415796    total: 39.6s  remaining: 14.2s
736: learn: 0.0415647    total: 39.7s  remaining: 14.2s
737: learn: 0.0414959    total: 39.7s  remaining: 14.1s
738: learn: 0.0414207    total: 39.7s  remaining: 14s
739: learn: 0.0413963    total: 39.7s  remaining: 14s
740: learn: 0.0413636    total: 39.8s  remaining: 13.9s
741: learn: 0.0413043    total: 39.8s  remaining: 13.8s
742: learn: 0.0412485    total: 39.8s  remaining: 13.8s
743: learn: 0.0411764    total: 39.8s  remaining: 13.7s
744: learn: 0.0411277    total: 39.8s  remaining: 13.6s
745: learn: 0.0410777    total: 39.8s  remaining: 13.6s
746: learn: 0.0410199    total: 40s   remaining: 13.5s
747: learn: 0.0409435    total: 40s   remaining: 13.5s
748: learn: 0.0409375    total: 40s   remaining: 13.4s
749: learn: 0.0408705    total: 40s   remaining: 13.3s
750: learn: 0.0407958    total: 40s   remaining: 13.3s
751: learn: 0.0407556    total: 40s   remaining: 13.2s
752: learn: 0.0407093    total: 40.1s  remaining: 13.1s
753: learn: 0.0406598    total: 40.1s  remaining: 13.1s
754: learn: 0.0406385    total: 40.1s  remaining: 13s
755: learn: 0.0405733    total: 40.1s  remaining: 12.9s
756: learn: 0.0404811    total: 40.1s  remaining: 12.9s
757: learn: 0.0404259    total: 40.1s  remaining: 12.8s
758: learn: 0.0404029    total: 40.2s  remaining: 12.8s
759: learn: 0.0403215    total: 40.2s  remaining: 12.7s
760: learn: 0.0402392    total: 40.2s  remaining: 12.6s
761: learn: 0.0401902    total: 40.2s  remaining: 12.6s
762: learn: 0.0401683    total: 40.3s  remaining: 12.5s
763: learn: 0.0401080    total: 40.3s  remaining: 12.4s
764: learn: 0.0400230    total: 40.3s  remaining: 12.4s
765: learn: 0.0398979    total: 40.3s  remaining: 12.3s
766: learn: 0.0398319    total: 40.3s  remaining: 12.2s
767: learn: 0.0397775    total: 40.3s  remaining: 12.2s
768: learn: 0.0397314    total: 40.4s  remaining: 12.1s
769: learn: 0.0396978    total: 40.4s  remaining: 12.1s
770: learn: 0.0396657    total: 40.4s  remaining: 12s
771: learn: 0.0395388    total: 40.5s  remaining: 12s
772: learn: 0.0395320    total: 40.5s  remaining: 11.9s
773: learn: 0.0394971    total: 40.5s  remaining: 11.8s
774: learn: 0.0394394    total: 40.5s  remaining: 11.8s
775: learn: 0.0393991    total: 40.5s  remaining: 11.7s
776: learn: 0.0393463    total: 40.5s  remaining: 11.6s
777: learn: 0.0392915    total: 40.6s  remaining: 11.6s
778: learn: 0.0391948    total: 40.6s  remaining: 11.5s
779: learn: 0.0391483    total: 40.6s  remaining: 11.4s
780: learn: 0.0391092    total: 40.6s  remaining: 11.4s
781: learn: 0.0390510    total: 40.6s  remaining: 11.3s
782: learn: 0.0389532    total: 40.7s  remaining: 11.3s
783: learn: 0.0388868    total: 40.8s  remaining: 11.2s
784: learn: 0.0388338    total: 40.8s  remaining: 11.2s
785: learn: 0.0387678    total: 40.9s  remaining: 11.1s
786: learn: 0.0387055    total: 41s   remaining: 11.1s
787: learn: 0.0386447    total: 41s   remaining: 11s
788: learn: 0.0386097    total: 41.1s  remaining: 11s
789: learn: 0.0385767    total: 41.1s  remaining: 10.9s

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790: learn: 0.0385406    total: 41.2s  remaining: 10.9s
791: learn: 0.0384781    total: 41.2s  remaining: 10.8s
792: learn: 0.0384133    total: 41.2s  remaining: 10.8s
793: learn: 0.0383349    total: 41.2s  remaining: 10.7s
794: learn: 0.0382528    total: 41.3s  remaining: 10.7s
795: learn: 0.0382012    total: 41.3s  remaining: 10.6s
796: learn: 0.0381213    total: 41.4s  remaining: 10.5s
797: learn: 0.0380271    total: 41.4s  remaining: 10.5s
798: learn: 0.0379628    total: 41.4s  remaining: 10.4s
799: learn: 0.0379331    total: 41.5s  remaining: 10.4s
800: learn: 0.0378446    total: 41.5s  remaining: 10.3s
801: learn: 0.0377929    total: 41.5s  remaining: 10.3s
802: learn: 0.0377874    total: 41.6s  remaining: 10.2s
803: learn: 0.0377482    total: 41.7s  remaining: 10.2s
804: learn: 0.0377412    total: 41.7s  remaining: 10.1s
805: learn: 0.0377330    total: 41.8s  remaining: 10.1s
806: learn: 0.0376761    total: 41.8s  remaining: 10s
807: learn: 0.0376546    total: 41.9s  remaining: 9.96s
808: learn: 0.0375987    total: 41.9s  remaining: 9.9s
809: learn: 0.0375355    total: 42s   remaining: 9.86s
810: learn: 0.0374744    total: 42.1s  remaining: 9.8s
811: learn: 0.0373953    total: 42.2s  remaining: 9.76s
812: learn: 0.0373627    total: 42.2s  remaining: 9.7s
813: learn: 0.0373147    total: 42.3s  remaining: 9.66s
814: learn: 0.0372685    total: 42.3s  remaining: 9.6s
815: learn: 0.0372389    total: 42.3s  remaining: 9.54s
816: learn: 0.0371752    total: 42.4s  remaining: 9.5s
817: learn: 0.0371124    total: 42.5s  remaining: 9.45s
818: learn: 0.0371069    total: 42.5s  remaining: 9.39s
819: learn: 0.0370179    total: 42.5s  remaining: 9.33s
820: learn: 0.0369722    total: 42.5s  remaining: 9.27s
821: learn: 0.0369449    total: 42.6s  remaining: 9.22s
822: learn: 0.0368425    total: 42.6s  remaining: 9.16s
823: learn: 0.0368065    total: 42.6s  remaining: 9.1s
824: learn: 0.0367802    total: 42.7s  remaining: 9.05s
825: learn: 0.0366929    total: 42.7s  remaining: 8.99s
826: learn: 0.0366236    total: 42.7s  remaining: 8.94s
827: learn: 0.0365906    total: 42.8s  remaining: 8.89s
828: learn: 0.0365527    total: 42.9s  remaining: 8.84s
829: learn: 0.0365223    total: 42.9s  remaining: 8.79s
830: learn: 0.0364385    total: 43s   remaining: 8.73s
831: learn: 0.0363786    total: 43.1s  remaining: 8.7s
832: learn: 0.0363301    total: 43.1s  remaining: 8.64s
833: learn: 0.0362935    total: 43.1s  remaining: 8.59s
834: learn: 0.0362428    total: 43.2s  remaining: 8.53s
835: learn: 0.0361872    total: 43.2s  remaining: 8.47s
836: learn: 0.0361841    total: 43.2s  remaining: 8.42s
837: learn: 0.0361447    total: 43.2s  remaining: 8.36s
838: learn: 0.0360778    total: 43.3s  remaining: 8.31s
839: learn: 0.0360477    total: 43.3s  remaining: 8.25s
840: learn: 0.0360400    total: 43.4s  remaining: 8.2s
841: learn: 0.0359809    total: 43.4s  remaining: 8.14s
842: learn: 0.0359040    total: 43.5s  remaining: 8.09s
843: learn: 0.0358504    total: 43.5s  remaining: 8.03s
844: learn: 0.0357996    total: 43.5s  remaining: 7.98s
845: learn: 0.0357643    total: 43.5s  remaining: 7.92s
846: learn: 0.0357191    total: 43.5s  remaining: 7.87s
847: learn: 0.0356599    total: 43.6s  remaining: 7.81s
848: learn: 0.0356118    total: 43.6s  remaining: 7.75s
849: learn: 0.0355601    total: 43.7s  remaining: 7.7s
850: learn: 0.0355174    total: 43.7s  remaining: 7.65s
851: learn: 0.0354247    total: 43.7s  remaining: 7.59s
639: learn: 0.0421213    total: 31.9s  remaining: 17.9s
640: learn: 0.0420574    total: 31.9s  remaining: 17.9s

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641: learn: 0.0419682      total: 31.9s  remaining: 17.8s
642: learn: 0.0419159      total: 32.1s  remaining: 17.8s
643: learn: 0.0418652      total: 32.2s  remaining: 17.8s
644: learn: 0.0418228      total: 32.2s  remaining: 17.7s
645: learn: 0.0417627      total: 32.3s  remaining: 17.7s
646: learn: 0.0416767      total: 32.3s  remaining: 17.6s
647: learn: 0.0416721      total: 32.3s  remaining: 17.5s
648: learn: 0.0416183      total: 32.3s  remaining: 17.5s
649: learn: 0.0415676      total: 32.3s  remaining: 17.4s
650: learn: 0.0415144      total: 32.4s  remaining: 17.4s
651: learn: 0.0414833      total: 32.5s  remaining: 17.3s
652: learn: 0.0414328      total: 32.5s  remaining: 17.3s
653: learn: 0.0413776      total: 32.5s  remaining: 17.2s
654: learn: 0.0413173      total: 32.6s  remaining: 17.1s
655: learn: 0.0412579      total: 32.6s  remaining: 17.1s
656: learn: 0.0412259      total: 32.7s  remaining: 17.1s
657: learn: 0.0411794      total: 32.7s  remaining: 17s
658: learn: 0.0411335      total: 32.8s  remaining: 16.9s
659: learn: 0.0410666      total: 32.8s  remaining: 16.9s
660: learn: 0.0410084      total: 32.9s  remaining: 16.9s
661: learn: 0.0409693      total: 32.9s  remaining: 16.8s
662: learn: 0.0409235      total: 33s    remaining: 16.8s
663: learn: 0.0408643      total: 33.1s  remaining: 16.7s
664: learn: 0.0408596      total: 33.1s  remaining: 16.7s
665: learn: 0.0408142      total: 33.1s  remaining: 16.6s
666: learn: 0.0407462      total: 33.2s  remaining: 16.6s
667: learn: 0.0407039      total: 33.2s  remaining: 16.5s
668: learn: 0.0406757      total: 33.2s  remaining: 16.4s
669: learn: 0.0406713      total: 33.3s  remaining: 16.4s
670: learn: 0.0406238      total: 33.3s  remaining: 16.3s
671: learn: 0.0405809      total: 33.3s  remaining: 16.3s
672: learn: 0.0404946      total: 33.4s  remaining: 16.2s
673: learn: 0.0404304      total: 33.4s  remaining: 16.2s
674: learn: 0.0403554      total: 33.4s  remaining: 16.1s
675: learn: 0.0402989      total: 33.5s  remaining: 16s
676: learn: 0.0402309      total: 33.5s  remaining: 16s
677: learn: 0.0402269      total: 33.5s  remaining: 15.9s
678: learn: 0.0401741      total: 33.5s  remaining: 15.9s
679: learn: 0.0401348      total: 33.6s  remaining: 15.8s
680: learn: 0.0400759      total: 33.6s  remaining: 15.7s
681: learn: 0.0400121      total: 33.6s  remaining: 15.7s
682: learn: 0.0399642      total: 33.7s  remaining: 15.7s
683: learn: 0.0399130      total: 33.8s  remaining: 15.6s
684: learn: 0.0398740      total: 33.9s  remaining: 15.6s
685: learn: 0.0398555      total: 33.9s  remaining: 15.5s
686: learn: 0.0398181      total: 34s    remaining: 15.5s
687: learn: 0.0398118      total: 34s    remaining: 15.4s
688: learn: 0.0397774      total: 34s    remaining: 15.4s
689: learn: 0.0397354      total: 34.1s  remaining: 15.3s
690: learn: 0.0396703      total: 34.1s  remaining: 15.3s
691: learn: 0.0396099      total: 34.1s  remaining: 15.2s
692: learn: 0.0396054      total: 34.1s  remaining: 15.1s
693: learn: 0.0395212      total: 34.2s  remaining: 15.1s
694: learn: 0.0394804      total: 34.2s  remaining: 15s
695: learn: 0.0394556      total: 34.2s  remaining: 15s
696: learn: 0.0393883      total: 34.3s  remaining: 14.9s
697: learn: 0.0393463      total: 34.3s  remaining: 14.8s
698: learn: 0.0392939      total: 34.3s  remaining: 14.8s
699: learn: 0.0392756      total: 34.3s  remaining: 14.7s
700: learn: 0.0392300      total: 34.3s  remaining: 14.6s
701: learn: 0.0391741      total: 34.3s  remaining: 14.6s
702: learn: 0.0391670      total: 34.3s  remaining: 14.5s
703: learn: 0.0391025      total: 34.4s  remaining: 14.4s
704: learn: 0.0390711      total: 34.4s  remaining: 14.4s

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705:	learn: 0.0390087	total: 34.4s	remaining: 14.3s
706:	learn: 0.0389862	total: 34.5s	remaining: 14.3s
707:	learn: 0.0389204	total: 34.5s	remaining: 14.2s
708:	learn: 0.0388755	total: 34.5s	remaining: 14.2s
709:	learn: 0.0388411	total: 34.6s	remaining: 14.1s
710:	learn: 0.0387869	total: 34.7s	remaining: 14.1s
711:	learn: 0.0387842	total: 34.7s	remaining: 14s
712:	learn: 0.0387806	total: 34.7s	remaining: 14s
713:	learn: 0.0387376	total: 34.7s	remaining: 13.9s
714:	learn: 0.0386668	total: 34.7s	remaining: 13.8s
715:	learn: 0.0386362	total: 34.8s	remaining: 13.8s
716:	learn: 0.0386079	total: 34.8s	remaining: 13.7s
717:	learn: 0.0385366	total: 34.8s	remaining: 13.7s
718:	learn: 0.0384914	total: 34.9s	remaining: 13.6s
719:	learn: 0.0384412	total: 34.9s	remaining: 13.6s
720:	learn: 0.0383999	total: 35s	remaining: 13.5s
721:	learn: 0.0383352	total: 35s	remaining: 13.5s
722:	learn: 0.0382526	total: 35.1s	remaining: 13.4s
723:	learn: 0.0382114	total: 35.1s	remaining: 13.4s
724:	learn: 0.0381232	total: 35.1s	remaining: 13.3s
725:	learn: 0.0380901	total: 35.2s	remaining: 13.3s
726:	learn: 0.0380077	total: 35.2s	remaining: 13.2s
727:	learn: 0.0380020	total: 35.3s	remaining: 13.2s
728:	learn: 0.0379128	total: 35.3s	remaining: 13.1s
729:	learn: 0.0378372	total: 35.3s	remaining: 13.1s
730:	learn: 0.0377636	total: 35.5s	remaining: 13s
731:	learn: 0.0376922	total: 35.5s	remaining: 13s
732:	learn: 0.0376402	total: 35.8s	remaining: 13s
733:	learn: 0.0375969	total: 35.8s	remaining: 13s
734:	learn: 0.0375368	total: 36.1s	remaining: 13s
735:	learn: 0.0374714	total: 36.1s	remaining: 13s
736:	learn: 0.0373994	total: 36.3s	remaining: 12.9s
737:	learn: 0.0373412	total: 36.3s	remaining: 12.9s
738:	learn: 0.0372416	total: 36.3s	remaining: 12.8s
739:	learn: 0.0371941	total: 36.4s	remaining: 12.8s
740:	learn: 0.0371088	total: 36.5s	remaining: 12.7s
741:	learn: 0.0370437	total: 36.5s	remaining: 12.7s
742:	learn: 0.0370147	total: 36.5s	remaining: 12.6s
743:	learn: 0.0369761	total: 36.5s	remaining: 12.6s
744:	learn: 0.0368879	total: 36.5s	remaining: 12.5s
745:	learn: 0.0368066	total: 36.6s	remaining: 12.4s
746:	learn: 0.0367548	total: 36.6s	remaining: 12.4s
747:	learn: 0.0367187	total: 36.6s	remaining: 12.3s
748:	learn: 0.0366390	total: 36.8s	remaining: 12.3s
749:	learn: 0.0365764	total: 36.8s	remaining: 12.3s
750:	learn: 0.0365346	total: 36.9s	remaining: 12.2s
751:	learn: 0.0364855	total: 37s	remaining: 12.2s
752:	learn: 0.0364367	total: 37.1s	remaining: 12.2s
753:	learn: 0.0364144	total: 37.2s	remaining: 12.1s
754:	learn: 0.0364116	total: 37.3s	remaining: 12.1s
755:	learn: 0.0363732	total: 37.6s	remaining: 12.1s
756:	learn: 0.0363212	total: 37.6s	remaining: 12.1s
757:	learn: 0.0362297	total: 37.7s	remaining: 12s
758:	learn: 0.0361416	total: 37.8s	remaining: 12s
759:	learn: 0.0360968	total: 37.9s	remaining: 12s
760:	learn: 0.0360690	total: 38.2s	remaining: 12s
761:	learn: 0.0360658	total: 38.2s	remaining: 11.9s
762:	learn: 0.0359924	total: 38.3s	remaining: 11.9s
763:	learn: 0.0359500	total: 38.3s	remaining: 11.8s
764:	learn: 0.0359475	total: 38.4s	remaining: 11.8s
765:	learn: 0.0358863	total: 38.4s	remaining: 11.7s
766:	learn: 0.0358345	total: 38.5s	remaining: 11.7s
767:	learn: 0.0357837	total: 38.6s	remaining: 11.7s
768:	learn: 0.0357173	total: 38.6s	remaining: 11.6s

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769: learn: 0.0356763      total: 38.7s  remaining: 11.6s
770: learn: 0.0356229      total: 38.7s  remaining: 11.5s
771: learn: 0.0355394      total: 38.7s  remaining: 11.4s
772: learn: 0.0354832      total: 38.8s  remaining: 11.4s
773: learn: 0.0354427      total: 38.8s  remaining: 11.3s
774: learn: 0.0354106      total: 38.8s  remaining: 11.3s
775: learn: 0.0353710      total: 38.9s  remaining: 11.2s
776: learn: 0.0353056      total: 39s    remaining: 11.2s
777: learn: 0.0352431      total: 39s    remaining: 11.1s
778: learn: 0.0351803      total: 39s    remaining: 11.1s
779: learn: 0.0351304      total: 39.1s  remaining: 11s
780: learn: 0.0350854      total: 39.1s  remaining: 11s
781: learn: 0.0350365      total: 39.2s  remaining: 10.9s
782: learn: 0.0349978      total: 39.2s  remaining: 10.9s
783: learn: 0.0349414      total: 39.2s  remaining: 10.8s
784: learn: 0.0348648      total: 39.3s  remaining: 10.8s
785: learn: 0.0348243      total: 39.3s  remaining: 10.7s
786: learn: 0.0347925      total: 39.3s  remaining: 10.6s
787: learn: 0.0347113      total: 39.4s  remaining: 10.6s
788: learn: 0.0346433      total: 39.4s  remaining: 10.5s
789: learn: 0.0345997      total: 39.5s  remaining: 10.5s
790: learn: 0.0345969      total: 39.5s  remaining: 10.4s
791: learn: 0.0345143      total: 39.6s  remaining: 10.4s
792: learn: 0.0344547      total: 39.6s  remaining: 10.3s
793: learn: 0.0344143      total: 39.7s  remaining: 10.3s
794: learn: 0.0343657      total: 39.7s  remaining: 10.2s
795: learn: 0.0343328      total: 39.8s  remaining: 10.2s
796: learn: 0.0343289      total: 39.8s  remaining: 10.1s
696: learn: 0.0426987      total: 38.3s  remaining: 16.6s
697: learn: 0.0426858      total: 38.3s  remaining: 16.6s
698: learn: 0.0426147      total: 38.3s  remaining: 16.5s
699: learn: 0.0425299      total: 38.4s  remaining: 16.4s
700: learn: 0.0424937      total: 38.4s  remaining: 16.4s
701: learn: 0.0424118      total: 38.5s  remaining: 16.3s
702: learn: 0.0423685      total: 38.6s  remaining: 16.3s
703: learn: 0.0423421      total: 38.6s  remaining: 16.2s
704: learn: 0.0423140      total: 38.6s  remaining: 16.2s
705: learn: 0.0422977      total: 38.7s  remaining: 16.1s
706: learn: 0.0422768      total: 38.7s  remaining: 16s
707: learn: 0.0422430      total: 38.7s  remaining: 16s
708: learn: 0.0422379      total: 38.7s  remaining: 15.9s
709: learn: 0.0422060      total: 38.8s  remaining: 15.8s
710: learn: 0.0421441      total: 38.8s  remaining: 15.8s
711: learn: 0.0421334      total: 38.8s  remaining: 15.7s
712: learn: 0.0420929      total: 38.8s  remaining: 15.6s
713: learn: 0.0420330      total: 38.8s  remaining: 15.6s
714: learn: 0.0419370      total: 38.8s  remaining: 15.5s
715: learn: 0.0419164      total: 38.9s  remaining: 15.4s
716: learn: 0.0418469      total: 39s    remaining: 15.4s
717: learn: 0.0417646      total: 39s    remaining: 15.3s
718: learn: 0.0416822      total: 39s    remaining: 15.3s
719: learn: 0.0416422      total: 39s    remaining: 15.2s
720: learn: 0.0415760      total: 39.1s  remaining: 15.1s
721: learn: 0.0415152      total: 39.1s  remaining: 15s
722: learn: 0.0414241      total: 39.1s  remaining: 15s
723: learn: 0.0413547      total: 39.1s  remaining: 14.9s
724: learn: 0.0413506      total: 39.2s  remaining: 14.9s
725: learn: 0.0412784      total: 39.2s  remaining: 14.8s
726: learn: 0.0412344      total: 39.2s  remaining: 14.7s
727: learn: 0.0412303      total: 39.3s  remaining: 14.7s
728: learn: 0.0411503      total: 39.3s  remaining: 14.6s
729: learn: 0.0411071      total: 39.3s  remaining: 14.5s
730: learn: 0.0410684      total: 39.3s  remaining: 14.5s
731: learn: 0.0410362      total: 39.4s  remaining: 14.4s

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732: learn: 0.0410147    total: 39.4s  remaining: 14.4s
733: learn: 0.0409458    total: 39.4s  remaining: 14.3s
734: learn: 0.0408913    total: 39.5s  remaining: 14.2s
735: learn: 0.0408609    total: 39.5s  remaining: 14.2s
736: learn: 0.0407532    total: 39.6s  remaining: 14.1s
737: learn: 0.0407093    total: 39.6s  remaining: 14.1s
738: learn: 0.0406739    total: 39.7s  remaining: 14s
739: learn: 0.0405810    total: 39.7s  remaining: 14s
740: learn: 0.0405308    total: 39.8s  remaining: 13.9s
741: learn: 0.0405100    total: 39.8s  remaining: 13.8s
742: learn: 0.0404413    total: 39.9s  remaining: 13.8s
743: learn: 0.0403792    total: 39.9s  remaining: 13.7s
744: learn: 0.0403296    total: 40s    remaining: 13.7s
745: learn: 0.0402869    total: 40s    remaining: 13.6s
746: learn: 0.0402329    total: 40.1s  remaining: 13.6s
747: learn: 0.0402058    total: 40.1s  remaining: 13.5s
748: learn: 0.0401158    total: 40.1s  remaining: 13.5s
749: learn: 0.0400432    total: 40.2s  remaining: 13.4s
750: learn: 0.0399998    total: 40.3s  remaining: 13.4s
751: learn: 0.0399401    total: 40.3s  remaining: 13.3s
752: learn: 0.0398886    total: 40.4s  remaining: 13.2s
753: learn: 0.0398220    total: 40.5s  remaining: 13.2s
754: learn: 0.0397703    total: 40.6s  remaining: 13.2s
755: learn: 0.0397085    total: 40.6s  remaining: 13.1s
756: learn: 0.0396366    total: 40.7s  remaining: 13.1s
757: learn: 0.0395787    total: 40.8s  remaining: 13s
758: learn: 0.0395055    total: 40.8s  remaining: 12.9s
759: learn: 0.0394469    total: 40.8s  remaining: 12.9s
760: learn: 0.0394147    total: 41s    remaining: 12.9s
761: learn: 0.0393922    total: 41s    remaining: 12.8s
762: learn: 0.0393588    total: 41s    remaining: 12.7s
763: learn: 0.0393229    total: 41.1s  remaining: 12.7s
764: learn: 0.0392451    total: 41.1s  remaining: 12.6s
765: learn: 0.0392113    total: 41.1s  remaining: 12.6s
766: learn: 0.0391510    total: 41.2s  remaining: 12.5s
767: learn: 0.0390414    total: 41.2s  remaining: 12.5s
768: learn: 0.0390071    total: 41.3s  remaining: 12.4s
769: learn: 0.0389934    total: 41.3s  remaining: 12.3s
770: learn: 0.0389422    total: 41.4s  remaining: 12.3s
771: learn: 0.0389096    total: 41.4s  remaining: 12.2s
772: learn: 0.0388987    total: 41.5s  remaining: 12.2s
773: learn: 0.0388629    total: 41.5s  remaining: 12.1s
774: learn: 0.0387926    total: 41.5s  remaining: 12.1s
775: learn: 0.0387327    total: 41.5s  remaining: 12s
776: learn: 0.0386939    total: 41.6s  remaining: 11.9s
777: learn: 0.0386786    total: 41.6s  remaining: 11.9s
778: learn: 0.0386361    total: 41.6s  remaining: 11.8s
779: learn: 0.0386056    total: 41.6s  remaining: 11.7s
780: learn: 0.0385360    total: 41.7s  remaining: 11.7s
781: learn: 0.0384851    total: 41.7s  remaining: 11.6s
782: learn: 0.0384400    total: 41.7s  remaining: 11.6s
783: learn: 0.0383636    total: 41.8s  remaining: 11.5s
784: learn: 0.0383573    total: 41.9s  remaining: 11.5s
785: learn: 0.0383348    total: 41.9s  remaining: 11.4s
786: learn: 0.0382537    total: 41.9s  remaining: 11.3s
787: learn: 0.0382406    total: 41.9s  remaining: 11.3s
788: learn: 0.0381947    total: 42s    remaining: 11.2s
789: learn: 0.0381606    total: 42s    remaining: 11.2s
790: learn: 0.0380857    total: 42s    remaining: 11.1s
791: learn: 0.0380350    total: 42.1s  remaining: 11s
792: learn: 0.0379649    total: 42.1s  remaining: 11s
793: learn: 0.0378847    total: 42.1s  remaining: 10.9s
794: learn: 0.0378308    total: 42.2s  remaining: 10.9s
795: learn: 0.0377485    total: 42.2s  remaining: 10.8s

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796:	learn: 0.0377078	total: 42.2s	remaining: 10.8s
797:	learn: 0.0376726	total: 42.2s	remaining: 10.7s
798:	learn: 0.0376410	total: 42.3s	remaining: 10.6s
799:	learn: 0.0376022	total: 42.3s	remaining: 10.6s
800:	learn: 0.0375489	total: 42.4s	remaining: 10.5s
801:	learn: 0.0374766	total: 42.5s	remaining: 10.5s
802:	learn: 0.0374243	total: 42.5s	remaining: 10.4s
803:	learn: 0.0374205	total: 42.5s	remaining: 10.4s
804:	learn: 0.0373883	total: 42.5s	remaining: 10.3s
805:	learn: 0.0373523	total: 42.6s	remaining: 10.2s
806:	learn: 0.0372952	total: 42.6s	remaining: 10.2s
807:	learn: 0.0372557	total: 42.8s	remaining: 10.2s
808:	learn: 0.0371915	total: 42.8s	remaining: 10.1s
809:	learn: 0.0371260	total: 42.9s	remaining: 10.1s
810:	learn: 0.0370819	total: 43s	remaining: 10s
811:	learn: 0.0370287	total: 43s	remaining: 9.96s
812:	learn: 0.0369866	total: 43.2s	remaining: 9.94s
813:	learn: 0.0369296	total: 43.3s	remaining: 9.89s
814:	learn: 0.0368678	total: 43.3s	remaining: 9.83s
815:	learn: 0.0368294	total: 43.3s	remaining: 9.77s
816:	learn: 0.0367615	total: 43.4s	remaining: 9.72s
817:	learn: 0.0367071	total: 43.4s	remaining: 9.65s
818:	learn: 0.0366282	total: 43.4s	remaining: 9.6s
819:	learn: 0.0365734	total: 43.5s	remaining: 9.54s
820:	learn: 0.0365434	total: 43.5s	remaining: 9.49s
821:	learn: 0.0365094	total: 43.6s	remaining: 9.44s
822:	learn: 0.0364681	total: 43.6s	remaining: 9.38s
823:	learn: 0.0364649	total: 43.6s	remaining: 9.32s
824:	learn: 0.0364042	total: 43.7s	remaining: 9.26s
825:	learn: 0.0363491	total: 43.7s	remaining: 9.2s
826:	learn: 0.0362920	total: 43.7s	remaining: 9.15s
827:	learn: 0.0362169	total: 43.8s	remaining: 9.09s
828:	learn: 0.0361787	total: 43.8s	remaining: 9.03s
829:	learn: 0.0361175	total: 43.8s	remaining: 8.96s
830:	learn: 0.0361137	total: 43.8s	remaining: 8.91s
831:	learn: 0.0360650	total: 43.8s	remaining: 8.85s
832:	learn: 0.0360171	total: 43.8s	remaining: 8.78s
833:	learn: 0.0359570	total: 43.8s	remaining: 8.72s
834:	learn: 0.0359133	total: 43.9s	remaining: 8.68s
835:	learn: 0.0358545	total: 43.9s	remaining: 8.62s
836:	learn: 0.0358159	total: 44s	remaining: 8.56s
837:	learn: 0.0357705	total: 44s	remaining: 8.51s
838:	learn: 0.0357118	total: 44s	remaining: 8.45s
839:	learn: 0.0356705	total: 44s	remaining: 8.39s
840:	learn: 0.0356184	total: 44s	remaining: 8.33s
841:	learn: 0.0355806	total: 44.1s	remaining: 8.27s
842:	learn: 0.0355689	total: 44.1s	remaining: 8.21s
843:	learn: 0.0355396	total: 44.1s	remaining: 8.15s
844:	learn: 0.0354835	total: 44.1s	remaining: 8.09s
845:	learn: 0.0354638	total: 44.1s	remaining: 8.03s
846:	learn: 0.0353863	total: 44.2s	remaining: 7.98s
847:	learn: 0.0353459	total: 44.2s	remaining: 7.92s
848:	learn: 0.0352651	total: 44.3s	remaining: 7.87s
849:	learn: 0.0352477	total: 44.3s	remaining: 7.81s
850:	learn: 0.0352149	total: 44.3s	remaining: 7.75s
851:	learn: 0.0351757	total: 44.3s	remaining: 7.69s
852:	learn: 0.0351258	total: 44.3s	remaining: 7.64s
853:	learn: 0.0350359	total: 44.4s	remaining: 7.59s
797:	learn: 0.0342619	total: 40s	remaining: 10.1s
798:	learn: 0.0342107	total: 40.2s	remaining: 10.1s
799:	learn: 0.0341719	total: 40.2s	remaining: 10.1s
800:	learn: 0.0341194	total: 40.3s	remaining: 10s
801:	learn: 0.0340556	total: 40.3s	remaining: 9.96s
802:	learn: 0.0340053	total: 40.4s	remaining: 9.9s

803:	learn: 0.0339477	total: 40.4s	remaining: 9.84s
804:	learn: 0.0338989	total: 40.4s	remaining: 9.79s
805:	learn: 0.0338576	total: 40.5s	remaining: 9.74s
806:	learn: 0.0338148	total: 40.5s	remaining: 9.68s
807:	learn: 0.0337876	total: 40.5s	remaining: 9.63s
808:	learn: 0.0337306	total: 40.6s	remaining: 9.58s
809:	learn: 0.0336788	total: 40.6s	remaining: 9.53s
810:	learn: 0.0336600	total: 40.7s	remaining: 9.48s
811:	learn: 0.0335832	total: 40.7s	remaining: 9.42s
812:	learn: 0.0335515	total: 40.7s	remaining: 9.37s
813:	learn: 0.0335139	total: 40.8s	remaining: 9.32s
814:	learn: 0.0334765	total: 40.8s	remaining: 9.27s
815:	learn: 0.0334151	total: 40.9s	remaining: 9.22s
816:	learn: 0.0333865	total: 40.9s	remaining: 9.16s
817:	learn: 0.0333517	total: 40.9s	remaining: 9.11s
818:	learn: 0.0333191	total: 40.9s	remaining: 9.05s
819:	learn: 0.0332842	total: 41s	remaining: 8.99s
820:	learn: 0.0332474	total: 41s	remaining: 8.94s
821:	learn: 0.0331898	total: 41s	remaining: 8.88s
822:	learn: 0.0331417	total: 41s	remaining: 8.82s
823:	learn: 0.0330970	total: 41s	remaining: 8.76s
824:	learn: 0.0330940	total: 41s	remaining: 8.71s
825:	learn: 0.0330431	total: 41.1s	remaining: 8.66s
826:	learn: 0.0329829	total: 41.1s	remaining: 8.6s
827:	learn: 0.0329280	total: 41.1s	remaining: 8.54s
828:	learn: 0.0328622	total: 41.1s	remaining: 8.49s
829:	learn: 0.0328145	total: 41.1s	remaining: 8.43s
830:	learn: 0.0327881	total: 41.2s	remaining: 8.38s
831:	learn: 0.0327388	total: 41.2s	remaining: 8.32s
832:	learn: 0.0326798	total: 41.2s	remaining: 8.27s
833:	learn: 0.0326219	total: 41.2s	remaining: 8.21s
834:	learn: 0.0325675	total: 41.3s	remaining: 8.15s
835:	learn: 0.0325285	total: 41.3s	remaining: 8.1s
836:	learn: 0.0324995	total: 41.3s	remaining: 8.04s
837:	learn: 0.0324808	total: 41.3s	remaining: 7.98s
838:	learn: 0.0324333	total: 41.3s	remaining: 7.92s
839:	learn: 0.0323877	total: 41.3s	remaining: 7.87s
840:	learn: 0.0323452	total: 41.3s	remaining: 7.82s
841:	learn: 0.0323001	total: 41.3s	remaining: 7.76s
842:	learn: 0.0322653	total: 41.4s	remaining: 7.7s
843:	learn: 0.0322308	total: 41.4s	remaining: 7.65s
844:	learn: 0.0322114	total: 41.4s	remaining: 7.59s
845:	learn: 0.0321708	total: 41.4s	remaining: 7.54s
846:	learn: 0.0321345	total: 41.4s	remaining: 7.48s
847:	learn: 0.0321020	total: 41.4s	remaining: 7.43s
848:	learn: 0.0320627	total: 41.5s	remaining: 7.38s
849:	learn: 0.0320187	total: 41.5s	remaining: 7.32s
850:	learn: 0.0319653	total: 41.5s	remaining: 7.26s
851:	learn: 0.0319441	total: 41.5s	remaining: 7.21s
852:	learn: 0.0319419	total: 41.5s	remaining: 7.16s
853:	learn: 0.0319402	total: 41.6s	remaining: 7.11s
854:	learn: 0.0319187	total: 41.7s	remaining: 7.07s
855:	learn: 0.0318819	total: 41.8s	remaining: 7.03s
856:	learn: 0.0318358	total: 41.9s	remaining: 6.99s
857:	learn: 0.0318312	total: 42s	remaining: 6.94s
858:	learn: 0.0317934	total: 42s	remaining: 6.9s
859:	learn: 0.0317261	total: 42s	remaining: 6.84s
860:	learn: 0.0316820	total: 42.1s	remaining: 6.79s
861:	learn: 0.0316526	total: 42.1s	remaining: 6.75s
862:	learn: 0.0316506	total: 42.2s	remaining: 6.7s
863:	learn: 0.0315972	total: 42.2s	remaining: 6.65s
864:	learn: 0.0315448	total: 42.3s	remaining: 6.6s
865:	learn: 0.0315085	total: 42.3s	remaining: 6.54s
866:	learn: 0.0314360	total: 42.3s	remaining: 6.5s

867:	learn: 0.0314287	total: 42.4s	remaining: 6.44s
868:	learn: 0.0313961	total: 42.4s	remaining: 6.39s
869:	learn: 0.0313441	total: 42.5s	remaining: 6.34s
870:	learn: 0.0313408	total: 42.5s	remaining: 6.29s
871:	learn: 0.0313392	total: 42.5s	remaining: 6.24s
872:	learn: 0.0313021	total: 42.5s	remaining: 6.18s
873:	learn: 0.0312694	total: 42.6s	remaining: 6.13s
874:	learn: 0.0312348	total: 42.6s	remaining: 6.08s
875:	learn: 0.0312114	total: 42.6s	remaining: 6.03s
876:	learn: 0.0311807	total: 42.6s	remaining: 5.98s
877:	learn: 0.0311097	total: 42.6s	remaining: 5.92s
878:	learn: 0.0310447	total: 42.6s	remaining: 5.87s
879:	learn: 0.0310125	total: 42.7s	remaining: 5.82s
880:	learn: 0.0309815	total: 42.7s	remaining: 5.77s
881:	learn: 0.0309199	total: 42.7s	remaining: 5.72s
882:	learn: 0.0308700	total: 42.8s	remaining: 5.67s
883:	learn: 0.0308404	total: 42.8s	remaining: 5.62s
884:	learn: 0.0308025	total: 42.8s	remaining: 5.56s
885:	learn: 0.0307536	total: 42.8s	remaining: 5.51s
886:	learn: 0.0307358	total: 42.9s	remaining: 5.46s
887:	learn: 0.0306731	total: 42.9s	remaining: 5.41s
888:	learn: 0.0306285	total: 42.9s	remaining: 5.36s
889:	learn: 0.0306158	total: 42.9s	remaining: 5.3s
890:	learn: 0.0305866	total: 42.9s	remaining: 5.25s
891:	learn: 0.0305491	total: 43s	remaining: 5.2s
892:	learn: 0.0305302	total: 43s	remaining: 5.16s
893:	learn: 0.0304778	total: 43s	remaining: 5.1s
894:	learn: 0.0304298	total: 43.1s	remaining: 5.05s
895:	learn: 0.0304239	total: 43.1s	remaining: 5s
896:	learn: 0.0303923	total: 43.1s	remaining: 4.95s
897:	learn: 0.0303476	total: 43.1s	remaining: 4.9s
898:	learn: 0.0303222	total: 43.1s	remaining: 4.85s
899:	learn: 0.0302854	total: 43.2s	remaining: 4.8s
900:	learn: 0.0302368	total: 43.2s	remaining: 4.75s
901:	learn: 0.0302173	total: 43.2s	remaining: 4.7s
902:	learn: 0.0301922	total: 43.3s	remaining: 4.65s
903:	learn: 0.0301793	total: 43.3s	remaining: 4.59s
904:	learn: 0.0301414	total: 43.3s	remaining: 4.55s
905:	learn: 0.0301085	total: 43.3s	remaining: 4.5s
906:	learn: 0.0300857	total: 43.4s	remaining: 4.45s
907:	learn: 0.0300395	total: 43.4s	remaining: 4.39s
908:	learn: 0.0300145	total: 43.4s	remaining: 4.34s
909:	learn: 0.0299593	total: 43.4s	remaining: 4.29s
910:	learn: 0.0299171	total: 43.4s	remaining: 4.24s
911:	learn: 0.0298712	total: 43.5s	remaining: 4.19s
912:	learn: 0.0298178	total: 43.5s	remaining: 4.14s
913:	learn: 0.0297767	total: 43.5s	remaining: 4.09s
914:	learn: 0.0297722	total: 43.5s	remaining: 4.04s
915:	learn: 0.0297420	total: 43.6s	remaining: 3.99s
916:	learn: 0.0297151	total: 43.6s	remaining: 3.94s
917:	learn: 0.0296894	total: 43.6s	remaining: 3.89s
918:	learn: 0.0296672	total: 43.6s	remaining: 3.84s
919:	learn: 0.0296307	total: 43.7s	remaining: 3.8s
920:	learn: 0.0296122	total: 43.7s	remaining: 3.75s
921:	learn: 0.0295572	total: 43.7s	remaining: 3.7s
922:	learn: 0.0295280	total: 43.7s	remaining: 3.65s
923:	learn: 0.0295043	total: 43.7s	remaining: 3.6s
924:	learn: 0.0294548	total: 43.8s	remaining: 3.55s
925:	learn: 0.0294264	total: 43.8s	remaining: 3.5s
926:	learn: 0.0293717	total: 43.9s	remaining: 3.46s
927:	learn: 0.0293279	total: 43.9s	remaining: 3.41s
928:	learn: 0.0292909	total: 44s	remaining: 3.36s
929:	learn: 0.0292485	total: 44s	remaining: 3.31s
930:	learn: 0.0292086	total: 44s	remaining: 3.26s

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931: learn: 0.0291554    total: 44.1s  remaining: 3.21s
932: learn: 0.0291286    total: 44.1s  remaining: 3.17s
933: learn: 0.0290843    total: 44.1s  remaining: 3.12s
934: learn: 0.0290588    total: 44.2s  remaining: 3.07s
935: learn: 0.0290341    total: 44.2s  remaining: 3.02s
936: learn: 0.0290318    total: 44.2s  remaining: 2.97s
937: learn: 0.0289611    total: 44.2s  remaining: 2.92s
938: learn: 0.0289287    total: 44.3s  remaining: 2.87s
939: learn: 0.0288927    total: 44.3s  remaining: 2.83s
940: learn: 0.0288548    total: 44.3s  remaining: 2.78s
941: learn: 0.0288281    total: 44.4s  remaining: 2.73s
942: learn: 0.0287864    total: 44.4s  remaining: 2.68s
943: learn: 0.0287464    total: 44.4s  remaining: 2.63s
944: learn: 0.0286990    total: 44.4s  remaining: 2.58s
945: learn: 0.0286964    total: 44.5s  remaining: 2.54s
946: learn: 0.0286856    total: 44.5s  remaining: 2.49s
947: learn: 0.0286339    total: 44.6s  remaining: 2.45s
948: learn: 0.0285923    total: 44.6s  remaining: 2.4s
949: learn: 0.0285611    total: 44.7s  remaining: 2.35s
950: learn: 0.0285294    total: 44.7s  remaining: 2.3s
951: learn: 0.0285033    total: 44.8s  remaining: 2.26s
952: learn: 0.0284681    total: 44.8s  remaining: 2.21s
953: learn: 0.0284314    total: 44.8s  remaining: 2.16s
954: learn: 0.0283850    total: 44.8s  remaining: 2.11s
855: learn: 0.0344780    total: 39.9s  remaining: 6.71s
856: learn: 0.0344055    total: 39.9s  remaining: 6.65s
857: learn: 0.0343571    total: 39.9s  remaining: 6.6s
858: learn: 0.0343329    total: 39.9s  remaining: 6.54s
859: learn: 0.0342994    total: 39.9s  remaining: 6.49s
860: learn: 0.0342599    total: 39.9s  remaining: 6.44s
861: learn: 0.0341993    total: 39.9s  remaining: 6.39s
862: learn: 0.0341417    total: 39.9s  remaining: 6.34s
863: learn: 0.0340808    total: 39.9s  remaining: 6.28s
864: learn: 0.0340299    total: 39.9s  remaining: 6.23s
865: learn: 0.0339919    total: 39.9s  remaining: 6.18s
866: learn: 0.0339523    total: 39.9s  remaining: 6.13s
867: learn: 0.0339126    total: 39.9s  remaining: 6.07s
868: learn: 0.0339113    total: 40s   remaining: 6.02s
869: learn: 0.0338959    total: 40s   remaining: 5.97s
870: learn: 0.0338944    total: 40s   remaining: 5.92s
871: learn: 0.0338170    total: 40s   remaining: 5.87s
872: learn: 0.0337708    total: 40s   remaining: 5.82s
873: learn: 0.0337012    total: 40s   remaining: 5.77s
874: learn: 0.0336566    total: 40.1s  remaining: 5.72s
875: learn: 0.0336209    total: 40.1s  remaining: 5.67s
876: learn: 0.0335884    total: 40.1s  remaining: 5.62s
877: learn: 0.0335353    total: 40.1s  remaining: 5.57s
878: learn: 0.0334974    total: 40.1s  remaining: 5.52s
879: learn: 0.0334456    total: 40.1s  remaining: 5.47s
880: learn: 0.0334313    total: 40.1s  remaining: 5.42s
881: learn: 0.0334052    total: 40.1s  remaining: 5.37s
882: learn: 0.0333658    total: 40.2s  remaining: 5.32s
883: learn: 0.0333330    total: 40.2s  remaining: 5.27s
884: learn: 0.0333265    total: 40.2s  remaining: 5.22s
885: learn: 0.0332902    total: 40.2s  remaining: 5.17s
886: learn: 0.0332391    total: 40.2s  remaining: 5.12s
887: learn: 0.0331986    total: 40.3s  remaining: 5.08s
888: learn: 0.0331538    total: 40.3s  remaining: 5.04s
889: learn: 0.0330786    total: 40.4s  remaining: 4.99s
890: learn: 0.0330207    total: 40.4s  remaining: 4.94s
891: learn: 0.0330191    total: 40.4s  remaining: 4.9s
892: learn: 0.0329519    total: 40.5s  remaining: 4.85s
893: learn: 0.0329041    total: 40.5s  remaining: 4.81s
894: learn: 0.0328329    total: 40.6s  remaining: 4.77s

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895: learn: 0.0327927      total: 40.7s    remaining: 4.72s
896: learn: 0.0327629      total: 40.7s    remaining: 4.67s
897: learn: 0.0327099      total: 40.8s    remaining: 4.63s
898: learn: 0.0326675      total: 40.8s    remaining: 4.59s
899: learn: 0.0326213      total: 40.9s    remaining: 4.54s
900: learn: 0.0326065      total: 40.9s    remaining: 4.49s
901: learn: 0.0325650      total: 40.9s    remaining: 4.45s
902: learn: 0.0325290      total: 41s       remaining: 4.41s
903: learn: 0.0324880      total: 41s       remaining: 4.36s
904: learn: 0.0324341      total: 41s       remaining: 4.31s
905: learn: 0.0323762      total: 41.1s    remaining: 4.26s
906: learn: 0.0323100      total: 41.1s    remaining: 4.21s
907: learn: 0.0322666      total: 41.2s    remaining: 4.17s
908: learn: 0.0322113      total: 41.2s    remaining: 4.12s
909: learn: 0.0321630      total: 41.2s    remaining: 4.08s
910: learn: 0.0321053      total: 41.3s    remaining: 4.03s
911: learn: 0.0320905      total: 41.3s    remaining: 3.98s
912: learn: 0.0320416      total: 41.4s    remaining: 3.94s
913: learn: 0.0319827      total: 41.4s    remaining: 3.9s
914: learn: 0.0319294      total: 41.5s    remaining: 3.85s
915: learn: 0.0318815      total: 41.5s    remaining: 3.8s
916: learn: 0.0318431      total: 41.6s    remaining: 3.76s
917: learn: 0.0318263      total: 41.6s    remaining: 3.71s
918: learn: 0.0317814      total: 41.6s    remaining: 3.67s
919: learn: 0.0317478      total: 41.6s    remaining: 3.62s
920: learn: 0.0317168      total: 41.7s    remaining: 3.57s
921: learn: 0.0316970      total: 41.7s    remaining: 3.53s
922: learn: 0.0316436      total: 41.7s    remaining: 3.48s
923: learn: 0.0315985      total: 41.8s    remaining: 3.44s
924: learn: 0.0315910      total: 41.8s    remaining: 3.39s
925: learn: 0.0315604      total: 41.8s    remaining: 3.34s
926: learn: 0.0315122      total: 41.9s    remaining: 3.3s
927: learn: 0.0315077      total: 42s       remaining: 3.25s
928: learn: 0.0314780      total: 42s       remaining: 3.21s
929: learn: 0.0314448      total: 42s       remaining: 3.16s
930: learn: 0.0314120      total: 42.1s    remaining: 3.12s
931: learn: 0.0314023      total: 42.1s    remaining: 3.07s
932: learn: 0.0313390      total: 42.1s    remaining: 3.02s
933: learn: 0.0312928      total: 42.1s    remaining: 2.98s
934: learn: 0.0312481      total: 42.2s    remaining: 2.93s
935: learn: 0.0312005      total: 42.2s    remaining: 2.88s
936: learn: 0.0311350      total: 42.2s    remaining: 2.84s
937: learn: 0.0310814      total: 42.2s    remaining: 2.79s
938: learn: 0.0310413      total: 42.3s    remaining: 2.75s
939: learn: 0.0309798      total: 42.3s    remaining: 2.7s
940: learn: 0.0309676      total: 42.3s    remaining: 2.65s
941: learn: 0.0309134      total: 42.4s    remaining: 2.61s
942: learn: 0.0308657      total: 42.4s    remaining: 2.56s
943: learn: 0.0308165      total: 42.4s    remaining: 2.52s
944: learn: 0.0307730      total: 42.5s    remaining: 2.47s
945: learn: 0.0307622      total: 42.5s    remaining: 2.42s
946: learn: 0.0307423      total: 42.5s    remaining: 2.38s
947: learn: 0.0307006      total: 42.6s    remaining: 2.33s
948: learn: 0.0306636      total: 42.6s    remaining: 2.29s
949: learn: 0.0306228      total: 42.7s    remaining: 2.25s
950: learn: 0.0305871      total: 42.7s    remaining: 2.2s
951: learn: 0.0305548      total: 42.7s    remaining: 2.15s
952: learn: 0.0305059      total: 42.7s    remaining: 2.11s
953: learn: 0.0304709      total: 42.8s    remaining: 2.06s
954: learn: 0.0304181      total: 42.8s    remaining: 2.02s
955: learn: 0.0303862      total: 42.9s    remaining: 1.97s
956: learn: 0.0303801      total: 42.9s    remaining: 1.93s
957: learn: 0.0303506      total: 42.9s    remaining: 1.88s
958: learn: 0.0302936      total: 42.9s    remaining: 1.83s

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959: learn: 0.0302425      total: 43s      remaining: 1.79s
960: learn: 0.0302033      total: 43s      remaining: 1.75s
961: learn: 0.0301727      total: 43.1s     remaining: 1.7s
962: learn: 0.0301491      total: 43.1s     remaining: 1.66s
963: learn: 0.0301404      total: 43.1s     remaining: 1.61s
964: learn: 0.0300961      total: 43.1s     remaining: 1.56s
965: learn: 0.0300708      total: 43.1s     remaining: 1.52s
966: learn: 0.0300429      total: 43.2s     remaining: 1.47s
967: learn: 0.0300236      total: 43.2s     remaining: 1.43s
968: learn: 0.0299764      total: 43.2s     remaining: 1.38s
969: learn: 0.0299248      total: 43.2s     remaining: 1.34s
970: learn: 0.0298615      total: 43.2s     remaining: 1.29s
971: learn: 0.0298285      total: 43.3s     remaining: 1.25s
972: learn: 0.0297897      total: 43.3s     remaining: 1.2s
973: learn: 0.0297560      total: 43.5s     remaining: 1.16s
974: learn: 0.0297352      total: 43.5s     remaining: 1.11s
975: learn: 0.0296905      total: 43.5s     remaining: 1.07s
976: learn: 0.0296770      total: 43.6s     remaining: 1.03s
977: learn: 0.0296335      total: 43.6s     remaining: 982ms
978: learn: 0.0296207      total: 43.8s     remaining: 939ms
979: learn: 0.0295939      total: 43.8s     remaining: 895ms
980: learn: 0.0295618      total: 43.9s     remaining: 850ms
981: learn: 0.0295078      total: 44.1s     remaining: 808ms
982: learn: 0.0294430      total: 44.2s     remaining: 764ms
983: learn: 0.0293779      total: 44.2s     remaining: 718ms
984: learn: 0.0293232      total: 44.2s     remaining: 673ms
985: learn: 0.0292786      total: 44.3s     remaining: 628ms
986: learn: 0.0292354      total: 44.3s     remaining: 583ms
987: learn: 0.0291771      total: 44.3s     remaining: 538ms
988: learn: 0.0291585      total: 44.3s     remaining: 492ms
989: learn: 0.0291405      total: 44.3s     remaining: 447ms
990: learn: 0.0291157      total: 44.3s     remaining: 402ms
991: learn: 0.0290573      total: 44.3s     remaining: 357ms
992: learn: 0.0290038      total: 44.3s     remaining: 312ms
993: learn: 0.0289661      total: 44.3s     remaining: 267ms
994: learn: 0.0289036      total: 44.3s     remaining: 223ms
995: learn: 0.0288945      total: 44.3s     remaining: 178ms
996: learn: 0.0288382      total: 44.3s     remaining: 133ms
997: learn: 0.0287854      total: 44.4s     remaining: 88.9ms
998: learn: 0.0287368      total: 44.4s     remaining: 44.5ms
999: learn: 0.0287098      total: 44.4s     remaining: 0us

Learning rate set to 0.040511
0: learn: 0.3897514      total: 142ms    remaining: 2m 22s
1: learn: 0.3794547      total: 147ms    remaining: 1m 13s
2: learn: 0.3702810      total: 153ms    remaining: 50.7s
3: learn: 0.3612251      total: 185ms    remaining: 46.2s
4: learn: 0.3523126      total: 221ms    remaining: 43.9s
5: learn: 0.3439213      total: 226ms    remaining: 37.5s
6: learn: 0.3357686      total: 241ms    remaining: 34.3s
7: learn: 0.3279043      total: 262ms    remaining: 32.5s
8: learn: 0.3199442      total: 270ms    remaining: 29.7s
9: learn: 0.3129735      total: 278ms    remaining: 27.6s
10: learn: 0.3060708     total: 288ms    remaining: 25.9s
11: learn: 0.2992128     total: 297ms    remaining: 24.5s
12: learn: 0.2927500     total: 339ms    remaining: 25.8s
857: learn: 0.0350024     total: 40.1s     remaining: 6.64s
858: learn: 0.0349582     total: 40.2s     remaining: 6.59s
859: learn: 0.0348817     total: 40.2s     remaining: 6.54s
860: learn: 0.0348134     total: 40.2s     remaining: 6.49s
861: learn: 0.0347407     total: 40.2s     remaining: 6.44s
862: learn: 0.0347079     total: 40.3s     remaining: 6.39s
863: learn: 0.0346711     total: 40.3s     remaining: 6.35s
864: learn: 0.0346336     total: 40.3s     remaining: 6.3s
865: learn: 0.0345794     total: 40.4s     remaining: 6.25s

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866:	learn: 0.0345308	total: 40.4s	remaining: 6.2s
867:	learn: 0.0344882	total: 40.4s	remaining: 6.15s
868:	learn: 0.0344852	total: 40.5s	remaining: 6.11s
869:	learn: 0.0344450	total: 40.6s	remaining: 6.06s
870:	learn: 0.0344057	total: 40.7s	remaining: 6.02s
871:	learn: 0.0343399	total: 40.7s	remaining: 5.97s
872:	learn: 0.0343008	total: 40.7s	remaining: 5.92s
873:	learn: 0.0342593	total: 40.8s	remaining: 5.89s
874:	learn: 0.0342265	total: 40.9s	remaining: 5.85s
875:	learn: 0.0341746	total: 41s	remaining: 5.8s
876:	learn: 0.0341188	total: 41s	remaining: 5.75s
877:	learn: 0.0340423	total: 41s	remaining: 5.7s
878:	learn: 0.0339822	total: 41.1s	remaining: 5.66s
879:	learn: 0.0339325	total: 41.2s	remaining: 5.61s
880:	learn: 0.0339010	total: 41.2s	remaining: 5.57s
881:	learn: 0.0338438	total: 41.3s	remaining: 5.53s
882:	learn: 0.0338411	total: 41.3s	remaining: 5.48s
883:	learn: 0.0337969	total: 41.4s	remaining: 5.43s
884:	learn: 0.0337942	total: 41.4s	remaining: 5.38s
885:	learn: 0.0337143	total: 41.4s	remaining: 5.33s
886:	learn: 0.0336628	total: 41.5s	remaining: 5.28s
887:	learn: 0.0336041	total: 41.5s	remaining: 5.23s
888:	learn: 0.0335788	total: 41.5s	remaining: 5.18s
889:	learn: 0.0335525	total: 41.5s	remaining: 5.13s
890:	learn: 0.0335486	total: 41.6s	remaining: 5.08s
891:	learn: 0.0335131	total: 41.6s	remaining: 5.03s
892:	learn: 0.0334458	total: 41.7s	remaining: 4.99s
893:	learn: 0.0333869	total: 41.7s	remaining: 4.95s
894:	learn: 0.0333175	total: 41.8s	remaining: 4.9s
895:	learn: 0.0332753	total: 41.9s	remaining: 4.86s
896:	learn: 0.0332367	total: 41.9s	remaining: 4.81s
897:	learn: 0.0331728	total: 42s	remaining: 4.77s
898:	learn: 0.0331139	total: 42s	remaining: 4.72s
899:	learn: 0.0330553	total: 42.1s	remaining: 4.68s
900:	learn: 0.0330122	total: 42.1s	remaining: 4.63s
901:	learn: 0.0329433	total: 42.2s	remaining: 4.58s
902:	learn: 0.0329020	total: 42.2s	remaining: 4.54s
903:	learn: 0.0328797	total: 42.2s	remaining: 4.49s
904:	learn: 0.0328289	total: 42.3s	remaining: 4.44s
905:	learn: 0.0327841	total: 42.3s	remaining: 4.39s
906:	learn: 0.0327481	total: 42.3s	remaining: 4.34s
907:	learn: 0.0327346	total: 42.3s	remaining: 4.29s
908:	learn: 0.0326963	total: 42.4s	remaining: 4.24s
909:	learn: 0.0326308	total: 42.4s	remaining: 4.19s
910:	learn: 0.0326063	total: 42.4s	remaining: 4.14s
911:	learn: 0.0325767	total: 42.4s	remaining: 4.09s
912:	learn: 0.0325286	total: 42.5s	remaining: 4.05s
913:	learn: 0.0324919	total: 42.5s	remaining: 4s
914:	learn: 0.0324016	total: 42.6s	remaining: 3.95s
915:	learn: 0.0323609	total: 42.6s	remaining: 3.9s
916:	learn: 0.0323373	total: 42.6s	remaining: 3.86s
917:	learn: 0.0323272	total: 42.7s	remaining: 3.81s
918:	learn: 0.0323135	total: 42.7s	remaining: 3.76s
919:	learn: 0.0322938	total: 42.7s	remaining: 3.72s
920:	learn: 0.0322667	total: 42.8s	remaining: 3.67s
921:	learn: 0.0322347	total: 42.8s	remaining: 3.62s
922:	learn: 0.0322190	total: 42.8s	remaining: 3.57s
923:	learn: 0.0322107	total: 42.9s	remaining: 3.53s
924:	learn: 0.0321846	total: 42.9s	remaining: 3.48s
925:	learn: 0.0321311	total: 43s	remaining: 3.44s
926:	learn: 0.0321244	total: 43.1s	remaining: 3.39s
927:	learn: 0.0320815	total: 43.1s	remaining: 3.35s
928:	learn: 0.0320723	total: 43.2s	remaining: 3.3s
929:	learn: 0.0320326	total: 43.2s	remaining: 3.25s

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930:	learn: 0.0319744	total: 43.3s remaining: 3.21s
931:	learn: 0.0319089	total: 43.3s remaining: 3.16s
932:	learn: 0.0318563	total: 43.3s remaining: 3.11s
933:	learn: 0.0318282	total: 43.3s remaining: 3.06s
934:	learn: 0.0317470	total: 43.4s remaining: 3.02s
935:	learn: 0.0317443	total: 43.5s remaining: 2.97s
936:	learn: 0.0317140	total: 43.6s remaining: 2.93s
937:	learn: 0.0316735	total: 43.6s remaining: 2.88s
938:	learn: 0.0316393	total: 44s remaining: 2.86s
939:	learn: 0.0315900	total: 44s remaining: 2.81s
940:	learn: 0.0315557	total: 44s remaining: 2.76s
941:	learn: 0.0315044	total: 44.1s remaining: 2.72s
942:	learn: 0.0314673	total: 44.2s remaining: 2.67s
943:	learn: 0.0314446	total: 44.3s remaining: 2.63s
944:	learn: 0.0314112	total: 44.3s remaining: 2.58s
945:	learn: 0.0313986	total: 44.4s remaining: 2.53s
946:	learn: 0.0313697	total: 44.4s remaining: 2.48s
947:	learn: 0.0313390	total: 44.4s remaining: 2.44s
948:	learn: 0.0313259	total: 44.4s remaining: 2.39s
949:	learn: 0.0312953	total: 44.5s remaining: 2.34s
950:	learn: 0.0312764	total: 44.5s remaining: 2.29s
951:	learn: 0.0312312	total: 44.6s remaining: 2.25s
952:	learn: 0.0312287	total: 44.6s remaining: 2.2s
953:	learn: 0.0311854	total: 44.7s remaining: 2.15s
954:	learn: 0.0311616	total: 44.7s remaining: 2.1s
955:	learn: 0.0311483	total: 44.7s remaining: 2.06s
956:	learn: 0.0310649	total: 44.7s remaining: 2.01s
957:	learn: 0.0310179	total: 44.8s remaining: 1.96s
958:	learn: 0.0309898	total: 44.8s remaining: 1.92s
959:	learn: 0.0309757	total: 44.9s remaining: 1.87s
960:	learn: 0.0309629	total: 44.9s remaining: 1.82s
961:	learn: 0.0308865	total: 44.9s remaining: 1.77s
962:	learn: 0.0308427	total: 45s remaining: 1.73s
963:	learn: 0.0307857	total: 45s remaining: 1.68s
964:	learn: 0.0307551	total: 45s remaining: 1.63s
965:	learn: 0.0307529	total: 45.1s remaining: 1.59s
966:	learn: 0.0307047	total: 45.2s remaining: 1.54s
967:	learn: 0.0306417	total: 45.2s remaining: 1.49s
968:	learn: 0.0306196	total: 45.2s remaining: 1.45s
969:	learn: 0.0305506	total: 45.2s remaining: 1.4s
970:	learn: 0.0305096	total: 45.3s remaining: 1.35s
971:	learn: 0.0304576	total: 45.3s remaining: 1.3s
972:	learn: 0.0303906	total: 45.3s remaining: 1.26s
973:	learn: 0.0303709	total: 45.4s remaining: 1.21s
974:	learn: 0.0303410	total: 45.4s remaining: 1.16s
975:	learn: 0.0302847	total: 45.4s remaining: 1.11s
976:	learn: 0.0302340	total: 45.4s remaining: 1.07s
977:	learn: 0.0302192	total: 45.4s remaining: 1.02s
978:	learn: 0.0301821	total: 45.4s remaining: 974ms
979:	learn: 0.0301531	total: 45.4s remaining: 927ms
980:	learn: 0.0300758	total: 45.5s remaining: 881ms
981:	learn: 0.0300308	total: 45.5s remaining: 834ms
982:	learn: 0.0299824	total: 45.5s remaining: 787ms
983:	learn: 0.0299508	total: 45.5s remaining: 740ms
984:	learn: 0.0299009	total: 45.6s remaining: 694ms
985:	learn: 0.0298348	total: 45.6s remaining: 648ms
986:	learn: 0.0297837	total: 45.6s remaining: 601ms
987:	learn: 0.0297164	total: 45.7s remaining: 555ms
988:	learn: 0.0296834	total: 45.7s remaining: 508ms
989:	learn: 0.0296447	total: 45.7s remaining: 461ms
990:	learn: 0.0296342	total: 45.8s remaining: 416ms
991:	learn: 0.0296063	total: 45.8s remaining: 369ms
992:	learn: 0.0295523	total: 45.8s remaining: 323ms
993:	learn: 0.0295506	total: 45.9s remaining: 277ms

		houses_kaggle_competition_refined
994:	learn: 0.0295069	total: 46s remaining: 231ms
995:	learn: 0.0294684	total: 46s remaining: 185ms
996:	learn: 0.0294607	total: 46.1s remaining: 139ms
997:	learn: 0.0294256	total: 46.1s remaining: 92.4ms
998:	learn: 0.0293919	total: 46.2s remaining: 46.2ms
999:	learn: 0.0293448	total: 46.2s remaining: 0us
Learning rate set to 0.040511		
0:	learn: 0.3843299	total: 298ms remaining: 4m 57s
1:	learn: 0.3746697	total: 387ms remaining: 3m 13s
2:	learn: 0.3646911	total: 429ms remaining: 2m 22s
3:	learn: 0.3553353	total: 463ms remaining: 1m 55s
4:	learn: 0.3472455	total: 526ms remaining: 1m 44s
5:	learn: 0.3393388	total: 549ms remaining: 1m 31s
6:	learn: 0.3318020	total: 579ms remaining: 1m 22s
7:	learn: 0.3241251	total: 613ms remaining: 1m 16s
8:	learn: 0.3166787	total: 622ms remaining: 1m 8s
9:	learn: 0.3093102	total: 682ms remaining: 1m 7s
10:	learn: 0.3026963	total: 691ms remaining: 1m 2s
11:	learn: 0.2960475	total: 727ms remaining: 59.9s
12:	learn: 0.2895961	total: 737ms remaining: 55.9s
13:	learn: 0.2835727	total: 768ms remaining: 54.1s
14:	learn: 0.2771561	total: 784ms remaining: 51.5s
852:	learn: 0.0353800	total: 43.7s remaining: 7.54s
853:	learn: 0.0353465	total: 43.8s remaining: 7.49s
854:	learn: 0.0353036	total: 44s remaining: 7.47s
855:	learn: 0.0352911	total: 44.1s remaining: 7.42s
856:	learn: 0.0352485	total: 44.1s remaining: 7.36s
857:	learn: 0.0352205	total: 44.3s remaining: 7.33s
858:	learn: 0.0351756	total: 44.3s remaining: 7.28s
859:	learn: 0.0351531	total: 44.3s remaining: 7.22s
860:	learn: 0.0351364	total: 44.4s remaining: 7.16s
861:	learn: 0.0351039	total: 44.5s remaining: 7.12s
862:	learn: 0.0350546	total: 44.6s remaining: 7.07s
863:	learn: 0.0350290	total: 44.6s remaining: 7.02s
864:	learn: 0.0349863	total: 44.7s remaining: 6.98s
865:	learn: 0.0349314	total: 44.8s remaining: 6.93s
866:	learn: 0.0349228	total: 44.8s remaining: 6.88s
867:	learn: 0.0348770	total: 44.8s remaining: 6.82s
868:	learn: 0.0348156	total: 44.8s remaining: 6.76s
869:	learn: 0.0347676	total: 44.8s remaining: 6.7s
870:	learn: 0.0347111	total: 44.9s remaining: 6.64s
871:	learn: 0.0346734	total: 44.9s remaining: 6.59s
872:	learn: 0.0346117	total: 44.9s remaining: 6.54s
873:	learn: 0.0345545	total: 45s remaining: 6.48s
874:	learn: 0.0345042	total: 45s remaining: 6.43s
875:	learn: 0.0344724	total: 45s remaining: 6.37s
876:	learn: 0.0344081	total: 45s remaining: 6.31s
877:	learn: 0.0343903	total: 45s remaining: 6.26s
878:	learn: 0.0343533	total: 45.1s remaining: 6.2s
879:	learn: 0.0343261	total: 45.1s remaining: 6.15s
880:	learn: 0.0342882	total: 45.1s remaining: 6.09s
881:	learn: 0.0342234	total: 45.2s remaining: 6.04s
882:	learn: 0.0341830	total: 45.2s remaining: 5.98s
883:	learn: 0.0341505	total: 45.2s remaining: 5.93s
884:	learn: 0.0340979	total: 45.2s remaining: 5.88s
885:	learn: 0.0340573	total: 45.3s remaining: 5.82s
886:	learn: 0.0339885	total: 45.3s remaining: 5.77s
887:	learn: 0.0339589	total: 45.3s remaining: 5.71s
888:	learn: 0.0339388	total: 45.3s remaining: 5.65s
889:	learn: 0.0339139	total: 45.3s remaining: 5.6s
890:	learn: 0.0338762	total: 45.3s remaining: 5.54s
891:	learn: 0.0338580	total: 45.6s remaining: 5.52s
892:	learn: 0.0337846	total: 45.6s remaining: 5.47s
893:	learn: 0.0337439	total: 45.7s remaining: 5.41s

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894: learn: 0.0337341      total: 45.7s  remaining: 5.36s
895: learn: 0.0336927      total: 45.7s  remaining: 5.3s
896: learn: 0.0336529      total: 45.7s  remaining: 5.25s
897: learn: 0.0335960      total: 45.8s  remaining: 5.2s
898: learn: 0.0335293      total: 45.8s  remaining: 5.14s
899: learn: 0.0334945      total: 45.9s  remaining: 5.1s
900: learn: 0.0334526      total: 46s    remaining: 5.05s
901: learn: 0.0334256      total: 46s    remaining: 5s
902: learn: 0.0334037      total: 46.1s  remaining: 4.95s
903: learn: 0.0333581      total: 46.1s  remaining: 4.89s
904: learn: 0.0333147      total: 46.1s  remaining: 4.84s
905: learn: 0.0332583      total: 46.1s  remaining: 4.78s
906: learn: 0.0332079      total: 46.1s  remaining: 4.73s
907: learn: 0.0331610      total: 46.1s  remaining: 4.67s
908: learn: 0.0331223      total: 46.2s  remaining: 4.62s
909: learn: 0.0330567      total: 46.2s  remaining: 4.57s
910: learn: 0.0330377      total: 46.2s  remaining: 4.52s
911: learn: 0.0329852      total: 46.3s  remaining: 4.46s
912: learn: 0.0329632      total: 46.3s  remaining: 4.41s
913: learn: 0.0329299      total: 46.3s  remaining: 4.36s
914: learn: 0.0328439      total: 46.3s  remaining: 4.3s
915: learn: 0.0328106      total: 46.4s  remaining: 4.25s
916: learn: 0.0327931      total: 46.4s  remaining: 4.2s
917: learn: 0.0327690      total: 46.4s  remaining: 4.15s
918: learn: 0.0327220      total: 46.5s  remaining: 4.1s
919: learn: 0.0326991      total: 46.5s  remaining: 4.04s
920: learn: 0.0326820      total: 46.5s  remaining: 3.99s
921: learn: 0.0326426      total: 46.5s  remaining: 3.94s
922: learn: 0.0326132      total: 46.6s  remaining: 3.88s
923: learn: 0.0325380      total: 46.6s  remaining: 3.83s
924: learn: 0.0325041      total: 46.6s  remaining: 3.78s
925: learn: 0.0324598      total: 46.7s  remaining: 3.73s
926: learn: 0.0324064      total: 46.7s  remaining: 3.68s
927: learn: 0.0323651      total: 46.7s  remaining: 3.62s
928: learn: 0.0322878      total: 46.7s  remaining: 3.57s
929: learn: 0.0322416      total: 46.7s  remaining: 3.52s
930: learn: 0.0321876      total: 46.7s  remaining: 3.46s
931: learn: 0.0321714      total: 46.8s  remaining: 3.41s
932: learn: 0.0321193      total: 46.8s  remaining: 3.36s
933: learn: 0.0320882      total: 46.8s  remaining: 3.31s
934: learn: 0.0320252      total: 46.9s  remaining: 3.26s
935: learn: 0.0319821      total: 46.9s  remaining: 3.21s
936: learn: 0.0319527      total: 47s    remaining: 3.16s
937: learn: 0.0319143      total: 47s    remaining: 3.11s
938: learn: 0.0318475      total: 47s    remaining: 3.06s
939: learn: 0.0318164      total: 47s    remaining: 3s
940: learn: 0.0318000      total: 47.1s  remaining: 2.95s
941: learn: 0.0317589      total: 47.1s  remaining: 2.9s
942: learn: 0.0317328      total: 47.1s  remaining: 2.85s
943: learn: 0.0316940      total: 47.2s  remaining: 2.8s
944: learn: 0.0316557      total: 47.2s  remaining: 2.75s
945: learn: 0.0316339      total: 47.2s  remaining: 2.69s
946: learn: 0.0315872      total: 47.2s  remaining: 2.64s
947: learn: 0.0315676      total: 47.3s  remaining: 2.59s
948: learn: 0.0315629      total: 47.3s  remaining: 2.54s
949: learn: 0.0315286      total: 47.4s  remaining: 2.49s
950: learn: 0.0314709      total: 47.4s  remaining: 2.44s
951: learn: 0.0313998      total: 47.4s  remaining: 2.39s
952: learn: 0.0313770      total: 47.4s  remaining: 2.34s
953: learn: 0.0313250      total: 47.5s  remaining: 2.29s
954: learn: 0.0312998      total: 47.5s  remaining: 2.24s
955: learn: 0.0312563      total: 47.5s  remaining: 2.19s
956: learn: 0.0312254      total: 47.6s  remaining: 2.14s
957: learn: 0.0311755      total: 47.6s  remaining: 2.09s

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958: learn: 0.0311562      total: 47.6s    remaining: 2.04s
959: learn: 0.0311198      total: 47.7s    remaining: 1.99s
960: learn: 0.0310758      total: 47.7s    remaining: 1.94s
961: learn: 0.0310410      total: 47.7s    remaining: 1.89s
962: learn: 0.0310023      total: 47.8s    remaining: 1.83s
963: learn: 0.0309880      total: 47.8s    remaining: 1.79s
964: learn: 0.0309639      total: 47.9s    remaining: 1.74s
965: learn: 0.0309440      total: 47.9s    remaining: 1.69s
966: learn: 0.0309333      total: 47.9s    remaining: 1.64s
967: learn: 0.0308866      total: 48s      remaining: 1.59s
968: learn: 0.0308004      total: 48s      remaining: 1.54s
969: learn: 0.0307747      total: 48.1s    remaining: 1.49s
970: learn: 0.0307135      total: 48.1s    remaining: 1.44s
971: learn: 0.0306838      total: 48.1s    remaining: 1.39s
972: learn: 0.0306346      total: 48.2s    remaining: 1.34s
973: learn: 0.0305983      total: 48.2s    remaining: 1.29s
974: learn: 0.0305793      total: 48.2s    remaining: 1.24s
975: learn: 0.0305319      total: 48.3s    remaining: 1.19s
976: learn: 0.0304931      total: 48.4s    remaining: 1.14s
977: learn: 0.0304880      total: 48.4s    remaining: 1.09s
978: learn: 0.0304583      total: 48.4s    remaining: 1.04s
979: learn: 0.0304318      total: 48.5s    remaining: 989ms
980: learn: 0.0303950      total: 48.5s    remaining: 939ms
981: learn: 0.0303867      total: 48.5s    remaining: 889ms
982: learn: 0.0303648      total: 48.5s    remaining: 840ms
983: learn: 0.0303534      total: 48.6s    remaining: 790ms
984: learn: 0.0303268      total: 48.6s    remaining: 740ms
985: learn: 0.0303105      total: 48.6s    remaining: 691ms
986: learn: 0.0302533      total: 48.7s    remaining: 641ms
987: learn: 0.0302054      total: 48.7s    remaining: 592ms
988: learn: 0.0301540      total: 48.7s    remaining: 542ms
989: learn: 0.0301147      total: 48.8s    remaining: 493ms
990: learn: 0.0300979      total: 48.8s    remaining: 443ms
991: learn: 0.0300231      total: 48.9s    remaining: 394ms
992: learn: 0.0300188      total: 48.9s    remaining: 345ms
993: learn: 0.0300118      total: 48.9s    remaining: 295ms
994: learn: 0.0300035      total: 49s      remaining: 246ms
995: learn: 0.0299674      total: 49s      remaining: 197ms
996: learn: 0.0299316      total: 49s      remaining: 147ms
997: learn: 0.0298943      total: 49s      remaining: 98.2ms
998: learn: 0.0298532      total: 49.1s    remaining: 49.1ms
999: learn: 0.0297969      total: 49.1s    remaining: 0us

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Learning rate set to 0.040511

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0: learn: 0.3970001      total: 119ms   remaining: 1m 59s
1: learn: 0.3867226      total: 163ms   remaining: 1m 21s
2: learn: 0.3770556      total: 214ms   remaining: 1m 11s
3: learn: 0.3671350      total: 287ms   remaining: 1m 11s
4: learn: 0.3581650      total: 319ms   remaining: 1m 3s
5: learn: 0.3486907      total: 331ms   remaining: 54.8s
6: learn: 0.3396518      total: 508ms   remaining: 1m 12s
7: learn: 0.3312481      total: 525ms   remaining: 1m 5s
8: learn: 0.3237922      total: 572ms   remaining: 1m 2s
9: learn: 0.3162281      total: 596ms   remaining: 59s
854: learn: 0.0349799      total: 44.5s   remaining: 7.54s
855: learn: 0.0349162      total: 44.5s   remaining: 7.49s
856: learn: 0.0348577      total: 44.6s   remaining: 7.44s
857: learn: 0.0348005      total: 44.6s   remaining: 7.38s
858: learn: 0.0347816      total: 44.6s   remaining: 7.32s
859: learn: 0.0347685      total: 44.6s   remaining: 7.27s
860: learn: 0.0347241      total: 44.7s   remaining: 7.21s
861: learn: 0.0347096      total: 44.7s   remaining: 7.15s
862: learn: 0.0346708      total: 44.7s   remaining: 7.09s
863: learn: 0.0346110      total: 44.7s   remaining: 7.04s
864: learn: 0.0345838      total: 44.8s   remaining: 6.99s

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865: learn: 0.0345452    total: 44.8s  remaining: 6.94s
866: learn: 0.0344930    total: 44.9s  remaining: 6.89s
867: learn: 0.0344499    total: 45s    remaining: 6.85s
868: learn: 0.0343919    total: 45s    remaining: 6.79s
869: learn: 0.0343497    total: 45s    remaining: 6.73s
870: learn: 0.0342662    total: 45.1s   remaining: 6.67s
871: learn: 0.0342180    total: 45.1s   remaining: 6.62s
872: learn: 0.0341692    total: 45.2s   remaining: 6.57s
873: learn: 0.0341158    total: 45.2s   remaining: 6.52s
874: learn: 0.0340913    total: 45.3s   remaining: 6.48s
875: learn: 0.0340398    total: 45.4s   remaining: 6.42s
876: learn: 0.0340041    total: 45.4s   remaining: 6.37s
877: learn: 0.0339553    total: 45.4s   remaining: 6.31s
878: learn: 0.0339081    total: 45.4s   remaining: 6.25s
879: learn: 0.0339030    total: 45.5s   remaining: 6.2s
880: learn: 0.0338711    total: 45.5s   remaining: 6.14s
881: learn: 0.0338252    total: 45.5s   remaining: 6.09s
882: learn: 0.0337940    total: 45.5s   remaining: 6.03s
883: learn: 0.0337547    total: 45.6s   remaining: 5.98s
884: learn: 0.0337141    total: 45.6s   remaining: 5.93s
885: learn: 0.0336602    total: 45.6s   remaining: 5.87s
886: learn: 0.0335963    total: 45.7s   remaining: 5.82s
887: learn: 0.0335573    total: 45.7s   remaining: 5.76s
888: learn: 0.0335164    total: 45.7s   remaining: 5.71s
889: learn: 0.0334580    total: 45.8s   remaining: 5.66s
890: learn: 0.0334137    total: 45.8s   remaining: 5.6s
891: learn: 0.0333865    total: 45.8s   remaining: 5.54s
892: learn: 0.0333513    total: 45.8s   remaining: 5.49s
893: learn: 0.0333051    total: 45.8s   remaining: 5.43s
894: learn: 0.0332495    total: 45.9s   remaining: 5.38s
895: learn: 0.0331881    total: 45.9s   remaining: 5.33s
896: learn: 0.0331445    total: 45.9s   remaining: 5.28s
897: learn: 0.0330971    total: 46s    remaining: 5.22s
898: learn: 0.0330498    total: 46s    remaining: 5.16s
899: learn: 0.0330135    total: 46s    remaining: 5.11s
900: learn: 0.0330036    total: 46s    remaining: 5.05s
901: learn: 0.0329593    total: 46s    remaining: 5s
902: learn: 0.0328642    total: 46.1s   remaining: 4.95s
903: learn: 0.0328288    total: 46.1s   remaining: 4.89s
904: learn: 0.0328017    total: 46.1s   remaining: 4.84s
905: learn: 0.0327679    total: 46.1s   remaining: 4.79s
906: learn: 0.0327255    total: 46.1s   remaining: 4.73s
907: learn: 0.0326786    total: 46.2s   remaining: 4.68s
908: learn: 0.0326301    total: 46.2s   remaining: 4.62s
909: learn: 0.0326072    total: 46.2s   remaining: 4.57s
910: learn: 0.0325598    total: 46.2s   remaining: 4.52s
911: learn: 0.0325243    total: 46.3s   remaining: 4.46s
912: learn: 0.0325035    total: 46.3s   remaining: 4.41s
913: learn: 0.0324658    total: 46.4s   remaining: 4.36s
914: learn: 0.0324207    total: 46.4s   remaining: 4.31s
915: learn: 0.0323770    total: 46.5s   remaining: 4.26s
916: learn: 0.0323511    total: 46.5s   remaining: 4.21s
917: learn: 0.0322845    total: 46.6s   remaining: 4.16s
918: learn: 0.0322256    total: 46.6s   remaining: 4.11s
919: learn: 0.0321684    total: 46.6s   remaining: 4.06s
920: learn: 0.0321340    total: 46.7s   remaining: 4.01s
921: learn: 0.0320918    total: 46.7s   remaining: 3.95s
922: learn: 0.0320599    total: 46.8s   remaining: 3.9s
923: learn: 0.0320159    total: 46.8s   remaining: 3.85s
924: learn: 0.0320046    total: 46.8s   remaining: 3.8s
925: learn: 0.0319413    total: 46.9s   remaining: 3.74s
926: learn: 0.0319380    total: 46.9s   remaining: 3.69s
927: learn: 0.0318832    total: 46.9s   remaining: 3.64s
928: learn: 0.0318506    total: 47s    remaining: 3.59s

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929: learn: 0.0318136      total: 47s      remaining: 3.54s
930: learn: 0.0318038      total: 47s      remaining: 3.48s
931: learn: 0.0317675      total: 47.1s     remaining: 3.43s
932: learn: 0.0317261      total: 47.1s     remaining: 3.38s
933: learn: 0.0317157      total: 47.1s     remaining: 3.33s
934: learn: 0.0316641      total: 47.1s     remaining: 3.27s
935: learn: 0.0316542      total: 47.1s     remaining: 3.22s
936: learn: 0.0315913      total: 47.2s     remaining: 3.17s
937: learn: 0.0315887      total: 47.2s     remaining: 3.12s
938: learn: 0.0315358      total: 47.3s     remaining: 3.07s
939: learn: 0.0314721      total: 47.3s     remaining: 3.02s
940: learn: 0.0314644      total: 47.3s     remaining: 2.96s
941: learn: 0.0314130      total: 47.3s     remaining: 2.91s
942: learn: 0.0313818      total: 47.4s     remaining: 2.86s
943: learn: 0.0313342      total: 47.4s     remaining: 2.81s
944: learn: 0.0312780      total: 47.4s     remaining: 2.76s
945: learn: 0.0312466      total: 47.4s     remaining: 2.71s
946: learn: 0.0312138      total: 47.5s     remaining: 2.66s
947: learn: 0.0311827      total: 47.5s     remaining: 2.6s
948: learn: 0.0311485      total: 47.5s     remaining: 2.56s
949: learn: 0.0311228      total: 47.6s     remaining: 2.5s
950: learn: 0.0310622      total: 47.6s     remaining: 2.45s
951: learn: 0.0310395      total: 47.6s     remaining: 2.4s
952: learn: 0.0310338      total: 47.7s     remaining: 2.35s
953: learn: 0.0309892      total: 47.7s     remaining: 2.3s
954: learn: 0.0309539      total: 47.8s     remaining: 2.25s
955: learn: 0.0309460      total: 47.8s     remaining: 2.2s
956: learn: 0.0308788      total: 47.8s     remaining: 2.15s
957: learn: 0.0308394      total: 47.9s     remaining: 2.1s
958: learn: 0.0308004      total: 47.9s     remaining: 2.05s
959: learn: 0.0307587      total: 48s       remaining: 2s
960: learn: 0.0307275      total: 48s       remaining: 1.95s
961: learn: 0.0307169      total: 48s       remaining: 1.9s
962: learn: 0.0306585      total: 48s       remaining: 1.84s
963: learn: 0.0306205      total: 48s       remaining: 1.79s
964: learn: 0.0305853      total: 48.1s     remaining: 1.74s
965: learn: 0.0305445      total: 48.1s     remaining: 1.69s
966: learn: 0.0304892      total: 48.1s     remaining: 1.64s
967: learn: 0.0304455      total: 48.1s     remaining: 1.59s
968: learn: 0.0304092      total: 48.2s     remaining: 1.54s
969: learn: 0.0303615      total: 48.2s     remaining: 1.49s
970: learn: 0.0303333      total: 48.2s     remaining: 1.44s
971: learn: 0.0303033      total: 48.2s     remaining: 1.39s
972: learn: 0.0302651      total: 48.2s     remaining: 1.34s
973: learn: 0.0302257      total: 48.2s     remaining: 1.29s
974: learn: 0.0301631      total: 48.3s     remaining: 1.24s
975: learn: 0.0301500      total: 48.3s     remaining: 1.19s
976: learn: 0.0301017      total: 48.3s     remaining: 1.14s
977: learn: 0.0300530      total: 48.3s     remaining: 1.09s
978: learn: 0.0300389      total: 48.3s     remaining: 1.04s
979: learn: 0.0299873      total: 48.3s     remaining: 986ms
980: learn: 0.0299405      total: 48.3s     remaining: 936ms
981: learn: 0.0299338      total: 48.3s     remaining: 886ms
982: learn: 0.0299077      total: 48.3s     remaining: 836ms
983: learn: 0.0298683      total: 48.3s     remaining: 786ms
984: learn: 0.0298658      total: 48.4s     remaining: 736ms
985: learn: 0.0298385      total: 48.4s     remaining: 687ms
986: learn: 0.0298233      total: 48.5s     remaining: 639ms
987: learn: 0.0297672      total: 48.5s     remaining: 589ms
988: learn: 0.0297328      total: 48.5s     remaining: 540ms
989: learn: 0.0296928      total: 48.6s     remaining: 491ms
990: learn: 0.0296416      total: 48.7s     remaining: 442ms
991: learn: 0.0295879      total: 48.7s     remaining: 393ms
992: learn: 0.0295671      total: 48.7s     remaining: 343ms

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		houses_kaggle_competition_refined
993:	learn: 0.0295247	total: 48.7s remaining: 294ms
994:	learn: 0.0294749	total: 48.8s remaining: 245ms
995:	learn: 0.0294674	total: 48.8s remaining: 196ms
996:	learn: 0.0294316	total: 48.8s remaining: 147ms
997:	learn: 0.0293745	total: 48.8s remaining: 97.7ms
998:	learn: 0.0293521	total: 48.8s remaining: 48.8ms
999:	learn: 0.0292954	total: 48.8s remaining: 0us
Learning rate set to 0.040511		
0:	learn: 0.3965390	total: 229ms remaining: 3m 48s
1:	learn: 0.3860743	total: 286ms remaining: 2m 22s
2:	learn: 0.3762047	total: 307ms remaining: 1m 42s
3:	learn: 0.3664773	total: 366ms remaining: 1m 31s
4:	learn: 0.3573844	total: 386ms remaining: 1m 16s
5:	learn: 0.3491479	total: 467ms remaining: 1m 17s
6:	learn: 0.3405228	total: 516ms remaining: 1m 13s
7:	learn: 0.3324571	total: 682ms remaining: 1m 24s
8:	learn: 0.3245991	total: 744ms remaining: 1m 21s
9:	learn: 0.3178374	total: 848ms remaining: 1m 23s
10:	learn: 0.3109802	total: 891ms remaining: 1m 20s
11:	learn: 0.3045446	total: 970ms remaining: 1m 19s
13:	learn: 0.2861538	total: 347ms remaining: 24.4s
14:	learn: 0.2801693	total: 378ms remaining: 24.8s
15:	learn: 0.2743756	total: 393ms remaining: 24.2s
16:	learn: 0.2686384	total: 410ms remaining: 23.7s
17:	learn: 0.2629289	total: 429ms remaining: 23.4s
18:	learn: 0.2580968	total: 441ms remaining: 22.8s
19:	learn: 0.2533556	total: 466ms remaining: 22.8s
20:	learn: 0.2481209	total: 500ms remaining: 23.3s
21:	learn: 0.2431434	total: 525ms remaining: 23.3s
22:	learn: 0.2386741	total: 573ms remaining: 24.4s
23:	learn: 0.2348283	total: 617ms remaining: 25.1s
24:	learn: 0.2307574	total: 623ms remaining: 24.3s
25:	learn: 0.2269075	total: 628ms remaining: 23.5s
26:	learn: 0.2228672	total: 634ms remaining: 22.9s
27:	learn: 0.2188998	total: 666ms remaining: 23.1s
28:	learn: 0.2150558	total: 690ms remaining: 23.1s
29:	learn: 0.2115591	total: 695ms remaining: 22.5s
30:	learn: 0.2083310	total: 705ms remaining: 22s
31:	learn: 0.2052155	total: 748ms remaining: 22.6s
32:	learn: 0.2021374	total: 761ms remaining: 22.3s
33:	learn: 0.1989316	total: 793ms remaining: 22.5s
34:	learn: 0.1961086	total: 805ms remaining: 22.2s
35:	learn: 0.1933406	total: 847ms remaining: 22.7s
36:	learn: 0.1905790	total: 857ms remaining: 22.3s
37:	learn: 0.1879861	total: 892ms remaining: 22.6s
38:	learn: 0.1855841	total: 910ms remaining: 22.4s
39:	learn: 0.1834143	total: 953ms remaining: 22.9s
40:	learn: 0.1811388	total: 977ms remaining: 22.9s
41:	learn: 0.1791679	total: 994ms remaining: 22.7s
42:	learn: 0.1769890	total: 1.03s remaining: 22.9s
43:	learn: 0.1751891	total: 1.09s remaining: 23.7s
44:	learn: 0.1731696	total: 1.11s remaining: 23.5s
45:	learn: 0.1712149	total: 1.13s remaining: 23.4s
46:	learn: 0.1691282	total: 1.15s remaining: 23.4s
47:	learn: 0.1672858	total: 1.18s remaining: 23.3s
48:	learn: 0.1655232	total: 1.2s remaining: 23.3s
49:	learn: 0.1635783	total: 1.23s remaining: 23.4s
50:	learn: 0.1618300	total: 1.25s remaining: 23.3s
51:	learn: 0.1602731	total: 1.3s remaining: 23.6s
52:	learn: 0.1586536	total: 1.32s remaining: 23.6s
53:	learn: 0.1572361	total: 1.34s remaining: 23.5s
54:	learn: 0.1557998	total: 1.35s remaining: 23.3s
55:	learn: 0.1545348	total: 1.38s remaining: 23.3s
56:	learn: 0.1532321	total: 1.39s remaining: 22.9s

		houses_kaggle_competition_refined
57:	learn: 0.1518284	total: 1.41s remaining: 22.9s
58:	learn: 0.1507735	total: 1.43s remaining: 22.9s
59:	learn: 0.1495476	total: 1.44s remaining: 22.6s
60:	learn: 0.1482980	total: 1.47s remaining: 22.6s
61:	learn: 0.1471171	total: 1.5s remaining: 22.7s
62:	learn: 0.1459219	total: 1.52s remaining: 22.6s
63:	learn: 0.1447794	total: 1.56s remaining: 22.8s
64:	learn: 0.1437479	total: 1.57s remaining: 22.6s
65:	learn: 0.1427076	total: 1.59s remaining: 22.5s
66:	learn: 0.1416114	total: 1.6s remaining: 22.4s
67:	learn: 0.1407158	total: 1.61s remaining: 22.1s
68:	learn: 0.1396912	total: 1.65s remaining: 22.2s
69:	learn: 0.1387785	total: 1.69s remaining: 22.5s
70:	learn: 0.1379627	total: 1.72s remaining: 22.5s
71:	learn: 0.1371843	total: 1.75s remaining: 22.5s
72:	learn: 0.1361313	total: 1.78s remaining: 22.6s
73:	learn: 0.1351761	total: 1.79s remaining: 22.5s
74:	learn: 0.1343499	total: 1.83s remaining: 22.6s
75:	learn: 0.1335925	total: 1.84s remaining: 22.4s
76:	learn: 0.1327390	total: 1.84s remaining: 22.1s
77:	learn: 0.1319822	total: 1.86s remaining: 22.1s
78:	learn: 0.1312085	total: 1.88s remaining: 21.9s
79:	learn: 0.1302487	total: 1.89s remaining: 21.8s
80:	learn: 0.1296148	total: 1.93s remaining: 21.9s
81:	learn: 0.1288900	total: 1.95s remaining: 21.8s
82:	learn: 0.1281120	total: 1.99s remaining: 22s
83:	learn: 0.1273726	total: 2.03s remaining: 22.1s
84:	learn: 0.1267584	total: 2.04s remaining: 21.9s
85:	learn: 0.1261394	total: 2.06s remaining: 21.9s
86:	learn: 0.1256584	total: 2.09s remaining: 21.9s
87:	learn: 0.1249778	total: 2.12s remaining: 22s
88:	learn: 0.1243539	total: 2.17s remaining: 22.2s
89:	learn: 0.1239810	total: 2.18s remaining: 22.1s
90:	learn: 0.1233483	total: 2.21s remaining: 22.1s
91:	learn: 0.1227909	total: 2.21s remaining: 21.8s
92:	learn: 0.1223908	total: 2.22s remaining: 21.7s
93:	learn: 0.1218310	total: 2.27s remaining: 21.9s
94:	learn: 0.1213054	total: 2.3s remaining: 21.9s
95:	learn: 0.1207681	total: 2.33s remaining: 22s
96:	learn: 0.1202440	total: 2.36s remaining: 22s
97:	learn: 0.1196437	total: 2.42s remaining: 22.3s
98:	learn: 0.1191626	total: 2.43s remaining: 22.2s
99:	learn: 0.1186306	total: 2.45s remaining: 22.1s
100:	learn: 0.1181056	total: 2.54s remaining: 22.6s
101:	learn: 0.1175891	total: 2.56s remaining: 22.6s
102:	learn: 0.1171190	total: 2.61s remaining: 22.7s
103:	learn: 0.1167235	total: 2.63s remaining: 22.7s
104:	learn: 0.1162618	total: 2.64s remaining: 22.5s
105:	learn: 0.1158316	total: 2.75s remaining: 23.2s
106:	learn: 0.1153859	total: 2.79s remaining: 23.3s
107:	learn: 0.1149486	total: 2.82s remaining: 23.3s
108:	learn: 0.1144999	total: 2.85s remaining: 23.3s
109:	learn: 0.1140579	total: 2.87s remaining: 23.2s
110:	learn: 0.1136049	total: 2.88s remaining: 23.1s
111:	learn: 0.1132736	total: 2.92s remaining: 23.1s
112:	learn: 0.1128353	total: 2.94s remaining: 23.1s
113:	learn: 0.1124956	total: 2.94s remaining: 22.9s
114:	learn: 0.1120166	total: 2.96s remaining: 22.8s
115:	learn: 0.1117140	total: 3s remaining: 22.8s
116:	learn: 0.1115575	total: 3.1s remaining: 23.4s
117:	learn: 0.1111651	total: 3.1s remaining: 23.2s
118:	learn: 0.1109014	total: 3.13s remaining: 23.2s
119:	learn: 0.1105018	total: 3.14s remaining: 23s
120:	learn: 0.1100985	total: 3.19s remaining: 23.2s

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121: learn: 0.1098108      total: 3.19s  remaining: 23s
122: learn: 0.1094844      total: 3.25s  remaining: 23.2s
123: learn: 0.1091639      total: 3.29s  remaining: 23.2s
124: learn: 0.1087797      total: 3.35s  remaining: 23.4s
125: learn: 0.1083982      total: 3.36s  remaining: 23.3s
126: learn: 0.1081099      total: 3.39s  remaining: 23.3s
127: learn: 0.1078411      total: 3.4s    remaining: 23.2s
128: learn: 0.1075062      total: 3.54s  remaining: 23.9s
129: learn: 0.1071631      total: 3.62s  remaining: 24.2s
130: learn: 0.1069747      total: 3.65s  remaining: 24.2s
131: learn: 0.1066470      total: 3.68s  remaining: 24.2s
132: learn: 0.1062612      total: 3.72s  remaining: 24.2s
133: learn: 0.1059826      total: 3.75s  remaining: 24.2s
134: learn: 0.1056569      total: 3.78s  remaining: 24.2s
135: learn: 0.1053900      total: 3.8s   remaining: 24.1s
136: learn: 0.1052468      total: 3.87s  remaining: 24.4s
137: learn: 0.1050072      total: 3.88s  remaining: 24.2s
138: learn: 0.1045886      total: 3.91s  remaining: 24.2s
139: learn: 0.1043663      total: 3.97s  remaining: 24.4s
140: learn: 0.1041474      total: 3.99s  remaining: 24.3s
141: learn: 0.1038818      total: 4s     remaining: 24.2s
142: learn: 0.1035976      total: 4.03s  remaining: 24.1s
143: learn: 0.1032784      total: 4.08s  remaining: 24.3s
144: learn: 0.1030002      total: 4.11s  remaining: 24.2s
145: learn: 0.1027541      total: 4.14s  remaining: 24.2s
146: learn: 0.1025736      total: 4.16s  remaining: 24.1s
147: learn: 0.1023412      total: 4.19s  remaining: 24.1s
148: learn: 0.1021234      total: 4.24s  remaining: 24.2s
149: learn: 0.1019074      total: 4.27s  remaining: 24.2s
150: learn: 0.1017273      total: 4.29s  remaining: 24.1s
151: learn: 0.1014447      total: 4.3s   remaining: 24s
152: learn: 0.1012588      total: 4.31s  remaining: 23.8s
153: learn: 0.1009559      total: 4.35s  remaining: 23.9s
154: learn: 0.1006527      total: 4.37s  remaining: 23.8s
155: learn: 0.1004090      total: 4.4s   remaining: 23.8s
156: learn: 0.1000522      total: 4.43s  remaining: 23.8s
157: learn: 0.0997364      total: 4.45s  remaining: 23.7s
158: learn: 0.0994610      total: 4.46s  remaining: 23.6s
159: learn: 0.0991713      total: 4.47s  remaining: 23.4s
160: learn: 0.0989345      total: 4.54s  remaining: 23.6s
161: learn: 0.0986657      total: 4.61s  remaining: 23.9s
162: learn: 0.0984685      total: 4.69s  remaining: 24.1s
163: learn: 0.0982524      total: 4.7s   remaining: 23.9s
164: learn: 0.0981028      total: 4.74s  remaining: 24s
165: learn: 0.0978151      total: 4.75s  remaining: 23.8s
166: learn: 0.0976860      total: 4.79s  remaining: 23.9s
167: learn: 0.0974386      total: 4.84s  remaining: 24s
168: learn: 0.0973208      total: 4.9s   remaining: 24.1s
169: learn: 0.0970911      total: 4.92s  remaining: 24s
170: learn: 0.0968293      total: 4.95s  remaining: 24s
171: learn: 0.0967470      total: 5.02s  remaining: 24.2s
172: learn: 0.0966274      total: 5.02s  remaining: 24s
15:  learn: 0.2714574      total: 801ms  remaining: 49.3s
16:  learn: 0.2662706      total: 809ms  remaining: 46.8s
17:  learn: 0.2608111      total: 827ms  remaining: 45.1s
18:  learn: 0.2559155      total: 871ms  remaining: 45s
19:  learn: 0.2513364      total: 907ms  remaining: 44.5s
20:  learn: 0.2466151      total: 930ms  remaining: 43.4s
21:  learn: 0.2422875      total: 949ms  remaining: 42.2s
22:  learn: 0.2378500      total: 988ms  remaining: 42s
23:  learn: 0.2328864      total: 1s     remaining: 40.8s
24:  learn: 0.2288045      total: 1.02s  remaining: 40s
25:  learn: 0.2245861      total: 1.04s  remaining: 39.2s
26:  learn: 0.2203607      total: 1.05s  remaining: 38s

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27: learn: 0.2162233    total: 1.08s  remaining: 37.6s
28: learn: 0.2125950    total: 1.1s   remaining: 36.8s
29: learn: 0.2091499    total: 1.13s  remaining: 36.6s
30: learn: 0.2054828    total: 1.18s  remaining: 36.7s
31: learn: 0.2018378    total: 1.21s  remaining: 36.5s
32: learn: 0.1986251    total: 1.21s  remaining: 35.6s
33: learn: 0.1956603    total: 1.28s  remaining: 36.3s
34: learn: 0.1929191    total: 1.31s  remaining: 36.3s
35: learn: 0.1901031    total: 1.34s  remaining: 35.9s
36: learn: 0.1872012    total: 1.36s  remaining: 35.5s
37: learn: 0.1845707    total: 1.38s  remaining: 35s
38: learn: 0.1818016    total: 1.44s  remaining: 35.5s
39: learn: 0.1793619    total: 1.45s  remaining: 34.8s
40: learn: 0.1773444    total: 1.47s  remaining: 34.4s
41: learn: 0.1750971    total: 1.5s   remaining: 34.2s
42: learn: 0.1726851    total: 1.53s  remaining: 34.1s
43: learn: 0.1708213    total: 1.56s  remaining: 33.8s
44: learn: 0.1690859    total: 1.59s  remaining: 33.7s
45: learn: 0.1670885    total: 1.6s   remaining: 33.3s
46: learn: 0.1651728    total: 1.61s  remaining: 32.8s
47: learn: 0.1633636    total: 1.63s  remaining: 32.3s
48: learn: 0.1615107    total: 1.66s  remaining: 32.2s
49: learn: 0.1598195    total: 1.66s  remaining: 31.6s
50: learn: 0.1581760    total: 1.68s  remaining: 31.2s
51: learn: 0.1565730    total: 1.7s   remaining: 31s
52: learn: 0.1550136    total: 1.73s  remaining: 30.8s
53: learn: 0.1535535    total: 1.75s  remaining: 30.7s
54: learn: 0.1521519    total: 1.78s  remaining: 30.6s
55: learn: 0.1508570    total: 1.81s  remaining: 30.5s
56: learn: 0.1495157    total: 1.86s  remaining: 30.7s
57: learn: 0.1479888    total: 1.9s   remaining: 30.9s
58: learn: 0.1464962    total: 1.94s  remaining: 30.9s
59: learn: 0.1451238    total: 2s    remaining: 31.3s
60: learn: 0.1439030    total: 2.02s  remaining: 31s
61: learn: 0.1427170    total: 2.06s  remaining: 31.1s
62: learn: 0.1415306    total: 2.08s  remaining: 31s
63: learn: 0.1404485    total: 2.1s   remaining: 30.7s
64: learn: 0.1393991    total: 2.13s  remaining: 30.6s
65: learn: 0.1380826    total: 2.16s  remaining: 30.6s
66: learn: 0.1369868    total: 2.19s  remaining: 30.5s
67: learn: 0.1359912    total: 2.2s   remaining: 30.2s
68: learn: 0.1350624    total: 2.2s   remaining: 29.7s
69: learn: 0.1340987    total: 2.22s  remaining: 29.5s
70: learn: 0.1331051    total: 2.22s  remaining: 29.1s
71: learn: 0.1320520    total: 2.26s  remaining: 29.1s
72: learn: 0.1311270    total: 2.27s  remaining: 28.8s
73: learn: 0.1302165    total: 2.3s   remaining: 28.8s
74: learn: 0.1293827    total: 2.33s  remaining: 28.8s
75: learn: 0.1285732    total: 2.36s  remaining: 28.7s
76: learn: 0.1278796    total: 2.4s   remaining: 28.8s
77: learn: 0.1268857    total: 2.44s  remaining: 28.8s
78: learn: 0.1260859    total: 2.46s  remaining: 28.6s
79: learn: 0.1254372    total: 2.46s  remaining: 28.3s
80: learn: 0.1247362    total: 2.53s  remaining: 28.7s
81: learn: 0.1240216    total: 2.59s  remaining: 29s
82: learn: 0.1231950    total: 2.65s  remaining: 29.3s
83: learn: 0.1225578    total: 2.68s  remaining: 29.2s
84: learn: 0.1218454    total: 2.7s   remaining: 29.1s
85: learn: 0.1212017    total: 2.75s  remaining: 29.2s
86: learn: 0.1204470    total: 2.82s  remaining: 29.6s
87: learn: 0.1197862    total: 2.85s  remaining: 29.6s
88: learn: 0.1191346    total: 2.88s  remaining: 29.5s
89: learn: 0.1185151    total: 2.91s  remaining: 29.4s
90: learn: 0.1179565    total: 2.96s  remaining: 29.6s

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91: learn: 0.1175006    total: 3.01s  remaining: 29.7s
92: learn: 0.1169285    total: 3.05s  remaining: 29.7s
93: learn: 0.1164770    total: 3.06s  remaining: 29.4s
94: learn: 0.1158837    total: 3.12s  remaining: 29.8s
95: learn: 0.1154047    total: 3.17s  remaining: 29.8s
96: learn: 0.1148854    total: 3.21s  remaining: 29.9s
97: learn: 0.1144221    total: 3.32s  remaining: 30.6s
98: learn: 0.1138830    total: 3.36s  remaining: 30.6s
99: learn: 0.1132822    total: 3.41s  remaining: 30.7s
100: learn: 0.1127939   total: 3.45s  remaining: 30.7s
101: learn: 0.1124054   total: 3.51s  remaining: 30.9s
102: learn: 0.1120046   total: 3.58s  remaining: 31.2s
103: learn: 0.1115693   total: 3.6s   remaining: 31s
104: learn: 0.1110629   total: 3.62s  remaining: 30.9s
105: learn: 0.1105692   total: 3.66s  remaining: 30.9s
106: learn: 0.1100346   total: 3.69s  remaining: 30.8s
107: learn: 0.1096797   total: 3.75s  remaining: 30.9s
108: learn: 0.1092103   total: 3.77s  remaining: 30.8s
109: learn: 0.1088170   total: 3.8s   remaining: 30.7s
110: learn: 0.1084514   total: 3.81s  remaining: 30.5s
111: learn: 0.1080502   total: 3.86s  remaining: 30.6s
112: learn: 0.1076886   total: 3.95s  remaining: 31s
113: learn: 0.1073879   total: 3.97s  remaining: 30.9s
114: learn: 0.1070767   total: 4.02s  remaining: 31s
115: learn: 0.1067852   total: 4.04s  remaining: 30.8s
116: learn: 0.1064224   total: 4.09s  remaining: 30.9s
117: learn: 0.1060924   total: 4.09s  remaining: 30.6s
118: learn: 0.1057568   total: 4.13s  remaining: 30.6s
119: learn: 0.1055055   total: 4.2s   remaining: 30.8s
120: learn: 0.1052073   total: 4.21s  remaining: 30.6s
121: learn: 0.1049075   total: 4.26s  remaining: 30.7s
122: learn: 0.1045609   total: 4.28s  remaining: 30.5s
123: learn: 0.1041920   total: 4.28s  remaining: 30.3s
124: learn: 0.1038560   total: 4.3s   remaining: 30.1s
125: learn: 0.1035880   total: 4.32s  remaining: 29.9s
126: learn: 0.1033076   total: 4.32s  remaining: 29.7s
127: learn: 0.1030594   total: 4.33s  remaining: 29.5s
128: learn: 0.1028010   total: 4.37s  remaining: 29.5s
129: learn: 0.1025338   total: 4.42s  remaining: 29.6s
130: learn: 0.1021229   total: 4.42s  remaining: 29.3s
131: learn: 0.1016452   total: 4.44s  remaining: 29.2s
132: learn: 0.1014752   total: 4.46s  remaining: 29.1s
133: learn: 0.1012123   total: 4.47s  remaining: 28.9s
134: learn: 0.1008881   total: 4.5s   remaining: 28.8s
135: learn: 0.1006128   total: 4.5s   remaining: 28.6s
136: learn: 0.1003534   total: 4.52s  remaining: 28.4s
137: learn: 0.1001656   total: 4.54s  remaining: 28.3s
138: learn: 0.0999210   total: 4.55s  remaining: 28.2s
139: learn: 0.0997090   total: 4.6s   remaining: 28.3s
140: learn: 0.0994512   total: 4.62s  remaining: 28.1s
141: learn: 0.0991830   total: 4.64s  remaining: 28s
142: learn: 0.0989668   total: 4.66s  remaining: 27.9s
143: learn: 0.0986290   total: 4.72s  remaining: 28s
144: learn: 0.0983039   total: 4.75s  remaining: 28s
145: learn: 0.0980104   total: 4.8s   remaining: 28.1s
146: learn: 0.0978110   total: 4.84s  remaining: 28.1s
147: learn: 0.0976124   total: 4.86s  remaining: 28s
148: learn: 0.0973436   total: 4.9s   remaining: 28s
149: learn: 0.0970796   total: 4.93s  remaining: 27.9s
150: learn: 0.0968606   total: 4.96s  remaining: 27.9s
151: learn: 0.0965921   total: 5s    remaining: 27.9s
152: learn: 0.0962982   total: 5.06s  remaining: 28s
153: learn: 0.0960168   total: 5.09s  remaining: 28s
154: learn: 0.0957441   total: 5.1s   remaining: 27.8s

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155: learn: 0.0955774    total: 5.21s  remaining: 28.2s
156: learn: 0.0953072    total: 5.26s  remaining: 28.3s
157: learn: 0.0951177    total: 5.3s   remaining: 28.3s
158: learn: 0.0947628    total: 5.31s  remaining: 28.1s
159: learn: 0.0944937    total: 5.39s  remaining: 28.3s
160: learn: 0.0943052    total: 5.43s  remaining: 28.3s
161: learn: 0.0941755    total: 5.46s  remaining: 28.3s
162: learn: 0.0939606    total: 5.49s  remaining: 28.2s
163: learn: 0.0937417    total: 5.54s  remaining: 28.3s
164: learn: 0.0936021    total: 5.58s  remaining: 28.2s
165: learn: 0.0933397    total: 5.62s  remaining: 28.2s
166: learn: 0.0931544    total: 5.66s  remaining: 28.2s
167: learn: 0.0929555    total: 5.67s  remaining: 28.1s
168: learn: 0.0927318    total: 5.69s  remaining: 28s
169: learn: 0.0925356    total: 5.71s  remaining: 27.9s
170: learn: 0.0923265    total: 5.73s  remaining: 27.8s
171: learn: 0.0921394    total: 5.76s  remaining: 27.7s
172: learn: 0.0919491    total: 5.76s  remaining: 27.6s
173: learn: 0.0917453    total: 5.78s  remaining: 27.4s
174: learn: 0.0915802    total: 5.79s  remaining: 27.3s
955: learn: 0.0283498    total: 44.9s  remaining: 2.07s
956: learn: 0.0283276    total: 45s   remaining: 2.02s
957: learn: 0.0282952    total: 45s   remaining: 1.97s
958: learn: 0.0282714    total: 45s   remaining: 1.93s
959: learn: 0.0282252    total: 45.1s  remaining: 1.88s
960: learn: 0.0281970    total: 45.1s  remaining: 1.83s
961: learn: 0.0281692    total: 45.1s  remaining: 1.78s
962: learn: 0.0281259    total: 45.2s  remaining: 1.74s
963: learn: 0.0280890    total: 45.2s  remaining: 1.69s
964: learn: 0.0280272    total: 45.2s  remaining: 1.64s
965: learn: 0.0279941    total: 45.3s  remaining: 1.59s
966: learn: 0.0279480    total: 45.3s  remaining: 1.54s
967: learn: 0.0278951    total: 45.3s  remaining: 1.5s
968: learn: 0.0278366    total: 45.3s  remaining: 1.45s
969: learn: 0.0278104    total: 45.3s  remaining: 1.4s
970: learn: 0.0277903    total: 45.3s  remaining: 1.35s
971: learn: 0.0277279    total: 45.3s  remaining: 1.3s
972: learn: 0.0276723    total: 45.3s  remaining: 1.26s
973: learn: 0.0276395    total: 45.4s  remaining: 1.21s
974: learn: 0.0276104    total: 45.4s  remaining: 1.16s
975: learn: 0.0275769    total: 45.4s  remaining: 1.12s
976: learn: 0.0275335    total: 45.4s  remaining: 1.07s
977: learn: 0.0274954    total: 45.5s  remaining: 1.02s
978: learn: 0.0274321    total: 45.5s  remaining: 975ms
979: learn: 0.0273979    total: 45.5s  remaining: 929ms
980: learn: 0.0273480    total: 45.5s  remaining: 882ms
981: learn: 0.0273240    total: 45.6s  remaining: 835ms
982: learn: 0.0272807    total: 45.6s  remaining: 788ms
983: learn: 0.0272472    total: 45.6s  remaining: 741ms
984: learn: 0.0272153    total: 45.6s  remaining: 694ms
985: learn: 0.0271840    total: 45.6s  remaining: 647ms
986: learn: 0.0271502    total: 45.6s  remaining: 600ms
987: learn: 0.0271116    total: 45.6s  remaining: 554ms
988: learn: 0.0270767    total: 45.6s  remaining: 507ms
989: learn: 0.0270372    total: 45.6s  remaining: 461ms
990: learn: 0.0270068    total: 45.6s  remaining: 414ms
991: learn: 0.0269665    total: 45.6s  remaining: 368ms
992: learn: 0.0269225    total: 45.7s  remaining: 322ms
993: learn: 0.0269206    total: 45.7s  remaining: 276ms
994: learn: 0.0268890    total: 45.7s  remaining: 230ms
995: learn: 0.0268531    total: 45.7s  remaining: 184ms
996: learn: 0.0268249    total: 45.7s  remaining: 138ms
997: learn: 0.0268039    total: 45.8s  remaining: 91.7ms
998: learn: 0.0268024    total: 45.8s  remaining: 45.8ms

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999: learn: 0.0267828
Learning rate set to 0.040511
0: learn: 0.3939657
1: learn: 0.3844995
2: learn: 0.3749522
3: learn: 0.3658177
4: learn: 0.3562687
5: learn: 0.3475558
6: learn: 0.3387956
7: learn: 0.3305689
8: learn: 0.3230072
9: learn: 0.3152337
10: learn: 0.3086949
11: learn: 0.3027537
12: learn: 0.2955024
13: learn: 0.2884991
14: learn: 0.2819549
15: learn: 0.2759550
16: learn: 0.2696575
17: learn: 0.2645443
18: learn: 0.2592734
19: learn: 0.2543446
20: learn: 0.2493308
21: learn: 0.2443621
22: learn: 0.2397323
23: learn: 0.2355802
24: learn: 0.2319665
25: learn: 0.2275831
26: learn: 0.2236429
27: learn: 0.2197806
28: learn: 0.2160923
29: learn: 0.2127721
30: learn: 0.2092544
31: learn: 0.2062464
32: learn: 0.2032412
33: learn: 0.2002347
34: learn: 0.1974543
35: learn: 0.1942078
36: learn: 0.1914719
37: learn: 0.1888742
38: learn: 0.1864967
39: learn: 0.1843397
40: learn: 0.1819139
41: learn: 0.1796580
42: learn: 0.1772747
43: learn: 0.1752216
44: learn: 0.1732278
45: learn: 0.1711053
46: learn: 0.1689748
47: learn: 0.1671616
48: learn: 0.1651422
49: learn: 0.1634221
50: learn: 0.1618319
51: learn: 0.1603213
52: learn: 0.1588708
53: learn: 0.1574383
54: learn: 0.1559849
55: learn: 0.1544662
56: learn: 0.1532847
57: learn: 0.1518039
58: learn: 0.1505951
59: learn: 0.1493833
60: learn: 0.1480287
61: learn: 0.1469249

total: 45.8s    remaining: 0us
total: 184ms   remaining: 3m 4s
total: 221ms   remaining: 1m 50s
total: 256ms   remaining: 1m 25s
total: 307ms   remaining: 1m 16s
total: 332ms   remaining: 1m 5s
total: 353ms   remaining: 58.5s
total: 376ms   remaining: 53.4s
total: 477ms   remaining: 59.1s
total: 560ms   remaining: 1m 1s
total: 573ms   remaining: 56.7s
total: 606ms   remaining: 54.5s
total: 618ms   remaining: 50.9s
total: 672ms   remaining: 51s
total: 806ms   remaining: 56.7s
total: 812ms   remaining: 53.3s
total: 820ms   remaining: 50.4s
total: 910ms   remaining: 52.6s
total: 962ms   remaining: 52.5s
total: 1.03s   remaining: 53.2s
total: 1.04s   remaining: 51s
total: 1.09s   remaining: 51s
total: 1.1s    remaining: 48.9s
total: 1.14s   remaining: 48.5s
total: 1.22s   remaining: 49.5s
total: 1.22s   remaining: 47.6s
total: 1.24s   remaining: 46.3s
total: 1.26s   remaining: 45.6s
total: 1.29s   remaining: 44.8s
total: 1.31s   remaining: 43.7s
total: 1.34s   remaining: 43.3s
total: 1.35s   remaining: 42.3s
total: 1.42s   remaining: 42.9s
total: 1.46s   remaining: 42.8s
total: 1.49s   remaining: 42.3s
total: 1.5s    remaining: 41.5s
total: 1.52s   remaining: 40.6s
total: 1.53s   remaining: 39.8s
total: 1.53s   remaining: 38.7s
total: 1.58s   remaining: 38.9s
total: 1.59s   remaining: 38.1s
total: 1.63s   remaining: 38.2s
total: 1.67s   remaining: 38.1s
total: 1.68s   remaining: 37.4s
total: 1.71s   remaining: 37.2s
total: 1.74s   remaining: 36.9s
total: 1.77s   remaining: 36.6s
total: 1.78s   remaining: 36s
total: 1.81s   remaining: 36s
total: 1.86s   remaining: 36.2s
total: 1.9s    remaining: 36.2s
total: 1.91s   remaining: 35.6s
total: 1.95s   remaining: 35.5s
total: 1.99s   remaining: 35.6s
total: 2.04s   remaining: 35.8s
total: 2.11s   remaining: 36.3s
total: 2.13s   remaining: 35.9s
total: 2.17s   remaining: 36s
total: 2.2s    remaining: 35.8s
total: 2.21s   remaining: 35.3s
total: 2.26s   remaining: 35.4s
total: 2.28s   remaining: 35.1s
total: 2.35s   remaining: 35.6s

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62: learn: 0.1456298    total: 2.38s  remaining: 35.5s
63: learn: 0.1445762    total: 2.46s  remaining: 35.9s
64: learn: 0.1434029    total: 2.47s  remaining: 35.5s
65: learn: 0.1423100    total: 2.5s   remaining: 35.4s
66: learn: 0.1413054    total: 2.52s  remaining: 35s
67: learn: 0.1405300    total: 2.58s  remaining: 35.4s
68: learn: 0.1395870    total: 2.59s  remaining: 35s
69: learn: 0.1387833    total: 2.63s  remaining: 34.9s
70: learn: 0.1377598    total: 2.69s  remaining: 35.2s
71: learn: 0.1369030    total: 2.71s  remaining: 34.9s
72: learn: 0.1360069    total: 2.77s  remaining: 35.1s
73: learn: 0.1352394    total: 2.85s  remaining: 35.7s
74: learn: 0.1342740    total: 2.88s  remaining: 35.5s
75: learn: 0.1334233    total: 2.95s  remaining: 35.9s
76: learn: 0.1326438    total: 2.99s  remaining: 35.8s
77: learn: 0.1320342    total: 2.99s  remaining: 35.4s
78: learn: 0.1313365    total: 3s     remaining: 35s
79: learn: 0.1306001    total: 3.08s  remaining: 35.5s
80: learn: 0.1299477    total: 3.11s  remaining: 35.3s
81: learn: 0.1292938    total: 3.14s  remaining: 35.2s
82: learn: 0.1285595    total: 3.15s  remaining: 34.8s
83: learn: 0.1280201    total: 3.15s  remaining: 34.4s
84: learn: 0.1275051    total: 3.18s  remaining: 34.2s
85: learn: 0.1269383    total: 3.18s  remaining: 33.8s
86: learn: 0.1263655    total: 3.19s  remaining: 33.5s
87: learn: 0.1257822    total: 3.2s   remaining: 33.1s
88: learn: 0.1252702    total: 3.21s  remaining: 32.9s
89: learn: 0.1247678    total: 3.22s  remaining: 32.6s
90: learn: 0.1242714    total: 3.23s  remaining: 32.2s
91: learn: 0.1238483    total: 3.23s  remaining: 31.9s
92: learn: 0.1234851    total: 3.24s  remaining: 31.6s
93: learn: 0.1229623    total: 3.28s  remaining: 31.6s
94: learn: 0.1224404    total: 3.33s  remaining: 31.7s
95: learn: 0.1220907    total: 3.37s  remaining: 31.7s
96: learn: 0.1216372    total: 3.43s  remaining: 31.9s
97: learn: 0.1211253    total: 3.49s  remaining: 32.1s
98: learn: 0.1207270    total: 3.53s  remaining: 32.1s
99: learn: 0.1202380    total: 3.58s  remaining: 32.2s
100: learn: 0.1198922   total: 3.59s  remaining: 31.9s
101: learn: 0.1194841   total: 3.64s  remaining: 32.1s
102: learn: 0.1189710   total: 3.72s  remaining: 32.4s
103: learn: 0.1185154   total: 3.75s  remaining: 32.3s
104: learn: 0.1180806   total: 3.79s  remaining: 32.3s
105: learn: 0.1177449   total: 3.84s  remaining: 32.4s
106: learn: 0.1173989   total: 3.87s  remaining: 32.3s
107: learn: 0.1168813   total: 3.89s  remaining: 32.1s
108: learn: 0.1165034   total: 3.91s  remaining: 32s
109: learn: 0.1161201   total: 3.92s  remaining: 31.7s
110: learn: 0.1157422   total: 3.95s  remaining: 31.7s
111: learn: 0.1154438   total: 4.06s  remaining: 32.2s
112: learn: 0.1152207   total: 4.07s  remaining: 31.9s
113: learn: 0.1149812   total: 4.12s  remaining: 32s
10: learn: 0.3096226    total: 634ms  remaining: 57s
11: learn: 0.3024060    total: 689ms  remaining: 56.8s
12: learn: 0.2954266    total: 705ms  remaining: 53.5s
13: learn: 0.2891686    total: 783ms  remaining: 55.2s
14: learn: 0.2828492    total: 910ms  remaining: 59.8s
15: learn: 0.2769793    total: 985ms  remaining: 1m
16: learn: 0.2714962    total: 1.01s  remaining: 58.4s
17: learn: 0.2658725    total: 1.04s  remaining: 56.7s
18: learn: 0.2605683    total: 1.09s  remaining: 56.2s
19: learn: 0.2552089    total: 1.13s  remaining: 55.1s
20: learn: 0.2502249    total: 1.13s  remaining: 52.8s
21: learn: 0.2454514    total: 1.15s  remaining: 51s

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22: learn: 0.2408874    total: 1.17s  remaining: 49.5s
23: learn: 0.2366921    total: 1.19s  remaining: 48.2s
24: learn: 0.2324846    total: 1.23s  remaining: 47.9s
25: learn: 0.2285386    total: 1.28s  remaining: 48.1s
26: learn: 0.2248213    total: 1.35s  remaining: 48.9s
27: learn: 0.2208658    total: 1.39s  remaining: 48.2s
28: learn: 0.2172739    total: 1.42s  remaining: 47.4s
29: learn: 0.2134032    total: 1.44s  remaining: 46.6s
30: learn: 0.2094299    total: 1.47s  remaining: 46s
31: learn: 0.2064132    total: 1.48s  remaining: 44.9s
32: learn: 0.2034734    total: 1.53s  remaining: 44.8s
33: learn: 0.2001744    total: 1.6s   remaining: 45.5s
34: learn: 0.1972152    total: 1.68s  remaining: 46.4s
35: learn: 0.1942581    total: 1.71s  remaining: 45.8s
36: learn: 0.1915831    total: 1.73s  remaining: 45s
37: learn: 0.1890689    total: 1.73s  remaining: 43.8s
38: learn: 0.1867098    total: 1.78s  remaining: 43.8s
39: learn: 0.1843624    total: 1.82s  remaining: 43.7s
40: learn: 0.1824433    total: 1.85s  remaining: 43.2s
41: learn: 0.1802587    total: 1.91s  remaining: 43.6s
42: learn: 0.1780865    total: 1.96s  remaining: 43.5s
43: learn: 0.1756664    total: 2.02s  remaining: 43.8s
44: learn: 0.1737549    total: 2.06s  remaining: 43.6s
45: learn: 0.1717764    total: 2.11s  remaining: 43.7s
46: learn: 0.1700972    total: 2.14s  remaining: 43.4s
47: learn: 0.1682034    total: 2.17s  remaining: 43.1s
48: learn: 0.1664900    total: 2.18s  remaining: 42.3s
49: learn: 0.1646436    total: 2.19s  remaining: 41.6s
50: learn: 0.1631513    total: 2.19s  remaining: 40.8s
51: learn: 0.1614553    total: 2.21s  remaining: 40.4s
52: learn: 0.1600958    total: 2.23s  remaining: 39.9s
53: learn: 0.1586506    total: 2.29s  remaining: 40.1s
54: learn: 0.1573736    total: 2.31s  remaining: 39.6s
55: learn: 0.1560832    total: 2.37s  remaining: 39.9s
56: learn: 0.1548279    total: 2.4s   remaining: 39.7s
57: learn: 0.1535414    total: 2.44s  remaining: 39.7s
58: learn: 0.1522460    total: 2.48s  remaining: 39.5s
59: learn: 0.1510112    total: 2.48s  remaining: 38.9s
60: learn: 0.1496076    total: 2.52s  remaining: 38.7s
61: learn: 0.1484871    total: 2.54s  remaining: 38.5s
62: learn: 0.1474821    total: 2.59s  remaining: 38.5s
63: learn: 0.1462598    total: 2.6s   remaining: 38.1s
64: learn: 0.1452064    total: 2.61s  remaining: 37.5s
65: learn: 0.1443133    total: 2.64s  remaining: 37.4s
66: learn: 0.1432563    total: 2.68s  remaining: 37.3s
67: learn: 0.1421943    total: 2.69s  remaining: 36.8s
68: learn: 0.1411803    total: 2.69s  remaining: 36.3s
69: learn: 0.1404342    total: 2.72s  remaining: 36.2s
70: learn: 0.1395809    total: 2.78s  remaining: 36.4s
71: learn: 0.1385667    total: 2.83s  remaining: 36.5s
72: learn: 0.1379172    total: 2.85s  remaining: 36.3s
73: learn: 0.1371597    total: 2.89s  remaining: 36.2s
74: learn: 0.1364012    total: 2.92s  remaining: 36s
75: learn: 0.1354404    total: 2.95s  remaining: 35.8s
76: learn: 0.1347903    total: 3.01s  remaining: 36.1s
77: learn: 0.1341210    total: 3.03s  remaining: 35.9s
78: learn: 0.1334641    total: 3.07s  remaining: 35.8s
79: learn: 0.1328771    total: 3.08s  remaining: 35.5s
80: learn: 0.1321374    total: 3.14s  remaining: 35.6s
81: learn: 0.1314166    total: 3.17s  remaining: 35.5s
82: learn: 0.1306643    total: 3.21s  remaining: 35.5s
83: learn: 0.1301923    total: 3.25s  remaining: 35.4s
84: learn: 0.1295605    total: 3.27s  remaining: 35.3s
85: learn: 0.1288735    total: 3.29s  remaining: 35s

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86: learn: 0.1282414      total: 3.31s  remaining: 34.8s
87: learn: 0.1277020      total: 3.33s  remaining: 34.5s
88: learn: 0.1271425      total: 3.37s  remaining: 34.5s
89: learn: 0.1265263      total: 3.41s  remaining: 34.5s
90: learn: 0.1259297      total: 3.46s  remaining: 34.5s
91: learn: 0.1255167      total: 3.48s  remaining: 34.4s
92: learn: 0.1249431      total: 3.52s  remaining: 34.3s
93: learn: 0.1245142      total: 3.56s  remaining: 34.3s
94: learn: 0.1240474      total: 3.61s  remaining: 34.4s
95: learn: 0.1236248      total: 3.63s  remaining: 34.2s
96: learn: 0.1231360      total: 3.68s  remaining: 34.2s
97: learn: 0.1226695      total: 3.7s   remaining: 34s
98: learn: 0.1222868      total: 3.74s  remaining: 34.1s
99: learn: 0.1217116      total: 3.75s  remaining: 33.7s
100: learn: 0.1213650     total: 3.79s  remaining: 33.7s
101: learn: 0.1208262     total: 3.81s  remaining: 33.5s
102: learn: 0.1203542     total: 3.84s  remaining: 33.4s
103: learn: 0.1198153     total: 3.86s  remaining: 33.3s
104: learn: 0.1194578     total: 3.87s  remaining: 33s
105: learn: 0.1189864     total: 3.91s  remaining: 33s
106: learn: 0.1185354     total: 3.92s  remaining: 32.7s
107: learn: 0.1181629     total: 3.93s  remaining: 32.4s
108: learn: 0.1177993     total: 3.96s  remaining: 32.4s
109: learn: 0.1173391     total: 4.01s  remaining: 32.5s
110: learn: 0.1169188     total: 4.02s  remaining: 32.2s
111: learn: 0.1166710     total: 4.05s  remaining: 32.1s
112: learn: 0.1164155     total: 4.05s  remaining: 31.8s
113: learn: 0.1160249     total: 4.1s   remaining: 31.9s
114: learn: 0.1155274     total: 4.15s  remaining: 31.9s
115: learn: 0.1153466     total: 4.17s  remaining: 31.8s
116: learn: 0.1150202     total: 4.2s   remaining: 31.7s
117: learn: 0.1146604     total: 4.23s  remaining: 31.7s
118: learn: 0.1144050     total: 4.25s  remaining: 31.5s
119: learn: 0.1140298     total: 4.27s  remaining: 31.3s
120: learn: 0.1136491     total: 4.3s   remaining: 31.2s
121: learn: 0.1133910     total: 4.38s  remaining: 31.5s
122: learn: 0.1131408     total: 4.42s  remaining: 31.5s
123: learn: 0.1127253     total: 4.46s  remaining: 31.5s
124: learn: 0.1124181     total: 4.49s  remaining: 31.4s
125: learn: 0.1120436     total: 4.54s  remaining: 31.5s
126: learn: 0.1117668     total: 4.57s  remaining: 31.4s
127: learn: 0.1115208     total: 4.61s  remaining: 31.4s
128: learn: 0.1112626     total: 4.71s  remaining: 31.8s
129: learn: 0.1109319     total: 4.75s  remaining: 31.8s
130: learn: 0.1107129     total: 4.76s  remaining: 31.6s
131: learn: 0.1103857     total: 4.79s  remaining: 31.5s
132: learn: 0.1102417     total: 4.81s  remaining: 31.3s
133: learn: 0.1099883     total: 4.81s  remaining: 31.1s
134: learn: 0.1096981     total: 4.84s  remaining: 31s
135: learn: 0.1095587     total: 4.86s  remaining: 30.9s
136: learn: 0.1092704     total: 4.89s  remaining: 30.8s
137: learn: 0.1089736     total: 4.92s  remaining: 30.8s
138: learn: 0.1085954     total: 4.95s  remaining: 30.7s
139: learn: 0.1083783     total: 5.05s  remaining: 31s
140: learn: 0.1079907     total: 5.12s  remaining: 31.2s
141: learn: 0.1077208     total: 5.16s  remaining: 31.2s
142: learn: 0.1074714     total: 5.22s  remaining: 31.3s
143: learn: 0.1072755     total: 5.24s  remaining: 31.1s
144: learn: 0.1070925     total: 5.27s  remaining: 31.1s
145: learn: 0.1068071     total: 5.29s  remaining: 30.9s
146: learn: 0.1066186     total: 5.32s  remaining: 30.9s
147: learn: 0.1064165     total: 5.38s  remaining: 31s
148: learn: 0.1062035     total: 5.46s  remaining: 31.2s
149: learn: 0.1059958     total: 5.52s  remaining: 31.3s

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150:	learn: 0.1057290	total: 5.55s	remaining: 31.2s
151:	learn: 0.1054840	total: 5.56s	remaining: 31s
152:	learn: 0.1052758	total: 5.6s	remaining: 31s
153:	learn: 0.1049745	total: 5.63s	remaining: 30.9s
154:	learn: 0.1047690	total: 5.69s	remaining: 31s
155:	learn: 0.1044880	total: 5.73s	remaining: 31s
156:	learn: 0.1042878	total: 5.75s	remaining: 30.8s
157:	learn: 0.1039921	total: 5.76s	remaining: 30.7s
158:	learn: 0.1037935	total: 5.83s	remaining: 30.8s
159:	learn: 0.1036415	total: 5.88s	remaining: 30.9s
160:	learn: 0.1035702	total: 5.91s	remaining: 30.8s
161:	learn: 0.1033212	total: 5.96s	remaining: 30.8s
162:	learn: 0.1030339	total: 5.99s	remaining: 30.8s
163:	learn: 0.1029714	total: 6s	remaining: 30.6s
164:	learn: 0.1026896	total: 6.02s	remaining: 30.5s
165:	learn: 0.1023656	total: 6.03s	remaining: 30.3s
166:	learn: 0.1020734	total: 6.06s	remaining: 30.2s
167:	learn: 0.1019189	total: 6.1s	remaining: 30.2s
168:	learn: 0.1016412	total: 6.2s	remaining: 30.5s
169:	learn: 0.1015398	total: 6.25s	remaining: 30.5s
12:	learn: 0.2986512	total: 1.03s	remaining: 1m 18s
13:	learn: 0.2919077	total: 1.08s	remaining: 1m 15s
14:	learn: 0.2857305	total: 1.16s	remaining: 1m 15s
15:	learn: 0.2803181	total: 1.2s	remaining: 1m 13s
16:	learn: 0.2747603	total: 1.27s	remaining: 1m 13s
17:	learn: 0.2695817	total: 1.3s	remaining: 1m 10s
18:	learn: 0.2644835	total: 1.33s	remaining: 1m 8s
19:	learn: 0.2591550	total: 1.34s	remaining: 1m 5s
20:	learn: 0.2542209	total: 1.34s	remaining: 1m 2s
21:	learn: 0.2493051	total: 1.36s	remaining: 1m
22:	learn: 0.2445368	total: 1.38s	remaining: 58.5s
23:	learn: 0.2399578	total: 1.39s	remaining: 56.6s
24:	learn: 0.2358229	total: 1.42s	remaining: 55.4s
25:	learn: 0.2312433	total: 1.47s	remaining: 55.1s
26:	learn: 0.2270728	total: 1.49s	remaining: 53.6s
27:	learn: 0.2233209	total: 1.51s	remaining: 52.4s
28:	learn: 0.2193676	total: 1.56s	remaining: 52.3s
29:	learn: 0.2154161	total: 1.63s	remaining: 52.6s
30:	learn: 0.2121299	total: 1.64s	remaining: 51.3s
31:	learn: 0.2089011	total: 1.65s	remaining: 50s
32:	learn: 0.2056332	total: 1.69s	remaining: 49.6s
33:	learn: 0.2022989	total: 1.72s	remaining: 49s
34:	learn: 0.1992712	total: 1.73s	remaining: 47.8s
35:	learn: 0.1965574	total: 1.76s	remaining: 47.2s
36:	learn: 0.1938080	total: 1.79s	remaining: 46.7s
37:	learn: 0.1910012	total: 1.8s	remaining: 45.5s
38:	learn: 0.1886463	total: 1.81s	remaining: 44.7s
39:	learn: 0.1862801	total: 1.83s	remaining: 44s
40:	learn: 0.1840351	total: 1.84s	remaining: 43.2s
41:	learn: 0.1818281	total: 1.85s	remaining: 42.3s
42:	learn: 0.1794990	total: 1.93s	remaining: 42.9s
43:	learn: 0.1776288	total: 1.96s	remaining: 42.5s
44:	learn: 0.1755049	total: 1.97s	remaining: 41.9s
45:	learn: 0.1736394	total: 2s	remaining: 41.4s
46:	learn: 0.1716580	total: 2.01s	remaining: 40.7s
47:	learn: 0.1698860	total: 2.04s	remaining: 40.5s
48:	learn: 0.1681173	total: 2.07s	remaining: 40.2s
49:	learn: 0.1662507	total: 2.1s	remaining: 39.8s
50:	learn: 0.1644052	total: 2.12s	remaining: 39.5s
51:	learn: 0.1629036	total: 2.14s	remaining: 39s
52:	learn: 0.1612772	total: 2.17s	remaining: 38.7s
53:	learn: 0.1598929	total: 2.2s	remaining: 38.6s
54:	learn: 0.1584257	total: 2.26s	remaining: 38.8s
55:	learn: 0.1568773	total: 2.29s	remaining: 38.6s

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56: learn: 0.1555534    total: 2.32s  remaining: 38.3s
57: learn: 0.1542590    total: 2.38s  remaining: 38.7s
58: learn: 0.1528614    total: 2.4s   remaining: 38.3s
59: learn: 0.1518271    total: 2.42s  remaining: 37.9s
60: learn: 0.1506483    total: 2.43s  remaining: 37.4s
61: learn: 0.1495835    total: 2.46s  remaining: 37.2s
62: learn: 0.1483591    total: 2.47s  remaining: 36.7s
63: learn: 0.1471249    total: 2.52s  remaining: 36.9s
64: learn: 0.1459434    total: 2.54s  remaining: 36.6s
65: learn: 0.1449288    total: 2.56s  remaining: 36.2s
66: learn: 0.1439396    total: 2.58s  remaining: 35.9s
67: learn: 0.1429642    total: 2.61s  remaining: 35.7s
68: learn: 0.1419563    total: 2.63s  remaining: 35.6s
69: learn: 0.1410499    total: 2.67s  remaining: 35.5s
70: learn: 0.1401371    total: 2.7s   remaining: 35.4s
71: learn: 0.1392625    total: 2.71s  remaining: 35s
72: learn: 0.1383746    total: 2.77s  remaining: 35.2s
73: learn: 0.1376210    total: 2.8s   remaining: 35s
74: learn: 0.1369547    total: 2.83s  remaining: 35s
75: learn: 0.1360738    total: 2.88s  remaining: 35s
76: learn: 0.1354140    total: 2.92s  remaining: 35s
77: learn: 0.1347117    total: 2.96s  remaining: 35s
78: learn: 0.1339152    total: 2.98s  remaining: 34.7s
79: learn: 0.1331215    total: 3s    remaining: 34.6s
80: learn: 0.1325284    total: 3.02s  remaining: 34.2s
81: learn: 0.1316778    total: 3.03s  remaining: 34s
82: learn: 0.1309011    total: 3.04s  remaining: 33.6s
83: learn: 0.1303304    total: 3.07s  remaining: 33.4s
84: learn: 0.1297804    total: 3.09s  remaining: 33.3s
85: learn: 0.1291334    total: 3.12s  remaining: 33.1s
86: learn: 0.1283317    total: 3.12s  remaining: 32.8s
87: learn: 0.1276965    total: 3.13s  remaining: 32.4s
88: learn: 0.1269808    total: 3.14s  remaining: 32.2s
89: learn: 0.1264185    total: 3.16s  remaining: 31.9s
90: learn: 0.1258108    total: 3.17s  remaining: 31.7s
91: learn: 0.1251899    total: 3.23s  remaining: 31.9s
92: learn: 0.1246505    total: 3.25s  remaining: 31.7s
93: learn: 0.1240286    total: 3.26s  remaining: 31.4s
94: learn: 0.1232938    total: 3.3s   remaining: 31.5s
95: learn: 0.1227624    total: 3.33s  remaining: 31.4s
96: learn: 0.1221359    total: 3.35s  remaining: 31.2s
97: learn: 0.1217817    total: 3.39s  remaining: 31.2s
98: learn: 0.1213008    total: 3.44s  remaining: 31.3s
99: learn: 0.1208521    total: 3.47s  remaining: 31.2s
100: learn: 0.1203668   total: 3.5s   remaining: 31.2s
101: learn: 0.1198517   total: 3.58s  remaining: 31.5s
102: learn: 0.1192347   total: 3.65s  remaining: 31.8s
103: learn: 0.1186439   total: 3.7s   remaining: 31.8s
104: learn: 0.1182097   total: 3.72s  remaining: 31.7s
105: learn: 0.1177720   total: 3.75s  remaining: 31.6s
106: learn: 0.1173918   total: 3.76s  remaining: 31.4s
107: learn: 0.1170894   total: 3.79s  remaining: 31.3s
108: learn: 0.1166785   total: 3.84s  remaining: 31.4s
109: learn: 0.1160920   total: 3.9s   remaining: 31.6s
110: learn: 0.1156439   total: 3.98s  remaining: 31.9s
111: learn: 0.1150450   total: 4s    remaining: 31.7s
112: learn: 0.1147391   total: 4.02s  remaining: 31.5s
113: learn: 0.1142374   total: 4.03s  remaining: 31.3s
114: learn: 0.1139169   total: 4.05s  remaining: 31.2s
115: learn: 0.1135006   total: 4.06s  remaining: 30.9s
116: learn: 0.1132861   total: 4.09s  remaining: 30.8s
117: learn: 0.1129788   total: 4.12s  remaining: 30.8s
118: learn: 0.1126729   total: 4.16s  remaining: 30.8s
119: learn: 0.1123258   total: 4.19s  remaining: 30.7s

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120: learn: 0.1119376      total: 4.23s  remaining: 30.7s
121: learn: 0.1115835      total: 4.28s  remaining: 30.8s
122: learn: 0.1114400      total: 4.33s  remaining: 30.9s
123: learn: 0.1109706      total: 4.35s  remaining: 30.7s
124: learn: 0.1104209      total: 4.41s  remaining: 30.9s
125: learn: 0.1100282      total: 4.44s  remaining: 30.8s
126: learn: 0.1096415      total: 4.49s  remaining: 30.9s
127: learn: 0.1093296      total: 4.55s  remaining: 31s
128: learn: 0.1089732      total: 4.6s   remaining: 31s
129: learn: 0.1086280      total: 4.66s  remaining: 31.2s
130: learn: 0.1083827      total: 4.69s  remaining: 31.1s
131: learn: 0.1081654      total: 4.75s  remaining: 31.3s
132: learn: 0.1079114      total: 4.83s  remaining: 31.5s
133: learn: 0.1077944      total: 4.86s  remaining: 31.4s
134: learn: 0.1074774      total: 4.91s  remaining: 31.5s
135: learn: 0.1072129      total: 4.95s  remaining: 31.4s
136: learn: 0.1067949      total: 5s    remaining: 31.5s
137: learn: 0.1065184      total: 5.02s  remaining: 31.3s
138: learn: 0.1062584      total: 5.08s  remaining: 31.5s
139: learn: 0.1060029      total: 5.16s  remaining: 31.7s
140: learn: 0.1055603      total: 5.18s  remaining: 31.6s
141: learn: 0.1054159      total: 5.2s   remaining: 31.4s
142: learn: 0.1050918      total: 5.21s  remaining: 31.2s
143: learn: 0.1047971      total: 5.24s  remaining: 31.1s
144: learn: 0.1044673      total: 5.26s  remaining: 31s
145: learn: 0.1043597      total: 5.29s  remaining: 30.9s
146: learn: 0.1040395      total: 5.31s  remaining: 30.8s
147: learn: 0.1037557      total: 5.34s  remaining: 30.8s
148: learn: 0.1035190      total: 5.37s  remaining: 30.7s
149: learn: 0.1033921      total: 5.4s   remaining: 30.6s
150: learn: 0.1029784      total: 5.45s  remaining: 30.6s
151: learn: 0.1026730      total: 5.52s  remaining: 30.8s
152: learn: 0.1023965      total: 5.54s  remaining: 30.7s
153: learn: 0.1021141      total: 5.58s  remaining: 30.6s
154: learn: 0.1018603      total: 5.62s  remaining: 30.7s
155: learn: 0.1015436      total: 5.64s  remaining: 30.5s
156: learn: 0.1012839      total: 5.69s  remaining: 30.6s
157: learn: 0.1011107      total: 5.76s  remaining: 30.7s
158: learn: 0.1009274      total: 5.78s  remaining: 30.6s
159: learn: 0.1007659      total: 5.8s   remaining: 30.4s
160: learn: 0.1006494      total: 5.88s  remaining: 30.7s
161: learn: 0.1003992      total: 5.93s  remaining: 30.7s
162: learn: 0.1003213      total: 5.95s  remaining: 30.6s
163: learn: 0.0999751      total: 5.97s  remaining: 30.4s
164: learn: 0.0998528      total: 6s    remaining: 30.3s
165: learn: 0.0996102      total: 6.01s  remaining: 30.2s
166: learn: 0.0993331      total: 6.05s  remaining: 30.2s
167: learn: 0.0990433      total: 6.07s  remaining: 30.1s
168: learn: 0.0988558      total: 6.14s  remaining: 30.2s
169: learn: 0.0986606      total: 6.17s  remaining: 30.1s
170: learn: 0.0984883      total: 6.21s  remaining: 30.1s
171: learn: 0.0983733      total: 6.24s  remaining: 30s
172: learn: 0.0964695      total: 5.07s  remaining: 24.1s
173: learn: 0.0962567      total: 5.11s  remaining: 24.1s
174: learn: 0.0960480      total: 5.16s  remaining: 24.2s
175: learn: 0.0958141      total: 5.2s   remaining: 24.2s
176: learn: 0.0955728      total: 5.26s  remaining: 24.3s
177: learn: 0.0954708      total: 5.27s  remaining: 24.2s
178: learn: 0.0952308      total: 5.29s  remaining: 24.1s
179: learn: 0.0951148      total: 5.34s  remaining: 24.2s
180: learn: 0.0948579      total: 5.38s  remaining: 24.2s
181: learn: 0.0946584      total: 5.41s  remaining: 24.2s
182: learn: 0.0944751      total: 5.45s  remaining: 24.2s
183: learn: 0.0943409      total: 5.48s  remaining: 24.1s

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185: learn: 0.0941616    total: 5.52s  remaining: 24.1s
186: learn: 0.0939531    total: 5.56s  remaining: 24.2s
187: learn: 0.0937114    total: 5.57s  remaining: 24.1s
188: learn: 0.0935107    total: 5.61s  remaining: 24.1s
189: learn: 0.0933263    total: 5.64s  remaining: 24.1s
190: learn: 0.0930928    total: 5.69s  remaining: 24.1s
191: learn: 0.0930214    total: 5.71s  remaining: 24s
192: learn: 0.0928718    total: 5.71s  remaining: 23.9s
193: learn: 0.0926276    total: 5.73s  remaining: 23.8s
194: learn: 0.0924729    total: 5.76s  remaining: 23.8s
195: learn: 0.0922109    total: 5.79s  remaining: 23.8s
196: learn: 0.0919895    total: 5.82s  remaining: 23.7s
197: learn: 0.0919080    total: 5.83s  remaining: 23.6s
198: learn: 0.0916723    total: 5.87s  remaining: 23.6s
199: learn: 0.0915738    total: 5.87s  remaining: 23.5s
200: learn: 0.0913879    total: 5.92s  remaining: 23.5s
201: learn: 0.0912474    total: 5.97s  remaining: 23.6s
202: learn: 0.0911017    total: 5.99s  remaining: 23.5s
203: learn: 0.0909554    total: 6.05s  remaining: 23.6s
204: learn: 0.0907710    total: 6.07s  remaining: 23.5s
205: learn: 0.0906235    total: 6.12s  remaining: 23.6s
206: learn: 0.0905545    total: 6.13s  remaining: 23.5s
207: learn: 0.0904097    total: 6.16s  remaining: 23.4s
208: learn: 0.0901938    total: 6.18s  remaining: 23.4s
209: learn: 0.0899519    total: 6.24s  remaining: 23.5s
210: learn: 0.0898988    total: 6.28s  remaining: 23.5s
211: learn: 0.0898600    total: 6.34s  remaining: 23.6s
212: learn: 0.0896648    total: 6.35s  remaining: 23.5s
213: learn: 0.0894529    total: 6.4s   remaining: 23.5s
214: learn: 0.0892688    total: 6.45s  remaining: 23.5s
215: learn: 0.0891287    total: 6.49s  remaining: 23.5s
216: learn: 0.0889761    total: 6.51s  remaining: 23.5s
217: learn: 0.0887613    total: 6.53s  remaining: 23.4s
218: learn: 0.0885806    total: 6.57s  remaining: 23.4s
219: learn: 0.0884542    total: 6.6s   remaining: 23.4s
220: learn: 0.0882726    total: 6.61s  remaining: 23.3s
221: learn: 0.0881593    total: 6.63s  remaining: 23.2s
222: learn: 0.0879918    total: 6.64s  remaining: 23.1s
223: learn: 0.0877235    total: 6.69s  remaining: 23.2s
224: learn: 0.0875231    total: 6.77s  remaining: 23.3s
225: learn: 0.0874569    total: 6.83s  remaining: 23.4s
226: learn: 0.0873460    total: 6.86s  remaining: 23.4s
227: learn: 0.0871904    total: 6.91s  remaining: 23.4s
228: learn: 0.0871424    total: 6.92s  remaining: 23.3s
229: learn: 0.0869801    total: 6.95s  remaining: 23.3s
230: learn: 0.0869350    total: 7.03s  remaining: 23.4s
231: learn: 0.0866964    total: 7.04s  remaining: 23.3s
232: learn: 0.0866514    total: 7.12s  remaining: 23.4s
233: learn: 0.0864665    total: 7.12s  remaining: 23.3s
234: learn: 0.0863612    total: 7.2s   remaining: 23.5s
235: learn: 0.0862107    total: 7.21s  remaining: 23.3s
236: learn: 0.0858952    total: 7.27s  remaining: 23.4s
237: learn: 0.0857208    total: 7.44s  remaining: 23.8s
238: learn: 0.0855403    total: 7.47s  remaining: 23.8s
239: learn: 0.0852907    total: 7.5s   remaining: 23.7s
240: learn: 0.0851154    total: 7.55s  remaining: 23.8s
241: learn: 0.0849874    total: 7.59s  remaining: 23.8s
242: learn: 0.0848369    total: 7.6s   remaining: 23.7s
243: learn: 0.0845808    total: 7.65s  remaining: 23.7s
244: learn: 0.0843913    total: 7.69s  remaining: 23.7s
245: learn: 0.0843409    total: 7.72s  remaining: 23.7s
246: learn: 0.0840563    total: 7.76s  remaining: 23.6s
247: learn: 0.0838115    total: 7.77s  remaining: 23.6s
248: learn: 0.0836576    total: 7.82s  remaining: 23.6s

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249: learn: 0.0834656    total: 7.84s  remaining: 23.5s
250: learn: 0.0831954    total: 7.92s  remaining: 23.6s
251: learn: 0.0830830    total: 7.94s  remaining: 23.6s
252: learn: 0.0829840    total: 7.97s  remaining: 23.5s
253: learn: 0.0828135    total: 8s      remaining: 23.5s
254: learn: 0.0827868    total: 8.04s  remaining: 23.5s
255: learn: 0.0826516    total: 8.05s  remaining: 23.4s
256: learn: 0.0824484    total: 8.13s  remaining: 23.5s
257: learn: 0.0823591    total: 8.15s  remaining: 23.4s
258: learn: 0.0821847    total: 8.18s  remaining: 23.4s
259: learn: 0.0819056    total: 8.21s  remaining: 23.4s
260: learn: 0.0818816    total: 8.27s  remaining: 23.4s
261: learn: 0.0817608    total: 8.29s  remaining: 23.3s
262: learn: 0.0815495    total: 8.3s   remaining: 23.3s
263: learn: 0.0814676    total: 8.33s  remaining: 23.2s
264: learn: 0.0814352    total: 8.38s  remaining: 23.2s
265: learn: 0.0813588    total: 8.39s  remaining: 23.2s
266: learn: 0.0813175    total: 8.43s  remaining: 23.1s
267: learn: 0.0811249    total: 8.49s  remaining: 23.2s
268: learn: 0.0810880    total: 8.52s  remaining: 23.2s
269: learn: 0.0808971    total: 8.54s  remaining: 23.1s
270: learn: 0.0807522    total: 8.54s  remaining: 23s
271: learn: 0.0806379    total: 8.6s   remaining: 23s
272: learn: 0.0803606    total: 8.62s  remaining: 23s
273: learn: 0.0802498    total: 8.67s  remaining: 23s
274: learn: 0.0800494    total: 8.69s  remaining: 22.9s
275: learn: 0.0800125    total: 8.7s   remaining: 22.8s
276: learn: 0.0798252    total: 8.71s  remaining: 22.7s
277: learn: 0.0796979    total: 8.74s  remaining: 22.7s
278: learn: 0.0795069    total: 8.74s  remaining: 22.6s
279: learn: 0.0794787    total: 8.78s  remaining: 22.6s
280: learn: 0.0793260    total: 8.81s  remaining: 22.5s
281: learn: 0.0791018    total: 8.81s  remaining: 22.4s
282: learn: 0.0789404    total: 8.82s  remaining: 22.4s
283: learn: 0.0788548    total: 8.85s  remaining: 22.3s
284: learn: 0.0788170    total: 8.88s  remaining: 22.3s
285: learn: 0.0787823    total: 8.91s  remaining: 22.3s
286: learn: 0.0787563    total: 8.94s  remaining: 22.2s
287: learn: 0.0786225    total: 8.95s  remaining: 22.1s
288: learn: 0.0784256    total: 8.97s  remaining: 22.1s
289: learn: 0.0783477    total: 8.99s  remaining: 22s
290: learn: 0.0781410    total: 9.02s  remaining: 22s
291: learn: 0.0780574    total: 9.04s  remaining: 21.9s
292: learn: 0.0778682    total: 9.06s  remaining: 21.9s
293: learn: 0.0777194    total: 9.07s  remaining: 21.8s
294: learn: 0.0776024    total: 9.1s   remaining: 21.7s
295: learn: 0.0775274    total: 9.11s  remaining: 21.7s
296: learn: 0.0773663    total: 9.12s  remaining: 21.6s
297: learn: 0.0771915    total: 9.15s  remaining: 21.5s
298: learn: 0.0770873    total: 9.19s  remaining: 21.5s
299: learn: 0.0770529    total: 9.22s  remaining: 21.5s
300: learn: 0.0769473    total: 9.25s  remaining: 21.5s
301: learn: 0.0769158    total: 9.27s  remaining: 21.4s
302: learn: 0.0768112    total: 9.27s  remaining: 21.3s
303: learn: 0.0766312    total: 9.28s  remaining: 21.2s
304: learn: 0.0765189    total: 9.3s   remaining: 21.2s
305: learn: 0.0763922    total: 9.31s  remaining: 21.1s
306: learn: 0.0762900    total: 9.34s  remaining: 21.1s
307: learn: 0.0761648    total: 9.36s  remaining: 21s
308: learn: 0.0760584    total: 9.38s  remaining: 21s
309: learn: 0.0758894    total: 9.41s  remaining: 21s
310: learn: 0.0756888    total: 9.45s  remaining: 20.9s
311: learn: 0.0754819    total: 9.48s  remaining: 20.9s
312: learn: 0.0753528    total: 9.52s  remaining: 20.9s

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313: learn: 0.0753275      total: 9.53s  remaining: 20.8s
314: learn: 0.0751489      total: 9.54s  remaining: 20.7s
315: learn: 0.0749809      total: 9.57s  remaining: 20.7s
316: learn: 0.0747938      total: 9.59s  remaining: 20.7s
317: learn: 0.0747372      total: 9.62s  remaining: 20.6s
318: learn: 0.0746746      total: 9.66s  remaining: 20.6s
319: learn: 0.0746510      total: 9.66s  remaining: 20.5s
320: learn: 0.0745568      total: 9.69s  remaining: 20.5s
321: learn: 0.0744290      total: 9.71s  remaining: 20.4s
322: learn: 0.0743639      total: 9.72s  remaining: 20.4s
323: learn: 0.0742608      total: 9.72s  remaining: 20.3s
324: learn: 0.0741086      total: 9.75s  remaining: 20.2s
325: learn: 0.0740516      total: 9.78s  remaining: 20.2s
326: learn: 0.0738790      total: 9.84s  remaining: 20.3s
327: learn: 0.0737141      total: 9.88s  remaining: 20.2s
328: learn: 0.0735227      total: 9.88s  remaining: 20.2s
329: learn: 0.0733197      total: 9.94s  remaining: 20.2s
330: learn: 0.0731663      total: 9.97s  remaining: 20.1s
175: learn: 0.0914128      total: 5.79s   remaining: 27.1s
176: learn: 0.0912319      total: 5.87s   remaining: 27.3s
177: learn: 0.0910587      total: 5.88s   remaining: 27.2s
178: learn: 0.0908555      total: 5.91s   remaining: 27.1s
179: learn: 0.0907365      total: 5.92s   remaining: 27s
180: learn: 0.0905067      total: 5.92s   remaining: 26.8s
181: learn: 0.0903061      total: 5.95s   remaining: 26.7s
182: learn: 0.0900830      total: 6s       remaining: 26.8s
183: learn: 0.0899483      total: 6.03s   remaining: 26.7s
184: learn: 0.0898474      total: 6.08s   remaining: 26.8s
185: learn: 0.0896572      total: 6.16s   remaining: 27s
186: learn: 0.0894937      total: 6.17s   remaining: 26.8s
187: learn: 0.0892520      total: 6.22s   remaining: 26.9s
188: learn: 0.0889899      total: 6.23s   remaining: 26.7s
189: learn: 0.0888074      total: 6.33s   remaining: 27s
190: learn: 0.0886801      total: 6.33s   remaining: 26.8s
191: learn: 0.0885000      total: 6.37s   remaining: 26.8s
192: learn: 0.0883889      total: 6.5s     remaining: 27.2s
193: learn: 0.0881394      total: 6.53s   remaining: 27.1s
194: learn: 0.0879313      total: 6.55s   remaining: 27s
195: learn: 0.0878259      total: 6.58s   remaining: 27s
196: learn: 0.0876209      total: 6.59s   remaining: 26.9s
197: learn: 0.0874707      total: 6.65s   remaining: 26.9s
198: learn: 0.0873101      total: 6.67s   remaining: 26.9s
199: learn: 0.0870399      total: 6.7s     remaining: 26.8s
200: learn: 0.0867425      total: 6.79s   remaining: 27s
201: learn: 0.0865884      total: 6.81s   remaining: 26.9s
202: learn: 0.0864622      total: 6.85s   remaining: 26.9s
203: learn: 0.0863189      total: 6.89s   remaining: 26.9s
204: learn: 0.0862010      total: 6.91s   remaining: 26.8s
205: learn: 0.0859823      total: 6.99s   remaining: 26.9s
206: learn: 0.0858544      total: 7.01s   remaining: 26.9s
207: learn: 0.0856653      total: 7.06s   remaining: 26.9s
208: learn: 0.0854283      total: 7.13s   remaining: 27s
209: learn: 0.0852369      total: 7.2s     remaining: 27.1s
210: learn: 0.0850701      total: 7.24s   remaining: 27.1s
211: learn: 0.0849275      total: 7.35s   remaining: 27.3s
212: learn: 0.0847963      total: 7.4s     remaining: 27.3s
213: learn: 0.0846331      total: 7.46s   remaining: 27.4s
214: learn: 0.0844590      total: 7.52s   remaining: 27.5s
215: learn: 0.0842923      total: 7.57s   remaining: 27.5s
216: learn: 0.0840591      total: 7.59s   remaining: 27.4s
217: learn: 0.0839319      total: 7.6s     remaining: 27.3s
218: learn: 0.0837595      total: 7.66s   remaining: 27.3s
219: learn: 0.0836157      total: 7.67s   remaining: 27.2s
220: learn: 0.0834387      total: 7.7s     remaining: 27.1s

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221: learn: 0.0833049    total: 7.71s  remaining: 27s
222: learn: 0.0831257    total: 7.73s  remaining: 26.9s
223: learn: 0.0829444    total: 7.79s  remaining: 27s
224: learn: 0.0827575    total: 7.82s  remaining: 27s
225: learn: 0.0826269    total: 7.87s  remaining: 27s
226: learn: 0.0824689    total: 7.88s  remaining: 26.8s
227: learn: 0.0823344    total: 7.91s  remaining: 26.8s
228: learn: 0.0821276    total: 7.96s  remaining: 26.8s
229: learn: 0.0819732    total: 7.97s  remaining: 26.7s
230: learn: 0.0817089    total: 8s      remaining: 26.6s
231: learn: 0.0815129    total: 8.06s  remaining: 26.7s
232: learn: 0.0812582    total: 8.12s  remaining: 26.7s
233: learn: 0.0810772    total: 8.14s  remaining: 26.6s
234: learn: 0.0808320    total: 8.15s  remaining: 26.5s
235: learn: 0.0807205    total: 8.23s  remaining: 26.6s
236: learn: 0.0805515    total: 8.27s  remaining: 26.6s
237: learn: 0.0804139    total: 8.29s  remaining: 26.5s
238: learn: 0.0802312    total: 8.32s  remaining: 26.5s
239: learn: 0.0800658    total: 8.34s  remaining: 26.4s
240: learn: 0.0799488    total: 8.37s  remaining: 26.4s
241: learn: 0.0797416    total: 8.38s  remaining: 26.3s
242: learn: 0.0796571    total: 8.42s  remaining: 26.2s
243: learn: 0.0795366    total: 8.44s  remaining: 26.1s
244: learn: 0.0794375    total: 8.5s    remaining: 26.2s
245: learn: 0.0792803    total: 8.53s  remaining: 26.1s
246: learn: 0.0791818    total: 8.56s  remaining: 26.1s
247: learn: 0.0790297    total: 8.59s  remaining: 26s
248: learn: 0.0787714    total: 8.63s  remaining: 26s
249: learn: 0.0786976    total: 8.64s  remaining: 25.9s
250: learn: 0.0785249    total: 8.65s  remaining: 25.8s
251: learn: 0.0782138    total: 8.7s    remaining: 25.8s
252: learn: 0.0781439    total: 8.71s  remaining: 25.7s
253: learn: 0.0780163    total: 8.74s  remaining: 25.7s
254: learn: 0.0778947    total: 8.76s  remaining: 25.6s
255: learn: 0.0777100    total: 8.79s  remaining: 25.6s
256: learn: 0.0775390    total: 8.82s  remaining: 25.5s
257: learn: 0.0773829    total: 9.05s  remaining: 26s
258: learn: 0.0772777    total: 9.18s  remaining: 26.3s
259: learn: 0.0772100    total: 9.21s  remaining: 26.2s
260: learn: 0.0770653    total: 9.22s  remaining: 26.1s
261: learn: 0.0770013    total: 9.25s  remaining: 26s
262: learn: 0.0768959    total: 9.27s  remaining: 26s
263: learn: 0.0767622    total: 9.27s  remaining: 25.9s
264: learn: 0.0767010    total: 9.32s  remaining: 25.9s
265: learn: 0.0765267    total: 9.33s  remaining: 25.7s
266: learn: 0.0763382    total: 9.38s  remaining: 25.8s
267: learn: 0.0762929    total: 9.42s  remaining: 25.7s
268: learn: 0.0761573    total: 9.46s  remaining: 25.7s
269: learn: 0.0760967    total: 9.48s  remaining: 25.6s
270: learn: 0.0760418    total: 9.51s  remaining: 25.6s
271: learn: 0.0758805    total: 9.55s  remaining: 25.6s
272: learn: 0.0758243    total: 9.57s  remaining: 25.5s
273: learn: 0.0757402    total: 9.58s  remaining: 25.4s
274: learn: 0.0756510    total: 9.62s  remaining: 25.4s
275: learn: 0.0754293    total: 9.62s  remaining: 25.2s
276: learn: 0.0751770    total: 9.68s  remaining: 25.3s
277: learn: 0.0751382    total: 9.7s    remaining: 25.2s
278: learn: 0.0750892    total: 9.7s    remaining: 25.1s
279: learn: 0.0750636    total: 9.77s  remaining: 25.1s
280: learn: 0.0748679    total: 9.77s  remaining: 25s
281: learn: 0.0747744    total: 9.85s  remaining: 25.1s
282: learn: 0.0746765    total: 9.86s  remaining: 25s
283: learn: 0.0745217    total: 9.9s   remaining: 25s
284: learn: 0.0743431    total: 9.98s  remaining: 25s

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285: learn: 0.0742152      total: 10s      remaining: 25s
286: learn: 0.0741048      total: 10s      remaining: 24.9s
287: learn: 0.0740175      total: 10.1s     remaining: 25s
288: learn: 0.0738846      total: 10.2s     remaining: 25.1s
289: learn: 0.0737586      total: 10.2s     remaining: 25s
290: learn: 0.0736613      total: 10.2s     remaining: 24.9s
291: learn: 0.0734693      total: 10.3s     remaining: 25s
292: learn: 0.0734269      total: 10.3s     remaining: 24.9s
293: learn: 0.0733812      total: 10.4s     remaining: 24.9s
294: learn: 0.0732626      total: 10.4s     remaining: 24.8s
295: learn: 0.0731787      total: 10.4s     remaining: 24.8s
296: learn: 0.0731331      total: 10.5s     remaining: 24.9s
297: learn: 0.0730237      total: 10.6s     remaining: 24.9s
298: learn: 0.0729770      total: 10.6s     remaining: 24.8s
299: learn: 0.0727778      total: 10.6s     remaining: 24.8s
300: learn: 0.0726995      total: 10.6s     remaining: 24.7s
301: learn: 0.0726743      total: 10.7s     remaining: 24.6s
302: learn: 0.0725159      total: 10.7s     remaining: 24.5s
303: learn: 0.0723700      total: 10.7s     remaining: 24.5s
304: learn: 0.0722565      total: 10.7s     remaining: 24.4s
305: learn: 0.0722366      total: 10.8s     remaining: 24.5s
306: learn: 0.0721248      total: 10.8s     remaining: 24.4s
307: learn: 0.0720938      total: 10.9s     remaining: 24.4s
308: learn: 0.0720470      total: 10.9s     remaining: 24.3s
309: learn: 0.0719092      total: 10.9s     remaining: 24.3s
310: learn: 0.0717630      total: 11s       remaining: 24.3s
311: learn: 0.0715665      total: 11s       remaining: 24.3s
312: learn: 0.0713885      total: 11.1s     remaining: 24.4s
313: learn: 0.0711675      total: 11.2s     remaining: 24.4s
314: learn: 0.0710965      total: 11.2s     remaining: 24.4s
315: learn: 0.0710312      total: 11.3s     remaining: 24.4s
316: learn: 0.0708754      total: 11.3s     remaining: 24.3s
317: learn: 0.0707213      total: 11.4s     remaining: 24.4s
318: learn: 0.0706735      total: 11.4s     remaining: 24.4s
319: learn: 0.0705457      total: 11.5s     remaining: 24.4s
320: learn: 0.0705125      total: 11.5s     remaining: 24.4s
321: learn: 0.0704951      total: 11.6s     remaining: 24.4s
322: learn: 0.0703953      total: 11.6s     remaining: 24.4s
323: learn: 0.0702582      total: 11.7s     remaining: 24.4s
324: learn: 0.0701140      total: 11.8s     remaining: 24.4s
325: learn: 0.0700635      total: 11.8s     remaining: 24.4s
326: learn: 0.0698722      total: 11.8s     remaining: 24.3s
327: learn: 0.0697382      total: 11.8s     remaining: 24.2s
328: learn: 0.0696911      total: 11.9s     remaining: 24.2s
329: learn: 0.0696403      total: 11.9s     remaining: 24.2s
330: learn: 0.0696169      total: 12s       remaining: 24.2s
331: learn: 0.0694516      total: 12s       remaining: 24.1s
332: learn: 0.0694326      total: 12s       remaining: 24s
333: learn: 0.0693196      total: 12s       remaining: 24s
114: learn: 0.1146148      total: 4.16s     remaining: 32s
115: learn: 0.1141720      total: 4.24s     remaining: 32.3s
116: learn: 0.1137852      total: 4.25s     remaining: 32.1s
117: learn: 0.1135523      total: 4.29s     remaining: 32.1s
118: learn: 0.1132791      total: 4.35s     remaining: 32.2s
119: learn: 0.1129420      total: 4.37s     remaining: 32s
120: learn: 0.1125855      total: 4.39s     remaining: 31.9s
121: learn: 0.1122283      total: 4.42s     remaining: 31.8s
122: learn: 0.1119396      total: 4.48s     remaining: 32s
123: learn: 0.1116453      total: 4.51s     remaining: 31.9s
124: learn: 0.1112439      total: 4.6s      remaining: 32.2s
125: learn: 0.1110530      total: 4.61s     remaining: 32s
126: learn: 0.1108342      total: 4.65s     remaining: 32s
127: learn: 0.1105585      total: 4.69s     remaining: 32s
128: learn: 0.1102228      total: 4.74s     remaining: 32s

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129: learn: 0.1100122      total: 4.78s  remaining: 32s
130: learn: 0.1098505      total: 4.83s  remaining: 32.1s
131: learn: 0.1095616      total: 4.88s  remaining: 32.1s
132: learn: 0.1092142      total: 4.94s  remaining: 32.2s
133: learn: 0.1089479      total: 4.99s  remaining: 32.2s
134: learn: 0.1087198      total: 5.12s  remaining: 32.8s
135: learn: 0.1084529      total: 5.15s  remaining: 32.7s
136: learn: 0.1081557      total: 5.16s  remaining: 32.5s
137: learn: 0.1079310      total: 5.21s  remaining: 32.6s
138: learn: 0.1076875      total: 5.23s  remaining: 32.4s
139: learn: 0.1074242      total: 5.32s  remaining: 32.7s
140: learn: 0.1070830      total: 5.35s  remaining: 32.6s
141: learn: 0.1068984      total: 5.39s  remaining: 32.6s
142: learn: 0.1066921      total: 5.47s  remaining: 32.8s
143: learn: 0.1064385      total: 5.5s   remaining: 32.7s
144: learn: 0.1061907      total: 5.61s  remaining: 33.1s
145: learn: 0.1059435      total: 5.67s  remaining: 33.2s
146: learn: 0.1057022      total: 5.71s  remaining: 33.1s
147: learn: 0.1054368      total: 5.76s  remaining: 33.2s
148: learn: 0.1052242      total: 5.77s  remaining: 33s
149: learn: 0.1049429      total: 5.79s  remaining: 32.8s
150: learn: 0.1046632      total: 5.8s   remaining: 32.6s
151: learn: 0.1044662      total: 5.82s  remaining: 32.5s
152: learn: 0.1043096      total: 5.86s  remaining: 32.5s
153: learn: 0.1040188      total: 5.9s   remaining: 32.4s
154: learn: 0.1037943      total: 5.91s  remaining: 32.2s
155: learn: 0.1036140      total: 5.92s  remaining: 32s
156: learn: 0.1035203      total: 5.93s  remaining: 31.9s
157: learn: 0.1032435      total: 5.94s  remaining: 31.7s
158: learn: 0.1030362      total: 6s     remaining: 31.7s
159: learn: 0.1027762      total: 6.01s  remaining: 31.5s
160: learn: 0.1025012      total: 6.04s  remaining: 31.5s
161: learn: 0.1023159      total: 6.07s  remaining: 31.4s
162: learn: 0.1021553      total: 6.08s  remaining: 31.2s
163: learn: 0.1019717      total: 6.13s  remaining: 31.3s
164: learn: 0.1015873      total: 6.23s  remaining: 31.5s
165: learn: 0.1013466      total: 6.24s  remaining: 31.4s
166: learn: 0.1011226      total: 6.3s   remaining: 31.4s
167: learn: 0.1009783      total: 6.33s  remaining: 31.3s
168: learn: 0.1007273      total: 6.37s  remaining: 31.3s
169: learn: 0.1005361      total: 6.39s  remaining: 31.2s
170: learn: 0.1003777      total: 6.39s  remaining: 31s
171: learn: 0.1001702      total: 6.41s  remaining: 30.9s
172: learn: 0.1000327      total: 6.42s  remaining: 30.7s
173: learn: 0.0997963      total: 6.43s  remaining: 30.5s
174: learn: 0.0995657      total: 6.5s   remaining: 30.7s
175: learn: 0.0994242      total: 6.51s  remaining: 30.5s
176: learn: 0.0991814      total: 6.53s  remaining: 30.3s
177: learn: 0.0988992      total: 6.54s  remaining: 30.2s
178: learn: 0.0986785      total: 6.55s  remaining: 30.1s
179: learn: 0.0985890      total: 6.58s  remaining: 30s
180: learn: 0.0983389      total: 6.6s   remaining: 29.9s
181: learn: 0.0981449      total: 6.61s  remaining: 29.7s
182: learn: 0.0979771      total: 6.62s  remaining: 29.6s
183: learn: 0.0978166      total: 6.65s  remaining: 29.5s
184: learn: 0.0976790      total: 6.72s  remaining: 29.6s
185: learn: 0.0975586      total: 6.77s  remaining: 29.6s
186: learn: 0.0975137      total: 6.78s  remaining: 29.5s
187: learn: 0.0973636      total: 6.87s  remaining: 29.7s
188: learn: 0.0971985      total: 6.88s  remaining: 29.5s
189: learn: 0.0968724      total: 6.91s  remaining: 29.5s
190: learn: 0.0966484      total: 6.92s  remaining: 29.3s
191: learn: 0.0965221      total: 6.97s  remaining: 29.3s
192: learn: 0.0963311      total: 7s    remaining: 29.3s

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193: learn: 0.0961279    total: 7.02s  remaining: 29.2s
194: learn: 0.0958921    total: 7.07s  remaining: 29.2s
195: learn: 0.0956897    total: 7.12s  remaining: 29.2s
196: learn: 0.0954826    total: 7.15s  remaining: 29.1s
197: learn: 0.0953951    total: 7.16s  remaining: 29s
198: learn: 0.0952526    total: 7.18s  remaining: 28.9s
199: learn: 0.0949434    total: 7.21s  remaining: 28.8s
200: learn: 0.0947353    total: 7.23s  remaining: 28.7s
201: learn: 0.0946469    total: 7.26s  remaining: 28.7s
202: learn: 0.0945239    total: 7.28s  remaining: 28.6s
203: learn: 0.0942728    total: 7.29s  remaining: 28.4s
204: learn: 0.0941485    total: 7.3s   remaining: 28.3s
205: learn: 0.0939915    total: 7.34s  remaining: 28.3s
206: learn: 0.0939117    total: 7.35s  remaining: 28.2s
207: learn: 0.0937914    total: 7.39s  remaining: 28.1s
208: learn: 0.0935822    total: 7.41s  remaining: 28s
209: learn: 0.0934607    total: 7.42s  remaining: 27.9s
210: learn: 0.0931389    total: 7.55s  remaining: 28.2s
211: learn: 0.0929245    total: 7.56s  remaining: 28.1s
212: learn: 0.0927429    total: 7.57s  remaining: 28s
213: learn: 0.0926915    total: 7.59s  remaining: 27.9s
214: learn: 0.0924890    total: 7.63s  remaining: 27.8s
215: learn: 0.0923897    total: 7.66s  remaining: 27.8s
216: learn: 0.0922952    total: 7.72s  remaining: 27.9s
217: learn: 0.0921035    total: 7.75s  remaining: 27.8s
218: learn: 0.0919188    total: 7.79s  remaining: 27.8s
219: learn: 0.0917249    total: 7.84s  remaining: 27.8s
220: learn: 0.0915756    total: 7.88s  remaining: 27.8s
221: learn: 0.0914562    total: 7.9s   remaining: 27.7s
222: learn: 0.0912865    total: 7.92s  remaining: 27.6s
223: learn: 0.0911028    total: 7.96s  remaining: 27.6s
224: learn: 0.0908731    total: 8s    remaining: 27.5s
225: learn: 0.0906394    total: 8.04s  remaining: 27.5s
226: learn: 0.0905773    total: 8.05s  remaining: 27.4s
227: learn: 0.0904708    total: 8.06s  remaining: 27.3s
228: learn: 0.0902996    total: 8.12s  remaining: 27.3s
229: learn: 0.0900883    total: 8.13s  remaining: 27.2s
230: learn: 0.0900346    total: 8.16s  remaining: 27.2s
231: learn: 0.0898678    total: 8.18s  remaining: 27.1s
232: learn: 0.0896423    total: 8.19s  remaining: 27s
233: learn: 0.0896072    total: 8.21s  remaining: 26.9s
234: learn: 0.0895496    total: 8.23s  remaining: 26.8s
235: learn: 0.0893345    total: 8.28s  remaining: 26.8s
236: learn: 0.0892307    total: 8.32s  remaining: 26.8s
237: learn: 0.0891190    total: 8.43s  remaining: 27s
238: learn: 0.0890347    total: 8.47s  remaining: 27s
239: learn: 0.0889554    total: 8.48s  remaining: 26.9s
240: learn: 0.0888176    total: 8.56s  remaining: 27s
241: learn: 0.0887647    total: 8.58s  remaining: 26.9s
242: learn: 0.0886581    total: 8.61s  remaining: 26.8s
243: learn: 0.0883754    total: 8.69s  remaining: 26.9s
244: learn: 0.0881742    total: 8.72s  remaining: 26.9s
245: learn: 0.0880360    total: 8.73s  remaining: 26.8s
246: learn: 0.0878467    total: 8.76s  remaining: 26.7s
247: learn: 0.0876732    total: 8.81s  remaining: 26.7s
248: learn: 0.0875441    total: 8.85s  remaining: 26.7s
249: learn: 0.0874079    total: 8.88s  remaining: 26.6s
250: learn: 0.0872833    total: 8.9s   remaining: 26.6s
251: learn: 0.0872178    total: 8.94s  remaining: 26.5s
252: learn: 0.0871355    total: 8.97s  remaining: 26.5s
253: learn: 0.0869210    total: 9s    remaining: 26.4s
254: learn: 0.0868521    total: 9.07s  remaining: 26.5s
255: learn: 0.0865368    total: 9.09s  remaining: 26.4s
256: learn: 0.0864336    total: 9.11s  remaining: 26.3s

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257: learn: 0.0862927    total: 9.15s   remaining: 26.3s
258: learn: 0.0861811    total: 9.15s   remaining: 26.2s
259: learn: 0.0859977    total: 9.18s   remaining: 26.1s
260: learn: 0.0858603    total: 9.21s   remaining: 26.1s
261: learn: 0.0858135    total: 9.25s   remaining: 26.1s
262: learn: 0.0856111    total: 9.26s   remaining: 25.9s
263: learn: 0.0854860    total: 9.28s   remaining: 25.9s
264: learn: 0.0854062    total: 9.36s   remaining: 26s
265: learn: 0.0851173    total: 9.4s    remaining: 26s
266: learn: 0.0849110    total: 9.45s   remaining: 25.9s
267: learn: 0.0848218    total: 9.49s   remaining: 25.9s
268: learn: 0.0847785    total: 9.54s   remaining: 25.9s
269: learn: 0.0846317    total: 9.59s   remaining: 25.9s
270: learn: 0.0845559    total: 9.62s   remaining: 25.9s
271: learn: 0.0843994    total: 9.66s   remaining: 25.9s
170: learn: 0.1013988    total: 6.28s   remaining: 30.4s
171: learn: 0.1013187    total: 6.32s   remaining: 30.4s
172: learn: 0.1011386    total: 6.34s   remaining: 30.3s
173: learn: 0.1009194    total: 6.35s   remaining: 30.2s
174: learn: 0.1007791    total: 6.38s   remaining: 30.1s
175: learn: 0.1005896    total: 6.41s   remaining: 30s
176: learn: 0.1004095    total: 6.43s   remaining: 29.9s
177: learn: 0.1001779    total: 6.46s   remaining: 29.9s
178: learn: 0.1000304    total: 6.48s   remaining: 29.7s
179: learn: 0.0996853    total: 6.49s   remaining: 29.6s
180: learn: 0.0995013    total: 6.52s   remaining: 29.5s
181: learn: 0.0992509    total: 6.54s   remaining: 29.4s
182: learn: 0.0990533    total: 6.56s   remaining: 29.3s
183: learn: 0.0988358    total: 6.58s   remaining: 29.2s
184: learn: 0.0987006    total: 6.6s    remaining: 29.1s
185: learn: 0.0985489    total: 6.61s   remaining: 28.9s
186: learn: 0.0983322    total: 6.64s   remaining: 28.9s
187: learn: 0.0981322    total: 6.66s   remaining: 28.8s
188: learn: 0.0979596    total: 6.69s   remaining: 28.7s
189: learn: 0.0977562    total: 6.7s    remaining: 28.6s
190: learn: 0.0975307    total: 6.73s   remaining: 28.5s
191: learn: 0.0973679    total: 6.76s   remaining: 28.5s
192: learn: 0.0971873    total: 6.79s   remaining: 28.4s
193: learn: 0.0971369    total: 6.82s   remaining: 28.3s
194: learn: 0.0969356    total: 6.83s   remaining: 28.2s
195: learn: 0.0967639    total: 6.83s   remaining: 28s
196: learn: 0.0965743    total: 6.84s   remaining: 27.9s
197: learn: 0.0963489    total: 6.86s   remaining: 27.8s
198: learn: 0.0961891    total: 6.88s   remaining: 27.7s
199: learn: 0.0959302    total: 6.91s   remaining: 27.6s
200: learn: 0.0956847    total: 6.93s   remaining: 27.6s
201: learn: 0.0955356    total: 6.95s   remaining: 27.4s
202: learn: 0.0953268    total: 7.03s   remaining: 27.6s
203: learn: 0.0951957    total: 7.05s   remaining: 27.5s
204: learn: 0.0949867    total: 7.1s    remaining: 27.5s
205: learn: 0.0947738    total: 7.14s   remaining: 27.5s
206: learn: 0.0945558    total: 7.16s   remaining: 27.4s
207: learn: 0.0944704    total: 7.18s   remaining: 27.3s
208: learn: 0.0943402    total: 7.18s   remaining: 27.2s
209: learn: 0.0941867    total: 7.24s   remaining: 27.2s
210: learn: 0.0940800    total: 7.29s   remaining: 27.3s
211: learn: 0.0939492    total: 7.34s   remaining: 27.3s
212: learn: 0.0938874    total: 7.34s   remaining: 27.1s
213: learn: 0.0936756    total: 7.36s   remaining: 27s
214: learn: 0.0936329    total: 7.36s   remaining: 26.9s
215: learn: 0.0935138    total: 7.38s   remaining: 26.8s
216: learn: 0.0933955    total: 7.41s   remaining: 26.8s
217: learn: 0.0931957    total: 7.43s   remaining: 26.7s
218: learn: 0.0930944    total: 7.47s   remaining: 26.6s

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219: learn: 0.0928592      total: 7.51s    remaining: 26.6s
220: learn: 0.0927828      total: 7.51s    remaining: 26.5s
221: learn: 0.0926713      total: 7.52s    remaining: 26.4s
222: learn: 0.0925774      total: 7.52s    remaining: 26.2s
223: learn: 0.0924618      total: 7.53s    remaining: 26.1s
224: learn: 0.0923907      total: 7.54s    remaining: 26s
225: learn: 0.0922175      total: 7.56s    remaining: 25.9s
226: learn: 0.0920503      total: 7.61s    remaining: 25.9s
227: learn: 0.0918768      total: 7.63s    remaining: 25.8s
228: learn: 0.0917433      total: 7.64s    remaining: 25.7s
229: learn: 0.0915564      total: 7.68s    remaining: 25.7s
230: learn: 0.0914403      total: 7.7s     remaining: 25.6s
231: learn: 0.0913383      total: 7.74s    remaining: 25.6s
232: learn: 0.0912030      total: 7.78s    remaining: 25.6s
233: learn: 0.0911102      total: 7.8s     remaining: 25.5s
234: learn: 0.0910510      total: 7.82s    remaining: 25.5s
235: learn: 0.0909894      total: 7.85s    remaining: 25.4s
236: learn: 0.0909344      total: 7.88s    remaining: 25.4s
237: learn: 0.0908127      total: 7.92s    remaining: 25.3s
238: learn: 0.0906089      total: 7.95s    remaining: 25.3s
239: learn: 0.0903370      total: 7.96s    remaining: 25.2s
240: learn: 0.0901608      total: 7.97s    remaining: 25.1s
241: learn: 0.0899581      total: 7.99s    remaining: 25s
242: learn: 0.0897966      total: 7.99s    remaining: 24.9s
243: learn: 0.0897387      total: 8.01s    remaining: 24.8s
244: learn: 0.0895745      total: 8.03s    remaining: 24.7s
245: learn: 0.0893708      total: 8.09s    remaining: 24.8s
246: learn: 0.0892308      total: 8.14s    remaining: 24.8s
247: learn: 0.0891149      total: 8.17s    remaining: 24.8s
248: learn: 0.0889741      total: 8.26s    remaining: 24.9s
249: learn: 0.0888255      total: 8.35s    remaining: 25s
250: learn: 0.0887804      total: 8.39s    remaining: 25s
251: learn: 0.0885963      total: 8.44s    remaining: 25.1s
252: learn: 0.0885328      total: 8.46s    remaining: 25s
253: learn: 0.0883226      total: 8.49s    remaining: 24.9s
254: learn: 0.0881415      total: 8.55s    remaining: 25s
255: learn: 0.0880966      total: 8.57s    remaining: 24.9s
256: learn: 0.0879439      total: 8.66s    remaining: 25s
257: learn: 0.0878119      total: 8.75s    remaining: 25.2s
258: learn: 0.0876840      total: 8.8s     remaining: 25.2s
259: learn: 0.0874736      total: 8.88s    remaining: 25.3s
260: learn: 0.0873184      total: 8.89s    remaining: 25.2s
261: learn: 0.0872774      total: 8.93s    remaining: 25.2s
262: learn: 0.0871818      total: 8.97s    remaining: 25.1s
263: learn: 0.0870755      total: 9.04s    remaining: 25.2s
264: learn: 0.0869126      total: 9.07s    remaining: 25.2s
265: learn: 0.0868534      total: 9.11s    remaining: 25.1s
266: learn: 0.0868013      total: 9.16s    remaining: 25.2s
267: learn: 0.0866682      total: 9.21s    remaining: 25.1s
268: learn: 0.0864623      total: 9.3s     remaining: 25.3s
269: learn: 0.0863984      total: 9.32s    remaining: 25.2s
270: learn: 0.0862521      total: 9.35s    remaining: 25.2s
271: learn: 0.0860979      total: 9.45s    remaining: 25.3s
272: learn: 0.0860607      total: 9.47s    remaining: 25.2s
273: learn: 0.0859482      total: 9.5s     remaining: 25.2s
274: learn: 0.0859242      total: 9.6s     remaining: 25.3s
275: learn: 0.0858863      total: 9.61s    remaining: 25.2s
276: learn: 0.0857211      total: 9.67s    remaining: 25.2s
277: learn: 0.0856123      total: 9.69s    remaining: 25.2s
278: learn: 0.0854358      total: 9.7s     remaining: 25.1s
279: learn: 0.0852760      total: 9.76s    remaining: 25.1s
280: learn: 0.0851048      total: 9.8s     remaining: 25.1s
281: learn: 0.0850802      total: 9.83s    remaining: 25s
282: learn: 0.0849450      total: 9.84s    remaining: 24.9s

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283: learn: 0.0849195      total: 9.88s  remaining: 24.9s
284: learn: 0.0848947      total: 9.89s  remaining: 24.8s
285: learn: 0.0846954      total: 9.91s  remaining: 24.7s
286: learn: 0.0845195      total: 9.93s  remaining: 24.7s
287: learn: 0.0844788      total: 9.99s  remaining: 24.7s
288: learn: 0.0842134      total: 10s    remaining: 24.6s
289: learn: 0.0839121      total: 10.1s  remaining: 24.8s
290: learn: 0.0837992      total: 10.1s  remaining: 24.7s
291: learn: 0.0836009      total: 10.2s  remaining: 24.6s
292: learn: 0.0833685      total: 10.2s  remaining: 24.6s
293: learn: 0.0833464      total: 10.2s  remaining: 24.5s
294: learn: 0.0831797      total: 10.3s  remaining: 24.6s
295: learn: 0.0830146      total: 10.4s  remaining: 24.7s
296: learn: 0.0828590      total: 10.4s  remaining: 24.6s
297: learn: 0.0828364      total: 10.5s  remaining: 24.8s
298: learn: 0.0828144      total: 10.6s  remaining: 24.9s
299: learn: 0.0826684      total: 10.8s  remaining: 25.1s
300: learn: 0.0825056      total: 10.8s  remaining: 25.1s
301: learn: 0.0824826      total: 10.9s  remaining: 25.1s
302: learn: 0.0824356      total: 11s    remaining: 25.2s
303: learn: 0.0824156      total: 11s    remaining: 25.3s
304: learn: 0.0823828      total: 11.1s  remaining: 25.2s
305: learn: 0.0823570      total: 11.1s  remaining: 25.1s
306: learn: 0.0823373      total: 11.1s  remaining: 25.1s
307: learn: 0.0821438      total: 11.2s  remaining: 25.1s
308: learn: 0.0821232      total: 11.2s  remaining: 25.1s
309: learn: 0.0818765      total: 11.3s  remaining: 25.1s
310: learn: 0.0817244      total: 11.3s  remaining: 25s
311: learn: 0.0816518      total: 11.3s  remaining: 24.9s
312: learn: 0.0816259      total: 11.3s  remaining: 24.9s
313: learn: 0.0816076      total: 11.4s  remaining: 24.9s
314: learn: 0.0815911      total: 11.4s  remaining: 24.8s
315: learn: 0.0815708      total: 11.5s  remaining: 24.8s
316: learn: 0.0815465      total: 11.5s  remaining: 24.8s
317: learn: 0.0815285      total: 11.6s  remaining: 24.8s
318: learn: 0.0813981      total: 11.6s  remaining: 24.8s
319: learn: 0.0812158      total: 11.7s  remaining: 24.8s
320: learn: 0.0810816      total: 11.7s  remaining: 24.7s
321: learn: 0.0808582      total: 11.7s  remaining: 24.6s
322: learn: 0.0807278      total: 11.7s  remaining: 24.6s
323: learn: 0.0805588      total: 11.8s  remaining: 24.5s
324: learn: 0.0805378      total: 11.8s  remaining: 24.5s
325: learn: 0.0803514      total: 11.8s  remaining: 24.4s
326: learn: 0.0803335      total: 11.9s  remaining: 24.4s
327: learn: 0.0803113      total: 11.9s  remaining: 24.4s
172: learn: 0.0980155      total: 6.26s  remaining: 29.9s
173: learn: 0.0977084      total: 6.28s  remaining: 29.8s
174: learn: 0.0974738      total: 6.3s   remaining: 29.7s
175: learn: 0.0973029      total: 6.34s  remaining: 29.7s
176: learn: 0.0969619      total: 6.36s  remaining: 29.5s
177: learn: 0.0967747      total: 6.38s  remaining: 29.4s
178: learn: 0.0966114      total: 6.39s  remaining: 29.3s
179: learn: 0.0963627      total: 6.41s  remaining: 29.2s
180: learn: 0.0961428      total: 6.44s  remaining: 29.1s
181: learn: 0.0959361      total: 6.46s  remaining: 29s
182: learn: 0.0956698      total: 6.49s  remaining: 29s
183: learn: 0.0953065      total: 6.5s   remaining: 28.8s
184: learn: 0.0951097      total: 6.53s  remaining: 28.8s
185: learn: 0.0949681      total: 6.54s  remaining: 28.6s
186: learn: 0.0948180      total: 6.54s  remaining: 28.4s
187: learn: 0.0946742      total: 6.55s  remaining: 28.3s
188: learn: 0.0943063      total: 6.56s  remaining: 28.2s
189: learn: 0.0941616      total: 6.57s  remaining: 28s
190: learn: 0.0939611      total: 6.58s  remaining: 27.9s

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191: learn: 0.0937006    total: 6.59s  remaining: 27.7s
192: learn: 0.0935015    total: 6.59s  remaining: 27.6s
193: learn: 0.0933102    total: 6.59s  remaining: 27.4s
194: learn: 0.0930901    total: 6.62s  remaining: 27.3s
195: learn: 0.0928238    total: 6.67s  remaining: 27.3s
196: learn: 0.0926900    total: 6.7s   remaining: 27.3s
197: learn: 0.0923176    total: 6.72s  remaining: 27.2s
198: learn: 0.0921420    total: 6.75s  remaining: 27.2s
199: learn: 0.0919854    total: 6.8s   remaining: 27.2s
200: learn: 0.0918010    total: 6.81s  remaining: 27.1s
201: learn: 0.0916310    total: 6.84s  remaining: 27s
202: learn: 0.0914572    total: 6.86s  remaining: 26.9s
203: learn: 0.0912063    total: 6.89s  remaining: 26.9s
204: learn: 0.0911338    total: 6.92s  remaining: 26.8s
205: learn: 0.0910416    total: 6.94s  remaining: 26.8s
206: learn: 0.0908034    total: 6.96s  remaining: 26.7s
207: learn: 0.0906135    total: 6.98s  remaining: 26.6s
208: learn: 0.0904575    total: 7.01s  remaining: 26.5s
209: learn: 0.0901616    total: 7.02s  remaining: 26.4s
210: learn: 0.0899855    total: 7.02s  remaining: 26.3s
211: learn: 0.0897834    total: 7.06s  remaining: 26.3s
212: learn: 0.0895966    total: 7.11s  remaining: 26.3s
213: learn: 0.0895138    total: 7.13s  remaining: 26.2s
214: learn: 0.0894049    total: 7.16s  remaining: 26.2s
215: learn: 0.0892371    total: 7.17s  remaining: 26s
216: learn: 0.0891811    total: 7.2s   remaining: 26s
217: learn: 0.0890173    total: 7.22s  remaining: 25.9s
218: learn: 0.0889008    total: 7.25s  remaining: 25.9s
219: learn: 0.0887754    total: 7.29s  remaining: 25.8s
220: learn: 0.0886639    total: 7.37s  remaining: 26s
221: learn: 0.0883432    total: 7.5s   remaining: 26.3s
222: learn: 0.0881912    total: 7.59s  remaining: 26.4s
223: learn: 0.0879209    total: 7.65s  remaining: 26.5s
224: learn: 0.0876542    total: 7.69s  remaining: 26.5s
225: learn: 0.0875723    total: 7.71s  remaining: 26.4s
226: learn: 0.0872378    total: 7.73s  remaining: 26.3s
227: learn: 0.0871234    total: 7.76s  remaining: 26.3s
228: learn: 0.0869466    total: 7.83s  remaining: 26.4s
229: learn: 0.0867686    total: 7.85s  remaining: 26.3s
230: learn: 0.0866151    total: 7.89s  remaining: 26.3s
231: learn: 0.0864061    total: 7.92s  remaining: 26.2s
232: learn: 0.0862018    total: 7.96s  remaining: 26.2s
233: learn: 0.0861465    total: 7.99s  remaining: 26.2s
234: learn: 0.0859498    total: 8s    remaining: 26.1s
235: learn: 0.0857032    total: 8.02s  remaining: 26s
236: learn: 0.0855683    total: 8.03s  remaining: 25.9s
237: learn: 0.0854880    total: 8.04s  remaining: 25.7s
238: learn: 0.0854217    total: 8.06s  remaining: 25.7s
239: learn: 0.0853397    total: 8.08s  remaining: 25.6s
240: learn: 0.0852647    total: 8.12s  remaining: 25.6s
241: learn: 0.0852188    total: 8.13s  remaining: 25.5s
242: learn: 0.0850402    total: 8.19s  remaining: 25.5s
243: learn: 0.0849996    total: 8.27s  remaining: 25.6s
244: learn: 0.0848865    total: 8.31s  remaining: 25.6s
245: learn: 0.0848396    total: 8.35s  remaining: 25.6s
246: learn: 0.0846439    total: 8.37s  remaining: 25.5s
247: learn: 0.0845845    total: 8.4s   remaining: 25.5s
248: learn: 0.0843567    total: 8.42s  remaining: 25.4s
249: learn: 0.0841716    total: 8.46s  remaining: 25.4s
250: learn: 0.0840704    total: 8.51s  remaining: 25.4s
251: learn: 0.0838859    total: 8.54s  remaining: 25.4s
252: learn: 0.0836628    total: 8.56s  remaining: 25.3s
253: learn: 0.0835056    total: 8.61s  remaining: 25.3s
254: learn: 0.0834438    total: 8.64s  remaining: 25.3s

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255: learn: 0.0832676    total: 8.78s   remaining: 25.5s
256: learn: 0.0830191    total: 8.83s   remaining: 25.5s
257: learn: 0.0828137    total: 9.14s   remaining: 26.3s
258: learn: 0.0826869    total: 9.24s   remaining: 26.4s
259: learn: 0.0825385    total: 9.36s   remaining: 26.6s
260: learn: 0.0823585    total: 9.43s   remaining: 26.7s
261: learn: 0.0821472    total: 9.5s    remaining: 26.8s
262: learn: 0.0820293    total: 9.52s   remaining: 26.7s
263: learn: 0.0819222    total: 9.63s   remaining: 26.9s
264: learn: 0.0818011    total: 9.78s   remaining: 27.1s
265: learn: 0.0817649    total: 9.86s   remaining: 27.2s
266: learn: 0.0815339    total: 10s     remaining: 27.5s
267: learn: 0.0813548    total: 10.1s   remaining: 27.6s
268: learn: 0.0812487    total: 10.2s   remaining: 27.7s
269: learn: 0.0811309    total: 10.3s   remaining: 27.9s
270: learn: 0.0810233    total: 10.4s   remaining: 28s
271: learn: 0.0808704    total: 10.5s   remaining: 28s
272: learn: 0.0808069    total: 10.5s   remaining: 27.9s
273: learn: 0.0807181    total: 10.5s   remaining: 27.9s
274: learn: 0.0806734    total: 10.6s   remaining: 27.9s
275: learn: 0.0806026    total: 10.7s   remaining: 28s
276: learn: 0.0805463    total: 10.7s   remaining: 28.1s
277: learn: 0.0805003    total: 10.8s   remaining: 27.9s
278: learn: 0.0804456    total: 10.8s   remaining: 27.9s
279: learn: 0.0803360    total: 10.9s   remaining: 27.9s
280: learn: 0.0802815    total: 10.9s   remaining: 27.9s
281: learn: 0.0802285    total: 10.9s   remaining: 27.8s
282: learn: 0.0801696    total: 11s     remaining: 27.8s
283: learn: 0.0800228    total: 11s     remaining: 27.7s
284: learn: 0.0797781    total: 11.1s   remaining: 27.7s
285: learn: 0.0796938    total: 11.1s   remaining: 27.7s
286: learn: 0.0796470    total: 11.2s   remaining: 27.8s
287: learn: 0.0796028    total: 11.2s   remaining: 27.7s
288: learn: 0.0795160    total: 11.3s   remaining: 27.7s
289: learn: 0.0794559    total: 11.3s   remaining: 27.6s
290: learn: 0.0792451    total: 11.3s   remaining: 27.6s
291: learn: 0.0790363    total: 11.4s   remaining: 27.7s
292: learn: 0.0787761    total: 11.5s   remaining: 27.7s
293: learn: 0.0785977    total: 11.5s   remaining: 27.7s
294: learn: 0.0784188    total: 11.6s   remaining: 27.6s
295: learn: 0.0782913    total: 11.6s   remaining: 27.5s
296: learn: 0.0780222    total: 11.6s   remaining: 27.5s
297: learn: 0.0778846    total: 11.6s   remaining: 27.4s
298: learn: 0.0777325    total: 11.7s   remaining: 27.4s
299: learn: 0.0775402    total: 11.7s   remaining: 27.3s
300: learn: 0.0775053    total: 11.7s   remaining: 27.3s
301: learn: 0.0774655    total: 11.8s   remaining: 27.2s
302: learn: 0.0774451    total: 11.8s   remaining: 27.1s
303: learn: 0.0774049    total: 11.8s   remaining: 27s
304: learn: 0.0772420    total: 11.8s   remaining: 26.9s
305: learn: 0.0770379    total: 11.8s   remaining: 26.9s
306: learn: 0.0769376    total: 11.9s   remaining: 26.8s
307: learn: 0.0769195    total: 11.9s   remaining: 26.7s
308: learn: 0.0768459    total: 11.9s   remaining: 26.7s
309: learn: 0.0767605    total: 12s     remaining: 26.6s
310: learn: 0.0767346    total: 12s     remaining: 26.6s
311: learn: 0.0767096    total: 12s     remaining: 26.5s
312: learn: 0.0765334    total: 12s     remaining: 26.4s
313: learn: 0.0764105    total: 12s     remaining: 26.3s
314: learn: 0.0762252    total: 12s     remaining: 26.2s
315: learn: 0.0760954    total: 12.1s   remaining: 26.2s
316: learn: 0.0760527    total: 12.1s   remaining: 26.1s
317: learn: 0.0758974    total: 12.2s   remaining: 26.1s
318: learn: 0.0757905    total: 12.2s   remaining: 26s

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319: learn: 0.0756985      total: 12.2s    remaining: 25.9s
320: learn: 0.0754206      total: 12.2s    remaining: 25.8s
321: learn: 0.0752575      total: 12.2s    remaining: 25.7s
322: learn: 0.0751407      total: 12.2s    remaining: 25.6s
323: learn: 0.0749692      total: 12.3s    remaining: 25.7s
324: learn: 0.0748365      total: 12.3s    remaining: 25.6s
325: learn: 0.0747298      total: 12.4s    remaining: 25.6s
326: learn: 0.0745974      total: 12.4s    remaining: 25.5s
327: learn: 0.0743962      total: 12.4s    remaining: 25.4s
328: learn: 0.0743201      total: 12.4s    remaining: 25.3s
329: learn: 0.0742463      total: 12.5s    remaining: 25.3s
331: learn: 0.0729867      total: 10s       remaining: 20.1s
332: learn: 0.0729656      total: 10.1s   remaining: 20.2s
333: learn: 0.0729449      total: 10.1s   remaining: 20.2s
334: learn: 0.0728629      total: 10.2s   remaining: 20.3s
335: learn: 0.0726959      total: 10.3s   remaining: 20.3s
336: learn: 0.0725790      total: 10.3s   remaining: 20.3s
337: learn: 0.0725182      total: 10.4s   remaining: 20.3s
338: learn: 0.0724204      total: 10.4s   remaining: 20.2s
339: learn: 0.0723169      total: 10.4s   remaining: 20.3s
340: learn: 0.0721842      total: 10.5s   remaining: 20.3s
341: learn: 0.0719762      total: 10.5s   remaining: 20.2s
342: learn: 0.0719595      total: 10.6s   remaining: 20.2s
343: learn: 0.0718402      total: 10.6s   remaining: 20.2s
344: learn: 0.0717885      total: 10.6s   remaining: 20.2s
345: learn: 0.0717511      total: 10.7s   remaining: 20.2s
346: learn: 0.0715858      total: 10.7s   remaining: 20.2s
347: learn: 0.0715274      total: 10.7s   remaining: 20.1s
348: learn: 0.0714235      total: 10.8s   remaining: 20.1s
349: learn: 0.0713114      total: 10.8s   remaining: 20.1s
350: learn: 0.0712933      total: 10.8s   remaining: 20.1s
351: learn: 0.0711685      total: 10.9s   remaining: 20s
352: learn: 0.0710657      total: 10.9s   remaining: 19.9s
353: learn: 0.0709525      total: 10.9s   remaining: 20s
354: learn: 0.0709378      total: 11s      remaining: 19.9s
355: learn: 0.0709220      total: 11s      remaining: 19.9s
356: learn: 0.0707151      total: 11s      remaining: 19.9s
357: learn: 0.0705222      total: 11s      remaining: 19.8s
358: learn: 0.0704305      total: 11s      remaining: 19.7s
359: learn: 0.0702357      total: 11.1s   remaining: 19.7s
360: learn: 0.0701217      total: 11.1s   remaining: 19.7s
361: learn: 0.0701096      total: 11.2s   remaining: 19.7s
362: learn: 0.0700120      total: 11.2s   remaining: 19.6s
363: learn: 0.0699070      total: 11.2s   remaining: 19.6s
364: learn: 0.0698360      total: 11.2s   remaining: 19.5s
365: learn: 0.0696644      total: 11.3s   remaining: 19.6s
366: learn: 0.0695366      total: 11.3s   remaining: 19.6s
367: learn: 0.0693876      total: 11.4s   remaining: 19.6s
368: learn: 0.0692790      total: 11.4s   remaining: 19.5s
369: learn: 0.0691967      total: 11.4s   remaining: 19.5s
370: learn: 0.0691566      total: 11.5s   remaining: 19.5s
371: learn: 0.0690163      total: 11.5s   remaining: 19.5s
372: learn: 0.0688982      total: 11.6s   remaining: 19.4s
373: learn: 0.0687677      total: 11.6s   remaining: 19.5s
374: learn: 0.0686390      total: 11.7s   remaining: 19.4s
375: learn: 0.0685669      total: 11.7s   remaining: 19.4s
376: learn: 0.0684407      total: 11.7s   remaining: 19.4s
377: learn: 0.0683176      total: 11.8s   remaining: 19.4s
378: learn: 0.0681959      total: 11.8s   remaining: 19.4s
379: learn: 0.0680801      total: 11.8s   remaining: 19.3s
380: learn: 0.0679100      total: 11.8s   remaining: 19.2s
381: learn: 0.0677505      total: 11.8s   remaining: 19.2s
382: learn: 0.0677339      total: 11.8s   remaining: 19.1s
383: learn: 0.0677141      total: 11.9s   remaining: 19.1s

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384: learn: 0.0676441    total: 11.9s  remaining: 19s
385: learn: 0.0675400    total: 12s   remaining: 19s
386: learn: 0.0674168    total: 12.1s  remaining: 19.1s
387: learn: 0.0673997    total: 12.1s  remaining: 19.1s
388: learn: 0.0672415    total: 12.2s  remaining: 19.1s
389: learn: 0.0670940    total: 12.2s  remaining: 19.1s
390: learn: 0.0670495    total: 12.3s  remaining: 19.1s
391: learn: 0.0669852    total: 12.4s  remaining: 19.2s
392: learn: 0.0668675    total: 12.4s  remaining: 19.2s
393: learn: 0.0667337    total: 12.4s  remaining: 19.1s
394: learn: 0.0665668    total: 12.5s  remaining: 19.1s
395: learn: 0.0664467    total: 12.5s  remaining: 19.1s
396: learn: 0.0664161    total: 12.5s  remaining: 19.1s
397: learn: 0.0663032    total: 12.6s  remaining: 19.1s
398: learn: 0.0662000    total: 12.7s  remaining: 19.1s
399: learn: 0.0661042    total: 12.7s  remaining: 19.1s
400: learn: 0.0660375    total: 12.8s  remaining: 19.2s
401: learn: 0.0658837    total: 12.9s  remaining: 19.2s
402: learn: 0.0657966    total: 12.9s  remaining: 19.1s
403: learn: 0.0656680    total: 13s   remaining: 19.1s
404: learn: 0.0655149    total: 13s   remaining: 19.1s
405: learn: 0.0653767    total: 13s   remaining: 19.1s
406: learn: 0.0652270    total: 13.1s  remaining: 19s
407: learn: 0.0652083    total: 13.1s  remaining: 19s
408: learn: 0.0651014    total: 13.1s  remaining: 19s
409: learn: 0.0649498    total: 13.2s  remaining: 19s
410: learn: 0.0648636    total: 13.2s  remaining: 18.9s
411: learn: 0.0647610    total: 13.2s  remaining: 18.9s
412: learn: 0.0646673    total: 13.2s  remaining: 18.8s
413: learn: 0.0645445    total: 13.2s  remaining: 18.7s
414: learn: 0.0643558    total: 13.3s  remaining: 18.7s
415: learn: 0.0642547    total: 13.3s  remaining: 18.7s
416: learn: 0.0641080    total: 13.3s  remaining: 18.6s
417: learn: 0.0640212    total: 13.3s  remaining: 18.5s
418: learn: 0.0638664    total: 13.3s  remaining: 18.5s
419: learn: 0.0637450    total: 13.4s  remaining: 18.5s
420: learn: 0.0637257    total: 13.4s  remaining: 18.4s
421: learn: 0.0635552    total: 13.4s  remaining: 18.4s
422: learn: 0.0634092    total: 13.5s  remaining: 18.4s
423: learn: 0.0632523    total: 13.5s  remaining: 18.3s
424: learn: 0.0631140    total: 13.5s  remaining: 18.3s
425: learn: 0.0629791    total: 13.6s  remaining: 18.3s
426: learn: 0.0629535    total: 13.6s  remaining: 18.2s
427: learn: 0.0628378    total: 13.6s  remaining: 18.2s
428: learn: 0.0627418    total: 13.7s  remaining: 18.2s
429: learn: 0.0625794    total: 13.7s  remaining: 18.2s
430: learn: 0.0624551    total: 13.7s  remaining: 18.1s
431: learn: 0.0623675    total: 13.7s  remaining: 18.1s
432: learn: 0.0622468    total: 13.8s  remaining: 18.1s
433: learn: 0.0621040    total: 13.8s  remaining: 18s
434: learn: 0.0619827    total: 13.8s  remaining: 18s
435: learn: 0.0618886    total: 13.9s  remaining: 18s
436: learn: 0.0618543    total: 14s   remaining: 18s
437: learn: 0.0617918    total: 14s   remaining: 17.9s
438: learn: 0.0616483    total: 14s   remaining: 17.9s
439: learn: 0.0615761    total: 14s   remaining: 17.9s
440: learn: 0.0615387    total: 14.1s  remaining: 17.8s
441: learn: 0.0614539    total: 14.1s  remaining: 17.8s
442: learn: 0.0613607    total: 14.1s  remaining: 17.8s
443: learn: 0.0613383    total: 14.1s  remaining: 17.7s
444: learn: 0.0612894    total: 14.2s  remaining: 17.7s
445: learn: 0.0612716    total: 14.2s  remaining: 17.6s
446: learn: 0.0612404    total: 14.2s  remaining: 17.6s
447: learn: 0.0611012    total: 14.2s  remaining: 17.5s

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448: learn: 0.0609620    total: 14.2s  remaining: 17.4s
449: learn: 0.0608173    total: 14.3s  remaining: 17.5s
450: learn: 0.0607044    total: 14.3s  remaining: 17.4s
451: learn: 0.0606191    total: 14.4s  remaining: 17.4s
452: learn: 0.0605048    total: 14.4s  remaining: 17.4s
453: learn: 0.0604530    total: 14.5s  remaining: 17.4s
454: learn: 0.0603283    total: 14.5s  remaining: 17.4s
455: learn: 0.0602382    total: 14.6s  remaining: 17.4s
456: learn: 0.0602267    total: 14.6s  remaining: 17.3s
457: learn: 0.0600562    total: 14.6s  remaining: 17.3s
458: learn: 0.0599521    total: 14.6s  remaining: 17.2s
459: learn: 0.0598472    total: 14.6s  remaining: 17.2s
460: learn: 0.0597034    total: 14.7s  remaining: 17.2s
461: learn: 0.0595900    total: 14.7s  remaining: 17.1s
462: learn: 0.0595167    total: 14.8s  remaining: 17.1s
463: learn: 0.0594319    total: 14.8s  remaining: 17.1s
464: learn: 0.0593646    total: 14.8s  remaining: 17.1s
465: learn: 0.0593431    total: 14.9s  remaining: 17.1s
466: learn: 0.0592306    total: 15s   remaining: 17.1s
467: learn: 0.0591221    total: 15s   remaining: 17.1s
468: learn: 0.0590023    total: 15s   remaining: 17s
469: learn: 0.0588978    total: 15.1s  remaining: 17s
470: learn: 0.0587692    total: 15.1s  remaining: 16.9s
471: learn: 0.0587554    total: 15.1s  remaining: 16.9s
472: learn: 0.0586321    total: 15.1s  remaining: 16.8s
473: learn: 0.0584716    total: 15.1s  remaining: 16.8s
474: learn: 0.0583586    total: 15.1s  remaining: 16.7s
475: learn: 0.0582598    total: 15.1s  remaining: 16.7s
476: learn: 0.0581023    total: 15.1s  remaining: 16.6s
477: learn: 0.0579938    total: 15.2s  remaining: 16.6s
478: learn: 0.0579720    total: 15.2s  remaining: 16.5s
479: learn: 0.0578528    total: 15.2s  remaining: 16.5s
480: learn: 0.0577418    total: 15.2s  remaining: 16.4s
481: learn: 0.0575775    total: 15.2s  remaining: 16.4s
482: learn: 0.0574460    total: 15.2s  remaining: 16.3s
483: learn: 0.0573694    total: 15.3s  remaining: 16.3s
484: learn: 0.0572258    total: 15.3s  remaining: 16.3s
485: learn: 0.0571687    total: 15.4s  remaining: 16.3s
486: learn: 0.0570288    total: 15.4s  remaining: 16.2s
487: learn: 0.0569386    total: 15.4s  remaining: 16.2s
488: learn: 0.0568534    total: 15.5s  remaining: 16.2s
334: learn: 0.0692084    total: 12.1s  remaining: 24.1s
335: learn: 0.0690877    total: 12.2s  remaining: 24.1s
336: learn: 0.0689357    total: 12.2s  remaining: 24.1s
337: learn: 0.0687805    total: 12.3s  remaining: 24.1s
338: learn: 0.0686389    total: 12.5s  remaining: 24.4s
339: learn: 0.0684374    total: 12.6s  remaining: 24.4s
340: learn: 0.0683568    total: 12.6s  remaining: 24.3s
341: learn: 0.0681644    total: 12.7s  remaining: 24.4s
342: learn: 0.0680522    total: 12.7s  remaining: 24.4s
343: learn: 0.0679152    total: 12.8s  remaining: 24.3s
344: learn: 0.0677378    total: 12.8s  remaining: 24.3s
345: learn: 0.0676534    total: 12.8s  remaining: 24.3s
346: learn: 0.0675859    total: 12.9s  remaining: 24.2s
347: learn: 0.0675025    total: 12.9s  remaining: 24.2s
348: learn: 0.0673736    total: 12.9s  remaining: 24.1s
349: learn: 0.0671733    total: 13s   remaining: 24.1s
350: learn: 0.0670357    total: 13s   remaining: 24s
351: learn: 0.0669475    total: 13s   remaining: 23.9s
352: learn: 0.0669070    total: 13s   remaining: 23.8s
353: learn: 0.0668782    total: 13s   remaining: 23.8s
354: learn: 0.0666934    total: 13.1s  remaining: 23.7s
355: learn: 0.0665363    total: 13.1s  remaining: 23.7s
356: learn: 0.0662761    total: 13.2s  remaining: 23.7s

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357: learn: 0.0661978    total: 13.2s  remaining: 23.6s
358: learn: 0.0661390    total: 13.2s  remaining: 23.6s
359: learn: 0.0659680    total: 13.2s  remaining: 23.5s
360: learn: 0.0658629    total: 13.3s  remaining: 23.6s
361: learn: 0.0657450    total: 13.4s  remaining: 23.6s
362: learn: 0.0657196    total: 13.4s  remaining: 23.5s
363: learn: 0.0656516    total: 13.4s  remaining: 23.5s
364: learn: 0.0656049    total: 13.4s  remaining: 23.4s
365: learn: 0.0655636    total: 13.5s  remaining: 23.4s
366: learn: 0.0655460    total: 13.5s  remaining: 23.3s
367: learn: 0.0654533    total: 13.5s  remaining: 23.2s
368: learn: 0.0653295    total: 13.5s  remaining: 23.1s
369: learn: 0.0653156    total: 13.6s  remaining: 23.1s
370: learn: 0.0652232    total: 13.6s  remaining: 23.1s
371: learn: 0.0652018    total: 13.6s  remaining: 23s
372: learn: 0.0650605    total: 13.7s  remaining: 23s
373: learn: 0.0649499    total: 13.7s  remaining: 22.9s
374: learn: 0.0648669    total: 13.7s  remaining: 22.9s
375: learn: 0.0647302    total: 13.7s  remaining: 22.8s
376: learn: 0.0646869    total: 13.8s  remaining: 22.8s
377: learn: 0.0646701    total: 13.9s  remaining: 22.8s
378: learn: 0.0646527    total: 13.9s  remaining: 22.8s
379: learn: 0.0646345    total: 13.9s  remaining: 22.7s
380: learn: 0.0644662    total: 14s   remaining: 22.8s
381: learn: 0.0642646    total: 14.1s  remaining: 22.7s
382: learn: 0.0641784    total: 14.1s  remaining: 22.7s
383: learn: 0.0640744    total: 14.1s  remaining: 22.6s
384: learn: 0.0640569    total: 14.1s  remaining: 22.6s
385: learn: 0.0638656    total: 14.2s  remaining: 22.5s
386: learn: 0.0638518    total: 14.2s  remaining: 22.5s
387: learn: 0.0636808    total: 14.2s  remaining: 22.5s
388: learn: 0.0636574    total: 14.3s  remaining: 22.4s
389: learn: 0.0635820    total: 14.3s  remaining: 22.3s
390: learn: 0.0634500    total: 14.3s  remaining: 22.3s
391: learn: 0.0634399    total: 14.4s  remaining: 22.3s
392: learn: 0.0632988    total: 14.4s  remaining: 22.2s
393: learn: 0.0631796    total: 14.4s  remaining: 22.2s
394: learn: 0.0630878    total: 14.4s  remaining: 22.1s
395: learn: 0.0630740    total: 14.5s  remaining: 22.1s
396: learn: 0.0630617    total: 14.5s  remaining: 22.1s
397: learn: 0.0630480    total: 14.6s  remaining: 22s
398: learn: 0.0630375    total: 14.6s  remaining: 22s
399: learn: 0.0630048    total: 14.6s  remaining: 21.9s
400: learn: 0.0629878    total: 14.6s  remaining: 21.9s
401: learn: 0.0628894    total: 14.7s  remaining: 21.8s
402: learn: 0.0627701    total: 14.7s  remaining: 21.8s
403: learn: 0.0627590    total: 14.7s  remaining: 21.7s
404: learn: 0.0626350    total: 14.7s  remaining: 21.6s
405: learn: 0.0626192    total: 14.8s  remaining: 21.6s
406: learn: 0.0624699    total: 14.8s  remaining: 21.6s
407: learn: 0.0623263    total: 14.8s  remaining: 21.5s
408: learn: 0.0622215    total: 14.9s  remaining: 21.5s
409: learn: 0.0620993    total: 14.9s  remaining: 21.4s
410: learn: 0.0620921    total: 14.9s  remaining: 21.4s
411: learn: 0.0620781    total: 15s   remaining: 21.4s
412: learn: 0.0619579    total: 15s   remaining: 21.3s
413: learn: 0.0618624    total: 15.1s  remaining: 21.3s
414: learn: 0.0618535    total: 15.1s  remaining: 21.2s
415: learn: 0.0617108    total: 15.1s  remaining: 21.2s
416: learn: 0.0615754    total: 15.1s  remaining: 21.1s
417: learn: 0.0613952    total: 15.1s  remaining: 21.1s
418: learn: 0.0613789    total: 15.1s  remaining: 21s
419: learn: 0.0612111    total: 15.2s  remaining: 20.9s
420: learn: 0.0611471    total: 15.2s  remaining: 20.9s

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421: learn: 0.0609599    total: 15.2s  remaining: 20.8s
422: learn: 0.0608234    total: 15.2s  remaining: 20.7s
423: learn: 0.0608144    total: 15.2s  remaining: 20.7s
424: learn: 0.0606357    total: 15.2s  remaining: 20.6s
425: learn: 0.0605233    total: 15.2s  remaining: 20.5s
426: learn: 0.0603556    total: 15.2s  remaining: 20.4s
427: learn: 0.0602906    total: 15.2s  remaining: 20.4s
428: learn: 0.0601588    total: 15.3s  remaining: 20.3s
429: learn: 0.0600653    total: 15.3s  remaining: 20.2s
430: learn: 0.0600562    total: 15.3s  remaining: 20.2s
431: learn: 0.0600341    total: 15.4s  remaining: 20.2s
432: learn: 0.0598599    total: 15.4s  remaining: 20.2s
433: learn: 0.0597353    total: 15.5s  remaining: 20.2s
434: learn: 0.0595737    total: 15.5s  remaining: 20.2s
435: learn: 0.0595619    total: 15.6s  remaining: 20.2s
436: learn: 0.0594627    total: 15.6s  remaining: 20.1s
437: learn: 0.0593475    total: 15.6s  remaining: 20s
438: learn: 0.0592117    total: 15.6s  remaining: 20s
439: learn: 0.0591369    total: 15.7s  remaining: 20s
440: learn: 0.0591288    total: 15.8s  remaining: 20s
441: learn: 0.0590927    total: 15.8s  remaining: 19.9s
442: learn: 0.0590194    total: 15.8s  remaining: 19.9s
443: learn: 0.0589150    total: 15.9s  remaining: 19.9s
444: learn: 0.0588236    total: 16s   remaining: 19.9s
445: learn: 0.0587524    total: 16s   remaining: 19.9s
446: learn: 0.0587444    total: 16s   remaining: 19.8s
447: learn: 0.0586343    total: 16s   remaining: 19.8s
448: learn: 0.0585728    total: 16.1s  remaining: 19.7s
449: learn: 0.0584457    total: 16.1s  remaining: 19.7s
450: learn: 0.0583122    total: 16.1s  remaining: 19.6s
451: learn: 0.0581750    total: 16.2s  remaining: 19.6s
452: learn: 0.0580910    total: 16.2s  remaining: 19.6s
453: learn: 0.0579935    total: 16.3s  remaining: 19.6s
454: learn: 0.0579133    total: 16.3s  remaining: 19.5s
455: learn: 0.0578049    total: 16.4s  remaining: 19.5s
456: learn: 0.0576822    total: 16.5s  remaining: 19.6s
457: learn: 0.0575429    total: 16.5s  remaining: 19.6s
458: learn: 0.0574614    total: 16.6s  remaining: 19.5s
459: learn: 0.0573831    total: 16.6s  remaining: 19.5s
460: learn: 0.0572943    total: 16.6s  remaining: 19.4s
461: learn: 0.0571999    total: 16.7s  remaining: 19.4s
462: learn: 0.0570558    total: 16.7s  remaining: 19.4s
463: learn: 0.0569734    total: 16.7s  remaining: 19.3s
464: learn: 0.0568914    total: 16.7s  remaining: 19.3s
465: learn: 0.0567963    total: 16.8s  remaining: 19.2s
466: learn: 0.0567380    total: 16.8s  remaining: 19.2s
467: learn: 0.0566656    total: 16.9s  remaining: 19.2s
468: learn: 0.0565469    total: 17s   remaining: 19.2s
469: learn: 0.0564473    total: 17s   remaining: 19.2s
470: learn: 0.0563449    total: 17s   remaining: 19.1s
471: learn: 0.0562212    total: 17.1s  remaining: 19.1s
472: learn: 0.0560889    total: 17.1s  remaining: 19.1s
473: learn: 0.0559996    total: 17.2s  remaining: 19s
474: learn: 0.0558774    total: 17.2s  remaining: 19s
475: learn: 0.0557590    total: 17.2s  remaining: 18.9s
476: learn: 0.0556944    total: 17.3s  remaining: 18.9s
477: learn: 0.0555676    total: 17.3s  remaining: 18.9s
478: learn: 0.0555073    total: 17.4s  remaining: 18.9s
479: learn: 0.0554203    total: 17.4s  remaining: 18.9s
480: learn: 0.0553172    total: 17.5s  remaining: 18.9s
481: learn: 0.0551951    total: 17.5s  remaining: 18.8s
482: learn: 0.0551171    total: 17.6s  remaining: 18.8s
483: learn: 0.0550219    total: 17.6s  remaining: 18.8s
484: learn: 0.0548791    total: 17.6s  remaining: 18.7s

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485: learn: 0.0547069    total: 17.7s  remaining: 18.7s
486: learn: 0.0545887    total: 17.7s  remaining: 18.7s
487: learn: 0.0545822    total: 17.8s  remaining: 18.6s
488: learn: 0.0545039    total: 17.8s  remaining: 18.6s
489: learn: 0.0544425    total: 17.9s  remaining: 18.6s
490: learn: 0.0543808    total: 17.9s  remaining: 18.6s
491: learn: 0.0542688    total: 17.9s  remaining: 18.5s
272: learn: 0.0842937    total: 9.73s  remaining: 25.9s
273: learn: 0.0841552    total: 9.81s  remaining: 26s
274: learn: 0.0839444    total: 9.83s  remaining: 25.9s
275: learn: 0.0839067    total: 9.92s  remaining: 26s
276: learn: 0.0837645    total: 10s     remaining: 26.2s
277: learn: 0.0835620    total: 10.1s  remaining: 26.1s
278: learn: 0.0833897    total: 10.1s  remaining: 26.1s
279: learn: 0.0832449    total: 10.1s  remaining: 26.1s
280: learn: 0.0831607    total: 10.2s  remaining: 26.1s
281: learn: 0.0831285    total: 10.3s  remaining: 26.1s
282: learn: 0.0829745    total: 10.3s  remaining: 26.1s
283: learn: 0.0828249    total: 10.3s  remaining: 26s
284: learn: 0.0827666    total: 10.3s  remaining: 25.9s
285: learn: 0.0825992    total: 10.4s  remaining: 25.9s
286: learn: 0.0825591    total: 10.4s  remaining: 25.9s
287: learn: 0.0824239    total: 10.4s  remaining: 25.8s
288: learn: 0.0823065    total: 10.5s  remaining: 25.8s
289: learn: 0.0821989    total: 10.5s  remaining: 25.7s
290: learn: 0.0821063    total: 10.5s  remaining: 25.6s
291: learn: 0.0819442    total: 10.5s  remaining: 25.5s
292: learn: 0.0818295    total: 10.5s  remaining: 25.4s
293: learn: 0.0816486    total: 10.6s  remaining: 25.5s
294: learn: 0.0815128    total: 10.6s  remaining: 25.4s
295: learn: 0.0813156    total: 10.7s  remaining: 25.5s
296: learn: 0.0811523    total: 10.8s  remaining: 25.5s
297: learn: 0.0810290    total: 10.8s  remaining: 25.5s
298: learn: 0.0808388    total: 10.9s  remaining: 25.5s
299: learn: 0.0807617    total: 10.9s  remaining: 25.4s
300: learn: 0.0807319    total: 11s     remaining: 25.5s
301: learn: 0.0806615    total: 11s     remaining: 25.4s
302: learn: 0.0805647    total: 11s     remaining: 25.3s
303: learn: 0.0803325    total: 11s     remaining: 25.3s
304: learn: 0.0801430    total: 11.1s  remaining: 25.3s
305: learn: 0.0799125    total: 11.1s  remaining: 25.2s
306: learn: 0.0797193    total: 11.2s  remaining: 25.2s
307: learn: 0.0796459    total: 11.2s  remaining: 25.2s
308: learn: 0.0796182    total: 11.2s  remaining: 25.1s
309: learn: 0.0794773    total: 11.3s  remaining: 25.1s
310: learn: 0.0793386    total: 11.3s  remaining: 25.1s
311: learn: 0.0792167    total: 11.4s  remaining: 25.1s
312: learn: 0.0790889    total: 11.4s  remaining: 25s
313: learn: 0.0789181    total: 11.4s  remaining: 25s
314: learn: 0.0788488    total: 11.5s  remaining: 24.9s
315: learn: 0.0786730    total: 11.5s  remaining: 24.8s
316: learn: 0.0784971    total: 11.5s  remaining: 24.8s
317: learn: 0.0783426    total: 11.6s  remaining: 24.8s
318: learn: 0.0782027    total: 11.6s  remaining: 24.8s
319: learn: 0.0781585    total: 11.6s  remaining: 24.7s
320: learn: 0.0780091    total: 11.6s  remaining: 24.6s
321: learn: 0.0779356    total: 11.7s  remaining: 24.6s
322: learn: 0.0779121    total: 11.7s  remaining: 24.6s
323: learn: 0.0778103    total: 11.7s  remaining: 24.5s
324: learn: 0.0776337    total: 11.8s  remaining: 24.4s
325: learn: 0.0774763    total: 11.8s  remaining: 24.3s
326: learn: 0.0774307    total: 11.8s  remaining: 24.3s
327: learn: 0.0772279    total: 11.8s  remaining: 24.2s
328: learn: 0.0770785    total: 11.8s  remaining: 24.1s

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329:	learn: 0.0770588	total: 11.8s	remaining: 24s
330:	learn: 0.0769849	total: 11.8s	remaining: 23.9s
331:	learn: 0.0768289	total: 11.9s	remaining: 23.9s
332:	learn: 0.0767175	total: 11.9s	remaining: 23.8s
333:	learn: 0.0766057	total: 11.9s	remaining: 23.8s
334:	learn: 0.0765298	total: 12s	remaining: 23.7s
335:	learn: 0.0764731	total: 12s	remaining: 23.7s
336:	learn: 0.0763143	total: 12s	remaining: 23.6s
337:	learn: 0.0762930	total: 12s	remaining: 23.6s
338:	learn: 0.0761100	total: 12.1s	remaining: 23.6s
339:	learn: 0.0759644	total: 12.1s	remaining: 23.5s
340:	learn: 0.0758423	total: 12.1s	remaining: 23.5s
341:	learn: 0.0756739	total: 12.2s	remaining: 23.4s
342:	learn: 0.0755640	total: 12.2s	remaining: 23.3s
343:	learn: 0.0753773	total: 12.2s	remaining: 23.2s
344:	learn: 0.0752196	total: 12.2s	remaining: 23.2s
345:	learn: 0.0750817	total: 12.3s	remaining: 23.2s
346:	learn: 0.0750558	total: 12.3s	remaining: 23.1s
347:	learn: 0.0749670	total: 12.3s	remaining: 23.1s
348:	learn: 0.0749413	total: 12.4s	remaining: 23.1s
349:	learn: 0.0748790	total: 12.4s	remaining: 23s
350:	learn: 0.0746956	total: 12.5s	remaining: 23s
351:	learn: 0.0745525	total: 12.5s	remaining: 23s
352:	learn: 0.0743744	total: 12.5s	remaining: 23s
353:	learn: 0.0743540	total: 12.6s	remaining: 23s
354:	learn: 0.0741065	total: 12.6s	remaining: 22.9s
355:	learn: 0.0739900	total: 12.6s	remaining: 22.8s
356:	learn: 0.0739408	total: 12.7s	remaining: 22.8s
357:	learn: 0.0738519	total: 12.7s	remaining: 22.8s
358:	learn: 0.0736856	total: 12.7s	remaining: 22.8s
359:	learn: 0.0735866	total: 12.8s	remaining: 22.7s
360:	learn: 0.0734587	total: 12.8s	remaining: 22.7s
361:	learn: 0.0733470	total: 12.8s	remaining: 22.6s
362:	learn: 0.0731543	total: 12.9s	remaining: 22.6s
363:	learn: 0.0730499	total: 13s	remaining: 22.6s
364:	learn: 0.0729151	total: 13s	remaining: 22.6s
365:	learn: 0.0728928	total: 13s	remaining: 22.5s
366:	learn: 0.0727573	total: 13s	remaining: 22.5s
367:	learn: 0.0726398	total: 13s	remaining: 22.4s
368:	learn: 0.0724876	total: 13.1s	remaining: 22.4s
369:	learn: 0.0723656	total: 13.1s	remaining: 22.3s
370:	learn: 0.0722632	total: 13.1s	remaining: 22.2s
371:	learn: 0.0721927	total: 13.1s	remaining: 22.2s
372:	learn: 0.0721116	total: 13.2s	remaining: 22.1s
373:	learn: 0.0720577	total: 13.2s	remaining: 22.1s
374:	learn: 0.0719101	total: 13.3s	remaining: 22.1s
375:	learn: 0.0717648	total: 13.3s	remaining: 22.1s
376:	learn: 0.0716582	total: 13.3s	remaining: 22s
377:	learn: 0.0715093	total: 13.4s	remaining: 22s
378:	learn: 0.0713681	total: 13.4s	remaining: 22s
379:	learn: 0.0713243	total: 13.4s	remaining: 21.9s
380:	learn: 0.0713052	total: 13.5s	remaining: 21.9s
381:	learn: 0.0711742	total: 13.5s	remaining: 21.9s
382:	learn: 0.0711549	total: 13.6s	remaining: 21.9s
383:	learn: 0.0710347	total: 13.6s	remaining: 21.8s
384:	learn: 0.0709178	total: 13.6s	remaining: 21.8s
385:	learn: 0.0707942	total: 13.7s	remaining: 21.8s
386:	learn: 0.0706989	total: 13.7s	remaining: 21.8s
387:	learn: 0.0706130	total: 13.8s	remaining: 21.8s
388:	learn: 0.0705089	total: 13.8s	remaining: 21.7s
389:	learn: 0.0704315	total: 13.9s	remaining: 21.7s
390:	learn: 0.0703496	total: 13.9s	remaining: 21.6s
391:	learn: 0.0703107	total: 13.9s	remaining: 21.6s
392:	learn: 0.0702297	total: 14s	remaining: 21.7s

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393: learn: 0.0701246    total: 14.1s  remaining: 21.7s
394: learn: 0.0699534    total: 14.1s  remaining: 21.6s
395: learn: 0.0698513    total: 14.2s  remaining: 21.7s
396: learn: 0.0697650    total: 14.2s  remaining: 21.6s
397: learn: 0.0696220    total: 14.3s  remaining: 21.7s
398: learn: 0.0695056    total: 14.4s  remaining: 21.6s
399: learn: 0.0694096    total: 14.4s  remaining: 21.6s
400: learn: 0.0692928    total: 14.5s  remaining: 21.6s
401: learn: 0.0691397    total: 14.6s  remaining: 21.7s
402: learn: 0.0691039    total: 14.6s  remaining: 21.6s
403: learn: 0.0690466    total: 14.7s  remaining: 21.7s
404: learn: 0.0689727    total: 14.7s  remaining: 21.6s
405: learn: 0.0688912    total: 14.8s  remaining: 21.6s
406: learn: 0.0687385    total: 14.8s  remaining: 21.5s
407: learn: 0.0686177    total: 14.9s  remaining: 21.6s
408: learn: 0.0684912    total: 14.9s  remaining: 21.5s
409: learn: 0.0684644    total: 15s   remaining: 21.5s
410: learn: 0.0684475    total: 15s   remaining: 21.5s
411: learn: 0.0683647    total: 15s   remaining: 21.4s
412: learn: 0.0682544    total: 15s   remaining: 21.3s
413: learn: 0.0680674    total: 15s   remaining: 21.3s
414: learn: 0.0679536    total: 15s   remaining: 21.2s
415: learn: 0.0679412    total: 15s   remaining: 21.1s
416: learn: 0.0678195    total: 15s   remaining: 21s
417: learn: 0.0677483    total: 15.1s  remaining: 21s
418: learn: 0.0676900    total: 15.1s  remaining: 20.9s
419: learn: 0.0676740    total: 15.1s  remaining: 20.8s
420: learn: 0.0675515    total: 15.1s  remaining: 20.8s
421: learn: 0.0674609    total: 15.2s  remaining: 20.8s
422: learn: 0.0674170    total: 15.2s  remaining: 20.7s
423: learn: 0.0674016    total: 15.2s  remaining: 20.7s
424: learn: 0.0673250    total: 15.3s  remaining: 20.7s
425: learn: 0.0672560    total: 15.3s  remaining: 20.7s
426: learn: 0.0671818    total: 15.3s  remaining: 20.6s
427: learn: 0.0670705    total: 15.4s  remaining: 20.5s
428: learn: 0.0668950    total: 15.4s  remaining: 20.5s
429: learn: 0.0668496    total: 15.4s  remaining: 20.4s
430: learn: 0.0667687    total: 15.5s  remaining: 20.4s
328: learn: 0.0802245    total: 11.9s  remaining: 24.3s
329: learn: 0.0801250    total: 12s   remaining: 24.3s
330: learn: 0.0800295    total: 12s   remaining: 24.3s
331: learn: 0.0800102    total: 12.1s  remaining: 24.3s
332: learn: 0.0798988    total: 12.2s  remaining: 24.4s
333: learn: 0.0797590    total: 12.2s  remaining: 24.3s
334: learn: 0.0796549    total: 12.2s  remaining: 24.3s
335: learn: 0.0796386    total: 12.2s  remaining: 24.2s
336: learn: 0.0795401    total: 12.2s  remaining: 24.1s
337: learn: 0.0793353    total: 12.3s  remaining: 24s
338: learn: 0.0792339    total: 12.3s  remaining: 23.9s
339: learn: 0.0791039    total: 12.3s  remaining: 23.8s
340: learn: 0.0790851    total: 12.3s  remaining: 23.7s
341: learn: 0.0790098    total: 12.3s  remaining: 23.7s
342: learn: 0.0788950    total: 12.4s  remaining: 23.7s
343: learn: 0.0788157    total: 12.4s  remaining: 23.7s
344: learn: 0.0787001    total: 12.4s  remaining: 23.6s
345: learn: 0.0786685    total: 12.5s  remaining: 23.6s
346: learn: 0.0784842    total: 12.5s  remaining: 23.5s
347: learn: 0.0784529    total: 12.5s  remaining: 23.5s
348: learn: 0.0784279    total: 12.6s  remaining: 23.5s
349: learn: 0.0783066    total: 12.6s  remaining: 23.4s
350: learn: 0.0781657    total: 12.6s  remaining: 23.4s
351: learn: 0.0780405    total: 12.6s  remaining: 23.3s
352: learn: 0.0779276    total: 12.7s  remaining: 23.2s
353: learn: 0.0777646    total: 12.7s  remaining: 23.2s

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354: learn: 0.0776694      total: 12.7s    remaining: 23.1s
355: learn: 0.0776551      total: 12.7s    remaining: 23.1s
356: learn: 0.0775046      total: 12.8s    remaining: 23s
357: learn: 0.0773480      total: 12.8s    remaining: 22.9s
358: learn: 0.0772838      total: 12.8s    remaining: 22.8s
359: learn: 0.0772254      total: 12.8s    remaining: 22.8s
360: learn: 0.0770770      total: 12.8s    remaining: 22.7s
361: learn: 0.0769519      total: 12.8s    remaining: 22.6s
362: learn: 0.0768587      total: 12.9s    remaining: 22.6s
363: learn: 0.0767179      total: 12.9s    remaining: 22.6s
364: learn: 0.0765560      total: 12.9s    remaining: 22.5s
365: learn: 0.0764472      total: 12.9s    remaining: 22.4s
366: learn: 0.0763413      total: 13s      remaining: 22.3s
367: learn: 0.0761841      total: 13s      remaining: 22.3s
368: learn: 0.0759904      total: 13s      remaining: 22.2s
369: learn: 0.0759208      total: 13s      remaining: 22.2s
370: learn: 0.0758011      total: 13.1s   remaining: 22.1s
371: learn: 0.0757330      total: 13.1s   remaining: 22.1s
372: learn: 0.0755717      total: 13.1s   remaining: 22s
373: learn: 0.0755581      total: 13.1s   remaining: 22s
374: learn: 0.0755400      total: 13.2s   remaining: 21.9s
375: learn: 0.0754302      total: 13.2s   remaining: 21.9s
376: learn: 0.0752245      total: 13.2s   remaining: 21.8s
377: learn: 0.0752047      total: 13.2s   remaining: 21.8s
378: learn: 0.0750910      total: 13.2s   remaining: 21.7s
379: learn: 0.0750787      total: 13.3s   remaining: 21.7s
380: learn: 0.0750581      total: 13.3s   remaining: 21.6s
381: learn: 0.0749506      total: 13.3s   remaining: 21.6s
382: learn: 0.0748346      total: 13.4s   remaining: 21.5s
383: learn: 0.0747695      total: 13.4s   remaining: 21.5s
384: learn: 0.0746488      total: 13.4s   remaining: 21.4s
385: learn: 0.0744911      total: 13.5s   remaining: 21.4s
386: learn: 0.0744176      total: 13.5s   remaining: 21.4s
387: learn: 0.0742967      total: 13.6s   remaining: 21.4s
388: learn: 0.0741741      total: 13.6s   remaining: 21.4s
389: learn: 0.0740574      total: 13.6s   remaining: 21.3s
390: learn: 0.0739368      total: 13.7s   remaining: 21.3s
391: learn: 0.0738206      total: 13.7s   remaining: 21.3s
392: learn: 0.0735820      total: 13.8s   remaining: 21.3s
393: learn: 0.0734101      total: 13.8s   remaining: 21.2s
394: learn: 0.0732584      total: 13.8s   remaining: 21.2s
395: learn: 0.0731388      total: 13.8s   remaining: 21.1s
396: learn: 0.0731263      total: 13.8s   remaining: 21s
397: learn: 0.0730438      total: 13.8s   remaining: 20.9s
398: learn: 0.0729243      total: 13.9s   remaining: 20.9s
399: learn: 0.0727328      total: 14s     remaining: 20.9s
400: learn: 0.0726716      total: 14s     remaining: 20.9s
401: learn: 0.0726554      total: 14s     remaining: 20.8s
402: learn: 0.0726432      total: 14s     remaining: 20.7s
403: learn: 0.0726340      total: 14s     remaining: 20.7s
404: learn: 0.0725657      total: 14.1s   remaining: 20.7s
405: learn: 0.0725550      total: 14.2s   remaining: 20.7s
406: learn: 0.0724325      total: 14.2s   remaining: 20.7s
407: learn: 0.0724160      total: 14.2s   remaining: 20.6s
408: learn: 0.0721962      total: 14.2s   remaining: 20.6s
409: learn: 0.0721859      total: 14.3s   remaining: 20.5s
410: learn: 0.0720191      total: 14.3s   remaining: 20.4s
411: learn: 0.0718822      total: 14.3s   remaining: 20.4s
412: learn: 0.0717517      total: 14.3s   remaining: 20.3s
413: learn: 0.0717366      total: 14.3s   remaining: 20.3s
414: learn: 0.0716637      total: 14.4s   remaining: 20.3s
415: learn: 0.0715175      total: 14.4s   remaining: 20.2s
416: learn: 0.0714217      total: 14.5s   remaining: 20.3s
417: learn: 0.0712727      total: 14.6s   remaining: 20.3s

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418: learn: 0.0711720    total: 14.6s  remaining: 20.3s
419: learn: 0.0711615    total: 14.7s  remaining: 20.3s
420: learn: 0.0710253    total: 14.7s  remaining: 20.2s
421: learn: 0.0709365    total: 14.7s  remaining: 20.1s
422: learn: 0.0708114    total: 14.7s  remaining: 20.1s
423: learn: 0.0706750    total: 14.7s  remaining: 20s
424: learn: 0.0705581    total: 14.8s  remaining: 20s
425: learn: 0.0705244    total: 14.8s  remaining: 20s
426: learn: 0.0703760    total: 14.8s  remaining: 19.9s
427: learn: 0.0702881    total: 14.9s  remaining: 19.9s
428: learn: 0.0701685    total: 14.9s  remaining: 19.8s
429: learn: 0.0701605    total: 14.9s  remaining: 19.8s
430: learn: 0.0700639    total: 15s    remaining: 19.8s
431: learn: 0.0699697    total: 15s    remaining: 19.8s
432: learn: 0.0699599    total: 15.1s   remaining: 19.7s
433: learn: 0.0698673    total: 15.1s   remaining: 19.7s
434: learn: 0.0697767    total: 15.2s   remaining: 19.7s
435: learn: 0.0697668    total: 15.3s   remaining: 19.8s
436: learn: 0.0696739    total: 15.3s   remaining: 19.7s
437: learn: 0.0695776    total: 15.3s   remaining: 19.7s
438: learn: 0.0695651    total: 15.4s   remaining: 19.7s
439: learn: 0.0694814    total: 15.5s   remaining: 19.7s
440: learn: 0.0694696    total: 15.5s   remaining: 19.6s
441: learn: 0.0694579    total: 15.6s   remaining: 19.6s
442: learn: 0.0692968    total: 15.6s   remaining: 19.6s
443: learn: 0.0691996    total: 15.6s   remaining: 19.5s
444: learn: 0.0691659    total: 15.7s   remaining: 19.5s
445: learn: 0.0690557    total: 15.7s   remaining: 19.5s
446: learn: 0.0689592    total: 15.7s   remaining: 19.5s
447: learn: 0.0688858    total: 15.8s   remaining: 19.4s
448: learn: 0.0688627    total: 15.8s   remaining: 19.4s
449: learn: 0.0687661    total: 15.8s   remaining: 19.4s
450: learn: 0.0685968    total: 15.9s   remaining: 19.3s
451: learn: 0.0684605    total: 16s    remaining: 19.4s
452: learn: 0.0682444    total: 16s    remaining: 19.3s
453: learn: 0.0681143    total: 16s    remaining: 19.3s
454: learn: 0.0679726    total: 16.1s   remaining: 19.2s
455: learn: 0.0678320    total: 16.1s   remaining: 19.2s
456: learn: 0.0677660    total: 16.1s   remaining: 19.2s
457: learn: 0.0677543    total: 16.2s   remaining: 19.1s
458: learn: 0.0676644    total: 16.2s   remaining: 19.1s
459: learn: 0.0674580    total: 16.2s   remaining: 19s
460: learn: 0.0673781    total: 16.3s   remaining: 19s
461: learn: 0.0673322    total: 16.3s   remaining: 19s
462: learn: 0.0672365    total: 16.3s   remaining: 18.9s
463: learn: 0.0671336    total: 16.3s   remaining: 18.9s
464: learn: 0.0670760    total: 16.4s   remaining: 18.8s
465: learn: 0.0669123    total: 16.4s   remaining: 18.8s
466: learn: 0.0669050    total: 16.4s   remaining: 18.8s
467: learn: 0.0667821    total: 16.5s   remaining: 18.7s
468: learn: 0.0666811    total: 16.5s   remaining: 18.7s
469: learn: 0.0665021    total: 16.5s   remaining: 18.6s
470: learn: 0.0664152    total: 16.5s   remaining: 18.5s
471: learn: 0.0663768    total: 16.6s   remaining: 18.5s
472: learn: 0.0662493    total: 16.6s   remaining: 18.5s
473: learn: 0.0660734    total: 16.6s   remaining: 18.5s
474: learn: 0.0659686    total: 16.7s   remaining: 18.4s
475: learn: 0.0658126    total: 16.7s   remaining: 18.4s
476: learn: 0.0656425    total: 16.8s   remaining: 18.4s
477: learn: 0.0655555    total: 16.8s   remaining: 18.3s
478: learn: 0.0654031    total: 16.8s   remaining: 18.2s
479: learn: 0.0653137    total: 16.8s   remaining: 18.2s
480: learn: 0.0651304    total: 16.8s   remaining: 18.2s
481: learn: 0.0651239    total: 16.8s   remaining: 18.1s

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482: learn: 0.0650336    total: 16.9s  remaining: 18.1s
483: learn: 0.0649212    total: 16.9s  remaining: 18s
484: learn: 0.0648329    total: 16.9s  remaining: 18s
485: learn: 0.0647522    total: 17s   remaining: 18s
330: learn: 0.0740824    total: 12.5s  remaining: 25.2s
331: learn: 0.0740029    total: 12.5s  remaining: 25.2s
332: learn: 0.0739104    total: 12.6s  remaining: 25.2s
333: learn: 0.0738742    total: 12.6s  remaining: 25.1s
334: learn: 0.0738208    total: 12.6s  remaining: 25.1s
335: learn: 0.0736400    total: 12.6s  remaining: 25s
336: learn: 0.0734394    total: 12.7s  remaining: 24.9s
337: learn: 0.0733795    total: 12.7s  remaining: 24.8s
338: learn: 0.0733552    total: 12.7s  remaining: 24.8s
339: learn: 0.0731876    total: 12.7s  remaining: 24.7s
340: learn: 0.0731697    total: 12.7s  remaining: 24.6s
341: learn: 0.0730237    total: 12.8s  remaining: 24.6s
342: learn: 0.0728894    total: 12.8s  remaining: 24.6s
343: learn: 0.0727716    total: 12.9s  remaining: 24.6s
344: learn: 0.0726788    total: 12.9s  remaining: 24.5s
345: learn: 0.0725169    total: 12.9s  remaining: 24.4s
346: learn: 0.0724155    total: 13s   remaining: 24.5s
347: learn: 0.0722904    total: 13s   remaining: 24.4s
348: learn: 0.0722146    total: 13.1s  remaining: 24.3s
349: learn: 0.0721366    total: 13.1s  remaining: 24.3s
350: learn: 0.0720444    total: 13.1s  remaining: 24.2s
351: learn: 0.0719221    total: 13.1s  remaining: 24.2s
352: learn: 0.0718742    total: 13.2s  remaining: 24.1s
353: learn: 0.0718026    total: 13.2s  remaining: 24.1s
354: learn: 0.0716451    total: 13.2s  remaining: 24s
355: learn: 0.0714850    total: 13.3s  remaining: 24.1s
356: learn: 0.0713871    total: 13.3s  remaining: 24s
357: learn: 0.0713094    total: 13.3s  remaining: 23.9s
358: learn: 0.0711140    total: 13.3s  remaining: 23.8s
359: learn: 0.0710276    total: 13.4s  remaining: 23.8s
360: learn: 0.0709609    total: 13.4s  remaining: 23.7s
361: learn: 0.0707863    total: 13.4s  remaining: 23.7s
362: learn: 0.0706637    total: 13.5s  remaining: 23.7s
363: learn: 0.0705039    total: 13.5s  remaining: 23.7s
364: learn: 0.0703231    total: 13.6s  remaining: 23.6s
365: learn: 0.0702513    total: 13.6s  remaining: 23.6s
366: learn: 0.0701327    total: 13.7s  remaining: 23.6s
367: learn: 0.0700357    total: 13.7s  remaining: 23.6s
368: learn: 0.0699552    total: 13.7s  remaining: 23.5s
369: learn: 0.0698476    total: 13.8s  remaining: 23.5s
370: learn: 0.0697839    total: 13.9s  remaining: 23.5s
371: learn: 0.0696119    total: 13.9s  remaining: 23.5s
372: learn: 0.0694230    total: 13.9s  remaining: 23.4s
373: learn: 0.0693703    total: 14s   remaining: 23.4s
374: learn: 0.0692033    total: 14s   remaining: 23.4s
375: learn: 0.0690388    total: 14s   remaining: 23.3s
376: learn: 0.0689552    total: 14s   remaining: 23.2s
377: learn: 0.0687861    total: 14.1s  remaining: 23.2s
378: learn: 0.0687211    total: 14.2s  remaining: 23.2s
379: learn: 0.0686016    total: 14.2s  remaining: 23.2s
380: learn: 0.0683993    total: 14.2s  remaining: 23.1s
381: learn: 0.0682576    total: 14.2s  remaining: 23s
382: learn: 0.0680809    total: 14.3s  remaining: 23.1s
383: learn: 0.0679745    total: 14.3s  remaining: 23s
384: learn: 0.0677776    total: 14.4s  remaining: 23s
385: learn: 0.0676132    total: 14.4s  remaining: 23s
386: learn: 0.0675336    total: 14.5s  remaining: 22.9s
387: learn: 0.0674126    total: 14.6s  remaining: 23s
388: learn: 0.0673379    total: 14.6s  remaining: 22.9s
389: learn: 0.0672422    total: 14.6s  remaining: 22.9s

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390: learn: 0.0671257    total: 14.7s  remaining: 22.8s
391: learn: 0.0670257    total: 14.7s  remaining: 22.8s
392: learn: 0.0669764    total: 14.8s  remaining: 22.8s
393: learn: 0.0669542    total: 14.8s  remaining: 22.7s
394: learn: 0.0668288    total: 14.8s  remaining: 22.7s
395: learn: 0.0668142    total: 14.8s  remaining: 22.6s
396: learn: 0.0667788    total: 14.9s  remaining: 22.6s
397: learn: 0.0666500    total: 15s    remaining: 22.6s
398: learn: 0.0665890    total: 15s    remaining: 22.6s
399: learn: 0.0664182    total: 15s    remaining: 22.6s
400: learn: 0.0662744    total: 15.1s  remaining: 22.5s
401: learn: 0.0661583    total: 15.1s  remaining: 22.4s
402: learn: 0.0660376    total: 15.1s  remaining: 22.4s
403: learn: 0.0659793    total: 15.2s  remaining: 22.4s
404: learn: 0.0658167    total: 15.2s  remaining: 22.4s
405: learn: 0.0657333    total: 15.3s  remaining: 22.4s
406: learn: 0.0656233    total: 15.3s  remaining: 22.3s
407: learn: 0.0655141    total: 15.3s  remaining: 22.3s
408: learn: 0.0655004    total: 15.4s  remaining: 22.2s
409: learn: 0.0654864    total: 15.4s  remaining: 22.1s
410: learn: 0.0654715    total: 15.4s  remaining: 22.1s
411: learn: 0.0654574    total: 15.4s  remaining: 22s
412: learn: 0.0654444    total: 15.4s  remaining: 21.9s
413: learn: 0.0653297    total: 15.4s  remaining: 21.9s
414: learn: 0.0651836    total: 15.5s  remaining: 21.8s
415: learn: 0.0650557    total: 15.5s  remaining: 21.8s
416: learn: 0.0649568    total: 15.5s  remaining: 21.7s
417: learn: 0.0648795    total: 15.6s  remaining: 21.7s
418: learn: 0.0647730    total: 15.6s  remaining: 21.7s
419: learn: 0.0646398    total: 15.6s  remaining: 21.6s
420: learn: 0.0645465    total: 15.7s  remaining: 21.5s
421: learn: 0.0645299    total: 15.7s  remaining: 21.4s
422: learn: 0.0644810    total: 15.7s  remaining: 21.4s
423: learn: 0.0643634    total: 15.7s  remaining: 21.3s
424: learn: 0.0642733    total: 15.7s  remaining: 21.3s
425: learn: 0.0641819    total: 15.8s  remaining: 21.2s
426: learn: 0.0640233    total: 15.8s  remaining: 21.2s
427: learn: 0.0639764    total: 15.8s  remaining: 21.2s
428: learn: 0.0639662    total: 15.9s  remaining: 21.1s
429: learn: 0.0638709    total: 15.9s  remaining: 21.1s
430: learn: 0.0637693    total: 16s    remaining: 21.1s
431: learn: 0.0636335    total: 16s    remaining: 21s
432: learn: 0.0635348    total: 16s    remaining: 21s
433: learn: 0.0633799    total: 16s    remaining: 20.9s
434: learn: 0.0633058    total: 16.1s  remaining: 20.9s
435: learn: 0.0631788    total: 16.1s  remaining: 20.8s
436: learn: 0.0631287    total: 16.1s  remaining: 20.8s
437: learn: 0.0630695    total: 16.1s  remaining: 20.7s
438: learn: 0.0629380    total: 16.2s  remaining: 20.7s
439: learn: 0.0628311    total: 16.2s  remaining: 20.6s
440: learn: 0.0627988    total: 16.2s  remaining: 20.6s
441: learn: 0.0626796    total: 16.3s  remaining: 20.5s
442: learn: 0.0626678    total: 16.3s  remaining: 20.5s
443: learn: 0.0625611    total: 16.3s  remaining: 20.4s
444: learn: 0.0624303    total: 16.3s  remaining: 20.4s
445: learn: 0.0623011    total: 16.4s  remaining: 20.3s
446: learn: 0.0622906    total: 16.4s  remaining: 20.3s
447: learn: 0.0622378    total: 16.5s  remaining: 20.3s
448: learn: 0.0620857    total: 16.6s  remaining: 20.4s
449: learn: 0.0619931    total: 16.6s  remaining: 20.3s
450: learn: 0.0619788    total: 16.7s  remaining: 20.3s
451: learn: 0.0618658    total: 16.7s  remaining: 20.2s
452: learn: 0.0617651    total: 16.7s  remaining: 20.2s
453: learn: 0.0616732    total: 16.7s  remaining: 20.1s

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454: learn: 0.0615780    total: 16.7s  remaining: 20s
455: learn: 0.0614627    total: 16.8s  remaining: 20s
456: learn: 0.0613125    total: 16.8s  remaining: 19.9s
457: learn: 0.0612523    total: 16.8s  remaining: 19.9s
458: learn: 0.0611153    total: 16.8s  remaining: 19.8s
459: learn: 0.0611055    total: 16.8s  remaining: 19.8s
460: learn: 0.0609861    total: 16.9s  remaining: 19.7s
461: learn: 0.0609006    total: 16.9s  remaining: 19.7s
462: learn: 0.0608902    total: 16.9s  remaining: 19.6s
463: learn: 0.0608792    total: 16.9s  remaining: 19.6s
464: learn: 0.0607620    total: 16.9s  remaining: 19.5s
465: learn: 0.0606329    total: 17s   remaining: 19.5s
466: learn: 0.0605414    total: 17s   remaining: 19.4s
467: learn: 0.0605343    total: 17s   remaining: 19.3s
468: learn: 0.0604758    total: 17.1s  remaining: 19.3s
469: learn: 0.0603621    total: 17.1s  remaining: 19.2s
470: learn: 0.0603524    total: 17.1s  remaining: 19.2s
471: learn: 0.0602550    total: 17.1s  remaining: 19.1s
472: learn: 0.0602454    total: 17.2s  remaining: 19.1s
473: learn: 0.0601101    total: 17.2s  remaining: 19.1s
474: learn: 0.0600225    total: 17.2s  remaining: 19s
475: learn: 0.0599384    total: 17.2s  remaining: 19s
476: learn: 0.0598121    total: 17.3s  remaining: 18.9s
477: learn: 0.0598019    total: 17.3s  remaining: 18.9s
478: learn: 0.0597515    total: 17.3s  remaining: 18.8s
479: learn: 0.0597381    total: 17.4s  remaining: 18.8s
480: learn: 0.0596151    total: 17.4s  remaining: 18.7s
481: learn: 0.0595486    total: 17.4s  remaining: 18.7s
482: learn: 0.0594439    total: 17.4s  remaining: 18.7s
483: learn: 0.0593506    total: 17.4s  remaining: 18.6s
484: learn: 0.0592410    total: 17.4s  remaining: 18.5s
485: learn: 0.0590927    total: 17.5s  remaining: 18.5s
486: learn: 0.0589836    total: 17.5s  remaining: 18.4s
487: learn: 0.0588920    total: 17.5s  remaining: 18.4s
489: learn: 0.0568416    total: 15.5s  remaining: 16.2s
490: learn: 0.0568362    total: 15.6s  remaining: 16.1s
491: learn: 0.0567470    total: 15.6s  remaining: 16.1s
492: learn: 0.0566502    total: 15.6s  remaining: 16.1s
493: learn: 0.0565392    total: 15.7s  remaining: 16.1s
494: learn: 0.0564251    total: 15.7s  remaining: 16s
495: learn: 0.0563236    total: 15.7s  remaining: 16s
496: learn: 0.0563130    total: 15.8s  remaining: 16s
497: learn: 0.0561690    total: 15.8s  remaining: 15.9s
498: learn: 0.0561047    total: 15.8s  remaining: 15.9s
499: learn: 0.0560022    total: 15.9s  remaining: 15.9s
500: learn: 0.0559440    total: 15.9s  remaining: 15.8s
501: learn: 0.0558468    total: 15.9s  remaining: 15.8s
502: learn: 0.0557942    total: 15.9s  remaining: 15.8s
503: learn: 0.0557468    total: 16s   remaining: 15.8s
504: learn: 0.0557051    total: 16.1s  remaining: 15.7s
505: learn: 0.0555863    total: 16.1s  remaining: 15.7s
506: learn: 0.0554467    total: 16.1s  remaining: 15.6s
507: learn: 0.0554228    total: 16.1s  remaining: 15.6s
508: learn: 0.0553132    total: 16.2s  remaining: 15.6s
509: learn: 0.0551971    total: 16.2s  remaining: 15.6s
510: learn: 0.0551205    total: 16.3s  remaining: 15.6s
511: learn: 0.0550058    total: 16.3s  remaining: 15.5s
512: learn: 0.0549790    total: 16.4s  remaining: 15.6s
513: learn: 0.0548691    total: 16.5s  remaining: 15.6s
514: learn: 0.0547783    total: 16.5s  remaining: 15.5s
515: learn: 0.0546726    total: 16.5s  remaining: 15.5s
516: learn: 0.0546157    total: 16.6s  remaining: 15.5s
517: learn: 0.0544907    total: 16.6s  remaining: 15.5s
518: learn: 0.0544308    total: 16.7s  remaining: 15.4s

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519: learn: 0.0543959   total: 16.7s   remaining: 15.4s
520: learn: 0.0542313   total: 16.7s   remaining: 15.4s
521: learn: 0.0541547   total: 16.9s   remaining: 15.4s
522: learn: 0.0540625   total: 16.9s   remaining: 15.4s
523: learn: 0.0539235   total: 16.9s   remaining: 15.4s
524: learn: 0.0539135   total: 17s     remaining: 15.4s
525: learn: 0.0537794   total: 17.1s   remaining: 15.4s
526: learn: 0.0537144   total: 17.2s   remaining: 15.4s
527: learn: 0.0535798   total: 17.2s   remaining: 15.4s
528: learn: 0.0535082   total: 17.2s   remaining: 15.3s
529: learn: 0.0533738   total: 17.2s   remaining: 15.3s
530: learn: 0.0532683   total: 17.3s   remaining: 15.2s
531: learn: 0.0531990   total: 17.3s   remaining: 15.2s
532: learn: 0.0531756   total: 17.3s   remaining: 15.1s
533: learn: 0.0530689   total: 17.3s   remaining: 15.1s
534: learn: 0.0529589   total: 17.3s   remaining: 15.1s
535: learn: 0.0528860   total: 17.4s   remaining: 15s
536: learn: 0.0528057   total: 17.4s   remaining: 15s
537: learn: 0.0527369   total: 17.4s   remaining: 15s
538: learn: 0.0526505   total: 17.5s   remaining: 15s
539: learn: 0.0525507   total: 17.5s   remaining: 14.9s
540: learn: 0.0525308   total: 17.5s   remaining: 14.9s
541: learn: 0.0523802   total: 17.6s   remaining: 14.9s
542: learn: 0.0522782   total: 17.6s   remaining: 14.8s
543: learn: 0.0522105   total: 17.7s   remaining: 14.8s
544: learn: 0.0520801   total: 17.7s   remaining: 14.8s
545: learn: 0.0519975   total: 17.8s   remaining: 14.8s
546: learn: 0.0519428   total: 17.8s   remaining: 14.8s
547: learn: 0.0518518   total: 17.8s   remaining: 14.7s
548: learn: 0.0517545   total: 17.9s   remaining: 14.7s
549: learn: 0.0516994   total: 17.9s   remaining: 14.6s
550: learn: 0.0516044   total: 17.9s   remaining: 14.6s
551: learn: 0.0514999   total: 18s     remaining: 14.6s
552: learn: 0.0514118   total: 18s     remaining: 14.5s
553: learn: 0.0513449   total: 18s     remaining: 14.5s
554: learn: 0.0512382   total: 18s     remaining: 14.5s
555: learn: 0.0512011   total: 18.1s   remaining: 14.4s
556: learn: 0.0511221   total: 18.1s   remaining: 14.4s
557: learn: 0.0510332   total: 18.2s   remaining: 14.4s
558: learn: 0.0509511   total: 18.2s   remaining: 14.4s
559: learn: 0.0508539   total: 18.3s   remaining: 14.4s
560: learn: 0.0507239   total: 18.3s   remaining: 14.3s
561: learn: 0.0506609   total: 18.3s   remaining: 14.3s
562: learn: 0.0506568   total: 18.4s   remaining: 14.3s
563: learn: 0.0505520   total: 18.4s   remaining: 14.2s
564: learn: 0.0504696   total: 18.5s   remaining: 14.2s
565: learn: 0.0503684   total: 18.5s   remaining: 14.2s
566: learn: 0.0503618   total: 18.5s   remaining: 14.1s
567: learn: 0.0502280   total: 18.6s   remaining: 14.1s
568: learn: 0.0501990   total: 18.6s   remaining: 14.1s
569: learn: 0.0501428   total: 18.6s   remaining: 14s
570: learn: 0.0501015   total: 18.6s   remaining: 14s
571: learn: 0.0500393   total: 18.7s   remaining: 14s
572: learn: 0.0499504   total: 18.8s   remaining: 14s
573: learn: 0.0498423   total: 18.8s   remaining: 13.9s
574: learn: 0.0497800   total: 18.8s   remaining: 13.9s
575: learn: 0.0497601   total: 18.8s   remaining: 13.8s
576: learn: 0.0496518   total: 18.9s   remaining: 13.9s
577: learn: 0.0495651   total: 18.9s   remaining: 13.8s
578: learn: 0.0495563   total: 18.9s   remaining: 13.8s
579: learn: 0.0495171   total: 19s     remaining: 13.7s
580: learn: 0.0494159   total: 19.1s   remaining: 13.8s
581: learn: 0.0492982   total: 19.1s   remaining: 13.7s
582: learn: 0.0491954   total: 19.1s   remaining: 13.7s

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583: learn: 0.0490915      total: 19.1s  remaining: 13.6s
584: learn: 0.0490711      total: 19.2s  remaining: 13.6s
585: learn: 0.0489853      total: 19.2s  remaining: 13.6s
586: learn: 0.0489138      total: 19.3s  remaining: 13.5s
587: learn: 0.0488400      total: 19.3s  remaining: 13.5s
588: learn: 0.0487726      total: 19.3s  remaining: 13.5s
589: learn: 0.0487134      total: 19.3s  remaining: 13.4s
590: learn: 0.0485891      total: 19.3s  remaining: 13.4s
591: learn: 0.0485716      total: 19.3s  remaining: 13.3s
592: learn: 0.0485113      total: 19.4s  remaining: 13.3s
593: learn: 0.0484817      total: 19.4s  remaining: 13.3s
594: learn: 0.0483835      total: 19.5s  remaining: 13.2s
595: learn: 0.0483028      total: 19.5s  remaining: 13.2s
596: learn: 0.0482618      total: 19.5s  remaining: 13.2s
597: learn: 0.0482405      total: 19.6s  remaining: 13.2s
598: learn: 0.0481697      total: 19.7s  remaining: 13.2s
599: learn: 0.0481168      total: 19.7s  remaining: 13.1s
600: learn: 0.0480619      total: 19.7s  remaining: 13.1s
601: learn: 0.0479756      total: 19.7s  remaining: 13s
602: learn: 0.0478896      total: 19.7s  remaining: 13s
603: learn: 0.0478372      total: 19.8s  remaining: 13s
604: learn: 0.0477627      total: 19.8s  remaining: 12.9s
605: learn: 0.0476855      total: 19.9s  remaining: 12.9s
606: learn: 0.0476067      total: 20s    remaining: 12.9s
607: learn: 0.0475129      total: 20s    remaining: 12.9s
608: learn: 0.0474031      total: 20s    remaining: 12.8s
609: learn: 0.0473114      total: 20s    remaining: 12.8s
610: learn: 0.0472567      total: 20.1s  remaining: 12.8s
611: learn: 0.0471693      total: 20.1s  remaining: 12.7s
612: learn: 0.0471568      total: 20.1s  remaining: 12.7s
613: learn: 0.0470500      total: 20.1s  remaining: 12.7s
614: learn: 0.0470358      total: 20.1s  remaining: 12.6s
615: learn: 0.0469505      total: 20.1s  remaining: 12.6s
616: learn: 0.0468464      total: 20.1s  remaining: 12.5s
617: learn: 0.0467848      total: 20.2s  remaining: 12.5s
618: learn: 0.0467556      total: 20.2s  remaining: 12.4s
619: learn: 0.0466946      total: 20.2s  remaining: 12.4s
620: learn: 0.0465762      total: 20.2s  remaining: 12.3s
621: learn: 0.0464849      total: 20.3s  remaining: 12.3s
622: learn: 0.0464112      total: 20.3s  remaining: 12.3s
623: learn: 0.0463179      total: 20.4s  remaining: 12.3s
624: learn: 0.0462306      total: 20.4s  remaining: 12.3s
625: learn: 0.0461867      total: 20.4s  remaining: 12.2s
626: learn: 0.0461272      total: 20.5s  remaining: 12.2s
627: learn: 0.0460980      total: 20.5s  remaining: 12.1s
628: learn: 0.0459905      total: 20.5s  remaining: 12.1s
629: learn: 0.0459480      total: 20.6s  remaining: 12.1s
630: learn: 0.0459151      total: 20.6s  remaining: 12.1s
631: learn: 0.0458768      total: 20.7s  remaining: 12s
632: learn: 0.0458158      total: 20.7s  remaining: 12s
633: learn: 0.0457461      total: 20.8s  remaining: 12s
634: learn: 0.0456482      total: 20.8s  remaining: 12s
635: learn: 0.0455655      total: 20.9s  remaining: 11.9s
636: learn: 0.0454925      total: 20.9s  remaining: 11.9s
637: learn: 0.0454171      total: 20.9s  remaining: 11.9s
638: learn: 0.0453383      total: 21s    remaining: 11.9s
639: learn: 0.0452964      total: 21s    remaining: 11.8s
640: learn: 0.0452753      total: 21.1s  remaining: 11.8s
641: learn: 0.0452300      total: 21.1s  remaining: 11.8s
642: learn: 0.0451451      total: 21.1s  remaining: 11.7s
643: learn: 0.0450425      total: 21.2s  remaining: 11.7s
644: learn: 0.0449508      total: 21.2s  remaining: 11.7s
645: learn: 0.0449425      total: 21.2s  remaining: 11.6s
646: learn: 0.0449106      total: 21.2s  remaining: 11.6s

```

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431: learn: 0.0666454 total: 15.5s remaining: 20.3s
432: learn: 0.0665487 total: 15.5s remaining: 20.4s
433: learn: 0.0664981 total: 15.5s remaining: 20.3s
434: learn: 0.0664355 total: 15.6s remaining: 20.2s
435: learn: 0.0663377 total: 15.6s remaining: 20.1s
436: learn: 0.0661915 total: 15.6s remaining: 20.2s
437: learn: 0.0661499 total: 15.7s remaining: 20.1s
438: learn: 0.0661270 total: 15.7s remaining: 20s
439: learn: 0.0660103 total: 15.7s remaining: 20s
440: learn: 0.0658620 total: 15.7s remaining: 20s
441: learn: 0.0657343 total: 15.8s remaining: 19.9s
442: learn: 0.0655712 total: 15.8s remaining: 19.9s
443: learn: 0.0654757 total: 15.8s remaining: 19.8s
444: learn: 0.0652582 total: 15.8s remaining: 19.8s
445: learn: 0.0651438 total: 15.9s remaining: 19.7s
446: learn: 0.0650682 total: 15.9s remaining: 19.7s
447: learn: 0.0650545 total: 15.9s remaining: 19.6s
448: learn: 0.0649127 total: 16s remaining: 19.6s
449: learn: 0.0648247 total: 16s remaining: 19.6s
450: learn: 0.0647101 total: 16s remaining: 19.5s
451: learn: 0.0645165 total: 16.1s remaining: 19.5s
452: learn: 0.0644485 total: 16.1s remaining: 19.4s
453: learn: 0.0643457 total: 16.1s remaining: 19.4s
454: learn: 0.0642670 total: 16.1s remaining: 19.3s
455: learn: 0.0642083 total: 16.1s remaining: 19.2s
456: learn: 0.0641858 total: 16.2s remaining: 19.2s
457: learn: 0.0640975 total: 16.2s remaining: 19.2s
458: learn: 0.0639793 total: 16.3s remaining: 19.2s
459: learn: 0.0637724 total: 16.3s remaining: 19.1s
460: learn: 0.0636320 total: 16.3s remaining: 19.1s
461: learn: 0.0635115 total: 16.4s remaining: 19s
462: learn: 0.0635014 total: 16.4s remaining: 19s
463: learn: 0.0633763 total: 16.4s remaining: 19s
464: learn: 0.0632713 total: 16.4s remaining: 18.9s
465: learn: 0.0631317 total: 16.5s remaining: 18.9s
466: learn: 0.0630762 total: 16.5s remaining: 18.9s
467: learn: 0.0630156 total: 16.6s remaining: 18.9s
468: learn: 0.0629733 total: 16.6s remaining: 18.8s
469: learn: 0.0629217 total: 16.6s remaining: 18.8s
470: learn: 0.0628408 total: 16.6s remaining: 18.7s
471: learn: 0.0627622 total: 16.7s remaining: 18.7s
472: learn: 0.0626657 total: 16.7s remaining: 18.6s
473: learn: 0.0625013 total: 16.7s remaining: 18.6s
474: learn: 0.0623552 total: 16.8s remaining: 18.5s
475: learn: 0.0622009 total: 16.8s remaining: 18.5s
476: learn: 0.0620982 total: 16.8s remaining: 18.5s
477: learn: 0.0620609 total: 16.8s remaining: 18.4s
478: learn: 0.0620112 total: 16.9s remaining: 18.3s
479: learn: 0.0619252 total: 16.9s remaining: 18.3s
480: learn: 0.0617759 total: 16.9s remaining: 18.2s
481: learn: 0.0617325 total: 16.9s remaining: 18.2s
482: learn: 0.0616328 total: 16.9s remaining: 18.1s
483: learn: 0.0615640 total: 16.9s remaining: 18s
484: learn: 0.0615057 total: 16.9s remaining: 18s
485: learn: 0.0614416 total: 17s remaining: 17.9s
486: learn: 0.0612633 total: 17s remaining: 17.9s
487: learn: 0.0612479 total: 17s remaining: 17.8s
488: learn: 0.0612350 total: 17s remaining: 17.8s
489: learn: 0.0611307 total: 17.1s remaining: 17.8s
490: learn: 0.0610213 total: 17.1s remaining: 17.7s
491: learn: 0.0609114 total: 17.1s remaining: 17.6s
492: learn: 0.0608305 total: 17.1s remaining: 17.6s
493: learn: 0.0607326 total: 17.1s remaining: 17.5s
494: learn: 0.0606448 total: 17.1s remaining: 17.5s

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495: learn: 0.0606317    total: 17.1s  remaining: 17.4s
496: learn: 0.0606034    total: 17.2s  remaining: 17.4s
497: learn: 0.0605856    total: 17.2s  remaining: 17.4s
498: learn: 0.0604394    total: 17.2s  remaining: 17.3s
499: learn: 0.0604064    total: 17.3s  remaining: 17.3s
500: learn: 0.0602834    total: 17.3s  remaining: 17.3s
501: learn: 0.0601881    total: 17.4s  remaining: 17.2s
502: learn: 0.0600387    total: 17.4s  remaining: 17.2s
503: learn: 0.0600198    total: 17.4s  remaining: 17.1s
504: learn: 0.0598749    total: 17.4s  remaining: 17.1s
505: learn: 0.0598178    total: 17.4s  remaining: 17s
506: learn: 0.0598073    total: 17.5s  remaining: 17s
507: learn: 0.0597258    total: 17.6s  remaining: 17s
508: learn: 0.0596460    total: 17.6s  remaining: 17s
509: learn: 0.0595540    total: 17.7s  remaining: 17s
510: learn: 0.0593960    total: 17.7s  remaining: 17s
511: learn: 0.0593296    total: 17.7s  remaining: 16.9s
512: learn: 0.0592919    total: 17.8s  remaining: 16.9s
513: learn: 0.0591653    total: 17.8s  remaining: 16.9s
514: learn: 0.0589962    total: 17.9s  remaining: 16.9s
515: learn: 0.0588839    total: 17.9s  remaining: 16.8s
516: learn: 0.0587674    total: 17.9s  remaining: 16.8s
517: learn: 0.0586491    total: 18.1s  remaining: 16.8s
518: learn: 0.0586218    total: 18.1s  remaining: 16.8s
519: learn: 0.0585216    total: 18.2s  remaining: 16.8s
520: learn: 0.0583683    total: 18.2s  remaining: 16.7s
521: learn: 0.0582629    total: 18.2s  remaining: 16.6s
522: learn: 0.0581371    total: 18.2s  remaining: 16.6s
523: learn: 0.0581042    total: 18.3s  remaining: 16.6s
524: learn: 0.0580035    total: 18.3s  remaining: 16.6s
525: learn: 0.0578506    total: 18.3s  remaining: 16.5s
526: learn: 0.0577785    total: 18.3s  remaining: 16.5s
527: learn: 0.0577128    total: 18.4s  remaining: 16.4s
528: learn: 0.0576396    total: 18.4s  remaining: 16.4s
529: learn: 0.0575242    total: 18.4s  remaining: 16.4s
530: learn: 0.0574151    total: 18.5s  remaining: 16.3s
531: learn: 0.0573363    total: 18.5s  remaining: 16.3s
532: learn: 0.0571887    total: 18.6s  remaining: 16.3s
533: learn: 0.0571068    total: 18.6s  remaining: 16.2s
534: learn: 0.0569680    total: 18.6s  remaining: 16.2s
535: learn: 0.0569448    total: 18.6s  remaining: 16.1s
536: learn: 0.0569165    total: 18.6s  remaining: 16s
537: learn: 0.0568083    total: 18.6s  remaining: 16s
538: learn: 0.0567012    total: 18.6s  remaining: 15.9s
539: learn: 0.0566345    total: 18.7s  remaining: 15.9s
540: learn: 0.0565154    total: 18.7s  remaining: 15.9s
541: learn: 0.0564795    total: 18.7s  remaining: 15.8s
542: learn: 0.0563309    total: 18.8s  remaining: 15.8s
543: learn: 0.0562262    total: 18.8s  remaining: 15.8s
544: learn: 0.0562048    total: 18.8s  remaining: 15.7s
545: learn: 0.0561407    total: 18.9s  remaining: 15.7s
546: learn: 0.0560491    total: 18.9s  remaining: 15.6s
547: learn: 0.0559603    total: 18.9s  remaining: 15.6s
548: learn: 0.0559304    total: 19s   remaining: 15.6s
549: learn: 0.0558171    total: 19s   remaining: 15.6s
550: learn: 0.0557802    total: 19s   remaining: 15.5s
551: learn: 0.0557465    total: 19.1s  remaining: 15.5s
552: learn: 0.0556212    total: 19.1s  remaining: 15.4s
553: learn: 0.0555489    total: 19.1s  remaining: 15.4s
554: learn: 0.0554468    total: 19.1s  remaining: 15.3s
555: learn: 0.0553542    total: 19.2s  remaining: 15.3s
556: learn: 0.0552578    total: 19.2s  remaining: 15.3s
557: learn: 0.0551216    total: 19.3s  remaining: 15.2s
558: learn: 0.0550528    total: 19.3s  remaining: 15.2s

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559:	learn: 0.0549778	total: 19.3s	remaining: 15.2s
560:	learn: 0.0549024	total: 19.4s	remaining: 15.2s
561:	learn: 0.0547914	total: 19.5s	remaining: 15.2s
562:	learn: 0.0547603	total: 19.6s	remaining: 15.2s
563:	learn: 0.0547060	total: 19.7s	remaining: 15.2s
564:	learn: 0.0546006	total: 19.7s	remaining: 15.2s
565:	learn: 0.0544938	total: 19.8s	remaining: 15.1s
566:	learn: 0.0544179	total: 19.8s	remaining: 15.1s
567:	learn: 0.0543902	total: 19.9s	remaining: 15.1s
568:	learn: 0.0542822	total: 19.9s	remaining: 15.1s
569:	learn: 0.0542605	total: 20s	remaining: 15.1s
570:	learn: 0.0542479	total: 20s	remaining: 15s
571:	learn: 0.0541215	total: 20.1s	remaining: 15s
572:	learn: 0.0540295	total: 20.1s	remaining: 15s
573:	learn: 0.0539162	total: 20.1s	remaining: 14.9s
574:	learn: 0.0538864	total: 20.2s	remaining: 14.9s
575:	learn: 0.0537494	total: 20.2s	remaining: 14.9s
576:	learn: 0.0536438	total: 20.2s	remaining: 14.8s
577:	learn: 0.0535609	total: 20.2s	remaining: 14.8s
578:	learn: 0.0534305	total: 20.3s	remaining: 14.7s
579:	learn: 0.0533882	total: 20.3s	remaining: 14.7s
580:	learn: 0.0533301	total: 20.4s	remaining: 14.7s
581:	learn: 0.0532486	total: 20.4s	remaining: 14.6s
582:	learn: 0.0531962	total: 20.5s	remaining: 14.6s
583:	learn: 0.0531900	total: 20.5s	remaining: 14.6s
584:	learn: 0.0531763	total: 20.5s	remaining: 14.6s
585:	learn: 0.0531026	total: 20.6s	remaining: 14.5s
586:	learn: 0.0530604	total: 20.6s	remaining: 14.5s
587:	learn: 0.0529567	total: 20.7s	remaining: 14.5s
588:	learn: 0.0529179	total: 20.7s	remaining: 14.4s
492:	learn: 0.0541988	total: 18s	remaining: 18.5s
493:	learn: 0.0540895	total: 18s	remaining: 18.5s
494:	learn: 0.0539835	total: 18.1s	remaining: 18.5s
495:	learn: 0.0538899	total: 18.1s	remaining: 18.4s
496:	learn: 0.0537512	total: 18.1s	remaining: 18.4s
497:	learn: 0.0536767	total: 18.2s	remaining: 18.3s
498:	learn: 0.0535011	total: 18.2s	remaining: 18.3s
499:	learn: 0.0534480	total: 18.2s	remaining: 18.2s
500:	learn: 0.0533331	total: 18.2s	remaining: 18.2s
501:	learn: 0.0532895	total: 18.3s	remaining: 18.1s
502:	learn: 0.0532053	total: 18.3s	remaining: 18.1s
503:	learn: 0.0531092	total: 18.3s	remaining: 18s
504:	learn: 0.0530488	total: 18.4s	remaining: 18s
505:	learn: 0.0529582	total: 18.4s	remaining: 17.9s
506:	learn: 0.0528818	total: 18.4s	remaining: 17.9s
507:	learn: 0.0527609	total: 18.4s	remaining: 17.9s
508:	learn: 0.0526722	total: 18.5s	remaining: 17.9s
509:	learn: 0.0525673	total: 18.5s	remaining: 17.8s
510:	learn: 0.0524885	total: 18.6s	remaining: 17.8s
511:	learn: 0.0523892	total: 18.6s	remaining: 17.8s
512:	learn: 0.0523055	total: 18.7s	remaining: 17.7s
513:	learn: 0.0522534	total: 18.7s	remaining: 17.7s
514:	learn: 0.0521844	total: 18.8s	remaining: 17.7s
515:	learn: 0.0520750	total: 18.8s	remaining: 17.6s
516:	learn: 0.0520274	total: 18.8s	remaining: 17.6s
517:	learn: 0.0519740	total: 18.8s	remaining: 17.5s
518:	learn: 0.0518673	total: 18.9s	remaining: 17.5s
519:	learn: 0.0517716	total: 18.9s	remaining: 17.5s
520:	learn: 0.0516536	total: 18.9s	remaining: 17.4s
521:	learn: 0.0516279	total: 19s	remaining: 17.4s
522:	learn: 0.0515159	total: 19s	remaining: 17.4s
523:	learn: 0.0514645	total: 19.1s	remaining: 17.3s
524:	learn: 0.0513630	total: 19.1s	remaining: 17.3s
525:	learn: 0.0513067	total: 19.1s	remaining: 17.3s

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526: learn: 0.0512507    total: 19.2s  remaining: 17.2s
527: learn: 0.0512292    total: 19.2s  remaining: 17.1s
528: learn: 0.0511245    total: 19.2s  remaining: 17.1s
529: learn: 0.0510962    total: 19.3s  remaining: 17.1s
530: learn: 0.0510499    total: 19.3s  remaining: 17.1s
531: learn: 0.0509310    total: 19.3s  remaining: 17s
532: learn: 0.0508668    total: 19.4s  remaining: 17s
533: learn: 0.0507321    total: 19.4s  remaining: 16.9s
534: learn: 0.0506662    total: 19.5s  remaining: 17s
535: learn: 0.0505620    total: 19.5s  remaining: 16.9s
536: learn: 0.0505151    total: 19.5s  remaining: 16.8s
537: learn: 0.0503940    total: 19.6s  remaining: 16.8s
538: learn: 0.0503884    total: 19.6s  remaining: 16.8s
539: learn: 0.0502897    total: 19.6s  remaining: 16.7s
540: learn: 0.0502179    total: 19.7s  remaining: 16.7s
541: learn: 0.0501358    total: 19.7s  remaining: 16.7s
542: learn: 0.0500912    total: 19.7s  remaining: 16.6s
543: learn: 0.0500444    total: 19.8s  remaining: 16.6s
544: learn: 0.0499652    total: 19.8s  remaining: 16.5s
545: learn: 0.0498864    total: 19.9s  remaining: 16.5s
546: learn: 0.0498436    total: 20s    remaining: 16.5s
547: learn: 0.0497953    total: 20s    remaining: 16.5s
548: learn: 0.0496859    total: 20.1s  remaining: 16.5s
549: learn: 0.0496264    total: 20.1s  remaining: 16.4s
550: learn: 0.0495441    total: 20.1s  remaining: 16.4s
551: learn: 0.0494936    total: 20.2s  remaining: 16.4s
552: learn: 0.0494245    total: 20.2s  remaining: 16.3s
553: learn: 0.0493296    total: 20.2s  remaining: 16.3s
554: learn: 0.0492584    total: 20.3s  remaining: 16.2s
555: learn: 0.0491867    total: 20.4s  remaining: 16.3s
556: learn: 0.0490988    total: 20.4s  remaining: 16.2s
557: learn: 0.0490084    total: 20.4s  remaining: 16.2s
558: learn: 0.0489530    total: 20.6s  remaining: 16.2s
559: learn: 0.0488715    total: 20.7s  remaining: 16.3s
560: learn: 0.0487918    total: 20.8s  remaining: 16.2s
561: learn: 0.0487402    total: 20.9s  remaining: 16.3s
562: learn: 0.0487008    total: 20.9s  remaining: 16.2s
563: learn: 0.0486201    total: 21s    remaining: 16.2s
564: learn: 0.0485767    total: 21s    remaining: 16.2s
565: learn: 0.0484744    total: 21s    remaining: 16.1s
566: learn: 0.0484234    total: 21.1s  remaining: 16.1s
567: learn: 0.0483336    total: 21.1s  remaining: 16s
568: learn: 0.0483179    total: 21.1s  remaining: 16s
569: learn: 0.0482313    total: 21.2s  remaining: 16s
570: learn: 0.0481413    total: 21.2s  remaining: 15.9s
571: learn: 0.0480744    total: 21.2s  remaining: 15.9s
572: learn: 0.0479849    total: 21.2s  remaining: 15.8s
573: learn: 0.0478935    total: 21.2s  remaining: 15.8s
574: learn: 0.0478051    total: 21.2s  remaining: 15.7s
575: learn: 0.0477434    total: 21.3s  remaining: 15.6s
576: learn: 0.0476649    total: 21.3s  remaining: 15.6s
577: learn: 0.0475887    total: 21.3s  remaining: 15.6s
578: learn: 0.0474650    total: 21.3s  remaining: 15.5s
579: learn: 0.0474224    total: 21.4s  remaining: 15.5s
580: learn: 0.0473563    total: 21.4s  remaining: 15.4s
581: learn: 0.0472936    total: 21.4s  remaining: 15.4s
582: learn: 0.0472163    total: 21.5s  remaining: 15.4s
583: learn: 0.0472059    total: 21.5s  remaining: 15.3s
584: learn: 0.0471326    total: 21.5s  remaining: 15.3s
585: learn: 0.0470566    total: 21.5s  remaining: 15.2s
586: learn: 0.0469687    total: 21.6s  remaining: 15.2s
587: learn: 0.0468790    total: 21.6s  remaining: 15.1s
588: learn: 0.0467946    total: 21.6s  remaining: 15.1s
589: learn: 0.0467351    total: 21.7s  remaining: 15s

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590: learn: 0.0466562      total: 21.7s  remaining: 15s
591: learn: 0.0465818      total: 21.8s  remaining: 15s
592: learn: 0.0465098      total: 21.8s  remaining: 14.9s
593: learn: 0.0464554      total: 21.8s  remaining: 14.9s
594: learn: 0.0463688      total: 21.8s  remaining: 14.9s
595: learn: 0.0463230      total: 21.9s  remaining: 14.9s
596: learn: 0.0462386      total: 21.9s  remaining: 14.8s
597: learn: 0.0461726      total: 22s    remaining: 14.8s
598: learn: 0.0460956      total: 22.1s  remaining: 14.8s
599: learn: 0.0460244      total: 22.1s  remaining: 14.7s
600: learn: 0.0459377      total: 22.2s  remaining: 14.7s
601: learn: 0.0458836      total: 22.2s  remaining: 14.7s
602: learn: 0.0458360      total: 22.3s  remaining: 14.7s
603: learn: 0.0457594      total: 22.3s  remaining: 14.6s
604: learn: 0.0457094      total: 22.4s  remaining: 14.6s
605: learn: 0.0456482      total: 22.4s  remaining: 14.6s
606: learn: 0.0456265      total: 22.5s  remaining: 14.5s
607: learn: 0.0455497      total: 22.5s  remaining: 14.5s
608: learn: 0.0454587      total: 22.5s  remaining: 14.5s
609: learn: 0.0453757      total: 22.6s  remaining: 14.4s
610: learn: 0.0452869      total: 22.6s  remaining: 14.4s
611: learn: 0.0452164      total: 22.6s  remaining: 14.3s
612: learn: 0.0451714      total: 22.7s  remaining: 14.3s
613: learn: 0.0450843      total: 22.7s  remaining: 14.2s
614: learn: 0.0450413      total: 22.7s  remaining: 14.2s
615: learn: 0.0449686      total: 22.7s  remaining: 14.1s
616: learn: 0.0449363      total: 22.7s  remaining: 14.1s
617: learn: 0.0449131      total: 22.7s  remaining: 14s
618: learn: 0.0448962      total: 22.7s  remaining: 14s
619: learn: 0.0448360      total: 22.8s  remaining: 13.9s
620: learn: 0.0448158      total: 22.8s  remaining: 13.9s
621: learn: 0.0447405      total: 22.8s  remaining: 13.9s
622: learn: 0.0446914      total: 22.9s  remaining: 13.8s
623: learn: 0.0446701      total: 22.9s  remaining: 13.8s
624: learn: 0.0445943      total: 22.9s  remaining: 13.7s
625: learn: 0.0445315      total: 22.9s  remaining: 13.7s
626: learn: 0.0444800      total: 23s    remaining: 13.7s
627: learn: 0.0443814      total: 23s    remaining: 13.6s
628: learn: 0.0443410      total: 23.1s  remaining: 13.6s
629: learn: 0.0442580      total: 23.1s  remaining: 13.6s
630: learn: 0.0441926      total: 23.2s  remaining: 13.6s
631: learn: 0.0441382      total: 23.3s  remaining: 13.6s
632: learn: 0.0440634      total: 23.3s  remaining: 13.5s
633: learn: 0.0440270      total: 23.4s  remaining: 13.5s
634: learn: 0.0439933      total: 23.4s  remaining: 13.5s
635: learn: 0.0439664      total: 23.4s  remaining: 13.4s
636: learn: 0.0439037      total: 23.5s  remaining: 13.4s
637: learn: 0.0438286      total: 23.5s  remaining: 13.4s
638: learn: 0.0437783      total: 23.6s  remaining: 13.4s
639: learn: 0.0437153      total: 23.7s  remaining: 13.3s
640: learn: 0.0437040      total: 23.8s  remaining: 13.3s
641: learn: 0.0436421      total: 23.8s  remaining: 13.3s
642: learn: 0.0435613      total: 23.9s  remaining: 13.2s
643: learn: 0.0435447      total: 23.9s  remaining: 13.2s
644: learn: 0.0434776      total: 23.9s  remaining: 13.2s
645: learn: 0.0434371      total: 23.9s  remaining: 13.1s
646: learn: 0.0433743      total: 24s    remaining: 13.1s
647: learn: 0.0433194      total: 24s    remaining: 13.1s
648: learn: 0.0432674      total: 24.1s  remaining: 13s
649: learn: 0.0432186      total: 24.1s  remaining: 13s
486: learn: 0.0647079      total: 17s    remaining: 17.9s
487: learn: 0.0646637      total: 17.1s  remaining: 17.9s
488: learn: 0.0645011      total: 17.1s  remaining: 17.9s
489: learn: 0.0644641      total: 17.2s  remaining: 17.9s

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490: learn: 0.0643677    total: 17.2s  remaining: 17.8s
491: learn: 0.0642872    total: 17.2s  remaining: 17.8s
492: learn: 0.0642801    total: 17.3s  remaining: 17.8s
493: learn: 0.0642157    total: 17.3s  remaining: 17.7s
494: learn: 0.0641020    total: 17.3s  remaining: 17.7s
495: learn: 0.0640006    total: 17.4s  remaining: 17.6s
496: learn: 0.0638048    total: 17.4s  remaining: 17.6s
497: learn: 0.0637362    total: 17.4s  remaining: 17.5s
498: learn: 0.0636497    total: 17.4s  remaining: 17.5s
499: learn: 0.0635014    total: 17.4s  remaining: 17.4s
500: learn: 0.0634205    total: 17.5s  remaining: 17.4s
501: learn: 0.0632456    total: 17.5s  remaining: 17.3s
502: learn: 0.0631722    total: 17.6s  remaining: 17.3s
503: learn: 0.0630275    total: 17.6s  remaining: 17.3s
504: learn: 0.0629998    total: 17.6s  remaining: 17.3s
505: learn: 0.0629792    total: 17.7s  remaining: 17.2s
506: learn: 0.0629312    total: 17.7s  remaining: 17.2s
507: learn: 0.0627328    total: 17.8s  remaining: 17.2s
508: learn: 0.0626268    total: 17.8s  remaining: 17.2s
509: learn: 0.0626200    total: 17.8s  remaining: 17.1s
510: learn: 0.0625416    total: 17.8s  remaining: 17.1s
511: learn: 0.0624733    total: 17.8s  remaining: 17s
512: learn: 0.0624376    total: 17.9s  remaining: 17s
513: learn: 0.0623833    total: 18s   remaining: 17s
514: learn: 0.0622685    total: 18s   remaining: 17s
515: learn: 0.0622625    total: 18s   remaining: 16.9s
516: learn: 0.0621823    total: 18.1s  remaining: 16.9s
517: learn: 0.0620313    total: 18.1s  remaining: 16.9s
518: learn: 0.0619806    total: 18.2s  remaining: 16.8s
519: learn: 0.0618757    total: 18.2s  remaining: 16.8s
520: learn: 0.0617941    total: 18.4s  remaining: 16.9s
521: learn: 0.0617239    total: 18.5s  remaining: 16.9s
522: learn: 0.0616053    total: 18.5s  remaining: 16.9s
523: learn: 0.0614341    total: 18.6s  remaining: 16.9s
524: learn: 0.0613593    total: 18.6s  remaining: 16.8s
525: learn: 0.0612547    total: 18.6s  remaining: 16.8s
526: learn: 0.0612150    total: 18.6s  remaining: 16.7s
527: learn: 0.0611801    total: 18.7s  remaining: 16.7s
528: learn: 0.0610287    total: 18.7s  remaining: 16.7s
529: learn: 0.0609667    total: 18.8s  remaining: 16.7s
530: learn: 0.0608853    total: 18.8s  remaining: 16.6s
531: learn: 0.0607343    total: 18.8s  remaining: 16.6s
532: learn: 0.0606581    total: 18.8s  remaining: 16.5s
533: learn: 0.0605259    total: 18.9s  remaining: 16.5s
534: learn: 0.0603822    total: 19s   remaining: 16.5s
535: learn: 0.0603386    total: 19s   remaining: 16.4s
536: learn: 0.0602732    total: 19s   remaining: 16.4s
537: learn: 0.0602159    total: 19.1s  remaining: 16.4s
538: learn: 0.0600734    total: 19.1s  remaining: 16.4s
539: learn: 0.0599800    total: 19.2s  remaining: 16.3s
540: learn: 0.0599114    total: 19.2s  remaining: 16.3s
541: learn: 0.0598497    total: 19.2s  remaining: 16.2s
542: learn: 0.0598056    total: 19.3s  remaining: 16.2s
543: learn: 0.0597616    total: 19.3s  remaining: 16.2s
544: learn: 0.0597194    total: 19.3s  remaining: 16.1s
545: learn: 0.0595608    total: 19.4s  remaining: 16.1s
546: learn: 0.0595082    total: 19.4s  remaining: 16.1s
547: learn: 0.0594128    total: 19.5s  remaining: 16s
548: learn: 0.0593248    total: 19.5s  remaining: 16s
549: learn: 0.0592159    total: 19.5s  remaining: 16s
550: learn: 0.0591748    total: 19.5s  remaining: 15.9s
551: learn: 0.0590701    total: 19.5s  remaining: 15.9s
552: learn: 0.0589254    total: 19.5s  remaining: 15.8s
553: learn: 0.0588068    total: 19.6s  remaining: 15.8s

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554: learn: 0.0587987    total: 19.6s  remaining: 15.7s
555: learn: 0.0586767    total: 19.6s  remaining: 15.7s
556: learn: 0.0585739    total: 19.6s  remaining: 15.6s
557: learn: 0.0584924    total: 19.6s  remaining: 15.6s
558: learn: 0.0584040    total: 19.6s  remaining: 15.5s
559: learn: 0.0583721    total: 19.6s  remaining: 15.4s
560: learn: 0.0582554    total: 19.7s  remaining: 15.4s
561: learn: 0.0581633    total: 19.7s  remaining: 15.3s
562: learn: 0.0580959    total: 19.7s  remaining: 15.3s
563: learn: 0.0580772    total: 19.7s  remaining: 15.3s
564: learn: 0.0580042    total: 19.7s  remaining: 15.2s
565: learn: 0.0579727    total: 19.8s  remaining: 15.2s
566: learn: 0.0578157    total: 19.8s  remaining: 15.1s
567: learn: 0.0577337    total: 19.8s  remaining: 15.1s
568: learn: 0.0576462    total: 19.9s  remaining: 15.1s
569: learn: 0.0575771    total: 19.9s  remaining: 15s
570: learn: 0.0575476    total: 20s   remaining: 15s
571: learn: 0.0575133    total: 20s   remaining: 15s
572: learn: 0.0574685    total: 20.1s  remaining: 14.9s
573: learn: 0.0573758    total: 20.1s  remaining: 14.9s
574: learn: 0.0572825    total: 20.2s  remaining: 14.9s
575: learn: 0.0572181    total: 20.2s  remaining: 14.9s
576: learn: 0.0571064    total: 20.3s  remaining: 14.9s
577: learn: 0.0570048    total: 20.3s  remaining: 14.8s
578: learn: 0.0568950    total: 20.4s  remaining: 14.8s
579: learn: 0.0568248    total: 20.5s  remaining: 14.8s
580: learn: 0.0567310    total: 20.5s  remaining: 14.8s
581: learn: 0.0566938    total: 20.5s  remaining: 14.7s
582: learn: 0.0566460    total: 20.5s  remaining: 14.7s
583: learn: 0.0566096    total: 20.6s  remaining: 14.6s
584: learn: 0.0565785    total: 20.6s  remaining: 14.6s
585: learn: 0.0564700    total: 20.6s  remaining: 14.6s
586: learn: 0.0564524    total: 20.7s  remaining: 14.5s
587: learn: 0.0563225    total: 20.7s  remaining: 14.5s
588: learn: 0.0562304    total: 20.7s  remaining: 14.5s
589: learn: 0.0561403    total: 20.8s  remaining: 14.5s
590: learn: 0.0560862    total: 20.8s  remaining: 14.4s
591: learn: 0.0559827    total: 20.8s  remaining: 14.4s
592: learn: 0.0559008    total: 20.9s  remaining: 14.3s
593: learn: 0.0557673    total: 20.9s  remaining: 14.3s
594: learn: 0.0557034    total: 20.9s  remaining: 14.2s
595: learn: 0.0555649    total: 20.9s  remaining: 14.2s
596: learn: 0.0554322    total: 20.9s  remaining: 14.1s
597: learn: 0.0552994    total: 21s   remaining: 14.1s
598: learn: 0.0551986    total: 21s   remaining: 14s
599: learn: 0.0551273    total: 21s   remaining: 14s
600: learn: 0.0551078    total: 21s   remaining: 14s
601: learn: 0.0549223    total: 21s   remaining: 13.9s
602: learn: 0.0548447    total: 21.1s  remaining: 13.9s
603: learn: 0.0548378    total: 21.1s  remaining: 13.8s
604: learn: 0.0547739    total: 21.1s  remaining: 13.8s
605: learn: 0.0546761    total: 21.1s  remaining: 13.7s
606: learn: 0.0545773    total: 21.2s  remaining: 13.7s
607: learn: 0.0545636    total: 21.2s  remaining: 13.7s
608: learn: 0.0544089    total: 21.2s  remaining: 13.6s
609: learn: 0.0543647    total: 21.3s  remaining: 13.6s
610: learn: 0.0543078    total: 21.3s  remaining: 13.6s
611: learn: 0.0542264    total: 21.4s  remaining: 13.5s
612: learn: 0.0541151    total: 21.5s  remaining: 13.6s
613: learn: 0.0540033    total: 21.5s  remaining: 13.5s
614: learn: 0.0539193    total: 21.6s  remaining: 13.5s
615: learn: 0.0538183    total: 21.6s  remaining: 13.5s
616: learn: 0.0537170    total: 21.6s  remaining: 13.4s
617: learn: 0.0535836    total: 21.7s  remaining: 13.4s

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618: learn: 0.0534978    total: 21.8s  remaining: 13.4s
619: learn: 0.0533875    total: 21.8s  remaining: 13.4s
620: learn: 0.0533477    total: 21.8s  remaining: 13.3s
621: learn: 0.0532463    total: 21.9s  remaining: 13.3s
622: learn: 0.0531660    total: 22s    remaining: 13.3s
623: learn: 0.0531081    total: 22s    remaining: 13.3s
624: learn: 0.0529746    total: 22.1s  remaining: 13.3s
625: learn: 0.0529211    total: 22.2s  remaining: 13.3s
626: learn: 0.0527961    total: 22.2s  remaining: 13.2s
627: learn: 0.0527165    total: 22.3s  remaining: 13.2s
628: learn: 0.0526573    total: 22.3s  remaining: 13.2s
629: learn: 0.0525880    total: 22.3s  remaining: 13.1s
630: learn: 0.0525376    total: 22.4s  remaining: 13.1s
631: learn: 0.0524616    total: 22.4s  remaining: 13.1s
632: learn: 0.0524028    total: 22.5s  remaining: 13s
633: learn: 0.0523444    total: 22.5s  remaining: 13s
634: learn: 0.0522253    total: 22.5s  remaining: 12.9s
635: learn: 0.0522126    total: 22.6s  remaining: 12.9s
636: learn: 0.0521594    total: 22.6s  remaining: 12.9s
637: learn: 0.0520737    total: 22.7s  remaining: 12.9s
638: learn: 0.0520037    total: 22.7s  remaining: 12.8s
639: learn: 0.0519564    total: 22.7s  remaining: 12.8s
640: learn: 0.0519231    total: 22.7s  remaining: 12.7s
641: learn: 0.0518140    total: 22.7s  remaining: 12.7s
642: learn: 0.0517635    total: 22.7s  remaining: 12.6s
643: learn: 0.0517447    total: 22.8s  remaining: 12.6s
488: learn: 0.0588228    total: 17.5s  remaining: 18.3s
489: learn: 0.0587129    total: 17.5s  remaining: 18.3s
490: learn: 0.0587041    total: 17.5s  remaining: 18.2s
491: learn: 0.0586950    total: 17.6s  remaining: 18.2s
492: learn: 0.0585960    total: 17.7s  remaining: 18.2s
493: learn: 0.0584719    total: 17.7s  remaining: 18.1s
494: learn: 0.0583748    total: 17.7s  remaining: 18.1s
495: learn: 0.0582645    total: 17.8s  remaining: 18s
496: learn: 0.0581515    total: 17.8s  remaining: 18s
497: learn: 0.0581060    total: 17.8s  remaining: 18s
498: learn: 0.0580308    total: 17.8s  remaining: 17.9s
499: learn: 0.0578869    total: 18s    remaining: 18s
500: learn: 0.0578741    total: 18s    remaining: 17.9s
501: learn: 0.0577909    total: 18s    remaining: 17.8s
502: learn: 0.0577050    total: 18s    remaining: 17.8s
503: learn: 0.0576971    total: 18.1s  remaining: 17.8s
504: learn: 0.0575760    total: 18.2s  remaining: 17.8s
505: learn: 0.0574716    total: 18.2s  remaining: 17.8s
506: learn: 0.0574202    total: 18.2s  remaining: 17.7s
507: learn: 0.0574130    total: 18.2s  remaining: 17.7s
508: learn: 0.0573361    total: 18.2s  remaining: 17.6s
509: learn: 0.0573283    total: 18.3s  remaining: 17.5s
510: learn: 0.0573199    total: 18.3s  remaining: 17.5s
511: learn: 0.0572734    total: 18.3s  remaining: 17.5s
512: learn: 0.0571949    total: 18.3s  remaining: 17.4s
513: learn: 0.0571490    total: 18.4s  remaining: 17.4s
514: learn: 0.0569634    total: 18.5s  remaining: 17.4s
515: learn: 0.0568926    total: 18.5s  remaining: 17.3s
516: learn: 0.0568854    total: 18.5s  remaining: 17.3s
517: learn: 0.0567759    total: 18.6s  remaining: 17.3s
518: learn: 0.0567319    total: 18.6s  remaining: 17.2s
519: learn: 0.0566610    total: 18.6s  remaining: 17.2s
520: learn: 0.0565601    total: 18.6s  remaining: 17.1s
521: learn: 0.0565520    total: 18.6s  remaining: 17.1s
522: learn: 0.0564353    total: 18.7s  remaining: 17s
523: learn: 0.0563776    total: 18.7s  remaining: 17s
524: learn: 0.0563259    total: 18.7s  remaining: 16.9s
525: learn: 0.0562122    total: 18.7s  remaining: 16.9s

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526: learn: 0.0560955      total: 18.8s    remaining: 16.9s
527: learn: 0.0560858      total: 18.8s    remaining: 16.8s
528: learn: 0.0559816      total: 18.8s    remaining: 16.8s
529: learn: 0.0559189      total: 18.9s    remaining: 16.7s
530: learn: 0.0558737      total: 18.9s    remaining: 16.7s
531: learn: 0.0558129      total: 18.9s    remaining: 16.7s
532: learn: 0.0557357      total: 19s       remaining: 16.6s
533: learn: 0.0556427      total: 19s       remaining: 16.6s
534: learn: 0.0556343      total: 19s       remaining: 16.5s
535: learn: 0.0555328      total: 19.1s    remaining: 16.5s
536: learn: 0.0555239      total: 19.1s    remaining: 16.5s
537: learn: 0.0554285      total: 19.2s    remaining: 16.5s
538: learn: 0.0554220      total: 19.2s    remaining: 16.4s
539: learn: 0.0553196      total: 19.3s    remaining: 16.4s
540: learn: 0.0552468      total: 19.3s    remaining: 16.4s
541: learn: 0.0551270      total: 19.3s    remaining: 16.3s
542: learn: 0.0551188      total: 19.4s    remaining: 16.3s
543: learn: 0.0551109      total: 19.4s    remaining: 16.2s
544: learn: 0.0551031      total: 19.4s    remaining: 16.2s
545: learn: 0.0550962      total: 19.4s    remaining: 16.2s
546: learn: 0.0549912      total: 19.5s    remaining: 16.2s
547: learn: 0.0548922      total: 19.5s    remaining: 16.1s
548: learn: 0.0548594      total: 19.5s    remaining: 16.1s
549: learn: 0.0548138      total: 19.6s    remaining: 16s
550: learn: 0.0547323      total: 19.7s    remaining: 16s
551: learn: 0.0547260      total: 19.7s    remaining: 16s
552: learn: 0.0546331      total: 19.7s    remaining: 15.9s
553: learn: 0.0545314      total: 19.8s    remaining: 15.9s
554: learn: 0.0543992      total: 19.8s    remaining: 15.9s
555: learn: 0.0543099      total: 19.9s    remaining: 15.9s
556: learn: 0.0542236      total: 19.9s    remaining: 15.8s
557: learn: 0.0541246      total: 20s       remaining: 15.8s
558: learn: 0.0539987      total: 20s       remaining: 15.8s
559: learn: 0.0539929      total: 20s       remaining: 15.7s
560: learn: 0.0538450      total: 20s       remaining: 15.7s
561: learn: 0.0537603      total: 20.1s    remaining: 15.7s
562: learn: 0.0537026      total: 20.1s    remaining: 15.6s
563: learn: 0.0535723      total: 20.1s    remaining: 15.6s
564: learn: 0.0534552      total: 20.2s    remaining: 15.5s
565: learn: 0.0533572      total: 20.2s    remaining: 15.5s
566: learn: 0.0532618      total: 20.2s    remaining: 15.5s
567: learn: 0.0532006      total: 20.3s    remaining: 15.4s
568: learn: 0.0531283      total: 20.3s    remaining: 15.4s
569: learn: 0.0529868      total: 20.3s    remaining: 15.3s
570: learn: 0.0529321      total: 20.4s    remaining: 15.3s
571: learn: 0.0528152      total: 20.4s    remaining: 15.2s
572: learn: 0.0527801      total: 20.4s    remaining: 15.2s
573: learn: 0.0526542      total: 20.4s    remaining: 15.2s
574: learn: 0.0525565      total: 20.4s    remaining: 15.1s
575: learn: 0.0524504      total: 20.5s    remaining: 15.1s
576: learn: 0.0522867      total: 20.5s    remaining: 15s
577: learn: 0.0522355      total: 20.5s    remaining: 15s
578: learn: 0.0521428      total: 20.5s    remaining: 14.9s
579: learn: 0.0520466      total: 20.6s    remaining: 14.9s
580: learn: 0.0519864      total: 20.6s    remaining: 14.9s
581: learn: 0.0518803      total: 20.7s    remaining: 14.8s
582: learn: 0.0517747      total: 20.7s    remaining: 14.8s
583: learn: 0.0516653      total: 20.7s    remaining: 14.8s
584: learn: 0.0515863      total: 20.8s    remaining: 14.7s
585: learn: 0.0514574      total: 20.8s    remaining: 14.7s
586: learn: 0.0514510      total: 20.8s    remaining: 14.6s
587: learn: 0.0513430      total: 20.8s    remaining: 14.6s
588: learn: 0.0512547      total: 20.9s    remaining: 14.6s
589: learn: 0.0511964      total: 21s       remaining: 14.6s

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590: learn: 0.0510956    total: 21s      remaining: 14.5s
591: learn: 0.0510224    total: 21.1s     remaining: 14.5s
592: learn: 0.0509473    total: 21.1s     remaining: 14.5s
593: learn: 0.0509412    total: 21.2s     remaining: 14.5s
594: learn: 0.0508930    total: 21.2s     remaining: 14.4s
595: learn: 0.0507866    total: 21.3s     remaining: 14.4s
596: learn: 0.0507215    total: 21.3s     remaining: 14.4s
597: learn: 0.0507144    total: 21.4s     remaining: 14.4s
598: learn: 0.0506297    total: 21.5s     remaining: 14.4s
599: learn: 0.0505299    total: 21.5s     remaining: 14.3s
600: learn: 0.0504680    total: 21.5s     remaining: 14.3s
601: learn: 0.0504620    total: 21.6s     remaining: 14.3s
602: learn: 0.0503257    total: 21.6s     remaining: 14.2s
603: learn: 0.0501747    total: 21.6s     remaining: 14.2s
604: learn: 0.0500873    total: 21.6s     remaining: 14.1s
605: learn: 0.0499902    total: 21.7s     remaining: 14.1s
606: learn: 0.0498948    total: 21.7s     remaining: 14.1s
607: learn: 0.0498891    total: 21.7s     remaining: 14s
608: learn: 0.0497955    total: 21.8s     remaining: 14s
609: learn: 0.0497007    total: 21.8s     remaining: 13.9s
610: learn: 0.0496336    total: 21.8s     remaining: 13.9s
611: learn: 0.0495702    total: 21.8s     remaining: 13.8s
612: learn: 0.0495647    total: 21.8s     remaining: 13.8s
613: learn: 0.0494938    total: 21.9s     remaining: 13.8s
614: learn: 0.0494345    total: 21.9s     remaining: 13.7s
615: learn: 0.0493235    total: 22s       remaining: 13.7s
616: learn: 0.0492477    total: 22s       remaining: 13.7s
617: learn: 0.0491665    total: 22s       remaining: 13.6s
618: learn: 0.0491118    total: 22s       remaining: 13.5s
619: learn: 0.0490166    total: 22.1s     remaining: 13.5s
620: learn: 0.0489438    total: 22.1s     remaining: 13.5s
621: learn: 0.0488647    total: 22.1s     remaining: 13.4s
622: learn: 0.0487539    total: 22.1s     remaining: 13.4s
623: learn: 0.0487493    total: 22.1s     remaining: 13.3s
624: learn: 0.0487035    total: 22.2s     remaining: 13.3s
625: learn: 0.0486979    total: 22.2s     remaining: 13.3s
626: learn: 0.0486372    total: 22.3s     remaining: 13.3s
627: learn: 0.0486322    total: 22.4s     remaining: 13.3s
628: learn: 0.0486270    total: 22.4s     remaining: 13.2s
629: learn: 0.0485254    total: 22.4s     remaining: 13.2s
630: learn: 0.0484714    total: 22.5s     remaining: 13.1s
631: learn: 0.0484664    total: 22.6s     remaining: 13.1s
632: learn: 0.0484153    total: 22.6s     remaining: 13.1s
633: learn: 0.0483584    total: 22.7s     remaining: 13.1s
634: learn: 0.0482910    total: 22.7s     remaining: 13s
635: learn: 0.0482852    total: 22.7s     remaining: 13s
636: learn: 0.0482159    total: 22.8s     remaining: 13s
637: learn: 0.0480968    total: 22.8s     remaining: 13s
638: learn: 0.0480255    total: 22.9s     remaining: 12.9s
639: learn: 0.0479349    total: 22.9s     remaining: 12.9s
640: learn: 0.0479298    total: 22.9s     remaining: 12.9s
641: learn: 0.0478357    total: 23s       remaining: 12.8s
642: learn: 0.0477226    total: 23s       remaining: 12.8s
643: learn: 0.0476240    total: 23s       remaining: 12.7s
644: learn: 0.0475631    total: 23.1s     remaining: 12.7s
645: learn: 0.0474912    total: 23.1s     remaining: 12.7s
647: learn: 0.0448489    total: 21.2s     remaining: 11.5s
648: learn: 0.0448137    total: 21.3s     remaining: 11.5s
649: learn: 0.0447379    total: 21.3s     remaining: 11.5s
650: learn: 0.0446640    total: 21.3s     remaining: 11.4s
651: learn: 0.0445895    total: 21.3s     remaining: 11.4s
652: learn: 0.0444873    total: 21.4s     remaining: 11.4s
653: learn: 0.0443735    total: 21.4s     remaining: 11.3s
654: learn: 0.0443273    total: 21.4s     remaining: 11.3s

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655: learn: 0.0442862      total: 21.4s  remaining: 11.2s
656: learn: 0.0442074      total: 21.4s  remaining: 11.2s
657: learn: 0.0441797      total: 21.5s  remaining: 11.2s
658: learn: 0.0440851      total: 21.5s  remaining: 11.1s
659: learn: 0.0439888      total: 21.5s  remaining: 11.1s
660: learn: 0.0439224      total: 21.5s  remaining: 11.1s
661: learn: 0.0439006      total: 21.6s  remaining: 11s
662: learn: 0.0438844      total: 21.7s  remaining: 11s
663: learn: 0.0438322      total: 21.7s  remaining: 11s
664: learn: 0.0437709      total: 21.8s  remaining: 11s
665: learn: 0.0437551      total: 21.8s  remaining: 10.9s
666: learn: 0.0436707      total: 21.8s  remaining: 10.9s
667: learn: 0.0435822      total: 21.9s  remaining: 10.9s
668: learn: 0.0435224      total: 22s    remaining: 10.9s
669: learn: 0.0434737      total: 22s    remaining: 10.9s
670: learn: 0.0433747      total: 22.1s  remaining: 10.8s
671: learn: 0.0432729      total: 22.1s  remaining: 10.8s
672: learn: 0.0431935      total: 22.1s  remaining: 10.7s
673: learn: 0.0431362      total: 22.2s  remaining: 10.7s
674: learn: 0.0430340      total: 22.2s  remaining: 10.7s
675: learn: 0.0429337      total: 22.3s  remaining: 10.7s
676: learn: 0.0429282      total: 22.3s  remaining: 10.6s
677: learn: 0.0428658      total: 22.4s  remaining: 10.6s
678: learn: 0.0428094      total: 22.4s  remaining: 10.6s
679: learn: 0.0427585      total: 22.4s  remaining: 10.5s
680: learn: 0.0427027      total: 22.4s  remaining: 10.5s
681: learn: 0.0426383      total: 22.5s  remaining: 10.5s
682: learn: 0.0425716      total: 22.6s  remaining: 10.5s
683: learn: 0.0425064      total: 22.6s  remaining: 10.4s
684: learn: 0.0423951      total: 22.6s  remaining: 10.4s
685: learn: 0.0423219      total: 22.6s  remaining: 10.3s
686: learn: 0.0422559      total: 22.6s  remaining: 10.3s
687: learn: 0.0421944      total: 22.6s  remaining: 10.3s
688: learn: 0.0421821      total: 22.7s  remaining: 10.2s
689: learn: 0.0421070      total: 22.7s  remaining: 10.2s
690: learn: 0.0420104      total: 22.7s  remaining: 10.2s
691: learn: 0.0420004      total: 22.8s  remaining: 10.1s
692: learn: 0.0419199      total: 22.8s  remaining: 10.1s
693: learn: 0.0418747      total: 22.9s  remaining: 10.1s
694: learn: 0.0418675      total: 22.9s  remaining: 10s
695: learn: 0.0418237      total: 22.9s  remaining: 10s
696: learn: 0.0417633      total: 23s    remaining: 9.98s
697: learn: 0.0416965      total: 23s    remaining: 9.96s
698: learn: 0.0416266      total: 23s    remaining: 9.91s
699: learn: 0.0415956      total: 23s    remaining: 9.87s
700: learn: 0.0415542      total: 23.1s  remaining: 9.85s
701: learn: 0.0414640      total: 23.2s  remaining: 9.84s
702: learn: 0.0413818      total: 23.2s  remaining: 9.8s
703: learn: 0.0413273      total: 23.2s  remaining: 9.76s
704: learn: 0.0413199      total: 23.3s  remaining: 9.77s
705: learn: 0.0412666      total: 23.4s  remaining: 9.76s
706: learn: 0.0411969      total: 23.4s  remaining: 9.71s
707: learn: 0.0411316      total: 23.4s  remaining: 9.67s
708: learn: 0.0410887      total: 23.5s  remaining: 9.64s
709: learn: 0.0410699      total: 23.5s  remaining: 9.61s
710: learn: 0.0409965      total: 23.6s  remaining: 9.58s
711: learn: 0.0409716      total: 23.7s  remaining: 9.57s
712: learn: 0.0409278      total: 23.7s  remaining: 9.53s
713: learn: 0.0409227      total: 23.7s  remaining: 9.49s
714: learn: 0.0409052      total: 23.7s  remaining: 9.45s
715: learn: 0.0408838      total: 23.8s  remaining: 9.45s
716: learn: 0.0408780      total: 23.8s  remaining: 9.41s
717: learn: 0.0408490      total: 23.9s  remaining: 9.37s
718: learn: 0.0407816      total: 23.9s  remaining: 9.35s

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		houses_kaggle_competition_refined
719:	learn: 0.0406936	total: 23.9s remaining: 9.31s
720:	learn: 0.0406207	total: 24s remaining: 9.29s
721:	learn: 0.0406023	total: 24.1s remaining: 9.29s
722:	learn: 0.0405599	total: 24.2s remaining: 9.25s
723:	learn: 0.0405049	total: 24.2s remaining: 9.22s
724:	learn: 0.0404205	total: 24.3s remaining: 9.2s
725:	learn: 0.0403441	total: 24.3s remaining: 9.16s
726:	learn: 0.0403117	total: 24.3s remaining: 9.12s
727:	learn: 0.0402520	total: 24.3s remaining: 9.09s
728:	learn: 0.0401815	total: 24.4s remaining: 9.05s
729:	learn: 0.0401187	total: 24.4s remaining: 9.03s
730:	learn: 0.0400414	total: 24.4s remaining: 8.99s
731:	learn: 0.0399924	total: 24.5s remaining: 8.96s
732:	learn: 0.03999298	total: 24.5s remaining: 8.93s
733:	learn: 0.0398235	total: 24.5s remaining: 8.89s
734:	learn: 0.0397723	total: 24.6s remaining: 8.85s
735:	learn: 0.0397127	total: 24.6s remaining: 8.82s
736:	learn: 0.0396727	total: 24.6s remaining: 8.78s
737:	learn: 0.0396287	total: 24.6s remaining: 8.74s
738:	learn: 0.0396001	total: 24.7s remaining: 8.71s
739:	learn: 0.0395442	total: 24.7s remaining: 8.68s
740:	learn: 0.0394964	total: 24.7s remaining: 8.64s
741:	learn: 0.0394283	total: 24.7s remaining: 8.6s
742:	learn: 0.0394173	total: 24.8s remaining: 8.57s
743:	learn: 0.0393545	total: 24.9s remaining: 8.55s
744:	learn: 0.0393065	total: 24.9s remaining: 8.52s
745:	learn: 0.0392358	total: 24.9s remaining: 8.49s
746:	learn: 0.0391594	total: 25s remaining: 8.47s
747:	learn: 0.0390825	total: 25s remaining: 8.44s
748:	learn: 0.0390338	total: 25.1s remaining: 8.41s
749:	learn: 0.0390016	total: 25.1s remaining: 8.36s
750:	learn: 0.0389248	total: 25.1s remaining: 8.32s
751:	learn: 0.0389173	total: 25.1s remaining: 8.28s
752:	learn: 0.0388531	total: 25.1s remaining: 8.25s
753:	learn: 0.0387776	total: 25.2s remaining: 8.21s
754:	learn: 0.0386898	total: 25.2s remaining: 8.17s
755:	learn: 0.0386219	total: 25.2s remaining: 8.14s
756:	learn: 0.0385752	total: 25.3s remaining: 8.13s
757:	learn: 0.0385141	total: 25.3s remaining: 8.09s
758:	learn: 0.0384384	total: 25.4s remaining: 8.06s
759:	learn: 0.0383832	total: 25.5s remaining: 8.04s
760:	learn: 0.0383218	total: 25.5s remaining: 8.01s
761:	learn: 0.0382437	total: 25.5s remaining: 7.98s
762:	learn: 0.0382092	total: 25.6s remaining: 7.95s
763:	learn: 0.0381307	total: 25.6s remaining: 7.92s
764:	learn: 0.0381011	total: 25.7s remaining: 7.9s
765:	learn: 0.0380943	total: 25.8s remaining: 7.87s
766:	learn: 0.0380216	total: 25.8s remaining: 7.83s
767:	learn: 0.0379996	total: 25.8s remaining: 7.8s
768:	learn: 0.0379784	total: 25.9s remaining: 7.77s
769:	learn: 0.0378962	total: 25.9s remaining: 7.73s
770:	learn: 0.0378823	total: 25.9s remaining: 7.7s
771:	learn: 0.0378359	total: 25.9s remaining: 7.66s
772:	learn: 0.0377990	total: 26s remaining: 7.63s
773:	learn: 0.0377632	total: 26s remaining: 7.59s
774:	learn: 0.0377177	total: 26s remaining: 7.55s
775:	learn: 0.0376372	total: 26.1s remaining: 7.52s
776:	learn: 0.0376318	total: 26.1s remaining: 7.48s
777:	learn: 0.0375855	total: 26.1s remaining: 7.45s
778:	learn: 0.0374730	total: 26.1s remaining: 7.41s
779:	learn: 0.0374502	total: 26.1s remaining: 7.37s
780:	learn: 0.0374255	total: 26.2s remaining: 7.34s
781:	learn: 0.0373431	total: 26.2s remaining: 7.31s
782:	learn: 0.0372746	total: 26.3s remaining: 7.28s

783:	learn: 0.0372222	total: 26.3s	remaining: 7.24s
784:	learn: 0.0371511	total: 26.3s	remaining: 7.2s
785:	learn: 0.0371261	total: 26.3s	remaining: 7.17s
786:	learn: 0.0370748	total: 26.3s	remaining: 7.13s
787:	learn: 0.0370034	total: 26.4s	remaining: 7.09s
788:	learn: 0.0369349	total: 26.4s	remaining: 7.07s
789:	learn: 0.0368830	total: 26.5s	remaining: 7.04s
790:	learn: 0.0368787	total: 26.5s	remaining: 7s
791:	learn: 0.0367971	total: 26.6s	remaining: 6.97s
792:	learn: 0.0367362	total: 26.6s	remaining: 6.93s
793:	learn: 0.0366776	total: 26.6s	remaining: 6.9s
794:	learn: 0.0366389	total: 26.6s	remaining: 6.86s
795:	learn: 0.0365890	total: 26.6s	remaining: 6.82s
796:	learn: 0.0365801	total: 26.6s	remaining: 6.79s
797:	learn: 0.0365569	total: 26.7s	remaining: 6.76s
798:	learn: 0.0365544	total: 26.8s	remaining: 6.73s
799:	learn: 0.0364820	total: 26.8s	remaining: 6.7s
800:	learn: 0.0364379	total: 26.8s	remaining: 6.67s
801:	learn: 0.0363961	total: 26.9s	remaining: 6.63s
802:	learn: 0.0363273	total: 27s	remaining: 6.62s
803:	learn: 0.0362776	total: 27s	remaining: 6.58s
804:	learn: 0.0362426	total: 27s	remaining: 6.55s
589:	learn: 0.0528886	total: 20.8s	remaining: 14.5s
590:	learn: 0.0528112	total: 20.8s	remaining: 14.4s
591:	learn: 0.0527530	total: 20.9s	remaining: 14.4s
592:	learn: 0.0526456	total: 21s	remaining: 14.4s
593:	learn: 0.0525633	total: 21s	remaining: 14.4s
594:	learn: 0.0524939	total: 21.1s	remaining: 14.3s
595:	learn: 0.0524240	total: 21.1s	remaining: 14.3s
596:	learn: 0.0523466	total: 21.2s	remaining: 14.3s
597:	learn: 0.0522720	total: 21.2s	remaining: 14.2s
598:	learn: 0.0522496	total: 21.2s	remaining: 14.2s
599:	learn: 0.0521805	total: 21.3s	remaining: 14.2s
600:	learn: 0.0521206	total: 21.4s	remaining: 14.2s
601:	learn: 0.0520435	total: 21.4s	remaining: 14.1s
602:	learn: 0.0519619	total: 21.5s	remaining: 14.1s
603:	learn: 0.0519131	total: 21.5s	remaining: 14.1s
604:	learn: 0.0518639	total: 21.5s	remaining: 14s
605:	learn: 0.0517809	total: 21.6s	remaining: 14s
606:	learn: 0.0516982	total: 21.6s	remaining: 14s
607:	learn: 0.0516071	total: 21.6s	remaining: 13.9s
608:	learn: 0.0515101	total: 21.6s	remaining: 13.9s
609:	learn: 0.0514277	total: 21.6s	remaining: 13.8s
610:	learn: 0.0513628	total: 21.6s	remaining: 13.8s
611:	learn: 0.0512861	total: 21.7s	remaining: 13.7s
612:	learn: 0.0512368	total: 21.7s	remaining: 13.7s
613:	learn: 0.0511675	total: 21.7s	remaining: 13.6s
614:	learn: 0.0511604	total: 21.7s	remaining: 13.6s
615:	learn: 0.0510265	total: 21.7s	remaining: 13.5s
616:	learn: 0.0509497	total: 21.7s	remaining: 13.5s
617:	learn: 0.0508712	total: 21.8s	remaining: 13.5s
618:	learn: 0.0508285	total: 21.8s	remaining: 13.4s
619:	learn: 0.0507538	total: 21.8s	remaining: 13.4s
620:	learn: 0.0506939	total: 21.9s	remaining: 13.4s
621:	learn: 0.0506399	total: 21.9s	remaining: 13.3s
622:	learn: 0.0506248	total: 22s	remaining: 13.3s
623:	learn: 0.0505422	total: 22s	remaining: 13.3s
624:	learn: 0.0504757	total: 22s	remaining: 13.2s
625:	learn: 0.0503950	total: 22s	remaining: 13.2s
626:	learn: 0.0503120	total: 22.1s	remaining: 13.1s
627:	learn: 0.0502584	total: 22.1s	remaining: 13.1s
628:	learn: 0.0502206	total: 22.1s	remaining: 13.1s
629:	learn: 0.0501518	total: 22.2s	remaining: 13s
630:	learn: 0.0500589	total: 22.3s	remaining: 13s

631:	learn: 0.0499979	total: 22.3s	remaining: 13s
632:	learn: 0.0499435	total: 22.3s	remaining: 12.9s
633:	learn: 0.0499022	total: 22.3s	remaining: 12.9s
634:	learn: 0.0498162	total: 22.3s	remaining: 12.8s
635:	learn: 0.0497823	total: 22.4s	remaining: 12.8s
636:	learn: 0.0497183	total: 22.4s	remaining: 12.7s
637:	learn: 0.0496564	total: 22.4s	remaining: 12.7s
638:	learn: 0.0495762	total: 22.4s	remaining: 12.6s
639:	learn: 0.0495002	total: 22.4s	remaining: 12.6s
640:	learn: 0.0494580	total: 22.5s	remaining: 12.6s
641:	learn: 0.0493905	total: 22.5s	remaining: 12.5s
642:	learn: 0.0492988	total: 22.5s	remaining: 12.5s
643:	learn: 0.0492160	total: 22.6s	remaining: 12.5s
644:	learn: 0.0491252	total: 22.6s	remaining: 12.4s
645:	learn: 0.0490285	total: 22.7s	remaining: 12.4s
646:	learn: 0.0490031	total: 22.7s	remaining: 12.4s
647:	learn: 0.0488939	total: 22.7s	remaining: 12.3s
648:	learn: 0.0488149	total: 22.8s	remaining: 12.3s
649:	learn: 0.0487437	total: 22.8s	remaining: 12.3s
650:	learn: 0.0487019	total: 22.8s	remaining: 12.2s
651:	learn: 0.0486479	total: 22.9s	remaining: 12.2s
652:	learn: 0.0485274	total: 22.9s	remaining: 12.2s
653:	learn: 0.0484690	total: 22.9s	remaining: 12.1s
654:	learn: 0.0484214	total: 22.9s	remaining: 12.1s
655:	learn: 0.0484008	total: 22.9s	remaining: 12s
656:	learn: 0.0483266	total: 23s	remaining: 12s
657:	learn: 0.0482956	total: 23s	remaining: 12s
658:	learn: 0.0482696	total: 23s	remaining: 11.9s
659:	learn: 0.0481902	total: 23.1s	remaining: 11.9s
660:	learn: 0.0481047	total: 23.1s	remaining: 11.8s
661:	learn: 0.0480187	total: 23.1s	remaining: 11.8s
662:	learn: 0.0479949	total: 23.2s	remaining: 11.8s
663:	learn: 0.0479060	total: 23.2s	remaining: 11.8s
664:	learn: 0.0478668	total: 23.3s	remaining: 11.7s
665:	learn: 0.0477558	total: 23.3s	remaining: 11.7s
666:	learn: 0.0476834	total: 23.3s	remaining: 11.6s
667:	learn: 0.0476342	total: 23.3s	remaining: 11.6s
668:	learn: 0.0475450	total: 23.3s	remaining: 11.5s
669:	learn: 0.0474456	total: 23.3s	remaining: 11.5s
670:	learn: 0.0473837	total: 23.4s	remaining: 11.5s
671:	learn: 0.0473230	total: 23.5s	remaining: 11.5s
672:	learn: 0.0472630	total: 23.5s	remaining: 11.4s
673:	learn: 0.0471896	total: 23.5s	remaining: 11.4s
674:	learn: 0.0471422	total: 23.5s	remaining: 11.3s
675:	learn: 0.0470967	total: 23.6s	remaining: 11.3s
676:	learn: 0.0470095	total: 23.6s	remaining: 11.2s
677:	learn: 0.0469352	total: 23.6s	remaining: 11.2s
678:	learn: 0.0468737	total: 23.6s	remaining: 11.2s
679:	learn: 0.0468072	total: 23.6s	remaining: 11.1s
680:	learn: 0.0467319	total: 23.8s	remaining: 11.1s
681:	learn: 0.0467115	total: 23.8s	remaining: 11.1s
682:	learn: 0.0466930	total: 23.8s	remaining: 11.1s
683:	learn: 0.0466428	total: 23.9s	remaining: 11s
684:	learn: 0.0466165	total: 23.9s	remaining: 11s
685:	learn: 0.0465288	total: 23.9s	remaining: 11s
686:	learn: 0.0464327	total: 24s	remaining: 10.9s
687:	learn: 0.0463788	total: 24s	remaining: 10.9s
688:	learn: 0.0463056	total: 24s	remaining: 10.8s
689:	learn: 0.0462809	total: 24s	remaining: 10.8s
690:	learn: 0.0461780	total: 24.1s	remaining: 10.8s
691:	learn: 0.0461117	total: 24.2s	remaining: 10.8s
692:	learn: 0.0460134	total: 24.2s	remaining: 10.7s
693:	learn: 0.0460076	total: 24.2s	remaining: 10.7s
694:	learn: 0.0459439	total: 24.3s	remaining: 10.6s

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695: learn: 0.0458762      total: 24.3s  remaining: 10.6s
696: learn: 0.0457962      total: 24.4s  remaining: 10.6s
697: learn: 0.0457350      total: 24.4s  remaining: 10.5s
698: learn: 0.0456600      total: 24.4s  remaining: 10.5s
699: learn: 0.0455686      total: 24.4s  remaining: 10.5s
700: learn: 0.0455244      total: 24.5s  remaining: 10.4s
701: learn: 0.0454736      total: 24.5s  remaining: 10.4s
702: learn: 0.0453918      total: 24.5s  remaining: 10.4s
703: learn: 0.0453316      total: 24.6s  remaining: 10.3s
704: learn: 0.0453042      total: 24.6s  remaining: 10.3s
705: learn: 0.0451731      total: 24.6s  remaining: 10.2s
706: learn: 0.0450597      total: 24.6s  remaining: 10.2s
707: learn: 0.0449967      total: 24.6s  remaining: 10.2s
708: learn: 0.0449479      total: 24.8s  remaining: 10.2s
709: learn: 0.0448882      total: 24.8s  remaining: 10.1s
710: learn: 0.0448585      total: 24.8s  remaining: 10.1s
711: learn: 0.0448019      total: 24.8s  remaining: 10s
712: learn: 0.0447642      total: 24.9s  remaining: 10s
713: learn: 0.0447087      total: 24.9s  remaining: 9.98s
714: learn: 0.0446646      total: 24.9s  remaining: 9.94s
715: learn: 0.0446216      total: 24.9s  remaining: 9.9s
716: learn: 0.0445672      total: 25s    remaining: 9.85s
717: learn: 0.0445163      total: 25s    remaining: 9.81s
718: learn: 0.0445022      total: 25s    remaining: 9.77s
719: learn: 0.0444725      total: 25s    remaining: 9.73s
720: learn: 0.0444261      total: 25.1s  remaining: 9.71s
721: learn: 0.0443463      total: 25.1s  remaining: 9.68s
722: learn: 0.0442624      total: 25.2s  remaining: 9.64s
723: learn: 0.0442204      total: 25.2s  remaining: 9.6s
724: learn: 0.0441465      total: 25.2s  remaining: 9.57s
725: learn: 0.0440868      total: 25.2s  remaining: 9.53s
726: learn: 0.0440490      total: 25.3s  remaining: 9.5s
727: learn: 0.0440265      total: 25.3s  remaining: 9.46s
728: learn: 0.0439973      total: 25.4s  remaining: 9.44s
729: learn: 0.0439251      total: 25.4s  remaining: 9.41s
730: learn: 0.0438748      total: 25.5s  remaining: 9.38s
731: learn: 0.0437949      total: 25.5s  remaining: 9.35s
732: learn: 0.0437343      total: 25.6s  remaining: 9.32s
733: learn: 0.0436562      total: 25.6s  remaining: 9.28s
734: learn: 0.0435814      total: 25.6s  remaining: 9.24s
735: learn: 0.0435400      total: 25.6s  remaining: 9.2s
736: learn: 0.0434814      total: 25.7s  remaining: 9.17s
737: learn: 0.0434350      total: 25.8s  remaining: 9.14s
738: learn: 0.0433849      total: 25.8s  remaining: 9.1s
739: learn: 0.0433358      total: 25.8s  remaining: 9.06s
740: learn: 0.0432534      total: 25.8s  remaining: 9.03s
741: learn: 0.0431817      total: 25.8s  remaining: 8.99s
742: learn: 0.0430691      total: 25.9s  remaining: 8.96s
743: learn: 0.0430136      total: 25.9s  remaining: 8.93s
744: learn: 0.0429465      total: 26s    remaining: 8.88s
745: learn: 0.0428852      total: 26s    remaining: 8.84s
746: learn: 0.0428360      total: 26s    remaining: 8.81s
650: learn: 0.0431348      total: 24.2s  remaining: 12.9s
651: learn: 0.0430830      total: 24.2s  remaining: 12.9s
652: learn: 0.0430102      total: 24.2s  remaining: 12.9s
653: learn: 0.0429422      total: 24.3s  remaining: 12.8s
654: learn: 0.0428869      total: 24.3s  remaining: 12.8s
655: learn: 0.0428362      total: 24.3s  remaining: 12.7s
656: learn: 0.0427912      total: 24.3s  remaining: 12.7s
657: learn: 0.0426956      total: 24.3s  remaining: 12.6s
658: learn: 0.0426313      total: 24.3s  remaining: 12.6s
659: learn: 0.0425736      total: 24.3s  remaining: 12.5s
660: learn: 0.0425342      total: 24.3s  remaining: 12.5s
661: learn: 0.0424488      total: 24.3s  remaining: 12.4s

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662: learn: 0.0423655    total: 24.4s  remaining: 12.4s
663: learn: 0.0423197    total: 24.4s  remaining: 12.4s
664: learn: 0.0422701    total: 24.5s  remaining: 12.3s
665: learn: 0.0422089    total: 24.5s  remaining: 12.3s
666: learn: 0.0421145    total: 24.5s  remaining: 12.2s
667: learn: 0.0420430    total: 24.5s  remaining: 12.2s
668: learn: 0.0419748    total: 24.5s  remaining: 12.1s
669: learn: 0.0418812    total: 24.6s  remaining: 12.1s
670: learn: 0.0418260    total: 24.6s  remaining: 12s
671: learn: 0.0417755    total: 24.6s  remaining: 12s
672: learn: 0.0417202    total: 24.6s  remaining: 11.9s
673: learn: 0.0416442    total: 24.6s  remaining: 11.9s
674: learn: 0.0415782    total: 24.7s  remaining: 11.9s
675: learn: 0.0415246    total: 24.7s  remaining: 11.9s
676: learn: 0.0414853    total: 24.7s  remaining: 11.8s
677: learn: 0.0413973    total: 24.8s  remaining: 11.8s
678: learn: 0.0413102    total: 24.8s  remaining: 11.7s
679: learn: 0.0412183    total: 24.8s  remaining: 11.7s
680: learn: 0.0411587    total: 24.9s  remaining: 11.6s
681: learn: 0.0411092    total: 24.9s  remaining: 11.6s
682: learn: 0.0410424    total: 24.9s  remaining: 11.6s
683: learn: 0.0410059    total: 25s    remaining: 11.6s
684: learn: 0.0409826    total: 25.1s  remaining: 11.5s
685: learn: 0.0409704    total: 25.1s  remaining: 11.5s
686: learn: 0.0408739    total: 25.1s  remaining: 11.5s
687: learn: 0.0407327    total: 25.2s  remaining: 11.4s
688: learn: 0.0407008    total: 25.2s  remaining: 11.4s
689: learn: 0.0406527    total: 25.3s  remaining: 11.4s
690: learn: 0.0405748    total: 25.3s  remaining: 11.3s
691: learn: 0.0405266    total: 25.4s  remaining: 11.3s
692: learn: 0.0404785    total: 25.4s  remaining: 11.3s
693: learn: 0.0404120    total: 25.5s  remaining: 11.2s
694: learn: 0.0403530    total: 25.5s  remaining: 11.2s
695: learn: 0.0402462    total: 25.5s  remaining: 11.2s
696: learn: 0.0402286    total: 25.6s  remaining: 11.1s
697: learn: 0.0401591    total: 25.7s  remaining: 11.1s
698: learn: 0.0400872    total: 25.7s  remaining: 11.1s
699: learn: 0.0400350    total: 25.7s  remaining: 11s
700: learn: 0.0400050    total: 25.8s  remaining: 11s
701: learn: 0.0399444    total: 25.8s  remaining: 10.9s
702: learn: 0.0398789    total: 25.8s  remaining: 10.9s
703: learn: 0.0397971    total: 25.8s  remaining: 10.9s
704: learn: 0.0397806    total: 25.8s  remaining: 10.8s
705: learn: 0.0397240    total: 25.9s  remaining: 10.8s
706: learn: 0.0396688    total: 25.9s  remaining: 10.7s
707: learn: 0.0396008    total: 25.9s  remaining: 10.7s
708: learn: 0.0395578    total: 26s    remaining: 10.7s
709: learn: 0.0394639    total: 26s    remaining: 10.6s
710: learn: 0.0393971    total: 26s    remaining: 10.6s
711: learn: 0.0393497    total: 26.1s  remaining: 10.5s
712: learn: 0.0392906    total: 26.1s  remaining: 10.5s
713: learn: 0.0392070    total: 26.1s  remaining: 10.5s
714: learn: 0.0391791    total: 26.1s  remaining: 10.4s
715: learn: 0.0391343    total: 26.1s  remaining: 10.4s
716: learn: 0.0390804    total: 26.1s  remaining: 10.3s
717: learn: 0.0390392    total: 26.1s  remaining: 10.3s
718: learn: 0.0390091    total: 26.2s  remaining: 10.2s
719: learn: 0.0389250    total: 26.2s  remaining: 10.2s
720: learn: 0.0388494    total: 26.2s  remaining: 10.1s
721: learn: 0.0387970    total: 26.2s  remaining: 10.1s
722: learn: 0.0387617    total: 26.3s  remaining: 10.1s
723: learn: 0.0387336    total: 26.3s  remaining: 10s
724: learn: 0.0386668    total: 26.3s  remaining: 9.99s
725: learn: 0.0386312    total: 26.4s  remaining: 9.95s

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726: learn: 0.0385529    total: 26.4s  remaining: 9.91s
727: learn: 0.0385210    total: 26.4s  remaining: 9.88s
728: learn: 0.0384458    total: 26.5s  remaining: 9.84s
729: learn: 0.0383847    total: 26.5s  remaining: 9.8s
730: learn: 0.0383794    total: 26.5s  remaining: 9.76s
731: learn: 0.0383389    total: 26.6s  remaining: 9.73s
732: learn: 0.0382655    total: 26.6s  remaining: 9.69s
733: learn: 0.0381894    total: 26.6s  remaining: 9.65s
734: learn: 0.0381455    total: 26.7s  remaining: 9.61s
735: learn: 0.0380982    total: 26.7s  remaining: 9.58s
736: learn: 0.0379995    total: 26.7s  remaining: 9.54s
737: learn: 0.0379557    total: 26.8s  remaining: 9.51s
738: learn: 0.0379273    total: 26.9s  remaining: 9.49s
739: learn: 0.0378671    total: 26.9s  remaining: 9.45s
740: learn: 0.0378048    total: 27s   remaining: 9.42s
741: learn: 0.0377386    total: 27s   remaining: 9.38s
742: learn: 0.0376472    total: 27s   remaining: 9.34s
743: learn: 0.0375950    total: 27s   remaining: 9.31s
744: learn: 0.0375619    total: 27.1s  remaining: 9.26s
745: learn: 0.0374368    total: 27.1s  remaining: 9.21s
746: learn: 0.0373821    total: 27.1s  remaining: 9.17s
747: learn: 0.0373364    total: 27.1s  remaining: 9.14s
748: learn: 0.0372796    total: 27.2s  remaining: 9.11s
749: learn: 0.0372293    total: 27.2s  remaining: 9.06s
750: learn: 0.0371684    total: 27.2s  remaining: 9.02s
751: learn: 0.0371014    total: 27.2s  remaining: 8.98s
752: learn: 0.0370458    total: 27.3s  remaining: 8.94s
753: learn: 0.0369876    total: 27.3s  remaining: 8.9s
754: learn: 0.0369314    total: 27.3s  remaining: 8.87s
755: learn: 0.0369048    total: 27.4s  remaining: 8.84s
756: learn: 0.0368163    total: 27.4s  remaining: 8.8s
757: learn: 0.0367929    total: 27.4s  remaining: 8.76s
758: learn: 0.0367401    total: 27.5s  remaining: 8.72s
759: learn: 0.0367186    total: 27.5s  remaining: 8.69s
760: learn: 0.0366153    total: 27.5s  remaining: 8.64s
761: learn: 0.0365310    total: 27.5s  remaining: 8.6s
762: learn: 0.0364949    total: 27.6s  remaining: 8.57s
763: learn: 0.0364226    total: 27.7s  remaining: 8.55s
764: learn: 0.0363621    total: 27.7s  remaining: 8.51s
765: learn: 0.0362769    total: 27.7s  remaining: 8.47s
766: learn: 0.0362185    total: 27.8s  remaining: 8.43s
767: learn: 0.0361424    total: 27.8s  remaining: 8.4s
768: learn: 0.0361207    total: 27.8s  remaining: 8.36s
769: learn: 0.0360649    total: 27.9s  remaining: 8.34s
770: learn: 0.0360089    total: 28s   remaining: 8.31s
771: learn: 0.0359649    total: 28s   remaining: 8.27s
772: learn: 0.0358777    total: 28.1s  remaining: 8.24s
773: learn: 0.0358289    total: 28.2s  remaining: 8.23s
774: learn: 0.0357746    total: 28.2s  remaining: 8.2s
775: learn: 0.0357083    total: 28.3s  remaining: 8.17s
776: learn: 0.0356710    total: 28.3s  remaining: 8.13s
777: learn: 0.0356102    total: 28.4s  remaining: 8.1s
778: learn: 0.0355827    total: 28.4s  remaining: 8.06s
779: learn: 0.0355436    total: 28.4s  remaining: 8.02s
780: learn: 0.0355060    total: 28.5s  remaining: 7.98s
781: learn: 0.0354538    total: 28.5s  remaining: 7.94s
782: learn: 0.0353733    total: 28.5s  remaining: 7.9s
783: learn: 0.0353337    total: 28.5s  remaining: 7.86s
784: learn: 0.0352641    total: 28.5s  remaining: 7.82s
785: learn: 0.0352255    total: 28.6s  remaining: 7.78s
786: learn: 0.0352144    total: 28.6s  remaining: 7.74s
787: learn: 0.0351343    total: 28.6s  remaining: 7.7s
788: learn: 0.0351090    total: 28.7s  remaining: 7.67s
789: learn: 0.0350663    total: 28.7s  remaining: 7.64s

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790: learn: 0.0350366    total: 28.8s  remaining: 7.6s
791: learn: 0.0350152    total: 28.8s  remaining: 7.56s
792: learn: 0.0349528    total: 28.8s  remaining: 7.51s
793: learn: 0.0348951    total: 28.8s  remaining: 7.48s
794: learn: 0.0348650    total: 28.9s  remaining: 7.44s
795: learn: 0.0348167    total: 28.9s  remaining: 7.4s
796: learn: 0.0347448    total: 28.9s  remaining: 7.36s
797: learn: 0.0346753    total: 29s    remaining: 7.33s
798: learn: 0.0346285    total: 29s    remaining: 7.29s
799: learn: 0.0345767    total: 29s    remaining: 7.26s
800: learn: 0.0345408    total: 29.1s  remaining: 7.24s
801: learn: 0.0344917    total: 29.1s  remaining: 7.19s
802: learn: 0.0344469    total: 29.2s  remaining: 7.16s
803: learn: 0.0344069    total: 29.2s  remaining: 7.13s
804: learn: 0.0343561    total: 29.3s  remaining: 7.1s
805: learn: 0.0343140    total: 29.3s  remaining: 7.05s
806: learn: 0.0342846    total: 29.3s  remaining: 7.01s
807: learn: 0.0342353    total: 29.4s  remaining: 6.98s
644: learn: 0.0517126    total: 22.8s  remaining: 12.5s
645: learn: 0.0516101    total: 22.8s  remaining: 12.5s
646: learn: 0.0515103    total: 22.8s  remaining: 12.5s
647: learn: 0.0514619    total: 22.9s  remaining: 12.5s
648: learn: 0.0513662    total: 23s    remaining: 12.4s
649: learn: 0.0512939    total: 23s    remaining: 12.4s
650: learn: 0.0511886    total: 23s    remaining: 12.3s
651: learn: 0.0511028    total: 23s    remaining: 12.3s
652: learn: 0.0509806    total: 23.1s  remaining: 12.3s
653: learn: 0.0508896    total: 23.1s  remaining: 12.2s
654: learn: 0.0507784    total: 23.1s  remaining: 12.2s
655: learn: 0.0507427    total: 23.2s  remaining: 12.1s
656: learn: 0.0507015    total: 23.2s  remaining: 12.1s
657: learn: 0.0505828    total: 23.2s  remaining: 12.1s
658: learn: 0.0505767    total: 23.2s  remaining: 12s
659: learn: 0.0505466    total: 23.3s  remaining: 12s
660: learn: 0.0505215    total: 23.3s  remaining: 11.9s
661: learn: 0.0504216    total: 23.3s  remaining: 11.9s
662: learn: 0.0503963    total: 23.4s  remaining: 11.9s
663: learn: 0.0503305    total: 23.5s  remaining: 11.9s
664: learn: 0.0502635    total: 23.6s  remaining: 11.9s
665: learn: 0.0502186    total: 23.6s  remaining: 11.8s
666: learn: 0.0502070    total: 23.6s  remaining: 11.8s
667: learn: 0.0501843    total: 23.7s  remaining: 11.8s
668: learn: 0.0501663    total: 23.7s  remaining: 11.7s
669: learn: 0.0500573    total: 23.8s  remaining: 11.7s
670: learn: 0.0499801    total: 23.8s  remaining: 11.7s
671: learn: 0.0499636    total: 23.9s  remaining: 11.6s
672: learn: 0.0498748    total: 23.9s  remaining: 11.6s
673: learn: 0.0498384    total: 23.9s  remaining: 11.6s
674: learn: 0.0497802    total: 23.9s  remaining: 11.5s
675: learn: 0.0497732    total: 24s    remaining: 11.5s
676: learn: 0.0497009    total: 24s    remaining: 11.5s
677: learn: 0.0495852    total: 24s    remaining: 11.4s
678: learn: 0.0495088    total: 24.1s  remaining: 11.4s
679: learn: 0.0494180    total: 24.1s  remaining: 11.3s
680: learn: 0.0493272    total: 24.2s  remaining: 11.3s
681: learn: 0.0493140    total: 24.2s  remaining: 11.3s
682: learn: 0.0493102    total: 24.2s  remaining: 11.2s
683: learn: 0.0492790    total: 24.2s  remaining: 11.2s
684: learn: 0.0492148    total: 24.3s  remaining: 11.2s
685: learn: 0.0491111    total: 24.3s  remaining: 11.1s
686: learn: 0.0490085    total: 24.3s  remaining: 11.1s
687: learn: 0.0489622    total: 24.3s  remaining: 11s
688: learn: 0.0489096    total: 24.4s  remaining: 11s
689: learn: 0.0487782    total: 24.4s  remaining: 11s

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		houses_kaggle_competition_refined
690:	learn: 0.0487474	total: 24.5s remaining: 10.9s
691:	learn: 0.0486292	total: 24.5s remaining: 10.9s
692:	learn: 0.0486067	total: 24.5s remaining: 10.9s
693:	learn: 0.0485345	total: 24.6s remaining: 10.8s
694:	learn: 0.0484504	total: 24.6s remaining: 10.8s
695:	learn: 0.0483467	total: 24.7s remaining: 10.8s
696:	learn: 0.0482583	total: 24.7s remaining: 10.7s
697:	learn: 0.0481608	total: 24.7s remaining: 10.7s
698:	learn: 0.0481122	total: 24.7s remaining: 10.7s
699:	learn: 0.0480771	total: 24.8s remaining: 10.6s
700:	learn: 0.0480026	total: 24.9s remaining: 10.6s
701:	learn: 0.0479764	total: 24.9s remaining: 10.5s
702:	learn: 0.0479707	total: 24.9s remaining: 10.5s
703:	learn: 0.0479399	total: 24.9s remaining: 10.5s
704:	learn: 0.0478305	total: 25s remaining: 10.5s
705:	learn: 0.0477566	total: 25s remaining: 10.4s
706:	learn: 0.0476896	total: 25s remaining: 10.4s
707:	learn: 0.0476727	total: 25s remaining: 10.3s
708:	learn: 0.0475638	total: 25.1s remaining: 10.3s
709:	learn: 0.0474839	total: 25.1s remaining: 10.3s
710:	learn: 0.0474342	total: 25.2s remaining: 10.2s
711:	learn: 0.0473635	total: 25.2s remaining: 10.2s
712:	learn: 0.0472655	total: 25.2s remaining: 10.2s
713:	learn: 0.0472458	total: 25.3s remaining: 10.1s
714:	learn: 0.0471764	total: 25.3s remaining: 10.1s
715:	learn: 0.0471517	total: 25.3s remaining: 10.1s
716:	learn: 0.0470684	total: 25.4s remaining: 10s
717:	learn: 0.0470153	total: 25.4s remaining: 9.99s
718:	learn: 0.0469471	total: 25.5s remaining: 9.95s
719:	learn: 0.0468674	total: 25.5s remaining: 9.91s
720:	learn: 0.0467830	total: 25.6s remaining: 9.9s
721:	learn: 0.0467777	total: 25.6s remaining: 9.86s
722:	learn: 0.0467554	total: 25.6s remaining: 9.82s
723:	learn: 0.0466324	total: 25.7s remaining: 9.79s
724:	learn: 0.0465563	total: 25.7s remaining: 9.76s
725:	learn: 0.0464948	total: 25.7s remaining: 9.72s
726:	learn: 0.0464477	total: 25.8s remaining: 9.7s
727:	learn: 0.0464261	total: 25.9s remaining: 9.66s
728:	learn: 0.0463652	total: 25.9s remaining: 9.62s
729:	learn: 0.0462908	total: 25.9s remaining: 9.59s
730:	learn: 0.0462695	total: 26s remaining: 9.56s
731:	learn: 0.0462395	total: 26.1s remaining: 9.54s
732:	learn: 0.0462159	total: 26.1s remaining: 9.51s
733:	learn: 0.0461210	total: 26.1s remaining: 9.47s
734:	learn: 0.0460709	total: 26.2s remaining: 9.43s
735:	learn: 0.0459534	total: 26.2s remaining: 9.4s
736:	learn: 0.0459020	total: 26.2s remaining: 9.36s
737:	learn: 0.0458165	total: 26.3s remaining: 9.32s
738:	learn: 0.0457550	total: 26.3s remaining: 9.28s
739:	learn: 0.0456771	total: 26.3s remaining: 9.24s
740:	learn: 0.0456393	total: 26.3s remaining: 9.2s
741:	learn: 0.0455464	total: 26.4s remaining: 9.16s
742:	learn: 0.0455259	total: 26.4s remaining: 9.13s
743:	learn: 0.0454431	total: 26.4s remaining: 9.09s
744:	learn: 0.0454400	total: 26.4s remaining: 9.05s
745:	learn: 0.0453619	total: 26.5s remaining: 9.01s
746:	learn: 0.0452724	total: 26.5s remaining: 8.97s
747:	learn: 0.0452206	total: 26.6s remaining: 8.95s
748:	learn: 0.0451892	total: 26.6s remaining: 8.9s
749:	learn: 0.0451059	total: 26.6s remaining: 8.86s
750:	learn: 0.0450667	total: 26.6s remaining: 8.83s
751:	learn: 0.0450156	total: 26.7s remaining: 8.79s
752:	learn: 0.0450067	total: 26.7s remaining: 8.75s
753:	learn: 0.0449162	total: 26.7s remaining: 8.71s

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754: learn: 0.0448484 total: 26.7s remaining: 8.67s
755: learn: 0.0447863 total: 26.8s remaining: 8.63s
756: learn: 0.0447128 total: 26.8s remaining: 8.6s
757: learn: 0.0446495 total: 26.9s remaining: 8.59s
758: learn: 0.0446365 total: 26.9s remaining: 8.55s
759: learn: 0.0446010 total: 27s remaining: 8.51s
760: learn: 0.0444982 total: 27s remaining: 8.47s
761: learn: 0.0444560 total: 27s remaining: 8.45s
762: learn: 0.0443783 total: 27.1s remaining: 8.41s
763: learn: 0.0443049 total: 27.1s remaining: 8.38s
764: learn: 0.0442571 total: 27.2s remaining: 8.35s
765: learn: 0.0441835 total: 27.2s remaining: 8.31s
766: learn: 0.0441303 total: 27.2s remaining: 8.28s
767: learn: 0.0440721 total: 27.3s remaining: 8.25s
768: learn: 0.0440411 total: 27.4s remaining: 8.22s
769: learn: 0.0439919 total: 27.4s remaining: 8.19s
770: learn: 0.0439859 total: 27.4s remaining: 8.15s
771: learn: 0.0439231 total: 27.5s remaining: 8.13s
772: learn: 0.0438275 total: 27.6s remaining: 8.1s
773: learn: 0.0437753 total: 27.7s remaining: 8.08s
774: learn: 0.0437099 total: 27.7s remaining: 8.03s
775: learn: 0.0436268 total: 27.7s remaining: 8s
776: learn: 0.0435502 total: 27.7s remaining: 7.96s
777: learn: 0.0434945 total: 27.8s remaining: 7.92s
778: learn: 0.0434136 total: 27.8s remaining: 7.88s
779: learn: 0.0433918 total: 27.8s remaining: 7.84s
780: learn: 0.0433442 total: 27.8s remaining: 7.8s
781: learn: 0.0433291 total: 27.9s remaining: 7.77s
782: learn: 0.0432327 total: 27.9s remaining: 7.73s
783: learn: 0.0432277 total: 27.9s remaining: 7.7s
784: learn: 0.0431681 total: 27.9s remaining: 7.65s
785: learn: 0.0430761 total: 28s remaining: 7.61s
786: learn: 0.0430175 total: 28s remaining: 7.58s
787: learn: 0.0430049 total: 28s remaining: 7.54s
788: learn: 0.0429136 total: 28.1s remaining: 7.51s
789: learn: 0.0428946 total: 28.1s remaining: 7.47s
790: learn: 0.0428381 total: 28.1s remaining: 7.44s
791: learn: 0.0428139 total: 28.2s remaining: 7.4s
792: learn: 0.0426999 total: 28.2s remaining: 7.36s
793: learn: 0.0426657 total: 28.3s remaining: 7.33s
794: learn: 0.0425988 total: 28.3s remaining: 7.3s
795: learn: 0.0425079 total: 28.3s remaining: 7.26s
796: learn: 0.0424713 total: 28.4s remaining: 7.22s
797: learn: 0.0424172 total: 28.5s remaining: 7.2s
798: learn: 0.0423752 total: 28.5s remaining: 7.16s
799: learn: 0.0423558 total: 28.5s remaining: 7.12s
800: learn: 0.0422823 total: 28.6s remaining: 7.1s
801: learn: 0.0422250 total: 28.6s remaining: 7.07s
646: learn: 0.0474118 total: 23.1s remaining: 12.6s
647: learn: 0.0474074 total: 23.2s remaining: 12.6s
648: learn: 0.0473090 total: 23.3s remaining: 12.6s
649: learn: 0.0472547 total: 23.3s remaining: 12.5s
650: learn: 0.0471476 total: 23.4s remaining: 12.5s
651: learn: 0.0471058 total: 23.4s remaining: 12.5s
652: learn: 0.0470171 total: 23.4s remaining: 12.4s
653: learn: 0.0469585 total: 23.4s remaining: 12.4s
654: learn: 0.0468369 total: 23.5s remaining: 12.4s
655: learn: 0.0467419 total: 23.5s remaining: 12.3s
656: learn: 0.0467373 total: 23.5s remaining: 12.3s
657: learn: 0.0466456 total: 23.5s remaining: 12.2s
658: learn: 0.0465760 total: 23.6s remaining: 12.2s
659: learn: 0.0464620 total: 23.7s remaining: 12.2s
660: learn: 0.0463593 total: 23.7s remaining: 12.1s
661: learn: 0.0463308 total: 23.7s remaining: 12.1s

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662: learn: 0.0462622      total: 23.7s  remaining: 12.1s
663: learn: 0.0461811      total: 23.8s  remaining: 12s
664: learn: 0.0461116      total: 23.8s  remaining: 12s
665: learn: 0.0460742      total: 23.9s  remaining: 12s
666: learn: 0.0460034      total: 23.9s  remaining: 11.9s
667: learn: 0.0459107      total: 23.9s  remaining: 11.9s
668: learn: 0.0458404      total: 24s    remaining: 11.9s
669: learn: 0.0457655      total: 24s    remaining: 11.8s
670: learn: 0.0457617      total: 24s    remaining: 11.8s
671: learn: 0.0457164      total: 24s    remaining: 11.7s
672: learn: 0.0457118      total: 24.1s  remaining: 11.7s
673: learn: 0.0456321      total: 24.1s  remaining: 11.7s
674: learn: 0.0456270      total: 24.1s  remaining: 11.6s
675: learn: 0.0455163      total: 24.2s  remaining: 11.6s
676: learn: 0.0455123      total: 24.2s  remaining: 11.5s
677: learn: 0.0454463      total: 24.2s  remaining: 11.5s
678: learn: 0.0453646      total: 24.3s  remaining: 11.5s
679: learn: 0.0452922      total: 24.3s  remaining: 11.4s
680: learn: 0.0452277      total: 24.3s  remaining: 11.4s
681: learn: 0.0451433      total: 24.4s  remaining: 11.4s
682: learn: 0.0450604      total: 24.4s  remaining: 11.3s
683: learn: 0.0449827      total: 24.4s  remaining: 11.3s
684: learn: 0.0448932      total: 24.4s  remaining: 11.2s
685: learn: 0.0448207      total: 24.4s  remaining: 11.2s
686: learn: 0.0447315      total: 24.5s  remaining: 11.1s
687: learn: 0.0446548      total: 24.5s  remaining: 11.1s
688: learn: 0.0446202      total: 24.5s  remaining: 11.1s
689: learn: 0.0445303      total: 24.5s  remaining: 11s
690: learn: 0.0444435      total: 24.6s  remaining: 11s
691: learn: 0.0444235      total: 24.6s  remaining: 11s
692: learn: 0.0443632      total: 24.7s  remaining: 10.9s
693: learn: 0.0442785      total: 24.7s  remaining: 10.9s
694: learn: 0.0442420      total: 24.7s  remaining: 10.9s
695: learn: 0.0441761      total: 24.8s  remaining: 10.8s
696: learn: 0.0441730      total: 24.8s  remaining: 10.8s
697: learn: 0.0441098      total: 24.9s  remaining: 10.8s
698: learn: 0.0440418      total: 24.9s  remaining: 10.7s
699: learn: 0.0440192      total: 24.9s  remaining: 10.7s
700: learn: 0.0439473      total: 24.9s  remaining: 10.6s
701: learn: 0.0438787      total: 25s    remaining: 10.6s
702: learn: 0.0438747      total: 25s    remaining: 10.6s
703: learn: 0.0438158      total: 25s    remaining: 10.5s
704: learn: 0.0437613      total: 25.1s  remaining: 10.5s
705: learn: 0.0437151      total: 25.1s  remaining: 10.5s
706: learn: 0.0436412      total: 25.2s  remaining: 10.4s
707: learn: 0.0435382      total: 25.2s  remaining: 10.4s
708: learn: 0.0434402      total: 25.3s  remaining: 10.4s
709: learn: 0.0434052      total: 25.3s  remaining: 10.3s
710: learn: 0.0433026      total: 25.3s  remaining: 10.3s
711: learn: 0.0432351      total: 25.3s  remaining: 10.2s
712: learn: 0.0431406      total: 25.3s  remaining: 10.2s
713: learn: 0.0430864      total: 25.3s  remaining: 10.2s
714: learn: 0.0430834      total: 25.4s  remaining: 10.1s
715: learn: 0.0430344      total: 25.4s  remaining: 10.1s
716: learn: 0.0429274      total: 25.4s  remaining: 10s
717: learn: 0.0429248      total: 25.5s  remaining: 10s
718: learn: 0.0428288      total: 25.5s  remaining: 9.96s
719: learn: 0.0428252      total: 25.5s  remaining: 9.93s
720: learn: 0.0427695      total: 25.6s  remaining: 9.9s
721: learn: 0.0427341      total: 25.6s  remaining: 9.87s
722: learn: 0.0426533      total: 25.7s  remaining: 9.83s
723: learn: 0.0426035      total: 25.7s  remaining: 9.79s
724: learn: 0.0425777      total: 25.7s  remaining: 9.76s
725: learn: 0.0425414      total: 25.7s  remaining: 9.71s

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726: learn: 0.0424805      total: 25.8s  remaining: 9.68s
727: learn: 0.0424139      total: 25.8s  remaining: 9.63s
728: learn: 0.0423539      total: 25.8s  remaining: 9.6s
729: learn: 0.0422832      total: 25.8s  remaining: 9.55s
730: learn: 0.0422302      total: 25.8s  remaining: 9.51s
731: learn: 0.0421378      total: 25.9s  remaining: 9.46s
732: learn: 0.0420758      total: 25.9s  remaining: 9.42s
733: learn: 0.0419956      total: 25.9s  remaining: 9.38s
734: learn: 0.0419630      total: 25.9s  remaining: 9.33s
735: learn: 0.0418933      total: 25.9s  remaining: 9.29s
736: learn: 0.0418014      total: 25.9s  remaining: 9.25s
737: learn: 0.0417983      total: 25.9s  remaining: 9.21s
738: learn: 0.0417955      total: 26s    remaining: 9.18s
739: learn: 0.0417926      total: 26s    remaining: 9.13s
740: learn: 0.0416927      total: 26s    remaining: 9.1s
741: learn: 0.0416430      total: 26.1s  remaining: 9.07s
742: learn: 0.0415788      total: 26.2s  remaining: 9.05s
743: learn: 0.0414718      total: 26.2s  remaining: 9.01s
744: learn: 0.0414537      total: 26.3s  remaining: 8.99s
745: learn: 0.0414150      total: 26.3s  remaining: 8.96s
746: learn: 0.0413504      total: 26.3s  remaining: 8.92s
747: learn: 0.0412834      total: 26.4s  remaining: 8.91s
748: learn: 0.0412291      total: 26.5s  remaining: 8.87s
749: learn: 0.0412099      total: 26.5s  remaining: 8.83s
750: learn: 0.0411698      total: 26.5s  remaining: 8.8s
751: learn: 0.0411270      total: 26.6s  remaining: 8.79s
752: learn: 0.0410716      total: 26.7s  remaining: 8.75s
753: learn: 0.0410387      total: 26.7s  remaining: 8.7s
754: learn: 0.0409850      total: 26.7s  remaining: 8.66s
755: learn: 0.0409221      total: 26.7s  remaining: 8.63s
756: learn: 0.0408558      total: 26.8s  remaining: 8.6s
757: learn: 0.0408007      total: 26.8s  remaining: 8.56s
758: learn: 0.0407984      total: 26.8s  remaining: 8.52s
759: learn: 0.0407024      total: 26.9s  remaining: 8.48s
760: learn: 0.0406145      total: 26.9s  remaining: 8.46s
761: learn: 0.0405578      total: 27s    remaining: 8.44s
762: learn: 0.0405240      total: 27s    remaining: 8.39s
763: learn: 0.0404576      total: 27.1s  remaining: 8.36s
764: learn: 0.0403965      total: 27.1s  remaining: 8.32s
765: learn: 0.0403384      total: 27.1s  remaining: 8.29s
766: learn: 0.0402811      total: 27.2s  remaining: 8.25s
767: learn: 0.0402531      total: 27.2s  remaining: 8.22s
768: learn: 0.0402132      total: 27.3s  remaining: 8.19s
769: learn: 0.0401726      total: 27.3s  remaining: 8.16s
770: learn: 0.0401292      total: 27.4s  remaining: 8.13s
771: learn: 0.0400876      total: 27.4s  remaining: 8.09s
772: learn: 0.0400495      total: 27.4s  remaining: 8.05s
773: learn: 0.0400302      total: 27.5s  remaining: 8.02s
774: learn: 0.0399636      total: 27.5s  remaining: 7.99s
775: learn: 0.0399140      total: 27.6s  remaining: 7.96s
776: learn: 0.0398620      total: 27.6s  remaining: 7.92s
777: learn: 0.0398295      total: 27.7s  remaining: 7.89s
778: learn: 0.0397867      total: 27.7s  remaining: 7.87s
779: learn: 0.0397273      total: 27.7s  remaining: 7.82s
780: learn: 0.0396490      total: 27.8s  remaining: 7.79s
781: learn: 0.0395704      total: 27.8s  remaining: 7.76s
782: learn: 0.0395073      total: 27.9s  remaining: 7.73s
783: learn: 0.0394359      total: 27.9s  remaining: 7.69s
784: learn: 0.0394105      total: 27.9s  remaining: 7.64s
785: learn: 0.0393605      total: 28s    remaining: 7.61s
786: learn: 0.0392894      total: 28s    remaining: 7.58s
787: learn: 0.0392325      total: 28s    remaining: 7.54s
788: learn: 0.0392289      total: 28s    remaining: 7.5s
789: learn: 0.0391921      total: 28.1s  remaining: 7.46s

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790: learn: 0.0391384      total: 28.1s  remaining: 7.42s
791: learn: 0.0390804      total: 28.1s  remaining: 7.39s
792: learn: 0.0390334      total: 28.1s  remaining: 7.35s
793: learn: 0.0390310      total: 28.2s  remaining: 7.31s
794: learn: 0.0389906      total: 28.2s  remaining: 7.26s
795: learn: 0.0389387      total: 28.2s  remaining: 7.23s
796: learn: 0.0388726      total: 28.3s  remaining: 7.2s
797: learn: 0.0388133      total: 28.3s  remaining: 7.16s
798: learn: 0.0387761      total: 28.3s  remaining: 7.12s
799: learn: 0.0387614      total: 28.3s  remaining: 7.08s
800: learn: 0.0387041      total: 28.4s  remaining: 7.04s
801: learn: 0.0387009      total: 28.4s  remaining: 7.01s
802: learn: 0.0386467      total: 28.4s  remaining: 6.97s
803: learn: 0.0385791      total: 28.4s  remaining: 6.93s
805: learn: 0.0362157      total: 27.1s  remaining: 6.51s
806: learn: 0.0361642      total: 27.1s  remaining: 6.48s
807: learn: 0.0361009      total: 27.1s  remaining: 6.44s
808: learn: 0.0360170      total: 27.1s  remaining: 6.41s
809: learn: 0.0359811      total: 27.2s  remaining: 6.37s
810: learn: 0.0359342      total: 27.2s  remaining: 6.34s
811: learn: 0.0358804      total: 27.2s  remaining: 6.3s
812: learn: 0.0358181      total: 27.2s  remaining: 6.27s
813: learn: 0.0357693      total: 27.3s  remaining: 6.23s
814: learn: 0.0357488      total: 27.3s  remaining: 6.19s
815: learn: 0.0357217      total: 27.3s  remaining: 6.16s
816: learn: 0.0356742      total: 27.3s  remaining: 6.12s
817: learn: 0.0356116      total: 27.4s  remaining: 6.09s
818: learn: 0.0355281      total: 27.4s  remaining: 6.05s
819: learn: 0.0354982      total: 27.4s  remaining: 6.02s
820: learn: 0.0354673      total: 27.4s  remaining: 5.98s
821: learn: 0.0354220      total: 27.5s  remaining: 5.96s
822: learn: 0.0353689      total: 27.6s  remaining: 5.93s
823: learn: 0.0353433      total: 27.6s  remaining: 5.89s
824: learn: 0.0353118      total: 27.6s  remaining: 5.85s
825: learn: 0.0352543      total: 27.6s  remaining: 5.82s
826: learn: 0.0352042      total: 27.6s  remaining: 5.78s
827: learn: 0.0352016      total: 27.7s  remaining: 5.75s
828: learn: 0.0351432      total: 27.7s  remaining: 5.72s
829: learn: 0.0350917      total: 27.7s  remaining: 5.68s
830: learn: 0.0350336      total: 27.8s  remaining: 5.64s
831: learn: 0.0349718      total: 27.8s  remaining: 5.61s
832: learn: 0.0349233      total: 27.8s  remaining: 5.57s
833: learn: 0.0348783      total: 27.8s  remaining: 5.54s
834: learn: 0.0348150      total: 27.9s  remaining: 5.51s
835: learn: 0.0348126      total: 27.9s  remaining: 5.48s
836: learn: 0.0347791      total: 28s   remaining: 5.46s
837: learn: 0.0347277      total: 28.1s  remaining: 5.42s
838: learn: 0.0346783      total: 28.2s  remaining: 5.4s
839: learn: 0.0346516      total: 28.3s  remaining: 5.38s
840: learn: 0.0346169      total: 28.3s  remaining: 5.35s
841: learn: 0.0345920      total: 28.3s  remaining: 5.32s
842: learn: 0.0345905      total: 28.4s  remaining: 5.29s
843: learn: 0.0345499      total: 28.4s  remaining: 5.25s
844: learn: 0.0344842      total: 28.5s  remaining: 5.22s
845: learn: 0.0344297      total: 28.5s  remaining: 5.19s
846: learn: 0.0343741      total: 28.6s  remaining: 5.16s
847: learn: 0.0343262      total: 28.6s  remaining: 5.12s
848: learn: 0.0342978      total: 28.6s  remaining: 5.09s
849: learn: 0.0342550      total: 28.7s  remaining: 5.06s
850: learn: 0.0342534      total: 28.7s  remaining: 5.02s
851: learn: 0.0342036      total: 28.7s  remaining: 4.98s
852: learn: 0.0341552      total: 28.7s  remaining: 4.95s
853: learn: 0.0341227      total: 28.8s  remaining: 4.92s
854: learn: 0.0341184      total: 28.8s  remaining: 4.88s

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855: learn: 0.0340777    total: 28.8s  remaining: 4.85s
856: learn: 0.0340163    total: 28.9s  remaining: 4.82s
857: learn: 0.0339523    total: 28.9s  remaining: 4.78s
858: learn: 0.0339012    total: 28.9s  remaining: 4.75s
859: learn: 0.0338632    total: 28.9s  remaining: 4.71s
860: learn: 0.0338337    total: 28.9s  remaining: 4.67s
861: learn: 0.0337909    total: 29s    remaining: 4.64s
862: learn: 0.0337611    total: 29s    remaining: 4.61s
863: learn: 0.0336884    total: 29.1s  remaining: 4.57s
864: learn: 0.0336321    total: 29.1s  remaining: 4.54s
865: learn: 0.0336054    total: 29.2s  remaining: 4.51s
866: learn: 0.0336037    total: 29.2s  remaining: 4.48s
867: learn: 0.0335729    total: 29.2s  remaining: 4.45s
868: learn: 0.0335145    total: 29.3s  remaining: 4.42s
869: learn: 0.0334838    total: 29.3s  remaining: 4.38s
870: learn: 0.0334215    total: 29.3s  remaining: 4.34s
871: learn: 0.0333749    total: 29.4s  remaining: 4.31s
872: learn: 0.0333735    total: 29.4s  remaining: 4.28s
873: learn: 0.0333301    total: 29.5s  remaining: 4.25s
874: learn: 0.0333097    total: 29.5s  remaining: 4.21s
875: learn: 0.0332487    total: 29.6s  remaining: 4.18s
876: learn: 0.0332212    total: 29.6s  remaining: 4.15s
877: learn: 0.0331707    total: 29.6s  remaining: 4.12s
878: learn: 0.0331017    total: 29.7s  remaining: 4.08s
879: learn: 0.0330674    total: 29.7s  remaining: 4.05s
880: learn: 0.0330658    total: 29.8s  remaining: 4.02s
881: learn: 0.0330158    total: 29.8s  remaining: 3.98s
882: learn: 0.0329725    total: 29.8s  remaining: 3.95s
883: learn: 0.0329204    total: 29.9s  remaining: 3.92s
884: learn: 0.0328608    total: 29.9s  remaining: 3.88s
885: learn: 0.0328500    total: 29.9s  remaining: 3.85s
886: learn: 0.0328330    total: 29.9s  remaining: 3.81s
887: learn: 0.0328131    total: 30s    remaining: 3.78s
888: learn: 0.0327990    total: 30.1s  remaining: 3.76s
889: learn: 0.0327256    total: 30.1s  remaining: 3.72s
890: learn: 0.0326713    total: 30.2s  remaining: 3.69s
891: learn: 0.0326057    total: 30.2s  remaining: 3.66s
892: learn: 0.0325552    total: 30.3s  remaining: 3.63s
893: learn: 0.0325001    total: 30.4s  remaining: 3.6s
894: learn: 0.0324605    total: 30.4s  remaining: 3.56s
895: learn: 0.0324281    total: 30.4s  remaining: 3.53s
896: learn: 0.0324071    total: 30.5s  remaining: 3.5s
897: learn: 0.0323872    total: 30.5s  remaining: 3.46s
898: learn: 0.0323421    total: 30.5s  remaining: 3.43s
899: learn: 0.0323121    total: 30.5s  remaining: 3.39s
900: learn: 0.0323019    total: 30.6s  remaining: 3.36s
901: learn: 0.0322649    total: 30.6s  remaining: 3.32s
902: learn: 0.0322511    total: 30.6s  remaining: 3.29s
903: learn: 0.0322153    total: 30.6s  remaining: 3.25s
904: learn: 0.0321755    total: 30.6s  remaining: 3.22s
905: learn: 0.0320980    total: 30.7s  remaining: 3.18s
906: learn: 0.0320765    total: 30.7s  remaining: 3.15s
907: learn: 0.0320598    total: 30.7s  remaining: 3.11s
908: learn: 0.0320572    total: 30.8s  remaining: 3.08s
909: learn: 0.0320213    total: 30.8s  remaining: 3.05s
910: learn: 0.0319631    total: 30.9s  remaining: 3.02s
911: learn: 0.0319042    total: 31s    remaining: 2.99s
912: learn: 0.0318624    total: 31s    remaining: 2.96s
913: learn: 0.0318153    total: 31.1s  remaining: 2.92s
914: learn: 0.0318019    total: 31.1s  remaining: 2.89s
915: learn: 0.0317601    total: 31.2s  remaining: 2.86s
916: learn: 0.0317095    total: 31.2s  remaining: 2.83s
917: learn: 0.0316678    total: 31.3s  remaining: 2.79s
918: learn: 0.0316161    total: 31.3s  remaining: 2.76s

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919: learn: 0.0315789    total: 31.3s  remaining: 2.72s
920: learn: 0.0315388    total: 31.3s  remaining: 2.69s
921: learn: 0.0315273    total: 31.3s  remaining: 2.65s
922: learn: 0.0314925    total: 31.4s  remaining: 2.62s
923: learn: 0.0314497    total: 31.5s  remaining: 2.59s
924: learn: 0.0314284    total: 31.5s  remaining: 2.56s
925: learn: 0.0313593    total: 31.6s  remaining: 2.52s
926: learn: 0.0313056    total: 31.6s  remaining: 2.49s
927: learn: 0.0312680    total: 31.6s  remaining: 2.45s
928: learn: 0.0312571    total: 31.6s  remaining: 2.42s
929: learn: 0.0312116    total: 31.6s  remaining: 2.38s
930: learn: 0.0311423    total: 31.7s  remaining: 2.35s
931: learn: 0.0311010    total: 31.7s  remaining: 2.31s
932: learn: 0.0310569    total: 31.8s  remaining: 2.28s
933: learn: 0.0310062    total: 31.8s  remaining: 2.25s
934: learn: 0.0309894    total: 31.9s  remaining: 2.22s
935: learn: 0.0309525    total: 31.9s  remaining: 2.18s
936: learn: 0.0308969    total: 31.9s  remaining: 2.15s
937: learn: 0.0308532    total: 32s   remaining: 2.11s
938: learn: 0.0308081    total: 32.1s  remaining: 2.08s
939: learn: 0.0307765    total: 32.1s  remaining: 2.05s
940: learn: 0.0307354    total: 32.2s  remaining: 2.02s
941: learn: 0.0307099    total: 32.2s  remaining: 1.98s
942: learn: 0.0306584    total: 32.2s  remaining: 1.95s
943: learn: 0.0305941    total: 32.3s  remaining: 1.92s
944: learn: 0.0305783    total: 32.3s  remaining: 1.88s
945: learn: 0.0305434    total: 32.3s  remaining: 1.84s
946: learn: 0.0305069    total: 32.4s  remaining: 1.81s
947: learn: 0.0304734    total: 32.5s  remaining: 1.78s
948: learn: 0.0304187    total: 32.5s  remaining: 1.75s
949: learn: 0.0303724    total: 32.5s  remaining: 1.71s
950: learn: 0.0303487    total: 32.5s  remaining: 1.68s
951: learn: 0.0302867    total: 32.6s  remaining: 1.64s
952: learn: 0.0302592    total: 32.6s  remaining: 1.61s
953: learn: 0.0302542    total: 32.7s  remaining: 1.57s
954: learn: 0.0302215    total: 32.7s  remaining: 1.54s
955: learn: 0.0302001    total: 32.7s  remaining: 1.5s
956: learn: 0.0301658    total: 32.8s  remaining: 1.47s
957: learn: 0.0301335    total: 32.8s  remaining: 1.44s
958: learn: 0.0300855    total: 32.9s  remaining: 1.41s
959: learn: 0.0300023    total: 32.9s  remaining: 1.37s
960: learn: 0.0299545    total: 33s   remaining: 1.34s
961: learn: 0.0298808    total: 33s   remaining: 1.3s
962: learn: 0.0298422    total: 33.1s  remaining: 1.27s
747: learn: 0.0428182    total: 26s   remaining: 8.77s
748: learn: 0.0427781    total: 26.1s  remaining: 8.74s
749: learn: 0.0426870    total: 26.1s  remaining: 8.7s
750: learn: 0.0425947    total: 26.1s  remaining: 8.67s
751: learn: 0.0425076    total: 26.2s  remaining: 8.63s
752: learn: 0.0424565    total: 26.2s  remaining: 8.58s
753: learn: 0.0423840    total: 26.2s  remaining: 8.55s
754: learn: 0.0423131    total: 26.2s  remaining: 8.52s
755: learn: 0.0422973    total: 26.3s  remaining: 8.47s
756: learn: 0.0422399    total: 26.3s  remaining: 8.43s
757: learn: 0.0422065    total: 26.3s  remaining: 8.41s
758: learn: 0.0421613    total: 26.4s  remaining: 8.37s
759: learn: 0.0420738    total: 26.4s  remaining: 8.33s
760: learn: 0.0420319    total: 26.4s  remaining: 8.3s
761: learn: 0.0419865    total: 26.4s  remaining: 8.26s
762: learn: 0.0419024    total: 26.5s  remaining: 8.24s
763: learn: 0.0418423    total: 26.5s  remaining: 8.2s
764: learn: 0.0418021    total: 26.6s  remaining: 8.17s
765: learn: 0.0417856    total: 26.7s  remaining: 8.14s
766: learn: 0.0417355    total: 26.7s  remaining: 8.1s

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767: learn: 0.0416571    total: 26.7s  remaining: 8.06s
768: learn: 0.0416086    total: 26.7s  remaining: 8.01s
769: learn: 0.0415404    total: 26.8s  remaining: 7.99s
770: learn: 0.0414784    total: 26.8s  remaining: 7.95s
771: learn: 0.0414331    total: 26.8s  remaining: 7.92s
772: learn: 0.0414099    total: 26.9s  remaining: 7.89s
773: learn: 0.0413612    total: 26.9s  remaining: 7.86s
774: learn: 0.0413254    total: 26.9s  remaining: 7.82s
775: learn: 0.0413096    total: 27s    remaining: 7.79s
776: learn: 0.0412212    total: 27s    remaining: 7.76s
777: learn: 0.0411725    total: 27.1s  remaining: 7.72s
778: learn: 0.0411235    total: 27.1s  remaining: 7.68s
779: learn: 0.0410376    total: 27.1s  remaining: 7.65s
780: learn: 0.0410024    total: 27.2s  remaining: 7.62s
781: learn: 0.0409536    total: 27.2s  remaining: 7.58s
782: learn: 0.0408729    total: 27.2s  remaining: 7.55s
783: learn: 0.0408201    total: 27.3s  remaining: 7.52s
784: learn: 0.0407517    total: 27.3s  remaining: 7.47s
785: learn: 0.0406685    total: 27.3s  remaining: 7.44s
786: learn: 0.0406042    total: 27.3s  remaining: 7.4s
787: learn: 0.0405659    total: 27.4s  remaining: 7.38s
788: learn: 0.0405009    total: 27.5s  remaining: 7.35s
789: learn: 0.0404528    total: 27.5s  remaining: 7.32s
790: learn: 0.0403877    total: 27.5s  remaining: 7.28s
791: learn: 0.0403546    total: 27.6s  remaining: 7.25s
792: learn: 0.0403246    total: 27.6s  remaining: 7.21s
793: learn: 0.0402843    total: 27.6s  remaining: 7.17s
794: learn: 0.0402619    total: 27.7s  remaining: 7.14s
795: learn: 0.0402015    total: 27.7s  remaining: 7.11s
796: learn: 0.0401605    total: 27.8s  remaining: 7.07s
797: learn: 0.0400654    total: 27.8s  remaining: 7.05s
798: learn: 0.0400437    total: 27.9s  remaining: 7.02s
799: learn: 0.0400100    total: 27.9s  remaining: 6.97s
800: learn: 0.0399569    total: 27.9s  remaining: 6.94s
801: learn: 0.0399066    total: 28s    remaining: 6.92s
802: learn: 0.0398647    total: 28.1s  remaining: 6.88s
803: learn: 0.0398091    total: 28.1s  remaining: 6.85s
804: learn: 0.0397303    total: 28.2s  remaining: 6.83s
805: learn: 0.0396723    total: 28.2s  remaining: 6.79s
806: learn: 0.0396391    total: 28.2s  remaining: 6.75s
807: learn: 0.0395665    total: 28.3s  remaining: 6.72s
808: learn: 0.0394841    total: 28.3s  remaining: 6.67s
809: learn: 0.0393922    total: 28.3s  remaining: 6.63s
810: learn: 0.0393327    total: 28.4s  remaining: 6.61s
811: learn: 0.0393182    total: 28.4s  remaining: 6.57s
812: learn: 0.0392973    total: 28.4s  remaining: 6.53s
813: learn: 0.0392468    total: 28.4s  remaining: 6.5s
814: learn: 0.0392147    total: 28.5s  remaining: 6.46s
815: learn: 0.0391550    total: 28.5s  remaining: 6.43s
816: learn: 0.0390739    total: 28.5s  remaining: 6.39s
817: learn: 0.0390562    total: 28.6s  remaining: 6.36s
818: learn: 0.0389965    total: 28.7s  remaining: 6.34s
819: learn: 0.0389715    total: 28.7s  remaining: 6.3s
820: learn: 0.0389431    total: 28.8s  remaining: 6.27s
821: learn: 0.0389086    total: 28.8s  remaining: 6.24s
822: learn: 0.0388684    total: 28.9s  remaining: 6.21s
823: learn: 0.0388377    total: 28.9s  remaining: 6.17s
824: learn: 0.0387529    total: 28.9s  remaining: 6.14s
825: learn: 0.0387133    total: 29s    remaining: 6.1s
826: learn: 0.0386617    total: 29s    remaining: 6.07s
827: learn: 0.0385967    total: 29s    remaining: 6.03s
828: learn: 0.0385293    total: 29s    remaining: 5.99s
829: learn: 0.0384712    total: 29.1s  remaining: 5.96s
830: learn: 0.0384351    total: 29.1s  remaining: 5.92s

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831: learn: 0.0383895      total: 29.2s  remaining: 5.89s
832: learn: 0.0383320      total: 29.2s  remaining: 5.86s
833: learn: 0.0383020      total: 29.2s  remaining: 5.82s
834: learn: 0.0382623      total: 29.3s  remaining: 5.79s
835: learn: 0.0382171      total: 29.3s  remaining: 5.75s
836: learn: 0.0381979      total: 29.4s  remaining: 5.73s
837: learn: 0.0381725      total: 29.5s  remaining: 5.7s
838: learn: 0.0381182      total: 29.5s  remaining: 5.66s
839: learn: 0.0380817      total: 29.5s  remaining: 5.63s
840: learn: 0.0380136      total: 29.6s  remaining: 5.59s
841: learn: 0.0379892      total: 29.6s  remaining: 5.55s
842: learn: 0.0379078      total: 29.6s  remaining: 5.51s
843: learn: 0.0378773      total: 29.6s  remaining: 5.48s
844: learn: 0.0378039      total: 29.7s  remaining: 5.45s
845: learn: 0.0377313      total: 29.8s  remaining: 5.42s
846: learn: 0.0376804      total: 29.8s  remaining: 5.38s
847: learn: 0.0376228      total: 29.8s  remaining: 5.34s
848: learn: 0.0376039      total: 29.8s  remaining: 5.31s
849: learn: 0.0375658      total: 29.9s  remaining: 5.27s
850: learn: 0.0375031      total: 29.9s  remaining: 5.23s
851: learn: 0.0374318      total: 30s    remaining: 5.21s
852: learn: 0.0373677      total: 30.1s  remaining: 5.18s
853: learn: 0.0373196      total: 30.1s  remaining: 5.15s
854: learn: 0.0372506      total: 30.1s  remaining: 5.11s
855: learn: 0.0371810      total: 30.1s  remaining: 5.07s
856: learn: 0.0371162      total: 30.2s  remaining: 5.03s
857: learn: 0.0370950      total: 30.2s  remaining: 5s
858: learn: 0.0370622      total: 30.2s  remaining: 4.96s
859: learn: 0.0369982      total: 30.3s  remaining: 4.93s
860: learn: 0.0369864      total: 30.3s  remaining: 4.9s
861: learn: 0.0369365      total: 30.4s  remaining: 4.86s
862: learn: 0.0368697      total: 30.4s  remaining: 4.82s
863: learn: 0.0368295      total: 30.5s  remaining: 4.79s
864: learn: 0.0368079      total: 30.5s  remaining: 4.75s
865: learn: 0.0367601      total: 30.5s  remaining: 4.72s
866: learn: 0.0367139      total: 30.6s  remaining: 4.69s
867: learn: 0.0366883      total: 30.6s  remaining: 4.65s
868: learn: 0.0366560      total: 30.6s  remaining: 4.62s
869: learn: 0.0366409      total: 30.7s  remaining: 4.58s
870: learn: 0.0366011      total: 30.7s  remaining: 4.55s
871: learn: 0.0365598      total: 30.7s  remaining: 4.51s
872: learn: 0.0364962      total: 30.8s  remaining: 4.48s
873: learn: 0.0364689      total: 30.9s  remaining: 4.45s
874: learn: 0.0364421      total: 30.9s  remaining: 4.42s
875: learn: 0.0364011      total: 31s    remaining: 4.38s
876: learn: 0.0363857      total: 31s    remaining: 4.35s
877: learn: 0.0363373      total: 31.1s  remaining: 4.32s
878: learn: 0.0362852      total: 31.1s  remaining: 4.28s
879: learn: 0.0362442      total: 31.2s  remaining: 4.25s
880: learn: 0.0361663      total: 31.2s  remaining: 4.21s
881: learn: 0.0361171      total: 31.2s  remaining: 4.17s
882: learn: 0.0360845      total: 31.3s  remaining: 4.14s
883: learn: 0.0360498      total: 31.3s  remaining: 4.11s
884: learn: 0.0360059      total: 31.3s  remaining: 4.07s
885: learn: 0.0359418      total: 31.4s  remaining: 4.04s
886: learn: 0.0359063      total: 31.4s  remaining: 4s
887: learn: 0.0358605      total: 31.4s  remaining: 3.96s
888: learn: 0.0358076      total: 31.5s  remaining: 3.93s
889: learn: 0.0357587      total: 31.5s  remaining: 3.89s
890: learn: 0.0356980      total: 31.5s  remaining: 3.85s
891: learn: 0.0356752      total: 31.5s  remaining: 3.82s
892: learn: 0.0356146      total: 31.5s  remaining: 3.78s
893: learn: 0.0355630      total: 31.5s  remaining: 3.74s
894: learn: 0.0355172      total: 31.6s  remaining: 3.71s

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895: learn: 0.0354470    total: 31.7s  remaining: 3.67s
896: learn: 0.0353842    total: 31.7s  remaining: 3.64s
897: learn: 0.0353773    total: 31.7s  remaining: 3.6s
898: learn: 0.0353018    total: 31.7s  remaining: 3.56s
899: learn: 0.0352529    total: 31.8s  remaining: 3.53s
900: learn: 0.0352150    total: 31.8s  remaining: 3.49s
901: learn: 0.0351809    total: 31.8s  remaining: 3.46s
902: learn: 0.0351102    total: 31.8s  remaining: 3.42s
903: learn: 0.0351026    total: 31.9s  remaining: 3.38s
904: learn: 0.0350529    total: 31.9s  remaining: 3.35s
808: learn: 0.0341948    total: 29.4s  remaining: 6.95s
809: learn: 0.0341412    total: 29.5s  remaining: 6.91s
810: learn: 0.0340720    total: 29.5s  remaining: 6.87s
811: learn: 0.0340249    total: 29.5s  remaining: 6.83s
812: learn: 0.0339735    total: 29.5s  remaining: 6.79s
813: learn: 0.0339651    total: 29.5s  remaining: 6.75s
814: learn: 0.0339026    total: 29.6s  remaining: 6.71s
815: learn: 0.0338601    total: 29.7s  remaining: 6.69s
816: learn: 0.0338108    total: 29.8s  remaining: 6.67s
817: learn: 0.0337284    total: 29.8s  remaining: 6.62s
818: learn: 0.0336980    total: 29.8s  remaining: 6.59s
819: learn: 0.0336456    total: 29.8s  remaining: 6.55s
820: learn: 0.0336232    total: 29.9s  remaining: 6.52s
821: learn: 0.0335776    total: 29.9s  remaining: 6.47s
822: learn: 0.0335281    total: 29.9s  remaining: 6.43s
823: learn: 0.0334877    total: 29.9s  remaining: 6.39s
824: learn: 0.0334367    total: 30s   remaining: 6.36s
825: learn: 0.0334134    total: 30s   remaining: 6.32s
826: learn: 0.0333883    total: 30s   remaining: 6.28s
827: learn: 0.0333611    total: 30.1s  remaining: 6.24s
828: learn: 0.0333356    total: 30.1s  remaining: 6.21s
829: learn: 0.0332894    total: 30.1s  remaining: 6.17s
830: learn: 0.0332502    total: 30.2s  remaining: 6.14s
831: learn: 0.0332052    total: 30.2s  remaining: 6.1s
832: learn: 0.0331492    total: 30.3s  remaining: 6.06s
833: learn: 0.0331129    total: 30.3s  remaining: 6.03s
834: learn: 0.0330989    total: 30.3s  remaining: 6s
835: learn: 0.0330306    total: 30.4s  remaining: 5.96s
836: learn: 0.0329823    total: 30.4s  remaining: 5.92s
837: learn: 0.0329459    total: 30.4s  remaining: 5.88s
838: learn: 0.0328822    total: 30.5s  remaining: 5.84s
839: learn: 0.0328235    total: 30.5s  remaining: 5.81s
840: learn: 0.0327512    total: 30.5s  remaining: 5.77s
841: learn: 0.0326905    total: 30.6s  remaining: 5.74s
842: learn: 0.0326482    total: 30.6s  remaining: 5.7s
843: learn: 0.0326219    total: 30.7s  remaining: 5.67s
844: learn: 0.0325928    total: 30.7s  remaining: 5.63s
845: learn: 0.0325479    total: 30.7s  remaining: 5.59s
846: learn: 0.0324751    total: 30.7s  remaining: 5.54s
847: learn: 0.0324418    total: 30.7s  remaining: 5.5s
848: learn: 0.0324084    total: 30.7s  remaining: 5.47s
849: learn: 0.0323778    total: 30.8s  remaining: 5.43s
850: learn: 0.0323657    total: 30.8s  remaining: 5.39s
851: learn: 0.0323142    total: 30.9s  remaining: 5.37s
852: learn: 0.0322413    total: 30.9s  remaining: 5.32s
853: learn: 0.0322090    total: 30.9s  remaining: 5.29s
854: learn: 0.0321822    total: 31s   remaining: 5.25s
855: learn: 0.0321553    total: 31s   remaining: 5.22s
856: learn: 0.0321434    total: 31.1s  remaining: 5.19s
857: learn: 0.0320838    total: 31.1s  remaining: 5.15s
858: learn: 0.0320203    total: 31.1s  remaining: 5.11s
859: learn: 0.0319190    total: 31.2s  remaining: 5.08s
860: learn: 0.0318760    total: 31.2s  remaining: 5.04s
861: learn: 0.0317905    total: 31.2s  remaining: 5s

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862: learn: 0.0317138    total: 31.3s  remaining: 4.96s
863: learn: 0.0316687    total: 31.3s  remaining: 4.93s
864: learn: 0.0316074    total: 31.3s  remaining: 4.89s
865: learn: 0.0315636    total: 31.3s  remaining: 4.85s
866: learn: 0.0314955    total: 31.4s  remaining: 4.81s
867: learn: 0.0314498    total: 31.4s  remaining: 4.78s
868: learn: 0.0314208    total: 31.5s  remaining: 4.75s
869: learn: 0.0313779    total: 31.5s  remaining: 4.71s
870: learn: 0.0313273    total: 31.6s  remaining: 4.67s
871: learn: 0.0312812    total: 31.6s  remaining: 4.63s
872: learn: 0.0312234    total: 31.6s  remaining: 4.59s
873: learn: 0.0311682    total: 31.6s  remaining: 4.56s
874: learn: 0.0311424    total: 31.6s  remaining: 4.52s
875: learn: 0.0310715    total: 31.7s  remaining: 4.49s
876: learn: 0.0310519    total: 31.7s  remaining: 4.45s
877: learn: 0.0310070    total: 31.7s  remaining: 4.41s
878: learn: 0.0309740    total: 31.8s  remaining: 4.38s
879: learn: 0.0308842    total: 31.8s  remaining: 4.34s
880: learn: 0.0308500    total: 31.9s  remaining: 4.31s
881: learn: 0.0307988    total: 31.9s  remaining: 4.27s
882: learn: 0.0307559    total: 32s   remaining: 4.24s
883: learn: 0.0307300    total: 32s   remaining: 4.2s
884: learn: 0.0307140    total: 32.1s  remaining: 4.17s
885: learn: 0.0307007    total: 32.1s  remaining: 4.13s
886: learn: 0.0306568    total: 32.2s  remaining: 4.1s
887: learn: 0.0306041    total: 32.2s  remaining: 4.06s
888: learn: 0.0305393    total: 32.2s  remaining: 4.02s
889: learn: 0.0304943    total: 32.3s  remaining: 3.99s
890: learn: 0.0304511    total: 32.3s  remaining: 3.95s
891: learn: 0.0304103    total: 32.3s  remaining: 3.92s
892: learn: 0.0303481    total: 32.4s  remaining: 3.88s
893: learn: 0.0303098    total: 32.5s  remaining: 3.85s
894: learn: 0.0302654    total: 32.5s  remaining: 3.82s
895: learn: 0.0302286    total: 32.6s  remaining: 3.78s
896: learn: 0.0302116    total: 32.6s  remaining: 3.74s
897: learn: 0.0301630    total: 32.7s  remaining: 3.71s
898: learn: 0.0301131    total: 32.7s  remaining: 3.67s
899: learn: 0.0300573    total: 32.7s  remaining: 3.64s
900: learn: 0.0300327    total: 32.8s  remaining: 3.6s
901: learn: 0.0300055    total: 32.8s  remaining: 3.57s
902: learn: 0.0299791    total: 32.9s  remaining: 3.53s
903: learn: 0.0299488    total: 32.9s  remaining: 3.49s
904: learn: 0.0299131    total: 32.9s  remaining: 3.45s
905: learn: 0.0299013    total: 33s   remaining: 3.42s
906: learn: 0.0298472    total: 33s   remaining: 3.38s
907: learn: 0.0298040    total: 33s   remaining: 3.34s
908: learn: 0.0297595    total: 33s   remaining: 3.31s
909: learn: 0.0297172    total: 33.1s  remaining: 3.27s
910: learn: 0.0296663    total: 33.1s  remaining: 3.24s
911: learn: 0.0296431    total: 33.2s  remaining: 3.2s
912: learn: 0.0295903    total: 33.2s  remaining: 3.17s
913: learn: 0.0295390    total: 33.3s  remaining: 3.13s
914: learn: 0.0295139    total: 33.3s  remaining: 3.09s
915: learn: 0.0294996    total: 33.3s  remaining: 3.05s
916: learn: 0.0294668    total: 33.4s  remaining: 3.02s
917: learn: 0.0294188    total: 33.5s  remaining: 2.99s
918: learn: 0.0293745    total: 33.5s  remaining: 2.96s
919: learn: 0.0293503    total: 33.6s  remaining: 2.92s
920: learn: 0.0293080    total: 33.6s  remaining: 2.88s
921: learn: 0.0292819    total: 33.7s  remaining: 2.85s
922: learn: 0.0292354    total: 33.7s  remaining: 2.81s
923: learn: 0.0291801    total: 33.7s  remaining: 2.77s
924: learn: 0.0291239    total: 33.7s  remaining: 2.73s
925: learn: 0.0291189    total: 33.8s  remaining: 2.7s

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926: learn: 0.0290701    total: 33.8s  remaining: 2.66s
927: learn: 0.0290393    total: 33.9s  remaining: 2.63s
928: learn: 0.0290066    total: 33.9s  remaining: 2.59s
929: learn: 0.0289912    total: 33.9s  remaining: 2.55s
930: learn: 0.0289577    total: 33.9s  remaining: 2.52s
931: learn: 0.0289037    total: 34s    remaining: 2.48s
932: learn: 0.0288534    total: 34.1s  remaining: 2.44s
933: learn: 0.0288305    total: 34.1s  remaining: 2.41s
934: learn: 0.0288094    total: 34.1s  remaining: 2.37s
935: learn: 0.0287919    total: 34.1s  remaining: 2.33s
936: learn: 0.0287735    total: 34.1s  remaining: 2.29s
937: learn: 0.0287570    total: 34.2s  remaining: 2.26s
938: learn: 0.0286991    total: 34.2s  remaining: 2.22s
939: learn: 0.0286521    total: 34.2s  remaining: 2.19s
940: learn: 0.0286451    total: 34.3s  remaining: 2.15s
941: learn: 0.0286124    total: 34.3s  remaining: 2.11s
942: learn: 0.0285777    total: 34.4s  remaining: 2.08s
943: learn: 0.0285298    total: 34.4s  remaining: 2.04s
944: learn: 0.0285277    total: 34.4s  remaining: 2s
945: learn: 0.0284940    total: 34.5s  remaining: 1.97s
946: learn: 0.0284704    total: 34.5s  remaining: 1.93s
947: learn: 0.0284493    total: 34.6s  remaining: 1.9s
948: learn: 0.0284107    total: 34.6s  remaining: 1.86s
949: learn: 0.0283723    total: 34.6s  remaining: 1.82s
950: learn: 0.0283504    total: 34.7s  remaining: 1.79s
951: learn: 0.0283141    total: 34.8s  remaining: 1.75s
952: learn: 0.0282903    total: 34.8s  remaining: 1.72s
953: learn: 0.0282682    total: 34.8s  remaining: 1.68s
954: learn: 0.0282430    total: 34.8s  remaining: 1.64s
955: learn: 0.0282015    total: 34.9s  remaining: 1.6s
956: learn: 0.0281399    total: 34.9s  remaining: 1.57s
957: learn: 0.0280903    total: 34.9s  remaining: 1.53s
958: learn: 0.0280553    total: 34.9s  remaining: 1.49s
959: learn: 0.0279863    total: 35s    remaining: 1.46s
960: learn: 0.0279282    total: 35s    remaining: 1.42s
961: learn: 0.0278957    total: 35s    remaining: 1.38s
962: learn: 0.0278645    total: 35s    remaining: 1.35s
963: learn: 0.0278367    total: 35.1s  remaining: 1.31s
964: learn: 0.0278221    total: 35.1s  remaining: 1.27s
965: learn: 0.0277976    total: 35.1s  remaining: 1.24s
802: learn: 0.0421613    total: 28.7s  remaining: 7.03s
803: learn: 0.0420580    total: 28.7s  remaining: 6.99s
804: learn: 0.0419723    total: 28.7s  remaining: 6.95s
805: learn: 0.0419204    total: 28.7s  remaining: 6.92s
806: learn: 0.0418950    total: 28.7s  remaining: 6.88s
807: learn: 0.0418905    total: 28.8s  remaining: 6.83s
808: learn: 0.0418833    total: 28.8s  remaining: 6.8s
809: learn: 0.0418224    total: 28.8s  remaining: 6.76s
810: learn: 0.0417576    total: 28.9s  remaining: 6.74s
811: learn: 0.0416968    total: 28.9s  remaining: 6.69s
812: learn: 0.0416549    total: 29s    remaining: 6.66s
813: learn: 0.0415757    total: 29s    remaining: 6.62s
814: learn: 0.0414918    total: 29s    remaining: 6.58s
815: learn: 0.0414575    total: 29.1s  remaining: 6.55s
816: learn: 0.0413603    total: 29.1s  remaining: 6.51s
817: learn: 0.0413205    total: 29.1s  remaining: 6.47s
818: learn: 0.0412765    total: 29.2s  remaining: 6.44s
819: learn: 0.0412383    total: 29.2s  remaining: 6.41s
820: learn: 0.0411999    total: 29.2s  remaining: 6.37s
821: learn: 0.0411596    total: 29.3s  remaining: 6.34s
822: learn: 0.0411040    total: 29.3s  remaining: 6.3s
823: learn: 0.0410044    total: 29.3s  remaining: 6.26s
824: learn: 0.0409596    total: 29.3s  remaining: 6.22s
825: learn: 0.0409092    total: 29.4s  remaining: 6.18s

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826: learn: 0.0408491    total: 29.4s  remaining: 6.16s
827: learn: 0.0407888    total: 29.5s  remaining: 6.12s
828: learn: 0.0407780    total: 29.5s  remaining: 6.09s
829: learn: 0.0406995    total: 29.6s  remaining: 6.05s
830: learn: 0.0406471    total: 29.6s  remaining: 6.02s
831: learn: 0.0405909    total: 29.7s  remaining: 5.99s
832: learn: 0.0405588    total: 29.8s  remaining: 5.96s
833: learn: 0.0405395    total: 29.8s  remaining: 5.93s
834: learn: 0.0404737    total: 29.8s  remaining: 5.89s
835: learn: 0.0404311    total: 29.9s  remaining: 5.86s
836: learn: 0.0404001    total: 29.9s  remaining: 5.83s
837: learn: 0.0403147    total: 30s    remaining: 5.8s
838: learn: 0.0403079    total: 30s    remaining: 5.76s
839: learn: 0.0402314    total: 30.1s  remaining: 5.73s
840: learn: 0.0401773    total: 30.2s  remaining: 5.7s
841: learn: 0.0401183    total: 30.2s  remaining: 5.66s
842: learn: 0.0400494    total: 30.2s  remaining: 5.63s
843: learn: 0.0400022    total: 30.3s  remaining: 5.6s
844: learn: 0.0399199    total: 30.3s  remaining: 5.56s
845: learn: 0.0398918    total: 30.4s  remaining: 5.53s
846: learn: 0.0398186    total: 30.4s  remaining: 5.49s
847: learn: 0.0398085    total: 30.4s  remaining: 5.45s
848: learn: 0.0397919    total: 30.5s  remaining: 5.42s
849: learn: 0.0397253    total: 30.5s  remaining: 5.38s
850: learn: 0.0396735    total: 30.6s  remaining: 5.35s
851: learn: 0.0396092    total: 30.6s  remaining: 5.32s
852: learn: 0.0395446    total: 30.7s  remaining: 5.29s
853: learn: 0.0394938    total: 30.9s  remaining: 5.28s
854: learn: 0.0394703    total: 30.9s  remaining: 5.25s
855: learn: 0.0394624    total: 31s    remaining: 5.21s
856: learn: 0.0394275    total: 31s    remaining: 5.18s
857: learn: 0.0393381    total: 31.1s  remaining: 5.14s
858: learn: 0.0392987    total: 31.1s  remaining: 5.1s
859: learn: 0.0392313    total: 31.1s  remaining: 5.07s
860: learn: 0.0391878    total: 31.1s  remaining: 5.03s
861: learn: 0.0391310    total: 31.2s  remaining: 4.99s
862: learn: 0.0391122    total: 31.2s  remaining: 4.95s
863: learn: 0.0390307    total: 31.2s  remaining: 4.92s
864: learn: 0.0389780    total: 31.3s  remaining: 4.88s
865: learn: 0.0389595    total: 31.3s  remaining: 4.85s
866: learn: 0.0388618    total: 31.3s  remaining: 4.81s
867: learn: 0.0388006    total: 31.4s  remaining: 4.77s
868: learn: 0.0387750    total: 31.4s  remaining: 4.74s
869: learn: 0.0387726    total: 31.5s  remaining: 4.7s
870: learn: 0.0387664    total: 31.5s  remaining: 4.66s
871: learn: 0.0387239    total: 31.5s  remaining: 4.63s
872: learn: 0.0387199    total: 31.6s  remaining: 4.59s
873: learn: 0.0386595    total: 31.6s  remaining: 4.56s
874: learn: 0.0386359    total: 31.6s  remaining: 4.51s
875: learn: 0.0385715    total: 31.6s  remaining: 4.48s
876: learn: 0.0385152    total: 31.7s  remaining: 4.45s
877: learn: 0.0384790    total: 31.8s  remaining: 4.41s
878: learn: 0.0384016    total: 31.8s  remaining: 4.38s
879: learn: 0.0383563    total: 31.8s  remaining: 4.34s
880: learn: 0.0383181    total: 31.9s  remaining: 4.31s
881: learn: 0.0382752    total: 31.9s  remaining: 4.27s
882: learn: 0.0382282    total: 32s    remaining: 4.24s
883: learn: 0.0381699    total: 32s    remaining: 4.2s
884: learn: 0.0381387    total: 32s    remaining: 4.16s
885: learn: 0.0380803    total: 32.1s  remaining: 4.13s
886: learn: 0.0380214    total: 32.1s  remaining: 4.09s
887: learn: 0.0379660    total: 32.1s  remaining: 4.05s
888: learn: 0.0378796    total: 32.2s  remaining: 4.02s
889: learn: 0.0378279    total: 32.2s  remaining: 3.98s

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890: learn: 0.0377703    total: 32.2s  remaining: 3.94s
891: learn: 0.0377669    total: 32.2s  remaining: 3.9s
892: learn: 0.0376891    total: 32.2s  remaining: 3.86s
893: learn: 0.0376250    total: 32.3s  remaining: 3.83s
894: learn: 0.0375899    total: 32.3s  remaining: 3.79s
895: learn: 0.0375374    total: 32.3s  remaining: 3.75s
896: learn: 0.0375078    total: 32.3s  remaining: 3.71s
897: learn: 0.0374685    total: 32.3s  remaining: 3.67s
898: learn: 0.0374041    total: 32.3s  remaining: 3.63s
899: learn: 0.0373616    total: 32.3s  remaining: 3.59s
900: learn: 0.0373413    total: 32.3s  remaining: 3.55s
901: learn: 0.0373158    total: 32.4s  remaining: 3.52s
902: learn: 0.0373073    total: 32.4s  remaining: 3.48s
903: learn: 0.0373038    total: 32.4s  remaining: 3.44s
904: learn: 0.0372440    total: 32.4s  remaining: 3.4s
905: learn: 0.0371791    total: 32.4s  remaining: 3.37s
906: learn: 0.0371460    total: 32.4s  remaining: 3.33s
907: learn: 0.0371127    total: 32.4s  remaining: 3.29s
908: learn: 0.0371000    total: 32.5s  remaining: 3.25s
909: learn: 0.0370436    total: 32.5s  remaining: 3.21s
910: learn: 0.0370412    total: 32.5s  remaining: 3.17s
911: learn: 0.0369708    total: 32.5s  remaining: 3.13s
912: learn: 0.0369163    total: 32.5s  remaining: 3.1s
913: learn: 0.0368683    total: 32.5s  remaining: 3.06s
914: learn: 0.0368177    total: 32.5s  remaining: 3.02s
915: learn: 0.0368051    total: 32.5s  remaining: 2.98s
916: learn: 0.0367300    total: 32.5s  remaining: 2.95s
917: learn: 0.0366814    total: 32.6s  remaining: 2.91s
918: learn: 0.0366257    total: 32.6s  remaining: 2.87s
919: learn: 0.0365598    total: 32.6s  remaining: 2.84s
920: learn: 0.0365255    total: 32.6s  remaining: 2.8s
921: learn: 0.0364885    total: 32.7s  remaining: 2.76s
922: learn: 0.0364718    total: 32.7s  remaining: 2.73s
923: learn: 0.0364692    total: 32.8s  remaining: 2.7s
924: learn: 0.0364161    total: 32.8s  remaining: 2.66s
925: learn: 0.0363786    total: 32.8s  remaining: 2.62s
926: learn: 0.0363476    total: 32.8s  remaining: 2.59s
927: learn: 0.0363295    total: 32.9s  remaining: 2.55s
928: learn: 0.0363041    total: 32.9s  remaining: 2.51s
929: learn: 0.0362603    total: 32.9s  remaining: 2.48s
930: learn: 0.0362172    total: 32.9s  remaining: 2.44s
931: learn: 0.0361419    total: 33s   remaining: 2.4s
932: learn: 0.0361348    total: 33s   remaining: 2.37s
933: learn: 0.0360763    total: 33s   remaining: 2.33s
934: learn: 0.0360114    total: 33.1s  remaining: 2.3s
935: learn: 0.0359556    total: 33.1s  remaining: 2.26s
936: learn: 0.0359184    total: 33.1s  remaining: 2.23s
937: learn: 0.0358462    total: 33.2s  remaining: 2.19s
938: learn: 0.0357731    total: 33.2s  remaining: 2.15s
939: learn: 0.0357319    total: 33.2s  remaining: 2.12s
940: learn: 0.0356975    total: 33.3s  remaining: 2.09s
941: learn: 0.0356370    total: 33.3s  remaining: 2.05s
942: learn: 0.0356110    total: 33.3s  remaining: 2.01s
943: learn: 0.0355845    total: 33.4s  remaining: 1.98s
944: learn: 0.0355632    total: 33.4s  remaining: 1.94s
945: learn: 0.0354845    total: 33.4s  remaining: 1.91s
946: learn: 0.0354426    total: 33.5s  remaining: 1.87s
947: learn: 0.0353826    total: 33.5s  remaining: 1.84s
948: learn: 0.0353340    total: 33.5s  remaining: 1.8s
949: learn: 0.0353022    total: 33.6s  remaining: 1.77s
950: learn: 0.0352660    total: 33.6s  remaining: 1.73s
951: learn: 0.0352474    total: 33.6s  remaining: 1.69s
952: learn: 0.0352168    total: 33.6s  remaining: 1.66s
953: learn: 0.0351622    total: 33.6s  remaining: 1.62s

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954: learn: 0.0351501    total: 33.7s  remaining: 1.59s
955: learn: 0.0350905    total: 33.7s  remaining: 1.55s
956: learn: 0.0350604    total: 33.7s  remaining: 1.51s
957: learn: 0.0350186    total: 33.8s  remaining: 1.48s
958: learn: 0.0349870    total: 33.8s  remaining: 1.44s
959: learn: 0.0349418    total: 33.9s  remaining: 1.41s
804: learn: 0.0385763    total: 28.5s   remaining: 6.89s
805: learn: 0.0385403    total: 28.5s   remaining: 6.85s
806: learn: 0.0384843    total: 28.5s   remaining: 6.82s
807: learn: 0.0384207    total: 28.5s   remaining: 6.78s
808: learn: 0.0383619    total: 28.5s   remaining: 6.74s
809: learn: 0.0382603    total: 28.6s   remaining: 6.7s
810: learn: 0.0381897    total: 28.6s   remaining: 6.66s
811: learn: 0.0381315    total: 28.7s   remaining: 6.63s
812: learn: 0.0380769    total: 28.7s   remaining: 6.6s
813: learn: 0.0380116    total: 28.7s   remaining: 6.57s
814: learn: 0.0379510    total: 28.8s   remaining: 6.53s
815: learn: 0.0379021    total: 28.9s   remaining: 6.5s
816: learn: 0.0378609    total: 28.9s   remaining: 6.47s
817: learn: 0.0378496    total: 28.9s   remaining: 6.44s
818: learn: 0.0378047    total: 29s     remaining: 6.41s
819: learn: 0.0377786    total: 29.1s   remaining: 6.38s
820: learn: 0.0377450    total: 29.1s   remaining: 6.34s
821: learn: 0.0377320    total: 29.1s   remaining: 6.3s
822: learn: 0.0376484    total: 29.2s   remaining: 6.27s
823: learn: 0.0376020    total: 29.2s   remaining: 6.24s
824: learn: 0.0375519    total: 29.3s   remaining: 6.21s
825: learn: 0.0375364    total: 29.3s   remaining: 6.17s
826: learn: 0.0374583    total: 29.3s   remaining: 6.14s
827: learn: 0.0374148    total: 29.4s   remaining: 6.1s
828: learn: 0.0373635    total: 29.4s   remaining: 6.07s
829: learn: 0.0373266    total: 29.4s   remaining: 6.03s
830: learn: 0.0372524    total: 29.5s   remaining: 5.99s
831: learn: 0.0372306    total: 29.5s   remaining: 5.96s
832: learn: 0.0371966    total: 29.5s   remaining: 5.92s
833: learn: 0.0371604    total: 29.6s   remaining: 5.88s
834: learn: 0.0370868    total: 29.6s   remaining: 5.84s
835: learn: 0.0370212    total: 29.6s   remaining: 5.8s
836: learn: 0.0369764    total: 29.7s   remaining: 5.78s
837: learn: 0.0369740    total: 29.7s   remaining: 5.74s
838: learn: 0.0369274    total: 29.7s   remaining: 5.7s
839: learn: 0.0368778    total: 29.7s   remaining: 5.67s
840: learn: 0.0368225    total: 29.8s   remaining: 5.63s
841: learn: 0.0367945    total: 29.8s   remaining: 5.59s
842: learn: 0.0367741    total: 29.8s   remaining: 5.55s
843: learn: 0.0366893    total: 29.9s   remaining: 5.52s
844: learn: 0.0366103    total: 29.9s   remaining: 5.48s
845: learn: 0.0365568    total: 29.9s   remaining: 5.45s
846: learn: 0.0365147    total: 30s     remaining: 5.42s
847: learn: 0.0364748    total: 30s     remaining: 5.38s
848: learn: 0.0364526    total: 30.1s   remaining: 5.34s
849: learn: 0.0363811    total: 30.1s   remaining: 5.31s
850: learn: 0.0363142    total: 30.1s   remaining: 5.27s
851: learn: 0.0363117    total: 30.1s   remaining: 5.24s
852: learn: 0.0362707    total: 30.2s   remaining: 5.21s
853: learn: 0.0362461    total: 30.2s   remaining: 5.17s
854: learn: 0.0361794    total: 30.3s   remaining: 5.13s
855: learn: 0.0361200    total: 30.3s   remaining: 5.09s
856: learn: 0.0361002    total: 30.3s   remaining: 5.06s
857: learn: 0.0360634    total: 30.4s   remaining: 5.03s
858: learn: 0.0360035    total: 30.4s   remaining: 4.99s
859: learn: 0.0359345    total: 30.4s   remaining: 4.96s
860: learn: 0.0359073    total: 30.5s   remaining: 4.92s
861: learn: 0.0358444    total: 30.5s   remaining: 4.88s

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862: learn: 0.0358032      total: 30.6s  remaining: 4.85s
863: learn: 0.0357781      total: 30.6s  remaining: 4.81s
864: learn: 0.0356948      total: 30.6s  remaining: 4.78s
865: learn: 0.0356130      total: 30.6s  remaining: 4.74s
866: learn: 0.0355551      total: 30.6s  remaining: 4.7s
867: learn: 0.0354992      total: 30.6s  remaining: 4.66s
868: learn: 0.0354692      total: 30.7s  remaining: 4.63s
869: learn: 0.0354254      total: 30.7s  remaining: 4.59s
870: learn: 0.0354230      total: 30.8s  remaining: 4.56s
871: learn: 0.0353574      total: 30.9s  remaining: 4.53s
872: learn: 0.0353133      total: 30.9s  remaining: 4.5s
873: learn: 0.0352811      total: 31s    remaining: 4.46s
874: learn: 0.0352652      total: 31s    remaining: 4.43s
875: learn: 0.0352333      total: 31s    remaining: 4.39s
876: learn: 0.0351460      total: 31s    remaining: 4.35s
877: learn: 0.0351132      total: 31.1s  remaining: 4.32s
878: learn: 0.0350772      total: 31.1s  remaining: 4.28s
879: learn: 0.0350473      total: 31.1s  remaining: 4.25s
880: learn: 0.0350052      total: 31.2s  remaining: 4.21s
881: learn: 0.0349420      total: 31.2s  remaining: 4.18s
882: learn: 0.0348939      total: 31.3s  remaining: 4.14s
883: learn: 0.0348782      total: 31.3s  remaining: 4.11s
884: learn: 0.0348241      total: 31.3s  remaining: 4.07s
885: learn: 0.0348055      total: 31.3s  remaining: 4.03s
886: learn: 0.0347699      total: 31.4s  remaining: 4s
887: learn: 0.0347419      total: 31.4s  remaining: 3.96s
888: learn: 0.0346971      total: 31.4s  remaining: 3.92s
889: learn: 0.0346503      total: 31.4s  remaining: 3.88s
890: learn: 0.0346310      total: 31.5s  remaining: 3.85s
891: learn: 0.0345877      total: 31.5s  remaining: 3.82s
892: learn: 0.0345511      total: 31.5s  remaining: 3.78s
893: learn: 0.0345366      total: 31.6s  remaining: 3.74s
894: learn: 0.0345343      total: 31.6s  remaining: 3.71s
895: learn: 0.0344756      total: 31.6s  remaining: 3.67s
896: learn: 0.0344543      total: 31.6s  remaining: 3.63s
897: learn: 0.0343673      total: 31.6s  remaining: 3.59s
898: learn: 0.0343010      total: 31.7s  remaining: 3.56s
899: learn: 0.0342694      total: 31.7s  remaining: 3.53s
900: learn: 0.0342651      total: 31.8s  remaining: 3.49s
901: learn: 0.0341987      total: 31.8s  remaining: 3.46s
902: learn: 0.0341775      total: 31.9s  remaining: 3.42s
903: learn: 0.0341446      total: 31.9s  remaining: 3.38s
904: learn: 0.0340919      total: 31.9s  remaining: 3.35s
905: learn: 0.0340342      total: 31.9s  remaining: 3.31s
906: learn: 0.0339870      total: 31.9s  remaining: 3.27s
907: learn: 0.0339551      total: 32s    remaining: 3.24s
908: learn: 0.0339038      total: 32s    remaining: 3.2s
909: learn: 0.0338552      total: 32s    remaining: 3.17s
910: learn: 0.0338035      total: 32.1s  remaining: 3.13s
911: learn: 0.0337937      total: 32.1s  remaining: 3.1s
912: learn: 0.0337460      total: 32.1s  remaining: 3.06s
913: learn: 0.0336699      total: 32.1s  remaining: 3.02s
914: learn: 0.0336355      total: 32.2s  remaining: 2.99s
915: learn: 0.0335807      total: 32.2s  remaining: 2.95s
916: learn: 0.0335403      total: 32.2s  remaining: 2.91s
917: learn: 0.0334994      total: 32.2s  remaining: 2.88s
918: learn: 0.0334643      total: 32.3s  remaining: 2.85s
919: learn: 0.0334447      total: 32.3s  remaining: 2.81s
920: learn: 0.0333858      total: 32.3s  remaining: 2.77s
921: learn: 0.0333395      total: 32.4s  remaining: 2.74s
922: learn: 0.0332878      total: 32.4s  remaining: 2.71s
923: learn: 0.0332489      total: 32.4s  remaining: 2.67s
924: learn: 0.0332176      total: 32.5s  remaining: 2.63s
925: learn: 0.0331745      total: 32.5s  remaining: 2.6s

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926: learn: 0.0331212    total: 32.5s  remaining: 2.56s
927: learn: 0.0330841    total: 32.5s  remaining: 2.52s
928: learn: 0.0330178    total: 32.5s  remaining: 2.48s
929: learn: 0.0329892    total: 32.5s  remaining: 2.45s
930: learn: 0.0329499    total: 32.6s  remaining: 2.41s
931: learn: 0.0329107    total: 32.6s  remaining: 2.38s
932: learn: 0.0328735    total: 32.6s  remaining: 2.34s
933: learn: 0.0328172    total: 32.6s  remaining: 2.31s
934: learn: 0.0327741    total: 32.7s  remaining: 2.27s
935: learn: 0.0327517    total: 32.7s  remaining: 2.24s
936: learn: 0.0327333    total: 32.7s  remaining: 2.2s
937: learn: 0.0326628    total: 32.8s  remaining: 2.17s
938: learn: 0.0326110    total: 32.8s  remaining: 2.13s
939: learn: 0.0325875    total: 32.8s  remaining: 2.09s
940: learn: 0.0325609    total: 32.8s  remaining: 2.06s
941: learn: 0.0324843    total: 32.8s  remaining: 2.02s
942: learn: 0.0324356    total: 32.8s  remaining: 1.98s
943: learn: 0.0324261    total: 32.8s  remaining: 1.95s
944: learn: 0.0323671    total: 32.8s  remaining: 1.91s
945: learn: 0.0323355    total: 32.8s  remaining: 1.87s
946: learn: 0.0323120    total: 32.8s  remaining: 1.84s
947: learn: 0.0322798    total: 32.8s  remaining: 1.8s
948: learn: 0.0322210    total: 32.8s  remaining: 1.76s
949: learn: 0.0322094    total: 32.8s  remaining: 1.73s
950: learn: 0.0321728    total: 32.9s  remaining: 1.69s
951: learn: 0.0321706    total: 32.9s  remaining: 1.66s
952: learn: 0.0321138    total: 32.9s  remaining: 1.62s
953: learn: 0.0320601    total: 32.9s  remaining: 1.59s
954: learn: 0.0320287    total: 33s   remaining: 1.56s
955: learn: 0.0320146    total: 33.1s  remaining: 1.52s
956: learn: 0.0319898    total: 33.1s  remaining: 1.49s
957: learn: 0.0319348    total: 33.1s  remaining: 1.45s
958: learn: 0.0318501    total: 33.1s  remaining: 1.42s
959: learn: 0.0318197    total: 33.2s  remaining: 1.38s
960: learn: 0.0317717    total: 33.2s  remaining: 1.35s
961: learn: 0.0317070    total: 33.2s  remaining: 1.31s
905: learn: 0.0349866    total: 31.9s  remaining: 3.31s
906: learn: 0.0349431    total: 31.9s  remaining: 3.27s
907: learn: 0.0349113    total: 32s   remaining: 3.24s
908: learn: 0.0348464    total: 32s   remaining: 3.2s
909: learn: 0.0348178    total: 32s   remaining: 3.16s
910: learn: 0.0347901    total: 32s   remaining: 3.12s
911: learn: 0.0347189    total: 32s   remaining: 3.09s
912: learn: 0.0347001    total: 32s   remaining: 3.05s
913: learn: 0.0346493    total: 32.1s  remaining: 3.02s
914: learn: 0.0345904    total: 32.1s  remaining: 2.98s
915: learn: 0.0345390    total: 32.1s  remaining: 2.94s
916: learn: 0.0345046    total: 32.2s  remaining: 2.91s
917: learn: 0.0344765    total: 32.2s  remaining: 2.88s
918: learn: 0.0344517    total: 32.2s  remaining: 2.84s
919: learn: 0.0343973    total: 32.3s  remaining: 2.81s
920: learn: 0.0343684    total: 32.3s  remaining: 2.77s
921: learn: 0.0343427    total: 32.3s  remaining: 2.73s
922: learn: 0.0342891    total: 32.4s  remaining: 2.7s
923: learn: 0.0342329    total: 32.4s  remaining: 2.67s
924: learn: 0.0341671    total: 32.4s  remaining: 2.63s
925: learn: 0.0341007    total: 32.5s  remaining: 2.59s
926: learn: 0.0340514    total: 32.5s  remaining: 2.56s
927: learn: 0.0339767    total: 32.5s  remaining: 2.52s
928: learn: 0.0339540    total: 32.5s  remaining: 2.49s
929: learn: 0.0339093    total: 32.6s  remaining: 2.45s
930: learn: 0.0338957    total: 32.6s  remaining: 2.42s
931: learn: 0.0338430    total: 32.7s  remaining: 2.39s
932: learn: 0.0338078    total: 32.7s  remaining: 2.35s

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933: learn: 0.0337712      total: 32.7s  remaining: 2.31s
934: learn: 0.0337108      total: 32.8s  remaining: 2.28s
935: learn: 0.0336682      total: 32.8s  remaining: 2.24s
936: learn: 0.0336089      total: 32.8s  remaining: 2.21s
937: learn: 0.0335714      total: 32.8s  remaining: 2.17s
938: learn: 0.0334970      total: 32.8s  remaining: 2.13s
939: learn: 0.0334736      total: 32.9s  remaining: 2.1s
940: learn: 0.0334320      total: 32.9s  remaining: 2.06s
941: learn: 0.0334000      total: 32.9s  remaining: 2.03s
942: learn: 0.0333296      total: 32.9s  remaining: 1.99s
943: learn: 0.0332982      total: 32.9s  remaining: 1.95s
944: learn: 0.0332693      total: 33s    remaining: 1.92s
945: learn: 0.0332383      total: 33s    remaining: 1.89s
946: learn: 0.0331701      total: 33.1s  remaining: 1.85s
947: learn: 0.0331376      total: 33.1s  remaining: 1.81s
948: learn: 0.0330935      total: 33.1s  remaining: 1.78s
949: learn: 0.0330725      total: 33.1s  remaining: 1.74s
950: learn: 0.0330368      total: 33.1s  remaining: 1.71s
951: learn: 0.0329961      total: 33.1s  remaining: 1.67s
952: learn: 0.0329482      total: 33.1s  remaining: 1.63s
953: learn: 0.0329190      total: 33.1s  remaining: 1.6s
954: learn: 0.0329007      total: 33.1s  remaining: 1.56s
955: learn: 0.0328547      total: 33.2s  remaining: 1.53s
956: learn: 0.0328232      total: 33.2s  remaining: 1.49s
957: learn: 0.0328004      total: 33.2s  remaining: 1.46s
958: learn: 0.0327519      total: 33.2s  remaining: 1.42s
959: learn: 0.0327296      total: 33.2s  remaining: 1.39s
960: learn: 0.0327068      total: 33.3s  remaining: 1.35s
961: learn: 0.0326665      total: 33.3s  remaining: 1.31s
962: learn: 0.0326216      total: 33.3s  remaining: 1.28s
963: learn: 0.0325950      total: 33.3s  remaining: 1.24s
964: learn: 0.0325540      total: 33.3s  remaining: 1.21s
965: learn: 0.0325072      total: 33.4s  remaining: 1.17s
966: learn: 0.0324783      total: 33.4s  remaining: 1.14s
967: learn: 0.0324436      total: 33.5s  remaining: 1.11s
968: learn: 0.0324129      total: 33.5s  remaining: 1.07s
969: learn: 0.0323794      total: 33.5s  remaining: 1.03s
970: learn: 0.0323529      total: 33.5s  remaining: 1s
971: learn: 0.0323224      total: 33.6s  remaining: 967ms
972: learn: 0.0322912      total: 33.6s  remaining: 932ms
973: learn: 0.0322438      total: 33.6s  remaining: 898ms
974: learn: 0.0321777      total: 33.7s  remaining: 865ms
975: learn: 0.0321294      total: 33.8s  remaining: 830ms
976: learn: 0.0320843      total: 33.8s  remaining: 795ms
977: learn: 0.0320334      total: 33.8s  remaining: 761ms
978: learn: 0.0319990      total: 33.8s  remaining: 726ms
979: learn: 0.0319694      total: 33.9s  remaining: 692ms
980: learn: 0.0319028      total: 33.9s  remaining: 657ms
981: learn: 0.0318674      total: 33.9s  remaining: 622ms
982: learn: 0.0318223      total: 34s    remaining: 587ms
983: learn: 0.0318106      total: 34s    remaining: 553ms
984: learn: 0.0317746      total: 34.1s  remaining: 519ms
985: learn: 0.0317432      total: 34.1s  remaining: 484ms
986: learn: 0.0317043      total: 34.1s  remaining: 449ms
987: learn: 0.0316530      total: 34.1s  remaining: 414ms
988: learn: 0.0316498      total: 34.1s  remaining: 380ms
989: learn: 0.0316307      total: 34.1s  remaining: 345ms
990: learn: 0.0316231      total: 34.2s  remaining: 310ms
991: learn: 0.0315803      total: 34.2s  remaining: 276ms
992: learn: 0.0315413      total: 34.2s  remaining: 241ms
993: learn: 0.0314928      total: 34.2s  remaining: 207ms
994: learn: 0.0314640      total: 34.3s  remaining: 172ms
995: learn: 0.0314314      total: 34.3s  remaining: 138ms
996: learn: 0.0314042      total: 34.3s  remaining: 103ms

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997: learn: 0.0313871
998: learn: 0.0313486
999: learn: 0.0313038
Learning rate set to 0.040511
0: learn: 0.3967803
1: learn: 0.3866309
2: learn: 0.3775292
3: learn: 0.3681098
4: learn: 0.3587577
5: learn: 0.3499947
6: learn: 0.3413473
7: learn: 0.3332949
8: learn: 0.3262456
9: learn: 0.3184967
10: learn: 0.3123784
11: learn: 0.3052176
12: learn: 0.2980303
13: learn: 0.2916212
14: learn: 0.2852806
15: learn: 0.2797698
16: learn: 0.2739332
17: learn: 0.2686868
18: learn: 0.2636031
19: learn: 0.2582906
20: learn: 0.2532312
21: learn: 0.2487258
22: learn: 0.2441166
23: learn: 0.2396254
24: learn: 0.2360585
25: learn: 0.2319287
26: learn: 0.2280573
27: learn: 0.2244402
28: learn: 0.2205027
29: learn: 0.2165035
30: learn: 0.2129354
31: learn: 0.2096895
32: learn: 0.2067179
33: learn: 0.2036152
34: learn: 0.2010974
35: learn: 0.1983399
36: learn: 0.1955538
37: learn: 0.1928974
38: learn: 0.1902101
39: learn: 0.1880121
40: learn: 0.1857792
41: learn: 0.1830540
42: learn: 0.1806879
43: learn: 0.1785803
44: learn: 0.1764297
45: learn: 0.1743125
46: learn: 0.1723227
47: learn: 0.1704039
48: learn: 0.1685776
49: learn: 0.1666890
50: learn: 0.1649468
51: learn: 0.1631921
52: learn: 0.1615494
53: learn: 0.1600360
54: learn: 0.1584512
55: learn: 0.1571861
56: learn: 0.1558786
57: learn: 0.1545425
58: learn: 0.1532642
59: learn: 0.1518755

houses_kaggle_competition_refined

total: 34.3s    remaining: 68.7ms
total: 34.3s    remaining: 34.3ms
total: 34.3s    remaining: 0us

total: 57.1ms   remaining: 57s
total: 60.8ms   remaining: 30.3s
total: 64.6ms   remaining: 21.5s
total: 68.6ms   remaining: 17.1s
total: 75ms     remaining: 14.9s
total: 79.3ms   remaining: 13.1s
total: 83ms     remaining: 11.8s
total: 92.6ms   remaining: 11.5s
total: 101ms    remaining: 11.1s
total: 106ms    remaining: 10.5s
total: 112ms    remaining: 10.1s
total: 119ms    remaining: 9.82s
total: 127ms    remaining: 9.66s
total: 134ms    remaining: 9.41s
total: 137ms    remaining: 9.01s
total: 158ms    remaining: 9.73s
total: 163ms    remaining: 9.42s
total: 167ms    remaining: 9.13s
total: 174ms    remaining: 8.99s
total: 179ms    remaining: 8.75s
total: 182ms    remaining: 8.48s
total: 184ms    remaining: 8.17s
total: 186ms    remaining: 7.9s
total: 188ms    remaining: 7.66s
total: 191ms    remaining: 7.43s
total: 192ms    remaining: 7.21s
total: 195ms    remaining: 7.02s
total: 241ms    remaining: 8.36s
total: 246ms    remaining: 8.23s
total: 258ms    remaining: 8.33s
total: 265ms    remaining: 8.27s
total: 273ms    remaining: 8.27s
total: 284ms    remaining: 8.31s
total: 291ms    remaining: 8.27s
total: 294ms    remaining: 8.1s
total: 298ms    remaining: 7.98s
total: 304ms    remaining: 7.92s
total: 308ms    remaining: 7.79s
total: 312ms    remaining: 7.68s
total: 315ms    remaining: 7.55s
total: 320ms    remaining: 7.49s
total: 329ms    remaining: 7.5s
total: 332ms    remaining: 7.38s
total: 334ms    remaining: 7.25s
total: 336ms    remaining: 7.13s
total: 339ms    remaining: 7.03s
total: 342ms    remaining: 6.93s
total: 344ms    remaining: 6.83s
total: 347ms    remaining: 6.74s
total: 349ms    remaining: 6.63s
total: 352ms    remaining: 6.54s
total: 355ms    remaining: 6.47s
total: 359ms    remaining: 6.42s
total: 362ms    remaining: 6.35s
total: 365ms    remaining: 6.28s
total: 368ms    remaining: 6.21s
total: 370ms    remaining: 6.12s
total: 372ms    remaining: 6.04s
total: 376ms    remaining: 5.99s
total: 378ms    remaining: 5.93s

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60: learn: 0.1503959    total: 381ms    remaining: 5.86s
61: learn: 0.1491395    total: 383ms    remaining: 5.79s
62: learn: 0.1477891    total: 385ms    remaining: 5.73s
63: learn: 0.1465444    total: 387ms    remaining: 5.66s
64: learn: 0.1454335    total: 391ms    remaining: 5.62s
65: learn: 0.1441964    total: 394ms    remaining: 5.58s
66: learn: 0.1430924    total: 400ms    remaining: 5.57s
67: learn: 0.1420813    total: 409ms    remaining: 5.61s
68: learn: 0.1410101    total: 413ms    remaining: 5.57s
69: learn: 0.1401077    total: 425ms    remaining: 5.65s
70: learn: 0.1390495    total: 441ms    remaining: 5.77s
71: learn: 0.1380875    total: 448ms    remaining: 5.78s
72: learn: 0.1372694    total: 452ms    remaining: 5.75s
73: learn: 0.1364957    total: 458ms    remaining: 5.73s
74: learn: 0.1355385    total: 464ms    remaining: 5.72s
75: learn: 0.1347804    total: 469ms    remaining: 5.71s
76: learn: 0.1338499    total: 474ms    remaining: 5.68s
77: learn: 0.1330591    total: 482ms    remaining: 5.69s
78: learn: 0.1323330    total: 489ms    remaining: 5.7s
79: learn: 0.1315641    total: 496ms    remaining: 5.7s
80: learn: 0.1308536    total: 502ms    remaining: 5.7s
81: learn: 0.1302907    total: 509ms    remaining: 5.69s
82: learn: 0.1295798    total: 515ms    remaining: 5.69s
83: learn: 0.1289575    total: 521ms    remaining: 5.68s
84: learn: 0.1283043    total: 525ms    remaining: 5.65s
85: learn: 0.1277137    total: 538ms    remaining: 5.72s
86: learn: 0.1269444    total: 542ms    remaining: 5.69s
87: learn: 0.1262077    total: 546ms    remaining: 5.66s
88: learn: 0.1256865    total: 551ms    remaining: 5.64s
89: learn: 0.1250348    total: 558ms    remaining: 5.64s
90: learn: 0.1242253    total: 563ms    remaining: 5.62s
91: learn: 0.1237109    total: 570ms    remaining: 5.63s
92: learn: 0.1233339    total: 576ms    remaining: 5.62s
93: learn: 0.1228423    total: 584ms    remaining: 5.63s
94: learn: 0.1222535    total: 591ms    remaining: 5.63s
95: learn: 0.1217828    total: 597ms    remaining: 5.62s
96: learn: 0.1213185    total: 606ms    remaining: 5.64s
97: learn: 0.1208142    total: 617ms    remaining: 5.68s
98: learn: 0.1202855    total: 638ms    remaining: 5.8s
99: learn: 0.1198368    total: 669ms    remaining: 6.02s
100: learn: 0.1194658   total: 674ms    remaining: 6s
101: learn: 0.1190171   total: 684ms    remaining: 6.02s
102: learn: 0.1184860   total: 692ms    remaining: 6.02s
103: learn: 0.1180288   total: 698ms    remaining: 6.02s
104: learn: 0.1176460   total: 704ms    remaining: 6s
105: learn: 0.1170491   total: 708ms    remaining: 5.97s
106: learn: 0.1165300   total: 712ms    remaining: 5.94s
107: learn: 0.1160070   total: 719ms    remaining: 5.94s
108: learn: 0.1155618   total: 721ms    remaining: 5.9s
109: learn: 0.1152263   total: 724ms    remaining: 5.86s
110: learn: 0.1147453   total: 727ms    remaining: 5.82s
111: learn: 0.1142825   total: 730ms    remaining: 5.78s
112: learn: 0.1139091   total: 732ms    remaining: 5.75s
113: learn: 0.1135159   total: 735ms    remaining: 5.71s
114: learn: 0.1131815   total: 738ms    remaining: 5.68s
115: learn: 0.1127566   total: 740ms    remaining: 5.64s
116: learn: 0.1124576   total: 744ms    remaining: 5.62s
117: learn: 0.1121000   total: 748ms    remaining: 5.59s
118: learn: 0.1116373   total: 751ms    remaining: 5.56s
119: learn: 0.1112445   total: 754ms    remaining: 5.53s
120: learn: 0.1108513   total: 760ms    remaining: 5.52s
121: learn: 0.1105042   total: 774ms    remaining: 5.57s
122: learn: 0.1102282   total: 783ms    remaining: 5.58s
123: learn: 0.1097445   total: 792ms    remaining: 5.59s

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124: learn: 0.1094381      total: 990ms   remaining: 6.93s
125: learn: 0.1091776      total: 1s       remaining: 6.97s
126: learn: 0.1088804      total: 1.01s    remaining: 6.97s
127: learn: 0.1085768      total: 1.02s    remaining: 6.99s
128: learn: 0.1082607      total: 1.04s    remaining: 7.02s
129: learn: 0.1080416      total: 1.07s    remaining: 7.14s
130: learn: 0.1076547      total: 1.08s    remaining: 7.15s
131: learn: 0.1073758      total: 1.08s    remaining: 7.11s
132: learn: 0.1070982      total: 1.09s    remaining: 7.11s
133: learn: 0.1068577      total: 1.1s     remaining: 7.08s
134: learn: 0.1066266      total: 1.1s     remaining: 7.05s
135: learn: 0.1063356      total: 1.1s     remaining: 7.02s
136: learn: 0.1062586      total: 1.11s    remaining: 7s
137: learn: 0.1059771      total: 1.11s    remaining: 6.96s
138: learn: 0.1056770      total: 1.12s    remaining: 6.92s
139: learn: 0.1054466      total: 1.12s    remaining: 6.88s
140: learn: 0.1052524      total: 1.12s    remaining: 6.85s
141: learn: 0.1050253      total: 1.13s    remaining: 6.81s
142: learn: 0.1047654      total: 1.14s    remaining: 6.83s
143: learn: 0.1044783      total: 1.18s    remaining: 6.99s
144: learn: 0.1042866      total: 1.18s    remaining: 6.97s
145: learn: 0.1040107      total: 1.19s    remaining: 6.94s
146: learn: 0.1038154      total: 1.19s    remaining: 6.9s
147: learn: 0.1034480      total: 1.19s    remaining: 6.86s
148: learn: 0.1032329      total: 1.19s    remaining: 6.82s
149: learn: 0.1030781      total: 1.2s     remaining: 6.77s
150: learn: 0.1029786      total: 1.2s     remaining: 6.75s
151: learn: 0.1026430      total: 1.21s    remaining: 6.77s
152: learn: 0.1023623      total: 1.22s    remaining: 6.74s
153: learn: 0.1022566      total: 1.22s    remaining: 6.7s
154: learn: 0.1019789      total: 1.22s    remaining: 6.66s
155: learn: 0.1017723      total: 1.23s    remaining: 6.63s
156: learn: 0.1016417      total: 1.23s    remaining: 6.61s
157: learn: 0.1014309      total: 1.23s    remaining: 6.57s
158: learn: 0.1012623      total: 1.24s    remaining: 6.54s
159: learn: 0.1010637      total: 1.24s    remaining: 6.5s
160: learn: 0.1008590      total: 1.26s    remaining: 6.57s
161: learn: 0.1006988      total: 1.27s    remaining: 6.56s
162: learn: 0.1005039      total: 1.29s    remaining: 6.65s
163: learn: 0.1002526      total: 1.31s    remaining: 6.67s
164: learn: 0.1000374      total: 1.34s    remaining: 6.76s
165: learn: 0.0997004      total: 1.35s    remaining: 6.79s
166: learn: 0.0993980      total: 1.36s    remaining: 6.78s
167: learn: 0.0989735      total: 1.37s    remaining: 6.77s
168: learn: 0.0988016      total: 1.37s    remaining: 6.76s
169: learn: 0.0986034      total: 1.38s    remaining: 6.73s
170: learn: 0.0983158      total: 1.39s    remaining: 6.74s
171: learn: 0.0980899      total: 1.4s     remaining: 6.72s
172: learn: 0.0978770      total: 1.4s     remaining: 6.71s
173: learn: 0.0978188      total: 1.43s    remaining: 6.77s
174: learn: 0.0976865      total: 1.44s    remaining: 6.79s
175: learn: 0.0974743      total: 1.45s    remaining: 6.77s
176: learn: 0.0972984      total: 1.46s    remaining: 6.77s
177: learn: 0.0971414      total: 1.46s    remaining: 6.76s
178: learn: 0.0969096      total: 1.47s    remaining: 6.76s
179: learn: 0.0966937      total: 1.48s    remaining: 6.74s
180: learn: 0.0964639      total: 1.49s    remaining: 6.72s
181: learn: 0.0962514      total: 1.49s    remaining: 6.7s
182: learn: 0.0960628      total: 1.5s     remaining: 6.68s
183: learn: 0.0957595      total: 1.5s     remaining: 6.66s
184: learn: 0.0954769      total: 1.51s    remaining: 6.64s
185: learn: 0.0953126      total: 1.51s    remaining: 6.62s
186: learn: 0.0952598      total: 1.51s    remaining: 6.59s
187: learn: 0.0951069      total: 1.52s    remaining: 6.57s

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188: learn: 0.0950615    total: 1.52s    remaining: 6.54s
189: learn: 0.0948673    total: 1.53s    remaining: 6.51s
190: learn: 0.0946621    total: 1.53s    remaining: 6.49s
191: learn: 0.0943627    total: 1.53s    remaining: 6.46s
192: learn: 0.0941374    total: 1.54s    remaining: 6.44s
193: learn: 0.0939979    total: 1.55s    remaining: 6.45s
194: learn: 0.0937640    total: 1.56s    remaining: 6.42s
195: learn: 0.0935362    total: 1.56s    remaining: 6.42s
196: learn: 0.0933340    total: 1.57s    remaining: 6.41s
197: learn: 0.0931264    total: 1.58s    remaining: 6.4s
198: learn: 0.0930347    total: 1.59s    remaining: 6.39s
199: learn: 0.0928632    total: 1.61s    remaining: 6.43s
200: learn: 0.0927635    total: 1.63s    remaining: 6.49s
201: learn: 0.0925960    total: 1.64s    remaining: 6.46s
202: learn: 0.0924109    total: 1.64s    remaining: 6.46s
203: learn: 0.0922401    total: 1.66s    remaining: 6.47s
204: learn: 0.0921959    total: 1.67s    remaining: 6.47s
205: learn: 0.0919549    total: 1.67s    remaining: 6.45s
206: learn: 0.0917936    total: 1.68s    remaining: 6.45s
207: learn: 0.0917010    total: 1.69s    remaining: 6.45s
208: learn: 0.0915883    total: 1.7s    remaining: 6.43s
209: learn: 0.0914041    total: 1.7s    remaining: 6.41s
210: learn: 0.0913390    total: 1.71s    remaining: 6.4s
211: learn: 0.0911873    total: 1.72s    remaining: 6.38s
212: learn: 0.0910240    total: 1.72s    remaining: 6.37s
213: learn: 0.0908557    total: 1.73s    remaining: 6.35s
214: learn: 0.0907911    total: 1.73s    remaining: 6.33s
215: learn: 0.0906842    total: 1.74s    remaining: 6.32s
216: learn: 0.0904935    total: 1.74s    remaining: 6.29s
217: learn: 0.0902950    total: 1.75s    remaining: 6.27s
218: learn: 0.0900977    total: 1.75s    remaining: 6.25s
219: learn: 0.0899834    total: 1.76s    remaining: 6.24s
220: learn: 0.0898879    total: 1.76s    remaining: 6.22s
221: learn: 0.0898601    total: 1.77s    remaining: 6.2s
222: learn: 0.0897750    total: 1.78s    remaining: 6.19s
223: learn: 0.0897055    total: 1.78s    remaining: 6.17s
224: learn: 0.0896259    total: 1.79s    remaining: 6.16s
225: learn: 0.0894742    total: 1.79s    remaining: 6.14s
226: learn: 0.0893009    total: 1.8s    remaining: 6.12s
227: learn: 0.0891380    total: 1.8s    remaining: 6.09s
228: learn: 0.0889858    total: 1.83s    remaining: 6.15s
229: learn: 0.0887725    total: 1.83s    remaining: 6.13s
230: learn: 0.0886181    total: 1.83s    remaining: 6.11s
231: learn: 0.0885521    total: 1.84s    remaining: 6.1s
232: learn: 0.0884015    total: 1.85s    remaining: 6.09s
233: learn: 0.0882428    total: 1.85s    remaining: 6.07s
234: learn: 0.0881593    total: 1.86s    remaining: 6.06s
235: learn: 0.0881029    total: 1.87s    remaining: 6.06s
236: learn: 0.0880475    total: 1.88s    remaining: 6.04s
237: learn: 0.0879031    total: 1.89s    remaining: 6.04s
238: learn: 0.0878398    total: 1.89s    remaining: 6.03s
239: learn: 0.0876084    total: 1.9s    remaining: 6.03s
240: learn: 0.0874063    total: 1.91s    remaining: 6.03s
241: learn: 0.0872541    total: 1.92s    remaining: 6.01s
242: learn: 0.0871805    total: 1.93s    remaining: 6s
243: learn: 0.0870615    total: 1.93s    remaining: 5.99s
244: learn: 0.0869364    total: 1.94s    remaining: 5.97s
245: learn: 0.0868196    total: 1.94s    remaining: 5.95s
246: learn: 0.0866537    total: 1.95s    remaining: 5.94s
247: learn: 0.0864634    total: 1.95s    remaining: 5.92s
248: learn: 0.0863222    total: 1.96s    remaining: 5.91s
249: learn: 0.0861528    total: 1.98s    remaining: 5.93s
250: learn: 0.0859503    total: 1.98s    remaining: 5.91s
251: learn: 0.0857985    total: 1.98s    remaining: 5.89s

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252: learn: 0.0856632      total: 1.99s  remaining: 5.88s
253: learn: 0.0855307      total: 2s       remaining: 5.86s
254: learn: 0.0854162      total: 2.01s  remaining: 5.87s
255: learn: 0.0853621      total: 2.02s  remaining: 5.86s
256: learn: 0.0852647      total: 2.02s  remaining: 5.85s
257: learn: 0.0850428      total: 2.03s  remaining: 5.84s
258: learn: 0.0849706      total: 2.04s  remaining: 5.84s
259: learn: 0.0848793      total: 2.05s  remaining: 5.83s
260: learn: 0.0847088      total: 2.05s  remaining: 5.81s
261: learn: 0.0845768      total: 2.06s  remaining: 5.8s
262: learn: 0.0843849      total: 2.07s  remaining: 5.79s
263: learn: 0.0842385      total: 2.08s  remaining: 5.79s
264: learn: 0.0841217      total: 2.08s  remaining: 5.78s
265: learn: 0.0840463      total: 2.1s    remaining: 5.8s
266: learn: 0.0838352      total: 2.12s  remaining: 5.82s
267: learn: 0.0836610      total: 2.12s  remaining: 5.8s
268: learn: 0.0834819      total: 2.13s  remaining: 5.79s
269: learn: 0.0832979      total: 2.15s  remaining: 5.8s
270: learn: 0.0831041      total: 2.15s  remaining: 5.78s
271: learn: 0.0829610      total: 2.15s  remaining: 5.76s
272: learn: 0.0827881      total: 2.16s  remaining: 5.75s
273: learn: 0.0825019      total: 2.16s  remaining: 5.73s
274: learn: 0.0823260      total: 2.16s  remaining: 5.71s
275: learn: 0.0821579      total: 2.17s  remaining: 5.69s
276: learn: 0.0820300      total: 2.18s  remaining: 5.68s
277: learn: 0.0820013      total: 2.18s  remaining: 5.66s
278: learn: 0.0816965      total: 2.18s  remaining: 5.64s
279: learn: 0.0816144      total: 2.19s  remaining: 5.63s
280: learn: 0.0814690      total: 2.19s  remaining: 5.61s
281: learn: 0.0812672      total: 2.19s  remaining: 5.59s
282: learn: 0.0811156      total: 2.2s   remaining: 5.57s
283: learn: 0.0810620      total: 2.2s   remaining: 5.55s
284: learn: 0.0810107      total: 2.24s  remaining: 5.61s
285: learn: 0.0809717      total: 2.33s  remaining: 5.82s
286: learn: 0.0808704      total: 2.33s  remaining: 5.8s
287: learn: 0.0806420      total: 2.34s  remaining: 5.78s
288: learn: 0.0805026      total: 2.37s  remaining: 5.84s
289: learn: 0.0804272      total: 2.38s  remaining: 5.82s
290: learn: 0.0803219      total: 2.38s  remaining: 5.8s
291: learn: 0.0801520      total: 2.38s  remaining: 5.78s
292: learn: 0.0800896      total: 2.39s  remaining: 5.77s
293: learn: 0.0800274      total: 2.39s  remaining: 5.75s
294: learn: 0.0799633      total: 2.4s   remaining: 5.73s
295: learn: 0.0798297      total: 2.41s  remaining: 5.72s
296: learn: 0.0797165      total: 2.41s  remaining: 5.71s
297: learn: 0.0795397      total: 2.42s  remaining: 5.69s
298: learn: 0.0794313      total: 2.43s  remaining: 5.7s
299: learn: 0.0793436      total: 2.44s  remaining: 5.68s
300: learn: 0.0790729      total: 2.44s  remaining: 5.67s
301: learn: 0.0789949      total: 2.45s  remaining: 5.67s
302: learn: 0.0788021      total: 2.46s  remaining: 5.65s
303: learn: 0.0786574      total: 2.46s  remaining: 5.63s
304: learn: 0.0785649      total: 2.46s  remaining: 5.61s
305: learn: 0.0785207      total: 2.46s  remaining: 5.59s
306: learn: 0.0783742      total: 2.46s  remaining: 5.57s
307: learn: 0.0782649      total: 2.47s  remaining: 5.55s
308: learn: 0.0782044      total: 2.47s  remaining: 5.53s
309: learn: 0.0781104      total: 2.48s  remaining: 5.52s
310: learn: 0.0780920      total: 2.48s  remaining: 5.5s
311: learn: 0.0779993      total: 2.49s  remaining: 5.49s
312: learn: 0.0778399      total: 2.51s  remaining: 5.52s
313: learn: 0.0776001      total: 2.52s  remaining: 5.5s
314: learn: 0.0774667      total: 2.52s  remaining: 5.48s
315: learn: 0.0773945      total: 2.52s  remaining: 5.46s

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316: learn: 0.0772912      total: 2.52s  remaining: 5.44s
317: learn: 0.0770995      total: 2.53s  remaining: 5.42s
318: learn: 0.0770476      total: 2.53s  remaining: 5.4s
319: learn: 0.0769443      total: 2.63s  remaining: 5.58s
320: learn: 0.0767189      total: 2.63s  remaining: 5.56s
321: learn: 0.0765117      total: 2.64s  remaining: 5.55s
322: learn: 0.0763247      total: 2.64s  remaining: 5.53s
323: learn: 0.0761499      total: 2.64s  remaining: 5.52s
324: learn: 0.0760656      total: 2.65s  remaining: 5.51s
325: learn: 0.0759978      total: 2.68s  remaining: 5.54s
326: learn: 0.0758864      total: 2.69s  remaining: 5.53s
327: learn: 0.0758343      total: 2.69s  remaining: 5.52s
328: learn: 0.0757093      total: 2.71s  remaining: 5.53s
329: learn: 0.0755633      total: 2.72s  remaining: 5.52s
330: learn: 0.0753784      total: 2.74s  remaining: 5.53s
331: learn: 0.0752644      total: 2.74s  remaining: 5.52s
332: learn: 0.0751143      total: 2.75s  remaining: 5.51s
333: learn: 0.0750029      total: 2.76s  remaining: 5.51s
334: learn: 0.0748966      total: 2.77s  remaining: 5.5s
335: learn: 0.0748497      total: 2.78s  remaining: 5.49s
336: learn: 0.0747173      total: 2.79s  remaining: 5.5s
337: learn: 0.0745798      total: 2.8s   remaining: 5.49s
338: learn: 0.0745034      total: 2.81s  remaining: 5.48s
339: learn: 0.0743864      total: 2.81s  remaining: 5.46s
340: learn: 0.0742508      total: 2.82s  remaining: 5.45s
341: learn: 0.0741399      total: 2.83s  remaining: 5.44s
342: learn: 0.0740445      total: 2.86s  remaining: 5.48s
343: learn: 0.0739870      total: 2.87s  remaining: 5.47s
344: learn: 0.0737892      total: 2.89s  remaining: 5.5s
345: learn: 0.0736590      total: 2.9s   remaining: 5.49s
346: learn: 0.0736368      total: 2.91s  remaining: 5.48s
347: learn: 0.0735827      total: 2.92s  remaining: 5.46s
348: learn: 0.0734182      total: 2.92s  remaining: 5.45s
349: learn: 0.0732600      total: 2.92s  remaining: 5.43s
350: learn: 0.0731328      total: 2.93s  remaining: 5.41s
351: learn: 0.0730791      total: 2.93s  remaining: 5.4s
352: learn: 0.0729339      total: 2.94s  remaining: 5.38s
353: learn: 0.0727610      total: 2.94s  remaining: 5.36s
354: learn: 0.0726724      total: 2.94s  remaining: 5.34s
355: learn: 0.0725388      total: 2.94s  remaining: 5.32s
356: learn: 0.0723620      total: 2.95s  remaining: 5.31s
357: learn: 0.0722541      total: 2.95s  remaining: 5.29s
358: learn: 0.0721484      total: 2.96s  remaining: 5.28s
359: learn: 0.0720064      total: 2.96s  remaining: 5.26s
360: learn: 0.0719174      total: 2.96s  remaining: 5.25s
361: learn: 0.0717419      total: 2.97s  remaining: 5.23s
362: learn: 0.0716371      total: 2.97s  remaining: 5.22s
363: learn: 0.0715569      total: 2.98s  remaining: 5.2s
364: learn: 0.0714334      total: 2.98s  remaining: 5.18s
365: learn: 0.0712443      total: 2.98s  remaining: 5.17s
366: learn: 0.0710753      total: 2.99s  remaining: 5.16s
367: learn: 0.0709296      total: 2.99s  remaining: 5.14s
368: learn: 0.0708702      total: 3s    remaining: 5.12s
369: learn: 0.0707854      total: 3s    remaining: 5.1s
370: learn: 0.0706651      total: 3s    remaining: 5.09s
371: learn: 0.0705792      total: 3s    remaining: 5.07s
372: learn: 0.0703947      total: 3.01s  remaining: 5.05s
373: learn: 0.0703313      total: 3.01s  remaining: 5.04s
374: learn: 0.0701613      total: 3.01s  remaining: 5.02s
375: learn: 0.0700920      total: 3.01s  remaining: 5s
376: learn: 0.0699715      total: 3.02s  remaining: 4.99s
377: learn: 0.0699431      total: 3.02s  remaining: 4.97s
378: learn: 0.0699114      total: 3.02s  remaining: 4.95s
379: learn: 0.0698164      total: 3.03s  remaining: 4.94s

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380: learn: 0.0696378    total: 3.03s  remaining: 4.92s
381: learn: 0.0695821    total: 3.03s  remaining: 4.91s
382: learn: 0.0694916    total: 3.04s  remaining: 4.89s
383: learn: 0.0693144    total: 3.04s  remaining: 4.88s
384: learn: 0.0692343    total: 3.04s  remaining: 4.86s
385: learn: 0.0691574    total: 3.04s  remaining: 4.84s
386: learn: 0.0691214    total: 3.05s  remaining: 4.83s
387: learn: 0.0690325    total: 3.05s  remaining: 4.81s
388: learn: 0.0688319    total: 3.05s  remaining: 4.79s
389: learn: 0.0687347    total: 3.06s  remaining: 4.78s
390: learn: 0.0686049    total: 3.06s  remaining: 4.76s
391: learn: 0.0684810    total: 3.06s  remaining: 4.75s
392: learn: 0.0683581    total: 3.07s  remaining: 4.74s
393: learn: 0.0682112    total: 3.07s  remaining: 4.72s
394: learn: 0.0681236    total: 3.07s  remaining: 4.71s
395: learn: 0.0679581    total: 3.16s  remaining: 4.82s
396: learn: 0.0679296    total: 3.16s  remaining: 4.8s
397: learn: 0.0678118    total: 3.17s  remaining: 4.79s
398: learn: 0.0676982    total: 3.17s  remaining: 4.78s
399: learn: 0.0675854    total: 3.17s  remaining: 4.76s
400: learn: 0.0674514    total: 3.18s  remaining: 4.75s
401: learn: 0.0673754    total: 3.18s  remaining: 4.74s
402: learn: 0.0672865    total: 3.19s  remaining: 4.72s
403: learn: 0.0671827    total: 3.19s  remaining: 4.7s
404: learn: 0.0671101    total: 3.19s  remaining: 4.69s
405: learn: 0.0670594    total: 3.19s  remaining: 4.67s
406: learn: 0.0669310    total: 3.2s   remaining: 4.66s
407: learn: 0.0668038    total: 3.2s   remaining: 4.64s
408: learn: 0.0666946    total: 3.2s   remaining: 4.63s
409: learn: 0.0665970    total: 3.2s   remaining: 4.61s
410: learn: 0.0665546    total: 3.21s  remaining: 4.59s
411: learn: 0.0664942    total: 3.21s  remaining: 4.58s
412: learn: 0.0663980    total: 3.21s  remaining: 4.56s
413: learn: 0.0663332    total: 3.22s  remaining: 4.55s
414: learn: 0.0662330    total: 3.22s  remaining: 4.54s
415: learn: 0.0661682    total: 3.22s  remaining: 4.53s
416: learn: 0.0661098    total: 3.23s  remaining: 4.51s
417: learn: 0.0660208    total: 3.23s  remaining: 4.5s
418: learn: 0.0659094    total: 3.23s  remaining: 4.48s
419: learn: 0.0658422    total: 3.24s  remaining: 4.48s
420: learn: 0.0657156    total: 3.24s  remaining: 4.46s
421: learn: 0.0656497    total: 3.25s  remaining: 4.45s
422: learn: 0.0655877    total: 3.25s  remaining: 4.43s
423: learn: 0.0654767    total: 3.25s  remaining: 4.42s
424: learn: 0.0653212    total: 3.25s  remaining: 4.4s
425: learn: 0.0652750    total: 3.26s  remaining: 4.39s
426: learn: 0.0651915    total: 3.27s  remaining: 4.38s
427: learn: 0.0651621    total: 3.27s  remaining: 4.37s
428: learn: 0.0649874    total: 3.27s  remaining: 4.36s
429: learn: 0.0648181    total: 3.28s  remaining: 4.34s
430: learn: 0.0647246    total: 3.28s  remaining: 4.33s
431: learn: 0.0646952    total: 3.28s  remaining: 4.32s
432: learn: 0.0645896    total: 3.29s  remaining: 4.31s
433: learn: 0.0644725    total: 3.3s   remaining: 4.31s
434: learn: 0.0643428    total: 3.31s  remaining: 4.3s
435: learn: 0.0642176    total: 3.32s  remaining: 4.29s
436: learn: 0.0641156    total: 3.33s  remaining: 4.28s
437: learn: 0.0640045    total: 3.33s  remaining: 4.28s
438: learn: 0.0639896    total: 3.34s  remaining: 4.27s
439: learn: 0.0639330    total: 3.34s  remaining: 4.26s
440: learn: 0.0637563    total: 3.35s  remaining: 4.25s
441: learn: 0.0636713    total: 3.36s  remaining: 4.24s
442: learn: 0.0635762    total: 3.36s  remaining: 4.23s
443: learn: 0.0634527    total: 3.38s  remaining: 4.23s

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444: learn: 0.0632920    total: 3.38s  remaining: 4.22s
445: learn: 0.0631815    total: 3.39s  remaining: 4.21s
446: learn: 0.0630669    total: 3.39s  remaining: 4.2s
447: learn: 0.0630168    total: 3.4s   remaining: 4.19s
448: learn: 0.0628891    total: 3.41s  remaining: 4.18s
449: learn: 0.0628599    total: 3.42s  remaining: 4.18s
450: learn: 0.0627313    total: 3.43s  remaining: 4.17s
451: learn: 0.0626894    total: 3.44s  remaining: 4.17s
452: learn: 0.0625588    total: 3.45s  remaining: 4.16s
453: learn: 0.0625007    total: 3.45s  remaining: 4.15s
454: learn: 0.0623266    total: 3.45s  remaining: 4.14s
455: learn: 0.0622584    total: 3.46s  remaining: 4.12s
456: learn: 0.0621611    total: 3.46s  remaining: 4.11s
457: learn: 0.0621050    total: 3.46s  remaining: 4.1s
458: learn: 0.0619761    total: 3.46s  remaining: 4.08s
459: learn: 0.0619165    total: 3.47s  remaining: 4.07s
460: learn: 0.0618682    total: 3.48s  remaining: 4.06s
461: learn: 0.0617456    total: 3.48s  remaining: 4.05s
462: learn: 0.0615692    total: 3.49s  remaining: 4.04s
463: learn: 0.0614737    total: 3.49s  remaining: 4.03s
464: learn: 0.0614356    total: 3.49s  remaining: 4.02s
465: learn: 0.0613286    total: 3.5s   remaining: 4.01s
466: learn: 0.0612388    total: 3.5s   remaining: 3.99s
467: learn: 0.0611425    total: 3.5s   remaining: 3.98s
468: learn: 0.0611147    total: 3.5s   remaining: 3.97s
469: learn: 0.0609818    total: 3.51s  remaining: 3.96s
470: learn: 0.0608924    total: 3.52s  remaining: 3.95s
471: learn: 0.0607894    total: 3.52s  remaining: 3.94s
472: learn: 0.0606839    total: 3.53s  remaining: 3.93s
473: learn: 0.0605808    total: 3.54s  remaining: 3.92s
474: learn: 0.0604501    total: 3.54s  remaining: 3.91s
475: learn: 0.0604058    total: 3.55s  remaining: 3.91s
476: learn: 0.0603059    total: 3.56s  remaining: 3.9s
477: learn: 0.0602325    total: 3.56s  remaining: 3.89s
478: learn: 0.0601626    total: 3.63s  remaining: 3.95s
479: learn: 0.0600493    total: 3.65s  remaining: 3.96s
480: learn: 0.0600279    total: 3.67s  remaining: 3.96s
481: learn: 0.0599027    total: 3.67s  remaining: 3.95s
482: learn: 0.0598319    total: 3.68s  remaining: 3.94s
483: learn: 0.0597099    total: 3.68s  remaining: 3.93s
484: learn: 0.0596077    total: 3.69s  remaining: 3.92s
485: learn: 0.0595953    total: 3.7s   remaining: 3.91s
486: learn: 0.0594375    total: 3.7s   remaining: 3.9s
487: learn: 0.0593224    total: 3.71s  remaining: 3.89s
488: learn: 0.0591935    total: 3.71s  remaining: 3.88s
489: learn: 0.0590598    total: 3.71s  remaining: 3.87s
490: learn: 0.0589582    total: 3.72s  remaining: 3.85s
491: learn: 0.0588656    total: 3.72s  remaining: 3.84s
492: learn: 0.0587504    total: 3.72s  remaining: 3.83s
493: learn: 0.0586273    total: 3.73s  remaining: 3.82s
494: learn: 0.0585457    total: 3.73s  remaining: 3.81s
495: learn: 0.0584727    total: 3.79s  remaining: 3.85s
496: learn: 0.0584351    total: 3.79s  remaining: 3.84s
497: learn: 0.0583699    total: 3.79s  remaining: 3.83s
498: learn: 0.0583148    total: 3.8s   remaining: 3.81s
499: learn: 0.0582363    total: 3.8s   remaining: 3.8s
500: learn: 0.0581595    total: 3.81s  remaining: 3.79s
501: learn: 0.0581230    total: 3.81s  remaining: 3.78s
502: learn: 0.0580571    total: 3.81s  remaining: 3.77s
503: learn: 0.0579862    total: 3.82s  remaining: 3.76s
504: learn: 0.0579437    total: 3.82s  remaining: 3.75s
505: learn: 0.0578521    total: 3.83s  remaining: 3.74s
506: learn: 0.0577787    total: 3.84s  remaining: 3.73s
507: learn: 0.0577075    total: 3.84s  remaining: 3.72s

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508: learn: 0.0576341    total: 3.84s  remaining: 3.71s
509: learn: 0.0575519    total: 3.85s  remaining: 3.69s
510: learn: 0.0574645    total: 3.85s  remaining: 3.68s
511: learn: 0.0573573    total: 3.85s  remaining: 3.67s
512: learn: 0.0573477    total: 3.85s  remaining: 3.66s
513: learn: 0.0572690    total: 3.86s  remaining: 3.65s
514: learn: 0.0571628    total: 3.86s  remaining: 3.63s
515: learn: 0.0570987    total: 3.86s  remaining: 3.62s
516: learn: 0.0570836    total: 3.87s  remaining: 3.61s
517: learn: 0.0570346    total: 3.87s  remaining: 3.6s
518: learn: 0.0569546    total: 3.87s  remaining: 3.59s
519: learn: 0.0568572    total: 3.88s  remaining: 3.58s
520: learn: 0.0567737    total: 3.88s  remaining: 3.57s
521: learn: 0.0567034    total: 3.88s  remaining: 3.56s
522: learn: 0.0566229    total: 3.89s  remaining: 3.54s
523: learn: 0.0566105    total: 3.89s  remaining: 3.53s
524: learn: 0.0565327    total: 3.9s   remaining: 3.53s
525: learn: 0.0564244    total: 3.91s  remaining: 3.52s
526: learn: 0.0563731    total: 3.91s  remaining: 3.51s
527: learn: 0.0562711    total: 3.91s  remaining: 3.5s
528: learn: 0.0561103    total: 3.92s  remaining: 3.49s
529: learn: 0.0560044    total: 3.92s  remaining: 3.48s
530: learn: 0.0559339    total: 3.93s  remaining: 3.47s
531: learn: 0.0558400    total: 3.93s  remaining: 3.46s
532: learn: 0.0557170    total: 3.93s  remaining: 3.44s
533: learn: 0.0555818    total: 3.93s  remaining: 3.43s
534: learn: 0.0555079    total: 3.94s  remaining: 3.42s
535: learn: 0.0554945    total: 3.94s  remaining: 3.41s
536: learn: 0.0554163    total: 3.94s  remaining: 3.4s
537: learn: 0.0553545    total: 3.94s  remaining: 3.38s
538: learn: 0.0553001    total: 3.94s  remaining: 3.37s
539: learn: 0.0552430    total: 3.95s  remaining: 3.36s
540: learn: 0.0551647    total: 3.95s  remaining: 3.35s
541: learn: 0.0550874    total: 3.95s  remaining: 3.34s
542: learn: 0.0550166    total: 3.96s  remaining: 3.33s
543: learn: 0.0549149    total: 3.96s  remaining: 3.32s
544: learn: 0.0549075    total: 3.97s  remaining: 3.31s
545: learn: 0.0548272    total: 3.97s  remaining: 3.3s
546: learn: 0.0547928    total: 3.97s  remaining: 3.29s
547: learn: 0.0547200    total: 3.98s  remaining: 3.28s
548: learn: 0.0546392    total: 3.98s  remaining: 3.27s
549: learn: 0.0545331    total: 3.98s  remaining: 3.26s
550: learn: 0.0544100    total: 3.98s  remaining: 3.25s
551: learn: 0.0543383    total: 3.99s  remaining: 3.23s
552: learn: 0.0543228    total: 3.99s  remaining: 3.22s
553: learn: 0.0541948    total: 3.99s  remaining: 3.21s
554: learn: 0.0541806    total: 3.99s  remaining: 3.2s
555: learn: 0.0540971    total: 4s    remaining: 3.19s
556: learn: 0.0539788    total: 4.01s  remaining: 3.19s
557: learn: 0.0539082    total: 4.01s  remaining: 3.18s
558: learn: 0.0538733    total: 4.02s  remaining: 3.17s
559: learn: 0.0538130    total: 4.02s  remaining: 3.16s
560: learn: 0.0537358    total: 4.03s  remaining: 3.15s
561: learn: 0.0536458    total: 4.03s  remaining: 3.14s
562: learn: 0.0535522    total: 4.03s  remaining: 3.13s
563: learn: 0.0535385    total: 4.04s  remaining: 3.12s
564: learn: 0.0535263    total: 4.04s  remaining: 3.11s
565: learn: 0.0535097    total: 4.04s  remaining: 3.1s
566: learn: 0.0534636    total: 4.05s  remaining: 3.09s
567: learn: 0.0533869    total: 4.05s  remaining: 3.08s
568: learn: 0.0532857    total: 4.05s  remaining: 3.07s
569: learn: 0.0532009    total: 4.06s  remaining: 3.06s
570: learn: 0.0531523    total: 4.06s  remaining: 3.05s
571: learn: 0.0530215    total: 4.06s  remaining: 3.04s

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572:	learn: 0.0529671	total: 4.07s	remaining: 3.03s
573:	learn: 0.0528318	total: 4.07s	remaining: 3.02s
574:	learn: 0.0527565	total: 4.07s	remaining: 3.01s
575:	learn: 0.0526645	total: 4.08s	remaining: 3s
576:	learn: 0.0526209	total: 4.08s	remaining: 2.99s
577:	learn: 0.0524949	total: 4.08s	remaining: 2.98s
578:	learn: 0.0524022	total: 4.08s	remaining: 2.97s
579:	learn: 0.0523868	total: 4.08s	remaining: 2.96s
580:	learn: 0.0522995	total: 4.09s	remaining: 2.95s
581:	learn: 0.0521705	total: 4.09s	remaining: 2.94s
582:	learn: 0.0521229	total: 4.09s	remaining: 2.93s
583:	learn: 0.0520596	total: 4.1s	remaining: 2.92s
584:	learn: 0.0519552	total: 4.1s	remaining: 2.91s
585:	learn: 0.0518769	total: 4.1s	remaining: 2.9s
586:	learn: 0.0518105	total: 4.11s	remaining: 2.89s
587:	learn: 0.0517629	total: 4.11s	remaining: 2.88s
588:	learn: 0.0517270	total: 4.11s	remaining: 2.87s
589:	learn: 0.0516684	total: 4.12s	remaining: 2.86s
590:	learn: 0.0515866	total: 4.12s	remaining: 2.85s
591:	learn: 0.0515774	total: 4.12s	remaining: 2.84s
592:	learn: 0.0514871	total: 4.13s	remaining: 2.83s
593:	learn: 0.0514637	total: 4.13s	remaining: 2.82s
594:	learn: 0.0514171	total: 4.13s	remaining: 2.81s
595:	learn: 0.0513132	total: 4.14s	remaining: 2.81s
596:	learn: 0.0512583	total: 4.16s	remaining: 2.81s
597:	learn: 0.0511631	total: 4.16s	remaining: 2.8s
598:	learn: 0.0510999	total: 4.16s	remaining: 2.79s
599:	learn: 0.0509613	total: 4.17s	remaining: 2.78s
600:	learn: 0.0508934	total: 4.17s	remaining: 2.77s
601:	learn: 0.0507974	total: 4.17s	remaining: 2.76s
602:	learn: 0.0507305	total: 4.17s	remaining: 2.75s
603:	learn: 0.0506879	total: 4.18s	remaining: 2.74s
604:	learn: 0.0506525	total: 4.18s	remaining: 2.73s
605:	learn: 0.0506436	total: 4.19s	remaining: 2.72s
606:	learn: 0.0506059	total: 4.19s	remaining: 2.71s
607:	learn: 0.0505767	total: 4.19s	remaining: 2.7s
608:	learn: 0.0505699	total: 4.2s	remaining: 2.69s
609:	learn: 0.0505440	total: 4.2s	remaining: 2.69s
610:	learn: 0.0504520	total: 4.21s	remaining: 2.68s
611:	learn: 0.0504146	total: 4.21s	remaining: 2.67s
612:	learn: 0.0503353	total: 4.21s	remaining: 2.66s
613:	learn: 0.0502774	total: 4.22s	remaining: 2.65s
614:	learn: 0.0502324	total: 4.22s	remaining: 2.64s
615:	learn: 0.0501350	total: 4.22s	remaining: 2.63s
616:	learn: 0.0501254	total: 4.23s	remaining: 2.62s
617:	learn: 0.0500778	total: 4.23s	remaining: 2.62s
618:	learn: 0.0500262	total: 4.24s	remaining: 2.61s
619:	learn: 0.0499592	total: 4.24s	remaining: 2.6s
620:	learn: 0.0499090	total: 4.24s	remaining: 2.59s
621:	learn: 0.0498180	total: 4.25s	remaining: 2.58s
622:	learn: 0.0497520	total: 4.25s	remaining: 2.57s
623:	learn: 0.0497466	total: 4.26s	remaining: 2.57s
624:	learn: 0.0496975	total: 4.26s	remaining: 2.56s
625:	learn: 0.0496513	total: 4.27s	remaining: 2.55s
626:	learn: 0.0495845	total: 4.27s	remaining: 2.54s
627:	learn: 0.0494625	total: 4.28s	remaining: 2.53s
628:	learn: 0.0494543	total: 4.28s	remaining: 2.52s
629:	learn: 0.0493639	total: 4.28s	remaining: 2.52s
630:	learn: 0.0492902	total: 4.29s	remaining: 2.51s
631:	learn: 0.0492842	total: 4.29s	remaining: 2.5s
632:	learn: 0.0492076	total: 4.29s	remaining: 2.49s
633:	learn: 0.0491547	total: 4.3s	remaining: 2.48s
634:	learn: 0.0490439	total: 4.3s	remaining: 2.47s
635:	learn: 0.0490069	total: 4.3s	remaining: 2.46s

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636: learn: 0.0489665    total: 4.31s    remaining: 2.45s
637: learn: 0.0488602    total: 4.31s    remaining: 2.44s
638: learn: 0.0487809    total: 4.31s    remaining: 2.44s
639: learn: 0.0487010    total: 4.31s    remaining: 2.43s
640: learn: 0.0486927    total: 4.32s    remaining: 2.42s
641: learn: 0.0486446    total: 4.32s    remaining: 2.41s
642: learn: 0.0486389    total: 4.33s    remaining: 2.4s
643: learn: 0.0486338    total: 4.33s    remaining: 2.39s
644: learn: 0.0486256    total: 4.33s    remaining: 2.38s
645: learn: 0.0485922    total: 4.33s    remaining: 2.38s
646: learn: 0.0484934    total: 4.34s    remaining: 2.37s
647: learn: 0.0484113    total: 4.34s    remaining: 2.36s
648: learn: 0.0484068    total: 4.35s    remaining: 2.35s
649: learn: 0.0483189    total: 4.35s    remaining: 2.34s
650: learn: 0.0482706    total: 4.36s    remaining: 2.33s
651: learn: 0.0482638    total: 4.36s    remaining: 2.33s
652: learn: 0.0481808    total: 4.36s    remaining: 2.32s
653: learn: 0.0481221    total: 4.37s    remaining: 2.31s
654: learn: 0.0480518    total: 4.37s    remaining: 2.3s
655: learn: 0.0480135    total: 4.37s    remaining: 2.29s
656: learn: 0.0479578    total: 4.38s    remaining: 2.29s
657: learn: 0.0479141    total: 4.38s    remaining: 2.28s
658: learn: 0.0478302    total: 4.39s    remaining: 2.27s
659: learn: 0.0477797    total: 4.39s    remaining: 2.26s
660: learn: 0.0477732    total: 4.39s    remaining: 2.25s
661: learn: 0.0477504    total: 4.4s      remaining: 2.25s
662: learn: 0.0476367    total: 4.4s      remaining: 2.24s
663: learn: 0.0475976    total: 4.41s    remaining: 2.23s
664: learn: 0.0475915    total: 4.41s    remaining: 2.22s
665: learn: 0.0474924    total: 4.41s    remaining: 2.21s
666: learn: 0.0474881    total: 4.42s    remaining: 2.2s
667: learn: 0.0473873    total: 4.42s    remaining: 2.2s
668: learn: 0.0472858    total: 4.42s    remaining: 2.19s
669: learn: 0.0471850    total: 4.43s    remaining: 2.18s
670: learn: 0.0471493    total: 4.43s    remaining: 2.17s
671: learn: 0.0470544    total: 4.43s    remaining: 2.16s
672: learn: 0.0470092    total: 4.44s    remaining: 2.15s
673: learn: 0.0469591    total: 4.44s    remaining: 2.15s
674: learn: 0.0468778    total: 4.44s    remaining: 2.14s
675: learn: 0.0467474    total: 4.44s    remaining: 2.13s
676: learn: 0.0466464    total: 4.44s    remaining: 2.12s
677: learn: 0.0466098    total: 4.45s    remaining: 2.11s
678: learn: 0.0466047    total: 4.45s    remaining: 2.1s
679: learn: 0.0464940    total: 4.45s    remaining: 2.09s
680: learn: 0.0464529    total: 4.45s    remaining: 2.08s
681: learn: 0.0464086    total: 4.45s    remaining: 2.08s
682: learn: 0.0464041    total: 4.46s    remaining: 2.07s
683: learn: 0.0463711    total: 4.46s    remaining: 2.06s
684: learn: 0.0463360    total: 4.46s    remaining: 2.05s
685: learn: 0.0462630    total: 4.47s    remaining: 2.04s
686: learn: 0.0461569    total: 4.47s    remaining: 2.04s
687: learn: 0.0460907    total: 4.47s    remaining: 2.03s
688: learn: 0.0460249    total: 4.47s    remaining: 2.02s
689: learn: 0.0459658    total: 4.48s    remaining: 2.01s
690: learn: 0.0458860    total: 4.48s    remaining: 2s
691: learn: 0.0458428    total: 4.48s    remaining: 1.99s
692: learn: 0.0457724    total: 4.48s    remaining: 1.99s
693: learn: 0.0457415    total: 4.49s    remaining: 1.98s
694: learn: 0.0457360    total: 4.49s    remaining: 1.97s
695: learn: 0.0456680    total: 4.49s    remaining: 1.96s
696: learn: 0.0455790    total: 4.49s    remaining: 1.95s
697: learn: 0.0455212    total: 4.5s      remaining: 1.95s
698: learn: 0.0454626    total: 4.5s      remaining: 1.94s
699: learn: 0.0454017    total: 4.5s      remaining: 1.93s

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700:	learn: 0.0453082	total: 4.5s	remaining: 1.92s
701:	learn: 0.0452579	total: 4.51s	remaining: 1.91s
702:	learn: 0.0452334	total: 4.51s	remaining: 1.91s
703:	learn: 0.0451591	total: 4.52s	remaining: 1.9s
704:	learn: 0.0450862	total: 4.54s	remaining: 1.9s
705:	learn: 0.0450237	total: 4.54s	remaining: 1.89s
706:	learn: 0.0450206	total: 4.54s	remaining: 1.88s
707:	learn: 0.0449518	total: 4.55s	remaining: 1.88s
708:	learn: 0.0448732	total: 4.56s	remaining: 1.87s
709:	learn: 0.0448083	total: 4.56s	remaining: 1.86s
710:	learn: 0.0448042	total: 4.56s	remaining: 1.85s
711:	learn: 0.0447839	total: 4.57s	remaining: 1.85s
712:	learn: 0.0447156	total: 4.57s	remaining: 1.84s
713:	learn: 0.0446929	total: 4.57s	remaining: 1.83s
714:	learn: 0.0446219	total: 4.58s	remaining: 1.82s
715:	learn: 0.0445526	total: 4.58s	remaining: 1.81s
716:	learn: 0.0445321	total: 4.58s	remaining: 1.81s
717:	learn: 0.0445193	total: 4.58s	remaining: 1.8s
718:	learn: 0.0443902	total: 4.58s	remaining: 1.79s
719:	learn: 0.0442874	total: 4.59s	remaining: 1.78s
720:	learn: 0.0442321	total: 4.59s	remaining: 1.77s
721:	learn: 0.0441228	total: 4.59s	remaining: 1.77s
722:	learn: 0.0440565	total: 4.59s	remaining: 1.76s
723:	learn: 0.0440234	total: 4.63s	remaining: 1.76s
724:	learn: 0.0439841	total: 4.63s	remaining: 1.76s
725:	learn: 0.0438880	total: 4.64s	remaining: 1.75s
726:	learn: 0.0438131	total: 4.64s	remaining: 1.74s
727:	learn: 0.0437492	total: 4.65s	remaining: 1.74s
728:	learn: 0.0436815	total: 4.66s	remaining: 1.73s
729:	learn: 0.0436656	total: 4.67s	remaining: 1.73s
730:	learn: 0.0436235	total: 4.67s	remaining: 1.72s
731:	learn: 0.0435393	total: 4.67s	remaining: 1.71s
732:	learn: 0.0435022	total: 4.68s	remaining: 1.7s
733:	learn: 0.0434561	total: 4.68s	remaining: 1.7s
734:	learn: 0.0434129	total: 4.68s	remaining: 1.69s
735:	learn: 0.0433090	total: 4.69s	remaining: 1.68s
736:	learn: 0.0433060	total: 4.69s	remaining: 1.67s
737:	learn: 0.0432115	total: 4.7s	remaining: 1.67s
738:	learn: 0.0432067	total: 4.7s	remaining: 1.66s
739:	learn: 0.0431386	total: 4.7s	remaining: 1.65s
740:	learn: 0.0430723	total: 4.71s	remaining: 1.65s
741:	learn: 0.0429834	total: 4.71s	remaining: 1.64s
742:	learn: 0.0429800	total: 4.72s	remaining: 1.63s
743:	learn: 0.0429149	total: 4.74s	remaining: 1.63s
744:	learn: 0.0428639	total: 4.74s	remaining: 1.62s
745:	learn: 0.0428183	total: 4.75s	remaining: 1.61s
746:	learn: 0.0428154	total: 4.75s	remaining: 1.61s
747:	learn: 0.0427369	total: 4.75s	remaining: 1.6s
748:	learn: 0.0427333	total: 4.75s	remaining: 1.59s
749:	learn: 0.0426964	total: 4.75s	remaining: 1.58s
750:	learn: 0.0426267	total: 4.76s	remaining: 1.58s
751:	learn: 0.0425781	total: 4.76s	remaining: 1.57s
752:	learn: 0.0425733	total: 4.76s	remaining: 1.56s
753:	learn: 0.0425327	total: 4.76s	remaining: 1.55s
754:	learn: 0.0425044	total: 4.77s	remaining: 1.55s
755:	learn: 0.0424442	total: 4.77s	remaining: 1.54s
756:	learn: 0.0424389	total: 4.77s	remaining: 1.53s
757:	learn: 0.0423545	total: 4.79s	remaining: 1.53s
758:	learn: 0.0422897	total: 4.8s	remaining: 1.52s
759:	learn: 0.0422612	total: 4.8s	remaining: 1.51s
760:	learn: 0.0421818	total: 4.8s	remaining: 1.51s
761:	learn: 0.0421784	total: 4.8s	remaining: 1.5s
762:	learn: 0.0421507	total: 4.8s	remaining: 1.49s
763:	learn: 0.0421294	total: 4.8s	remaining: 1.48s

```

764: learn: 0.0420814      total: 4.81s  remaining: 1.48s
765: learn: 0.0420242      total: 4.81s  remaining: 1.47s
766: learn: 0.0419662      total: 4.82s  remaining: 1.46s
767: learn: 0.0419032      total: 4.82s  remaining: 1.46s
768: learn: 0.0418564      total: 4.82s  remaining: 1.45s
769: learn: 0.0418245      total: 4.82s  remaining: 1.44s
770: learn: 0.0417695      total: 4.83s  remaining: 1.44s
771: learn: 0.0417138      total: 4.83s  remaining: 1.43s
772: learn: 0.0416628      total: 4.84s  remaining: 1.42s
773: learn: 0.0416186      total: 4.84s  remaining: 1.41s
774: learn: 0.0415478      total: 4.85s  remaining: 1.41s
775: learn: 0.0414674      total: 4.86s  remaining: 1.4s
776: learn: 0.0414645      total: 4.86s  remaining: 1.4s
777: learn: 0.0414237      total: 4.87s  remaining: 1.39s
778: learn: 0.0414197      total: 4.87s  remaining: 1.38s
779: learn: 0.0413433      total: 4.88s  remaining: 1.38s
780: learn: 0.0412925      total: 4.88s  remaining: 1.37s
781: learn: 0.0412897      total: 4.89s  remaining: 1.36s
782: learn: 0.0412662      total: 4.9s   remaining: 1.36s
783: learn: 0.0411761      total: 4.9s   remaining: 1.35s
784: learn: 0.0410886      total: 4.91s  remaining: 1.34s
785: learn: 0.0410343      total: 4.92s  remaining: 1.34s
786: learn: 0.0409562      total: 4.92s  remaining: 1.33s
787: learn: 0.0408855      total: 4.93s  remaining: 1.32s
788: learn: 0.0408193      total: 4.93s  remaining: 1.32s
789: learn: 0.0407715      total: 4.93s  remaining: 1.31s
790: learn: 0.0407688      total: 4.94s  remaining: 1.3s
791: learn: 0.0407322      total: 4.94s  remaining: 1.3s
792: learn: 0.0406791      total: 4.95s  remaining: 1.29s
793: learn: 0.0406261      total: 4.96s  remaining: 1.28s
794: learn: 0.0406127      total: 4.96s  remaining: 1.28s
795: learn: 0.0406071      total: 4.96s  remaining: 1.27s
796: learn: 0.0405520      total: 4.97s  remaining: 1.27s
797: learn: 0.0404891      total: 4.98s  remaining: 1.26s
798: learn: 0.0404129      total: 4.99s  remaining: 1.26s
799: learn: 0.0403315      total: 5s     remaining: 1.25s
800: learn: 0.0402419      total: 5s     remaining: 1.24s
801: learn: 0.0401511      total: 5.01s  remaining: 1.24s
802: learn: 0.0400934      total: 5.01s  remaining: 1.23s
803: learn: 0.0400084      total: 5.02s  remaining: 1.22s
804: learn: 0.0399215      total: 5.03s  remaining: 1.22s
805: learn: 0.0398506      total: 5.03s  remaining: 1.21s
806: learn: 0.0398069      total: 5.04s  remaining: 1.21s
807: learn: 0.0397698      total: 5.07s  remaining: 1.2s
808: learn: 0.0397142      total: 5.08s  remaining: 1.2s
809: learn: 0.0396662      total: 5.08s  remaining: 1.19s
810: learn: 0.0395830      total: 5.09s  remaining: 1.19s
811: learn: 0.0395584      total: 5.1s   remaining: 1.18s
812: learn: 0.0395006      total: 5.11s  remaining: 1.17s
813: learn: 0.0394766      total: 5.11s  remaining: 1.17s
814: learn: 0.0394393      total: 5.12s  remaining: 1.16s
815: learn: 0.0394366      total: 5.13s  remaining: 1.16s
816: learn: 0.0393659      total: 5.13s  remaining: 1.15s
817: learn: 0.0393026      total: 5.14s  remaining: 1.14s
818: learn: 0.0392496      total: 5.14s  remaining: 1.14s
819: learn: 0.0392020      total: 5.16s  remaining: 1.13s
820: learn: 0.0391782      total: 5.16s  remaining: 1.13s
821: learn: 0.0391149      total: 5.17s  remaining: 1.12s
822: learn: 0.0390478      total: 5.17s  remaining: 1.11s
823: learn: 0.0390155      total: 5.18s  remaining: 1.1s
824: learn: 0.0389380      total: 5.19s  remaining: 1.1s
825: learn: 0.0389257      total: 5.19s  remaining: 1.09s
826: learn: 0.0388561      total: 5.2s   remaining: 1.09s
827: learn: 0.0387698      total: 5.2s   remaining: 1.08s

```

```

828: learn: 0.0386952    total: 5.21s    remaining: 1.07s
829: learn: 0.0386454    total: 5.21s    remaining: 1.07s
830: learn: 0.0385646    total: 5.22s    remaining: 1.06s
831: learn: 0.0385230    total: 5.22s    remaining: 1.05s
832: learn: 0.0384664    total: 5.23s    remaining: 1.05s
833: learn: 0.0384176    total: 5.23s    remaining: 1.04s
834: learn: 0.0383284    total: 5.24s    remaining: 1.03s
835: learn: 0.0382813    total: 5.24s    remaining: 1.03s
836: learn: 0.0382119    total: 5.25s    remaining: 1.02s
837: learn: 0.0381190    total: 5.25s    remaining: 1.01s
838: learn: 0.0380755    total: 5.26s    remaining: 1.01s
839: learn: 0.0379808    total: 5.26s    remaining: 1s
840: learn: 0.0379377    total: 5.26s    remaining: 996ms
841: learn: 0.0378710    total: 5.27s    remaining: 989ms
842: learn: 0.0378126    total: 5.27s    remaining: 982ms
843: learn: 0.0377651    total: 5.28s    remaining: 976ms
844: learn: 0.0377033    total: 5.29s    remaining: 970ms
845: learn: 0.0376464    total: 5.29s    remaining: 963ms
846: learn: 0.0376040    total: 5.29s    remaining: 957ms
847: learn: 0.0375435    total: 5.3s     remaining: 950ms
848: learn: 0.0375142    total: 5.3s     remaining: 944ms
849: learn: 0.0374760    total: 5.31s    remaining: 937ms
850: learn: 0.0373865    total: 5.32s    remaining: 931ms
851: learn: 0.0373337    total: 5.32s    remaining: 924ms
852: learn: 0.0372833    total: 5.33s    remaining: 919ms
0.009606856711702791
0.1206611210529807

```

Out[46]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

## Final submission

As the Stacking model obtained the best score, this is the model I choose.

```
# Predict y_pred_baseline
pipe_stacking.fit(X,y)
y_pred_final = pipe_stacking.predict(X_test)
y_pred_final
```

```
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
  warnings.warn(
```

```

Learning rate set to 0.043466
0: learn: 77267.1995399 total: 119ms remaining: 1m 59s
1: learn: 75117.8813121 total: 123ms remaining: 1m 1s
2: learn: 73062.9629436 total: 125ms remaining: 41.7s
3: learn: 71054.2725633 total: 133ms remaining: 33s
4: learn: 69085.7583500 total: 136ms remaining: 27.1s
5: learn: 67331.7195741 total: 139ms remaining: 23.1s
6: learn: 65649.0997055 total: 142ms remaining: 20.1s
7: learn: 63968.2109220 total: 145ms remaining: 18s
8: learn: 62321.2473715 total: 149ms remaining: 16.4s
9: learn: 60854.2777117 total: 152ms remaining: 15.1s
10: learn: 59463.8173395 total: 155ms remaining: 14s
11: learn: 58113.7149406 total: 159ms remaining: 13.1s
12: learn: 56743.5359409 total: 162ms remaining: 12.3s
13: learn: 55377.2227770 total: 165ms remaining: 11.6s
14: learn: 54149.1087289 total: 170ms remaining: 11.2s
15: learn: 52905.6931904 total: 175ms remaining: 10.7s
16: learn: 51717.8051763 total: 179ms remaining: 10.3s
17: learn: 50688.6243820 total: 186ms remaining: 10.1s
18: learn: 49666.8398973 total: 190ms remaining: 9.83s
19: learn: 48569.9997926 total: 194ms remaining: 9.49s
20: learn: 47528.1240879 total: 198ms remaining: 9.21s
21: learn: 46659.8348074 total: 201ms remaining: 8.95s
22: learn: 45708.2544260 total: 205ms remaining: 8.7s
23: learn: 44824.0077816 total: 210ms remaining: 8.52s
24: learn: 44007.2305078 total: 216ms remaining: 8.43s
25: learn: 43172.3242257 total: 221ms remaining: 8.28s
26: learn: 42366.0725902 total: 228ms remaining: 8.21s
27: learn: 41540.0854941 total: 231ms remaining: 8.03s
28: learn: 40785.1838085 total: 237ms remaining: 7.93s
29: learn: 40142.8532993 total: 243ms remaining: 7.84s
30: learn: 39538.4414143 total: 246ms remaining: 7.69s
31: learn: 38837.7609774 total: 253ms remaining: 7.64s
32: learn: 38216.4868110 total: 256ms remaining: 7.49s
33: learn: 37628.8437313 total: 260ms remaining: 7.38s
34: learn: 37052.9841509 total: 264ms remaining: 7.27s
35: learn: 36500.7088504 total: 266ms remaining: 7.13s
36: learn: 35968.9456344 total: 270ms remaining: 7.02s
37: learn: 35459.0291846 total: 274ms remaining: 6.94s
38: learn: 34921.9720219 total: 278ms remaining: 6.84s
39: learn: 34417.7960153 total: 281ms remaining: 6.74s
40: learn: 34014.9047613 total: 289ms remaining: 6.75s
41: learn: 33503.6412975 total: 293ms remaining: 6.68s
42: learn: 33116.9090607 total: 297ms remaining: 6.61s
43: learn: 32739.9691372 total: 300ms remaining: 6.52s
44: learn: 32383.8496064 total: 305ms remaining: 6.46s
45: learn: 32014.4422166 total: 308ms remaining: 6.39s
46: learn: 31599.0361429 total: 314ms remaining: 6.36s
47: learn: 31196.4793333 total: 318ms remaining: 6.3s
48: learn: 30788.9759757 total: 322ms remaining: 6.24s
49: learn: 30500.2546752 total: 325ms remaining: 6.17s
50: learn: 30133.1939430 total: 327ms remaining: 6.09s
51: learn: 29827.9400527 total: 331ms remaining: 6.03s
52: learn: 29468.7912724 total: 338ms remaining: 6.04s
53: learn: 29180.3984203 total: 342ms remaining: 5.99s
54: learn: 28897.1174212 total: 346ms remaining: 5.94s
55: learn: 28660.1257409 total: 353ms remaining: 5.95s
56: learn: 28389.7868745 total: 358ms remaining: 5.92s
57: learn: 28128.8658470 total: 362ms remaining: 5.88s
58: learn: 27867.0296454 total: 366ms remaining: 5.84s
59: learn: 27609.5175029 total: 370ms remaining: 5.79s
60: learn: 27390.6368454 total: 373ms remaining: 5.74s
61: learn: 27114.9770328 total: 376ms remaining: 5.69s
62: learn: 26880.5156133 total: 380ms remaining: 5.65s

```

```

63: learn: 26680.5774025 total: 383ms remaining: 5.6s
64: learn: 26453.6974453 total: 386ms remaining: 5.55s
65: learn: 26228.1303637 total: 390ms remaining: 5.52s
66: learn: 26026.1277327 total: 397ms remaining: 5.53s
67: learn: 25817.1212729 total: 400ms remaining: 5.48s
68: learn: 25638.3208990 total: 403ms remaining: 5.43s
69: learn: 25460.1425864 total: 405ms remaining: 5.38s
70: learn: 25265.3089453 total: 411ms remaining: 5.37s
71: learn: 25047.4971294 total: 415ms remaining: 5.35s
72: learn: 24875.3257211 total: 418ms remaining: 5.31s
73: learn: 24721.6457500 total: 422ms remaining: 5.27s
74: learn: 24539.9908234 total: 425ms remaining: 5.24s
75: learn: 24370.7772710 total: 430ms remaining: 5.22s
76: learn: 24234.8956993 total: 433ms remaining: 5.19s
77: learn: 24090.9481131 total: 437ms remaining: 5.17s
78: learn: 23943.1507226 total: 441ms remaining: 5.14s
79: learn: 23831.9147155 total: 444ms remaining: 5.11s
80: learn: 23705.5724293 total: 450ms remaining: 5.11s
81: learn: 23563.9613435 total: 455ms remaining: 5.09s
82: learn: 23409.9395157 total: 458ms remaining: 5.06s
83: learn: 23294.4222501 total: 462ms remaining: 5.04s
84: learn: 23163.0822023 total: 466ms remaining: 5.01s
85: learn: 23054.9145120 total: 469ms remaining: 4.99s
86: learn: 22928.7404997 total: 473ms remaining: 4.96s
87: learn: 22843.5009434 total: 476ms remaining: 4.93s
88: learn: 22699.8369080 total: 479ms remaining: 4.9s
89: learn: 22596.5296198 total: 482ms remaining: 4.87s
90: learn: 22461.8719990 total: 487ms remaining: 4.86s
91: learn: 22389.0996265 total: 490ms remaining: 4.84s
92: learn: 22279.6680847 total: 494ms remaining: 4.82s
93: learn: 22175.6252545 total: 499ms remaining: 4.8s
94: learn: 22097.2777062 total: 502ms remaining: 4.78s
95: learn: 21990.3439164 total: 507ms remaining: 4.78s
96: learn: 21879.7283937 total: 512ms remaining: 4.77s
97: learn: 21785.3311853 total: 516ms remaining: 4.75s
98: learn: 21693.0411444 total: 520ms remaining: 4.73s
99: learn: 21607.4517708 total: 525ms remaining: 4.72s
100: learn: 21495.8730783 total: 528ms remaining: 4.7s
101: learn: 21411.0041298 total: 532ms remaining: 4.68s
102: learn: 21355.3471380 total: 536ms remaining: 4.66s
103: learn: 21270.5072213 total: 539ms remaining: 4.64s
104: learn: 21210.7096720 total: 545ms remaining: 4.65s
105: learn: 21135.6947970 total: 550ms remaining: 4.64s
106: learn: 21035.2350361 total: 554ms remaining: 4.63s
107: learn: 20959.5559715 total: 560ms remaining: 4.63s
108: learn: 20871.0105039 total: 566ms remaining: 4.63s
109: learn: 20790.1496831 total: 571ms remaining: 4.62s
110: learn: 20710.7895997 total: 578ms remaining: 4.63s
111: learn: 20655.6904112 total: 580ms remaining: 4.6s
112: learn: 20579.9853190 total: 592ms remaining: 4.65s
113: learn: 20503.9849719 total: 595ms remaining: 4.63s
114: learn: 20418.6919685 total: 609ms remaining: 4.68s
115: learn: 20363.7108448 total: 613ms remaining: 4.67s
116: learn: 20298.7062861 total: 618ms remaining: 4.67s
117: learn: 20234.8861505 total: 625ms remaining: 4.67s
118: learn: 20184.9152660 total: 629ms remaining: 4.65s
119: learn: 20111.1798612 total: 636ms remaining: 4.66s
120: learn: 20044.6154422 total: 643ms remaining: 4.67s
121: learn: 19974.2471864 total: 648ms remaining: 4.66s
122: learn: 19919.2075269 total: 651ms remaining: 4.64s
123: learn: 19864.1546049 total: 657ms remaining: 4.64s
124: learn: 19800.0409711 total: 664ms remaining: 4.65s
125: learn: 19736.7674768 total: 669ms remaining: 4.64s
126: learn: 19694.4479451 total: 675ms remaining: 4.64s

```

```
127: learn: 19647.8947556    total: 681ms   remaining: 4.64s
128: learn: 19610.5763377    total: 686ms   remaining: 4.63s
129: learn: 19566.9430691    total: 693ms   remaining: 4.64s
130: learn: 19496.5751273    total: 700ms   remaining: 4.64s
131: learn: 19456.8709942    total: 706ms   remaining: 4.64s
132: learn: 19381.2392801    total: 713ms   remaining: 4.65s
133: learn: 19344.2504320    total: 721ms   remaining: 4.66s
134: learn: 19301.0032243    total: 725ms   remaining: 4.65s
135: learn: 19249.0406311    total: 734ms   remaining: 4.66s
136: learn: 19195.1214676    total: 740ms   remaining: 4.66s
137: learn: 19151.8684417    total: 748ms   remaining: 4.67s
138: learn: 19115.4355997    total: 759ms   remaining: 4.7s
139: learn: 19069.6619196    total: 768ms   remaining: 4.72s
140: learn: 19025.6205600    total: 780ms   remaining: 4.75s
141: learn: 18996.3941218    total: 791ms   remaining: 4.78s
142: learn: 18949.6628779    total: 802ms   remaining: 4.81s
143: learn: 18897.0318302    total: 813ms   remaining: 4.83s
144: learn: 18842.6013767    total: 824ms   remaining: 4.86s
145: learn: 18795.7135859    total: 842ms   remaining: 4.92s
146: learn: 18738.9294678    total: 855ms   remaining: 4.96s
147: learn: 18720.9508607    total: 866ms   remaining: 4.99s
148: learn: 18681.9879645    total: 876ms   remaining: 5s
149: learn: 18640.4678213    total: 880ms   remaining: 4.99s
150: learn: 18623.7214047    total: 883ms   remaining: 4.96s
151: learn: 18579.4724179    total: 890ms   remaining: 4.97s
152: learn: 18513.8295811    total: 900ms   remaining: 4.98s
153: learn: 18451.1478048    total: 906ms   remaining: 4.98s
154: learn: 18434.8668608    total: 915ms   remaining: 4.99s
155: learn: 18378.7611201    total: 919ms   remaining: 4.97s
156: learn: 18319.7114120    total: 922ms   remaining: 4.95s
157: learn: 18283.6834157    total: 932ms   remaining: 4.97s
158: learn: 18246.4033520    total: 939ms   remaining: 4.96s
159: learn: 18196.5753249    total: 949ms   remaining: 4.98s
160: learn: 18178.6035585    total: 959ms   remaining: 5s
161: learn: 18143.3719587    total: 966ms   remaining: 5s
162: learn: 18092.7684684    total: 976ms   remaining: 5.01s
163: learn: 18043.8140488    total: 986ms   remaining: 5.03s
164: learn: 17987.4389287    total: 992ms   remaining: 5.02s
165: learn: 17956.1276575    total: 999ms   remaining: 5.02s
166: learn: 17923.0531494    total: 1.01s   remaining: 5.02s
167: learn: 17887.3991070    total: 1.01s   remaining: 5s
168: learn: 17845.5152537    total: 1.02s   remaining: 5.01s
169: learn: 17805.6466187    total: 1.02s   remaining: 5s
170: learn: 17768.5865616    total: 1.03s   remaining: 5.01s
171: learn: 17742.6739986    total: 1.04s   remaining: 5.01s
172: learn: 17693.9722893    total: 1.06s   remaining: 5.05s
173: learn: 17657.4520386    total: 1.07s   remaining: 5.06s
174: learn: 17624.1532458    total: 1.07s   remaining: 5.06s
175: learn: 17600.0514793    total: 1.08s   remaining: 5.07s
176: learn: 17563.5769839    total: 1.09s   remaining: 5.06s
177: learn: 17552.5202968    total: 1.09s   remaining: 5.04s
178: learn: 17523.8973398    total: 1.1s    remaining: 5.06s
179: learn: 17499.5429176    total: 1.11s   remaining: 5.04s
180: learn: 17464.1893701    total: 1.12s   remaining: 5.05s
181: learn: 17438.2253145    total: 1.12s   remaining: 5.05s
182: learn: 17400.4494668    total: 1.13s   remaining: 5.05s
183: learn: 17356.7317028    total: 1.14s   remaining: 5.06s
184: learn: 17323.1684313    total: 1.14s   remaining: 5.04s
185: learn: 17298.0569365    total: 1.15s   remaining: 5.03s
186: learn: 17256.5304385    total: 1.16s   remaining: 5.04s
187: learn: 17213.4194447    total: 1.16s   remaining: 5.02s
188: learn: 17180.1906222    total: 1.17s   remaining: 5.02s
189: learn: 17164.4007808    total: 1.17s   remaining: 5s
190: learn: 17115.5684265    total: 1.18s   remaining: 4.99s
```

```

191: learn: 17072.8329768 total: 1.18s remaining: 4.98s
192: learn: 17040.7798722 total: 1.19s remaining: 4.97s
193: learn: 17012.9743144 total: 1.2s remaining: 4.98s
194: learn: 16988.4153334 total: 1.22s remaining: 5.05s
195: learn: 16965.7369304 total: 1.23s remaining: 5.05s
196: learn: 16920.1141435 total: 1.39s remaining: 5.65s
197: learn: 16906.5868389 total: 1.39s remaining: 5.63s
198: learn: 16877.9256397 total: 1.4s remaining: 5.64s
199: learn: 16849.0501539 total: 1.42s remaining: 5.69s
200: learn: 16835.3267260 total: 1.43s remaining: 5.7s
201: learn: 16812.5777188 total: 1.45s remaining: 5.73s
202: learn: 16791.6501756 total: 1.46s remaining: 5.71s
203: learn: 16752.8522703 total: 1.46s remaining: 5.69s
204: learn: 16741.8720757 total: 1.47s remaining: 5.71s
205: learn: 16716.8214703 total: 1.48s remaining: 5.71s
206: learn: 16685.5800880 total: 1.5s remaining: 5.75s
207: learn: 16665.9695626 total: 1.53s remaining: 5.81s
208: learn: 16655.9469198 total: 1.53s remaining: 5.81s
209: learn: 16643.3576053 total: 1.54s remaining: 5.81s
210: learn: 16613.3217536 total: 1.55s remaining: 5.8s
211: learn: 16591.3155438 total: 1.56s remaining: 5.79s
212: learn: 16562.7107239 total: 1.57s remaining: 5.8s
213: learn: 16532.3947614 total: 1.58s remaining: 5.81s
214: learn: 16481.7782249 total: 1.59s remaining: 5.81s
215: learn: 16441.5716473 total: 1.64s remaining: 5.96s
216: learn: 16403.2050871 total: 1.65s remaining: 5.94s
217: learn: 16364.4703386 total: 1.65s remaining: 5.92s
218: learn: 16344.9110284 total: 1.66s remaining: 5.93s
219: learn: 16325.4269145 total: 1.67s remaining: 5.91s
220: learn: 16300.2105113 total: 1.67s remaining: 5.89s
221: learn: 16285.5273576 total: 1.68s remaining: 5.89s
222: learn: 16267.1425057 total: 1.69s remaining: 5.88s
223: learn: 16242.0480721 total: 1.69s remaining: 5.86s
224: learn: 16214.1846704 total: 1.71s remaining: 5.88s
225: learn: 16187.6645828 total: 1.71s remaining: 5.86s
226: learn: 16158.9862374 total: 1.73s remaining: 5.89s
227: learn: 16138.5254001 total: 1.74s remaining: 5.89s
228: learn: 16115.8628369 total: 1.75s remaining: 5.89s
229: learn: 16109.9665229 total: 1.75s remaining: 5.87s
230: learn: 16101.1386152 total: 1.76s remaining: 5.85s
231: learn: 16095.6950812 total: 1.77s remaining: 5.85s
232: learn: 16060.4079752 total: 1.77s remaining: 5.83s
233: learn: 16027.1243777 total: 1.78s remaining: 5.84s
234: learn: 16006.3171584 total: 1.79s remaining: 5.83s
235: learn: 15998.9243971 total: 1.8s remaining: 5.83s
236: learn: 15967.3781651 total: 1.81s remaining: 5.82s
237: learn: 15941.6350722 total: 1.81s remaining: 5.81s
238: learn: 15906.7472972 total: 1.82s remaining: 5.81s
239: learn: 15870.0547684 total: 1.83s remaining: 5.8s
240: learn: 15837.1400385 total: 1.84s remaining: 5.8s
241: learn: 15815.1464316 total: 1.85s remaining: 5.79s
242: learn: 15783.4475054 total: 1.86s remaining: 5.79s
243: learn: 15745.5818759 total: 1.87s remaining: 5.79s
244: learn: 15740.1277237 total: 1.87s remaining: 5.78s
245: learn: 15709.6075843 total: 1.88s remaining: 5.77s
246: learn: 15672.9296123 total: 1.9s remaining: 5.78s
247: learn: 15639.7542729 total: 1.9s remaining: 5.77s
248: learn: 15610.8209390 total: 1.91s remaining: 5.75s
249: learn: 15571.1809694 total: 1.91s remaining: 5.73s
250: learn: 15543.5585202 total: 1.91s remaining: 5.71s
251: learn: 15518.8518895 total: 1.92s remaining: 5.7s
252: learn: 15514.5188992 total: 1.92s remaining: 5.68s
253: learn: 15505.8167493 total: 1.92s remaining: 5.65s
254: learn: 15495.0810755 total: 1.93s remaining: 5.63s

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255: learn: 15478.4831203 total: 1.93s remaining: 5.61s
256: learn: 15468.8018734 total: 1.93s remaining: 5.59s
257: learn: 15442.1403161 total: 1.94s remaining: 5.57s
258: learn: 15437.7670346 total: 1.94s remaining: 5.55s
259: learn: 15414.7867628 total: 1.94s remaining: 5.53s
260: learn: 15390.9010373 total: 1.95s remaining: 5.51s
261: learn: 15376.9875900 total: 1.95s remaining: 5.49s
262: learn: 15333.3095851 total: 1.95s remaining: 5.47s
263: learn: 15329.0765906 total: 1.95s remaining: 5.45s
264: learn: 15283.9617765 total: 1.96s remaining: 5.43s
265: learn: 15268.4094949 total: 1.96s remaining: 5.41s
266: learn: 15257.2320454 total: 1.96s remaining: 5.39s
267: learn: 15222.0185251 total: 1.97s remaining: 5.37s
268: learn: 15192.7042411 total: 1.97s remaining: 5.37s
269: learn: 15168.1029746 total: 1.98s remaining: 5.35s
270: learn: 15155.5903531 total: 1.98s remaining: 5.33s
271: learn: 15125.9056244 total: 1.99s remaining: 5.31s
272: learn: 15100.2845804 total: 1.99s remaining: 5.29s
273: learn: 15067.8345527 total: 1.99s remaining: 5.28s
274: learn: 15051.5455940 total: 2s remaining: 5.27s
275: learn: 15018.6403096 total: 2s remaining: 5.26s
276: learn: 15010.9646538 total: 2.01s remaining: 5.24s
277: learn: 14999.2614758 total: 2.02s remaining: 5.25s
278: learn: 14971.3220738 total: 2.04s remaining: 5.26s
279: learn: 14954.6154146 total: 2.04s remaining: 5.25s
280: learn: 14933.7689386 total: 2.05s remaining: 5.25s
281: learn: 14900.9359194 total: 2.06s remaining: 5.25s
282: learn: 14877.4892984 total: 2.07s remaining: 5.24s
283: learn: 14863.5099467 total: 2.08s remaining: 5.24s
284: learn: 14861.3534268 total: 2.08s remaining: 5.23s
285: learn: 14837.7859315 total: 2.1s remaining: 5.23s
286: learn: 14812.1078949 total: 2.1s remaining: 5.22s
287: learn: 14801.2052928 total: 2.11s remaining: 5.22s
288: learn: 14786.1691551 total: 2.12s remaining: 5.21s
289: learn: 14758.9107187 total: 2.13s remaining: 5.21s
290: learn: 14754.6902237 total: 2.14s remaining: 5.21s
291: learn: 14724.2680672 total: 2.14s remaining: 5.19s
292: learn: 14697.9160276 total: 2.15s remaining: 5.18s
293: learn: 14671.0819957 total: 2.16s remaining: 5.19s
294: learn: 14641.4513739 total: 2.19s remaining: 5.22s
295: learn: 14612.2270647 total: 2.19s remaining: 5.22s
296: learn: 14608.0510932 total: 2.2s remaining: 5.21s
297: learn: 14585.0222065 total: 2.21s remaining: 5.2s
298: learn: 14549.8640920 total: 2.21s remaining: 5.19s
299: learn: 14533.0179028 total: 2.23s remaining: 5.19s
300: learn: 14502.9792394 total: 2.23s remaining: 5.19s
301: learn: 14482.1764589 total: 2.24s remaining: 5.19s
302: learn: 14476.3603758 total: 2.25s remaining: 5.17s
303: learn: 14464.9507368 total: 2.25s remaining: 5.16s
304: learn: 14437.2499911 total: 2.26s remaining: 5.16s
305: learn: 14426.7452851 total: 2.27s remaining: 5.15s
306: learn: 14392.1204977 total: 2.28s remaining: 5.16s
307: learn: 14382.6979572 total: 2.29s remaining: 5.15s
308: learn: 14349.2699109 total: 2.3s remaining: 5.14s
309: learn: 14334.0859889 total: 2.3s remaining: 5.13s
310: learn: 14319.5365535 total: 2.31s remaining: 5.12s
311: learn: 14300.8620076 total: 2.31s remaining: 5.1s
312: learn: 14275.0116086 total: 2.32s remaining: 5.1s
313: learn: 14255.4964031 total: 2.33s remaining: 5.08s
314: learn: 14230.5150724 total: 2.33s remaining: 5.08s
315: learn: 14215.7837310 total: 2.34s remaining: 5.07s
316: learn: 14192.1636752 total: 2.35s remaining: 5.06s
317: learn: 14159.6002165 total: 2.35s remaining: 5.05s
318: learn: 14140.0006830 total: 2.36s remaining: 5.04s

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319: learn: 14135.4303480    total: 2.37s  remaining: 5.03s
320: learn: 14119.5543533    total: 2.37s  remaining: 5.02s
321: learn: 14107.0268882    total: 2.38s  remaining: 5.02s
322: learn: 14091.7584700    total: 2.39s  remaining: 5.01s
323: learn: 14056.5911074    total: 2.4s   remaining: 5s
324: learn: 14035.6919586    total: 2.41s  remaining: 5s
325: learn: 14012.9431241    total: 2.41s  remaining: 4.99s
326: learn: 14000.8082434    total: 2.43s  remaining: 5s
327: learn: 13996.9777240    total: 2.44s  remaining: 5.01s
328: learn: 13960.9611257    total: 2.45s  remaining: 4.99s
329: learn: 13949.5437489    total: 2.46s  remaining: 4.99s
330: learn: 13945.7972078    total: 2.46s  remaining: 4.98s
331: learn: 13929.0512901    total: 2.47s  remaining: 4.97s
332: learn: 13917.8161845    total: 2.48s  remaining: 4.96s
333: learn: 13899.1272173    total: 2.48s  remaining: 4.95s
334: learn: 13883.5967913    total: 2.5s   remaining: 4.96s
335: learn: 13853.5118541    total: 2.52s  remaining: 4.97s
336: learn: 13828.3703815    total: 2.52s  remaining: 4.97s
337: learn: 13797.8717612    total: 2.53s  remaining: 4.96s
338: learn: 13784.9603698    total: 2.53s  remaining: 4.94s
339: learn: 13754.7802810    total: 2.55s  remaining: 4.95s
340: learn: 13744.0136932    total: 2.55s  remaining: 4.94s
341: learn: 13729.3018378    total: 2.56s  remaining: 4.92s
342: learn: 13686.8298729    total: 2.57s  remaining: 4.92s
343: learn: 13681.6660448    total: 2.57s  remaining: 4.9s
344: learn: 13650.1922630    total: 2.58s  remaining: 4.89s
345: learn: 13631.0002335    total: 2.58s  remaining: 4.89s
346: learn: 13603.0104922    total: 2.59s  remaining: 4.88s
347: learn: 13592.8624134    total: 2.6s   remaining: 4.87s
348: learn: 13574.5039397    total: 2.61s  remaining: 4.87s
349: learn: 13562.1073113    total: 2.62s  remaining: 4.87s
350: learn: 13552.1115651    total: 2.63s  remaining: 4.86s
351: learn: 13541.5446470    total: 2.63s  remaining: 4.85s
352: learn: 13536.3847318    total: 2.64s  remaining: 4.84s
353: learn: 13533.5001785    total: 2.65s  remaining: 4.83s
354: learn: 13510.4747577    total: 2.67s  remaining: 4.84s
355: learn: 13483.6128660    total: 2.67s  remaining: 4.84s
356: learn: 13481.7946660    total: 2.69s  remaining: 4.84s
357: learn: 13454.2861788    total: 2.69s  remaining: 4.83s
358: learn: 13442.7345963    total: 2.7s   remaining: 4.82s
359: learn: 13435.5562263    total: 2.71s  remaining: 4.81s
360: learn: 13409.6021115    total: 2.71s  remaining: 4.8s
361: learn: 13383.5853912    total: 2.72s  remaining: 4.79s
362: learn: 13372.4929182    total: 2.72s  remaining: 4.78s
363: learn: 13348.1819122    total: 2.73s  remaining: 4.77s
364: learn: 13321.5258243    total: 2.74s  remaining: 4.76s
365: learn: 13295.5405532    total: 2.74s  remaining: 4.75s
366: learn: 13284.4501290    total: 2.75s  remaining: 4.74s
367: learn: 13265.0517704    total: 2.75s  remaining: 4.73s
368: learn: 13242.3336131    total: 2.76s  remaining: 4.72s
369: learn: 13223.6132044    total: 2.77s  remaining: 4.72s
370: learn: 13202.2548835    total: 2.78s  remaining: 4.71s
371: learn: 13199.2879843    total: 2.78s  remaining: 4.69s
372: learn: 13178.8050823    total: 2.78s  remaining: 4.68s
373: learn: 13169.0539224    total: 2.79s  remaining: 4.67s
374: learn: 13160.2684888    total: 2.79s  remaining: 4.66s
375: learn: 13131.6257860    total: 2.8s   remaining: 4.65s
376: learn: 13107.2155271    total: 2.81s  remaining: 4.64s
377: learn: 13084.5853059    total: 2.81s  remaining: 4.63s
378: learn: 13057.8974567    total: 2.82s  remaining: 4.62s
379: learn: 13033.7204078    total: 2.83s  remaining: 4.61s
380: learn: 13018.1179579    total: 2.83s  remaining: 4.6s
381: learn: 13011.9013129    total: 2.84s  remaining: 4.59s
382: learn: 13010.1590639    total: 2.85s  remaining: 4.58s

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383: learn: 12984.2640774 total: 2.85s remaining: 4.57s
384: learn: 12955.2191379 total: 2.85s remaining: 4.55s
385: learn: 12938.2709126 total: 2.86s remaining: 4.54s
386: learn: 12909.4039824 total: 2.86s remaining: 4.54s
387: learn: 12897.3816888 total: 2.87s remaining: 4.52s
388: learn: 12877.3002689 total: 2.87s remaining: 4.51s
389: learn: 12856.3694371 total: 2.88s remaining: 4.5s
390: learn: 12830.6010606 total: 2.88s remaining: 4.49s
391: learn: 12828.5800994 total: 2.89s remaining: 4.48s
392: learn: 12826.2331531 total: 2.9s remaining: 4.48s
393: learn: 12824.4917403 total: 2.91s remaining: 4.47s
394: learn: 12806.2043061 total: 2.92s remaining: 4.48s
395: learn: 12790.5772520 total: 2.93s remaining: 4.46s
396: learn: 12769.0929713 total: 2.95s remaining: 4.48s
397: learn: 12759.5997481 total: 2.95s remaining: 4.47s
398: learn: 12743.9483440 total: 2.96s remaining: 4.46s
399: learn: 12716.8955581 total: 2.97s remaining: 4.46s
400: learn: 12697.4130456 total: 2.98s remaining: 4.45s
401: learn: 12679.5580487 total: 2.98s remaining: 4.44s
402: learn: 12652.8102621 total: 3s remaining: 4.44s
403: learn: 12626.7032094 total: 3s remaining: 4.43s
404: learn: 12615.4066451 total: 3.01s remaining: 4.42s
405: learn: 12607.2248793 total: 3.02s remaining: 4.42s
406: learn: 12585.0933059 total: 3.02s remaining: 4.41s
407: learn: 12557.7872748 total: 3.03s remaining: 4.39s
408: learn: 12524.1751286 total: 3.03s remaining: 4.38s
409: learn: 12505.0082492 total: 3.04s remaining: 4.37s
410: learn: 12486.0393829 total: 3.04s remaining: 4.36s
411: learn: 12475.4105035 total: 3.05s remaining: 4.35s
412: learn: 12473.7506158 total: 3.06s remaining: 4.35s
413: learn: 12453.7642171 total: 3.06s remaining: 4.33s
414: learn: 12434.9125841 total: 3.07s remaining: 4.32s
415: learn: 12421.0312194 total: 3.07s remaining: 4.31s
416: learn: 12402.3517756 total: 3.08s remaining: 4.3s
417: learn: 12389.3743009 total: 3.08s remaining: 4.29s
418: learn: 12371.6149481 total: 3.09s remaining: 4.28s
419: learn: 12362.2333178 total: 3.09s remaining: 4.27s
420: learn: 12347.5600318 total: 3.1s remaining: 4.26s
421: learn: 12346.3197770 total: 3.1s remaining: 4.25s
422: learn: 12330.0120704 total: 3.11s remaining: 4.24s
423: learn: 12313.4472379 total: 3.12s remaining: 4.23s
424: learn: 12290.8298140 total: 3.12s remaining: 4.22s
425: learn: 12283.9192581 total: 3.13s remaining: 4.21s
426: learn: 12266.1761589 total: 3.13s remaining: 4.21s
427: learn: 12247.2163368 total: 3.14s remaining: 4.2s
428: learn: 12230.4266039 total: 3.15s remaining: 4.19s
429: learn: 12210.3187153 total: 3.15s remaining: 4.18s
430: learn: 12192.7680161 total: 3.16s remaining: 4.17s
431: learn: 12173.7389298 total: 3.17s remaining: 4.17s
432: learn: 12153.9889435 total: 3.18s remaining: 4.16s
433: learn: 12125.5515778 total: 3.18s remaining: 4.15s
434: learn: 12108.0233703 total: 3.19s remaining: 4.14s
435: learn: 12092.6565705 total: 3.19s remaining: 4.13s
436: learn: 12069.7558652 total: 3.2s remaining: 4.12s
437: learn: 12066.8678888 total: 3.2s remaining: 4.11s
438: learn: 12051.5912897 total: 3.21s remaining: 4.11s
439: learn: 12037.1197288 total: 3.22s remaining: 4.1s
440: learn: 12026.2286400 total: 3.22s remaining: 4.09s
441: learn: 12024.9180087 total: 3.23s remaining: 4.08s
442: learn: 12002.6808706 total: 3.24s remaining: 4.07s
443: learn: 11996.3112879 total: 3.25s remaining: 4.07s
444: learn: 11984.8652004 total: 3.25s remaining: 4.06s
445: learn: 11967.8938574 total: 3.26s remaining: 4.05s
446: learn: 11945.5646684 total: 3.26s remaining: 4.04s
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447: learn: 11916.9356715 total: 3.27s remaining: 4.03s
448: learn: 11901.7816872 total: 3.28s remaining: 4.02s
449: learn: 11892.7186856 total: 3.29s remaining: 4.02s
450: learn: 11872.4338733 total: 3.29s remaining: 4.01s
451: learn: 11846.7321435 total: 3.3s remaining: 4s
452: learn: 11827.0181775 total: 3.31s remaining: 3.99s
453: learn: 11809.6808308 total: 3.31s remaining: 3.98s
454: learn: 11785.3344154 total: 3.31s remaining: 3.97s
455: learn: 11783.4961379 total: 3.32s remaining: 3.96s
456: learn: 11769.8521877 total: 3.32s remaining: 3.95s
457: learn: 11768.5836394 total: 3.33s remaining: 3.94s
458: learn: 11766.8492654 total: 3.34s remaining: 3.93s
459: learn: 11745.5659752 total: 3.34s remaining: 3.92s
460: learn: 11739.0916975 total: 3.35s remaining: 3.92s
461: learn: 11737.4617588 total: 3.35s remaining: 3.9s
462: learn: 11721.8329258 total: 3.36s remaining: 3.89s
463: learn: 11702.4692006 total: 3.36s remaining: 3.88s
464: learn: 11689.9085728 total: 3.37s remaining: 3.88s
465: learn: 11679.0118239 total: 3.37s remaining: 3.86s
466: learn: 11660.3890787 total: 3.38s remaining: 3.85s
467: learn: 11640.4186148 total: 3.38s remaining: 3.84s
468: learn: 11632.6676758 total: 3.39s remaining: 3.84s
469: learn: 11627.1128113 total: 3.4s remaining: 3.84s
470: learn: 11625.6604466 total: 3.4s remaining: 3.82s
471: learn: 11603.0968984 total: 3.41s remaining: 3.81s
472: learn: 11584.1190698 total: 3.42s remaining: 3.81s
473: learn: 11568.4947338 total: 3.42s remaining: 3.8s
474: learn: 11553.3307523 total: 3.43s remaining: 3.79s
475: learn: 11531.9395039 total: 3.43s remaining: 3.78s
476: learn: 11515.7399139 total: 3.43s remaining: 3.77s
477: learn: 11501.1814021 total: 3.44s remaining: 3.75s
478: learn: 11484.0885175 total: 3.44s remaining: 3.74s
479: learn: 11468.3337161 total: 3.44s remaining: 3.73s
480: learn: 11442.9891290 total: 3.44s remaining: 3.72s
481: learn: 11432.3247861 total: 3.45s remaining: 3.71s
482: learn: 11416.7456455 total: 3.46s remaining: 3.7s
483: learn: 11390.4240975 total: 3.46s remaining: 3.69s
484: learn: 11380.6607643 total: 3.47s remaining: 3.68s
485: learn: 11359.7543974 total: 3.47s remaining: 3.67s
486: learn: 11341.3358453 total: 3.48s remaining: 3.66s
487: learn: 11329.3873580 total: 3.48s remaining: 3.65s
488: learn: 11319.6793877 total: 3.48s remaining: 3.64s
489: learn: 11301.4230296 total: 3.48s remaining: 3.63s
490: learn: 11279.7286205 total: 3.49s remaining: 3.62s
491: learn: 11278.3466551 total: 3.5s remaining: 3.61s
492: learn: 11263.9434942 total: 3.5s remaining: 3.6s
493: learn: 11237.4272317 total: 3.51s remaining: 3.59s
494: learn: 11231.1990595 total: 3.51s remaining: 3.58s
495: learn: 11215.1995427 total: 3.51s remaining: 3.57s
496: learn: 11203.4839676 total: 3.52s remaining: 3.56s
497: learn: 11188.8339308 total: 3.52s remaining: 3.55s
498: learn: 11170.4363277 total: 3.52s remaining: 3.54s
499: learn: 11169.1966584 total: 3.53s remaining: 3.53s
500: learn: 11148.5638179 total: 3.53s remaining: 3.52s
501: learn: 11147.1833937 total: 3.53s remaining: 3.5s
502: learn: 11145.8887735 total: 3.54s remaining: 3.49s
503: learn: 11131.6440683 total: 3.54s remaining: 3.48s
504: learn: 11120.5670162 total: 3.55s remaining: 3.48s
505: learn: 11097.5401353 total: 3.56s remaining: 3.47s
506: learn: 11079.4891348 total: 3.56s remaining: 3.46s
507: learn: 11066.8002314 total: 3.56s remaining: 3.45s
508: learn: 11055.1597474 total: 3.56s remaining: 3.44s
509: learn: 11039.6983450 total: 3.57s remaining: 3.43s
510: learn: 11038.3569790 total: 3.57s remaining: 3.42s
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511: learn: 11035.6681779 total: 3.57s remaining: 3.4s
512: learn: 11013.6373233 total: 3.71s remaining: 3.52s
513: learn: 10999.1181513 total: 3.71s remaining: 3.51s
514: learn: 10983.2611033 total: 3.71s remaining: 3.5s
515: learn: 10967.2369082 total: 3.71s remaining: 3.48s
516: learn: 10950.1623362 total: 3.72s remaining: 3.47s
517: learn: 10936.4427981 total: 3.72s remaining: 3.46s
518: learn: 10921.1606777 total: 3.72s remaining: 3.45s
519: learn: 10920.1946443 total: 3.73s remaining: 3.44s
520: learn: 10909.6491859 total: 3.73s remaining: 3.43s
521: learn: 10897.9168527 total: 3.73s remaining: 3.42s
522: learn: 10888.9374504 total: 3.74s remaining: 3.41s
523: learn: 10863.7877746 total: 3.74s remaining: 3.4s
524: learn: 10849.5083728 total: 3.74s remaining: 3.39s
525: learn: 10831.2408373 total: 3.75s remaining: 3.38s
526: learn: 10825.9388587 total: 3.75s remaining: 3.36s
527: learn: 10807.6552732 total: 3.75s remaining: 3.35s
528: learn: 10796.4427990 total: 3.75s remaining: 3.34s
529: learn: 10795.2084526 total: 3.75s remaining: 3.33s
530: learn: 10786.5831343 total: 3.76s remaining: 3.32s
531: learn: 10785.0680815 total: 3.76s remaining: 3.31s
532: learn: 10771.9865212 total: 3.76s remaining: 3.3s
533: learn: 10759.0812064 total: 3.77s remaining: 3.29s
534: learn: 10740.6013456 total: 3.77s remaining: 3.28s
535: learn: 10732.5010856 total: 3.77s remaining: 3.27s
536: learn: 10725.5732833 total: 3.77s remaining: 3.25s
537: learn: 10708.9136765 total: 3.78s remaining: 3.24s
538: learn: 10692.9965235 total: 3.78s remaining: 3.23s
539: learn: 10687.4693254 total: 3.79s remaining: 3.23s
540: learn: 10674.7373482 total: 3.79s remaining: 3.21s
541: learn: 10658.8127388 total: 3.79s remaining: 3.2s
542: learn: 10645.8634892 total: 3.79s remaining: 3.19s
543: learn: 10633.4873486 total: 3.79s remaining: 3.18s
544: learn: 10618.6584453 total: 3.8s remaining: 3.17s
545: learn: 10607.8618986 total: 3.8s remaining: 3.16s
546: learn: 10596.3122684 total: 3.8s remaining: 3.15s
547: learn: 10581.5663304 total: 3.8s remaining: 3.14s
548: learn: 10580.3358627 total: 3.81s remaining: 3.13s
549: learn: 10571.9041928 total: 3.81s remaining: 3.12s
550: learn: 10558.5525954 total: 3.81s remaining: 3.1s
551: learn: 10544.1484428 total: 3.81s remaining: 3.1s
552: learn: 10532.0281051 total: 3.82s remaining: 3.08s
553: learn: 10516.8355804 total: 3.82s remaining: 3.08s
554: learn: 10505.3887336 total: 3.82s remaining: 3.06s
555: learn: 10504.2283569 total: 3.83s remaining: 3.06s
556: learn: 10491.1520979 total: 3.83s remaining: 3.04s
557: learn: 10484.5614965 total: 3.83s remaining: 3.03s
558: learn: 10466.9804977 total: 3.83s remaining: 3.02s
559: learn: 10452.3624085 total: 3.83s remaining: 3.01s
560: learn: 10436.2942297 total: 3.84s remaining: 3s
561: learn: 10407.8782181 total: 3.84s remaining: 2.99s
562: learn: 10399.8634392 total: 3.84s remaining: 2.98s
563: learn: 10389.2769780 total: 3.84s remaining: 2.97s
564: learn: 10374.4631804 total: 3.85s remaining: 2.96s
565: learn: 10367.9773039 total: 3.85s remaining: 2.95s
566: learn: 10340.1305281 total: 3.85s remaining: 2.94s
567: learn: 10328.3077033 total: 3.85s remaining: 2.93s
568: learn: 10309.4449055 total: 3.86s remaining: 2.92s
569: learn: 10291.4176285 total: 3.86s remaining: 2.91s
570: learn: 10274.2035988 total: 3.86s remaining: 2.9s
571: learn: 10259.6598283 total: 3.86s remaining: 2.89s
572: learn: 10243.9365694 total: 3.87s remaining: 2.88s
573: learn: 10242.8347973 total: 3.87s remaining: 2.87s
574: learn: 10241.8489764 total: 3.87s remaining: 2.86s
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575: learn: 10241.0648353 total: 3.87s remaining: 2.85s
576: learn: 10230.8135311 total: 3.88s remaining: 2.84s
577: learn: 10219.8939211 total: 3.88s remaining: 2.83s
578: learn: 10205.8690755 total: 3.88s remaining: 2.82s
579: learn: 10184.5986843 total: 3.88s remaining: 2.81s
580: learn: 10183.5655283 total: 3.88s remaining: 2.8s
581: learn: 10172.7668285 total: 3.89s remaining: 2.79s
582: learn: 10161.6093237 total: 3.89s remaining: 2.78s
583: learn: 10160.6110528 total: 3.89s remaining: 2.77s
584: learn: 10154.0377432 total: 3.89s remaining: 2.76s
585: learn: 10143.3137840 total: 3.9s remaining: 2.75s
586: learn: 10130.4746443 total: 3.9s remaining: 2.74s
587: learn: 10124.3671806 total: 3.9s remaining: 2.73s
588: learn: 10117.6639320 total: 3.9s remaining: 2.72s
589: learn: 10116.8297701 total: 3.91s remaining: 2.71s
590: learn: 10110.7121977 total: 3.91s remaining: 2.71s
591: learn: 10099.9103924 total: 3.92s remaining: 2.7s
592: learn: 10083.7695561 total: 3.92s remaining: 2.69s
593: learn: 10068.9808677 total: 3.92s remaining: 2.68s
594: learn: 10052.6867906 total: 3.92s remaining: 2.67s
595: learn: 10041.6487954 total: 3.92s remaining: 2.66s
596: learn: 10025.8785511 total: 3.93s remaining: 2.65s
597: learn: 10018.7982047 total: 3.93s remaining: 2.64s
598: learn: 10005.5136244 total: 3.93s remaining: 2.63s
599: learn: 9997.5722252 total: 3.94s remaining: 2.62s
600: learn: 9984.1122304 total: 3.94s remaining: 2.61s
601: learn: 9971.5572202 total: 3.94s remaining: 2.6s
602: learn: 9958.3590939 total: 3.94s remaining: 2.6s
603: learn: 9956.6665169 total: 3.95s remaining: 2.59s
604: learn: 9955.7267894 total: 3.95s remaining: 2.58s
605: learn: 9954.7464399 total: 3.95s remaining: 2.57s
606: learn: 9948.1461076 total: 3.95s remaining: 2.56s
607: learn: 9935.8105064 total: 3.95s remaining: 2.55s
608: learn: 9924.5364831 total: 3.96s remaining: 2.54s
609: learn: 9916.4440639 total: 3.96s remaining: 2.53s
610: learn: 9899.6387021 total: 3.96s remaining: 2.52s
611: learn: 9889.4246768 total: 3.98s remaining: 2.52s
612: learn: 9875.2476521 total: 3.98s remaining: 2.51s
613: learn: 9871.1334654 total: 3.98s remaining: 2.5s
614: learn: 9858.5654852 total: 3.98s remaining: 2.49s
615: learn: 9857.7053943 total: 3.99s remaining: 2.48s
616: learn: 9851.0658012 total: 3.99s remaining: 2.48s
617: learn: 9841.7471850 total: 3.99s remaining: 2.47s
618: learn: 9834.8483643 total: 3.99s remaining: 2.46s
619: learn: 9827.2653008 total: 4s remaining: 2.45s
620: learn: 9826.4057578 total: 4s remaining: 2.44s
621: learn: 9815.7452936 total: 4s remaining: 2.43s
622: learn: 9802.8493630 total: 4.01s remaining: 2.42s
623: learn: 9791.1020156 total: 4.01s remaining: 2.42s
624: learn: 9790.4819745 total: 4.01s remaining: 2.41s
625: learn: 9782.0674882 total: 4.01s remaining: 2.4s
626: learn: 9775.5130327 total: 4.02s remaining: 2.39s
627: learn: 9763.2576763 total: 4.02s remaining: 2.38s
628: learn: 9750.7538668 total: 4.02s remaining: 2.37s
629: learn: 9737.9415605 total: 4.03s remaining: 2.36s
630: learn: 9728.9028212 total: 4.03s remaining: 2.35s
631: learn: 9720.4689512 total: 4.03s remaining: 2.35s
632: learn: 9710.5373009 total: 4.03s remaining: 2.34s
633: learn: 9699.2692696 total: 4.03s remaining: 2.33s
634: learn: 9692.0345495 total: 4.04s remaining: 2.32s
635: learn: 9679.8305154 total: 4.04s remaining: 2.31s
636: learn: 9664.7829355 total: 4.04s remaining: 2.3s
637: learn: 9650.5682984 total: 4.04s remaining: 2.29s
638: learn: 9642.9650730 total: 4.05s remaining: 2.29s
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639: learn: 9628.5474763      total: 4.05s    remaining: 2.28s
640: learn: 9618.9922483      total: 4.05s    remaining: 2.27s
641: learn: 9614.5445933      total: 4.05s    remaining: 2.26s
642: learn: 9603.2344156      total: 4.05s    remaining: 2.25s
643: learn: 9591.8338192      total: 4.06s    remaining: 2.24s
644: learn: 9579.7717255      total: 4.06s    remaining: 2.23s
645: learn: 9570.4216508      total: 4.06s    remaining: 2.23s
646: learn: 9550.8655879      total: 4.07s    remaining: 2.22s
647: learn: 9536.6007334      total: 4.07s    remaining: 2.21s
648: learn: 9518.4949559      total: 4.08s    remaining: 2.2s
649: learn: 9512.6646786      total: 4.08s    remaining: 2.2s
650: learn: 9509.6088683      total: 4.08s    remaining: 2.19s
651: learn: 9495.6964042      total: 4.09s    remaining: 2.18s
652: learn: 9476.9081292      total: 4.09s    remaining: 2.17s
653: learn: 9476.1464199      total: 4.1s     remaining: 2.17s
654: learn: 9464.4729403      total: 4.1s     remaining: 2.16s
655: learn: 9463.8197099      total: 4.1s     remaining: 2.15s
656: learn: 9452.1744707      total: 4.11s    remaining: 2.14s
657: learn: 9437.3255095      total: 4.11s    remaining: 2.13s
658: learn: 9427.9980168      total: 4.11s    remaining: 2.13s
659: learn: 9419.1666806      total: 4.11s    remaining: 2.12s
660: learn: 9412.3457800      total: 4.11s    remaining: 2.11s
661: learn: 9397.3745786      total: 4.12s    remaining: 2.1s
662: learn: 9388.2209290      total: 4.12s    remaining: 2.09s
663: learn: 9376.8796744      total: 4.12s    remaining: 2.09s
664: learn: 9364.5990603      total: 4.13s    remaining: 2.08s
665: learn: 9350.4029734      total: 4.13s    remaining: 2.07s
666: learn: 9342.2451203      total: 4.13s    remaining: 2.06s
667: learn: 9341.6105259      total: 4.14s    remaining: 2.06s
668: learn: 9327.5806787      total: 4.14s    remaining: 2.05s
669: learn: 9309.0360007      total: 4.14s    remaining: 2.04s
670: learn: 9298.4605090      total: 4.15s    remaining: 2.03s
671: learn: 9283.7384976      total: 4.15s    remaining: 2.02s
672: learn: 9274.0861254      total: 4.15s    remaining: 2.02s
673: learn: 9260.9028915      total: 4.16s    remaining: 2.01s
674: learn: 9254.6504212      total: 4.16s    remaining: 2s
675: learn: 9247.8396171      total: 4.16s    remaining: 2s
676: learn: 9238.4778959      total: 4.17s    remaining: 1.99s
677: learn: 9223.7222348      total: 4.17s    remaining: 1.98s
678: learn: 9214.1426521      total: 4.17s    remaining: 1.97s
679: learn: 9201.0420699      total: 4.17s    remaining: 1.96s
680: learn: 9187.4428818      total: 4.18s    remaining: 1.96s
681: learn: 9174.4311830      total: 4.18s    remaining: 1.95s
682: learn: 9167.9843342      total: 4.18s    remaining: 1.94s
683: learn: 9152.5947827      total: 4.19s    remaining: 1.93s
684: learn: 9139.8775630      total: 4.19s    remaining: 1.93s
685: learn: 9130.8184801      total: 4.19s    remaining: 1.92s
686: learn: 9117.8073525      total: 4.19s    remaining: 1.91s
687: learn: 9107.4001209      total: 4.2s     remaining: 1.9s
688: learn: 9091.1185255      total: 4.2s     remaining: 1.9s
689: learn: 9081.5320558      total: 4.2s     remaining: 1.89s
690: learn: 9070.9486064      total: 4.21s    remaining: 1.88s
691: learn: 9058.0484571      total: 4.21s    remaining: 1.87s
692: learn: 9052.2351688      total: 4.21s    remaining: 1.87s
693: learn: 9051.5710778      total: 4.21s    remaining: 1.86s
694: learn: 9041.8928431      total: 4.22s    remaining: 1.85s
695: learn: 9031.3248985      total: 4.22s    remaining: 1.84s
696: learn: 9020.6360969      total: 4.22s    remaining: 1.84s
697: learn: 9008.4808968      total: 4.23s    remaining: 1.83s
698: learn: 8992.2019348      total: 4.23s    remaining: 1.82s
699: learn: 8982.7193884      total: 4.23s    remaining: 1.81s
700: learn: 8971.3642127      total: 4.24s    remaining: 1.81s
701: learn: 8963.5861083      total: 4.24s    remaining: 1.8s
702: learn: 8949.5929789      total: 4.24s    remaining: 1.79s

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703: learn: 8939.8163868    total: 4.25s    remaining: 1.78s
704: learn: 8934.2021847    total: 4.25s    remaining: 1.78s
705: learn: 8923.1054018    total: 4.25s    remaining: 1.77s
706: learn: 8907.7737874    total: 4.25s    remaining: 1.76s
707: learn: 8898.9595703    total: 4.26s    remaining: 1.75s
708: learn: 8889.8998586    total: 4.26s    remaining: 1.75s
709: learn: 8878.3445275    total: 4.26s    remaining: 1.74s
710: learn: 8868.1616892    total: 4.26s    remaining: 1.73s
711: learn: 8851.0942419    total: 4.27s    remaining: 1.73s
712: learn: 8840.2951796    total: 4.27s    remaining: 1.72s
713: learn: 8835.5476649    total: 4.27s    remaining: 1.71s
714: learn: 8825.0517255    total: 4.28s    remaining: 1.7s
715: learn: 8817.5540534    total: 4.28s    remaining: 1.7s
716: learn: 8806.4891973    total: 4.28s    remaining: 1.69s
717: learn: 8792.7408184    total: 4.29s    remaining: 1.68s
718: learn: 8787.2379184    total: 4.29s    remaining: 1.68s
719: learn: 8776.6677944    total: 4.29s    remaining: 1.67s
720: learn: 8776.0819313    total: 4.29s    remaining: 1.66s
721: learn: 8767.2643399    total: 4.3s      remaining: 1.66s
722: learn: 8762.1291987    total: 4.3s      remaining: 1.65s
723: learn: 8750.8994227    total: 4.3s      remaining: 1.64s
724: learn: 8740.1833533    total: 4.31s    remaining: 1.63s
725: learn: 8731.4483996    total: 4.31s    remaining: 1.63s
726: learn: 8720.2359724    total: 4.31s    remaining: 1.62s
727: learn: 8709.7164090    total: 4.32s    remaining: 1.61s
728: learn: 8701.6758604    total: 4.32s    remaining: 1.6s
729: learn: 8690.8562047    total: 4.32s    remaining: 1.6s
730: learn: 8680.7406585    total: 4.33s    remaining: 1.59s
731: learn: 8676.6534333    total: 4.33s    remaining: 1.58s
732: learn: 8664.9979807    total: 4.33s    remaining: 1.58s
733: learn: 8662.4635248    total: 4.33s    remaining: 1.57s
734: learn: 8652.1797076    total: 4.34s    remaining: 1.56s
735: learn: 8648.5548219    total: 4.34s    remaining: 1.56s
736: learn: 8638.3887668    total: 4.34s    remaining: 1.55s
737: learn: 8623.4638964    total: 4.35s    remaining: 1.54s
738: learn: 8610.5561184    total: 4.35s    remaining: 1.54s
739: learn: 8597.7540686    total: 4.35s    remaining: 1.53s
740: learn: 8592.1603219    total: 4.36s    remaining: 1.52s
741: learn: 8580.5774731    total: 4.36s    remaining: 1.51s
742: learn: 8573.0777009    total: 4.36s    remaining: 1.51s
743: learn: 8562.4475260    total: 4.36s    remaining: 1.5s
744: learn: 8552.8203820    total: 4.37s    remaining: 1.49s
745: learn: 8542.3588644    total: 4.38s    remaining: 1.49s
746: learn: 8529.5743019    total: 4.38s    remaining: 1.48s
747: learn: 8511.5479549    total: 4.38s    remaining: 1.48s
748: learn: 8498.5440685    total: 4.38s    remaining: 1.47s
749: learn: 8487.4327876    total: 4.39s    remaining: 1.46s
750: learn: 8482.6211370    total: 4.39s    remaining: 1.46s
751: learn: 8472.0239519    total: 4.4s      remaining: 1.45s
752: learn: 8459.2897081    total: 4.4s      remaining: 1.44s
753: learn: 8447.9556235    total: 4.41s    remaining: 1.44s
754: learn: 8437.7399642    total: 4.41s    remaining: 1.43s
755: learn: 8424.9700004    total: 4.41s    remaining: 1.42s
756: learn: 8417.4960043    total: 4.41s    remaining: 1.42s
757: learn: 8411.6984755    total: 4.42s    remaining: 1.41s
758: learn: 8407.8087717    total: 4.42s    remaining: 1.4s
759: learn: 8403.7971957    total: 4.42s    remaining: 1.4s
760: learn: 8396.2736984    total: 4.42s    remaining: 1.39s
761: learn: 8391.4225892    total: 4.42s    remaining: 1.38s
762: learn: 8384.4280829    total: 4.43s    remaining: 1.38s
763: learn: 8371.5776802    total: 4.43s    remaining: 1.37s
764: learn: 8364.3016236    total: 4.43s    remaining: 1.36s
765: learn: 8357.8174318    total: 4.43s    remaining: 1.35s
766: learn: 8352.5693098    total: 4.44s    remaining: 1.35s

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767: learn: 8350.0329648    total: 4.44s  remaining: 1.34s
768: learn: 8342.6429971    total: 4.44s  remaining: 1.33s
769: learn: 8335.4846844    total: 4.45s  remaining: 1.33s
770: learn: 8328.9739879    total: 4.45s  remaining: 1.32s
771: learn: 8320.0515844    total: 4.45s  remaining: 1.31s
772: learn: 8309.6549115    total: 4.46s  remaining: 1.31s
773: learn: 8296.7085838    total: 4.46s  remaining: 1.3s
774: learn: 8280.1987575    total: 4.46s  remaining: 1.29s
775: learn: 8274.2199300    total: 4.46s  remaining: 1.29s
776: learn: 8263.2617772    total: 4.47s  remaining: 1.28s
777: learn: 8256.0185031    total: 4.47s  remaining: 1.27s
778: learn: 8239.9416450    total: 4.47s  remaining: 1.27s
779: learn: 8227.0975981    total: 4.48s  remaining: 1.26s
780: learn: 8223.1099239    total: 4.48s  remaining: 1.25s
781: learn: 8221.1173940    total: 4.48s  remaining: 1.25s
782: learn: 8220.6052210    total: 4.48s  remaining: 1.24s
783: learn: 8215.8185533    total: 4.49s  remaining: 1.24s
784: learn: 8207.0545678    total: 4.49s  remaining: 1.23s
785: learn: 8196.8178290    total: 4.49s  remaining: 1.22s
786: learn: 8189.1561685    total: 4.5s   remaining: 1.22s
787: learn: 8183.9653256    total: 4.5s   remaining: 1.21s
788: learn: 8180.3487991    total: 4.5s   remaining: 1.2s
789: learn: 8171.9111647    total: 4.5s   remaining: 1.2s
790: learn: 8160.0153676    total: 4.51s  remaining: 1.19s
791: learn: 8146.4538873    total: 4.51s  remaining: 1.18s
792: learn: 8140.2124229    total: 4.51s  remaining: 1.18s
793: learn: 8128.6301006    total: 4.51s  remaining: 1.17s
794: learn: 8120.8834120    total: 4.52s  remaining: 1.16s
795: learn: 8112.9487782    total: 4.52s  remaining: 1.16s
796: learn: 8101.1627815    total: 4.52s  remaining: 1.15s
797: learn: 8100.5083385    total: 4.53s  remaining: 1.15s
798: learn: 8092.0088218    total: 4.53s  remaining: 1.14s
799: learn: 8083.0360522    total: 4.53s  remaining: 1.13s
800: learn: 8073.1858585    total: 4.53s  remaining: 1.13s
801: learn: 8057.6608162    total: 4.54s  remaining: 1.12s
802: learn: 8054.7930179    total: 4.54s  remaining: 1.11s
803: learn: 8043.7402087    total: 4.54s  remaining: 1.11s
804: learn: 8038.9491161    total: 4.54s  remaining: 1.1s
805: learn: 8030.9941553    total: 4.55s  remaining: 1.09s
806: learn: 8020.8625606    total: 4.55s  remaining: 1.09s
807: learn: 8014.1188920    total: 4.55s  remaining: 1.08s
808: learn: 8009.0129198    total: 4.56s  remaining: 1.07s
809: learn: 8000.4109552    total: 4.56s  remaining: 1.07s
810: learn: 7987.6700652    total: 4.57s  remaining: 1.06s
811: learn: 7984.0936398    total: 4.57s  remaining: 1.06s
812: learn: 7976.8945283    total: 4.57s  remaining: 1.05s
813: learn: 7972.2126428    total: 4.57s  remaining: 1.04s
814: learn: 7964.9554244    total: 4.58s  remaining: 1.04s
815: learn: 7956.4018596    total: 4.58s  remaining: 1.03s
816: learn: 7945.1232112    total: 4.58s  remaining: 1.03s
817: learn: 7939.0245882    total: 4.58s  remaining: 1.02s
818: learn: 7928.7583555    total: 4.59s  remaining: 1.01s
819: learn: 7928.4336532    total: 4.59s  remaining: 1.01s
820: learn: 7921.7775037    total: 4.59s  remaining: 1s
821: learn: 7908.9482990    total: 4.59s  remaining: 995ms
822: learn: 7902.5880041    total: 4.6s   remaining: 989ms
823: learn: 7895.6420008    total: 4.6s   remaining: 983ms
824: learn: 7892.7569528    total: 4.6s   remaining: 976ms
825: learn: 7887.2803466    total: 4.61s  remaining: 970ms
826: learn: 7879.7102054    total: 4.61s  remaining: 964ms
827: learn: 7875.3352591    total: 4.61s  remaining: 958ms
828: learn: 7874.7439164    total: 4.62s  remaining: 952ms
829: learn: 7867.4800649    total: 4.62s  remaining: 946ms
830: learn: 7856.9527825    total: 4.62s  remaining: 940ms

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831: learn: 7848.3011654    total: 4.62s    remaining: 934ms
832: learn: 7836.9828585    total: 4.63s    remaining: 928ms
833: learn: 7828.1844507    total: 4.63s    remaining: 921ms
834: learn: 7821.4444999    total: 4.63s    remaining: 915ms
835: learn: 7811.7589963    total: 4.63s    remaining: 909ms
836: learn: 7801.1493504    total: 4.63s    remaining: 903ms
837: learn: 7800.6600515    total: 4.64s    remaining: 897ms
838: learn: 7791.3232863    total: 4.64s    remaining: 891ms
839: learn: 7782.1057727    total: 4.64s    remaining: 885ms
840: learn: 7772.8554090    total: 4.65s    remaining: 879ms
841: learn: 7760.8201554    total: 4.65s    remaining: 873ms
842: learn: 7752.0152367    total: 4.65s    remaining: 867ms
843: learn: 7745.2619143    total: 4.66s    remaining: 861ms
844: learn: 7728.5726565    total: 4.66s    remaining: 854ms
845: learn: 7718.3264908    total: 4.66s    remaining: 848ms
846: learn: 7713.0096832    total: 4.66s    remaining: 842ms
847: learn: 7703.4408539    total: 4.66s    remaining: 836ms
848: learn: 7697.2128278    total: 4.67s    remaining: 830ms
849: learn: 7691.3820205    total: 4.67s    remaining: 824ms
850: learn: 7686.1071296    total: 4.67s    remaining: 818ms
851: learn: 7679.2451158    total: 4.67s    remaining: 812ms
852: learn: 7675.2457025    total: 4.68s    remaining: 806ms
853: learn: 7667.6917227    total: 4.68s    remaining: 800ms
854: learn: 7660.9418908    total: 4.68s    remaining: 794ms
855: learn: 7656.8617370    total: 4.69s    remaining: 788ms
856: learn: 7648.1069682    total: 4.69s    remaining: 782ms
857: learn: 7634.7203921    total: 4.69s    remaining: 776ms
858: learn: 7627.9177201    total: 4.7s     remaining: 771ms
859: learn: 7620.0184791    total: 4.7s     remaining: 765ms
860: learn: 7614.8544213    total: 4.7s     remaining: 759ms
861: learn: 7606.4960169    total: 4.7s     remaining: 753ms
862: learn: 7600.5297815    total: 4.71s    remaining: 747ms
863: learn: 7591.7318803    total: 4.71s    remaining: 741ms
864: learn: 7591.3848003    total: 4.71s    remaining: 735ms
865: learn: 7577.7072103    total: 4.71s    remaining: 729ms
866: learn: 7567.7879255    total: 4.71s    remaining: 723ms
867: learn: 7562.3862315    total: 4.72s    remaining: 717ms
868: learn: 7558.5474635    total: 4.72s    remaining: 711ms
869: learn: 7547.2664300    total: 4.72s    remaining: 706ms
870: learn: 7542.9858236    total: 4.72s    remaining: 700ms
871: learn: 7538.1643101    total: 4.73s    remaining: 694ms
872: learn: 7530.1401437    total: 4.73s    remaining: 688ms
873: learn: 7523.9168696    total: 4.73s    remaining: 682ms
874: learn: 7515.5369138    total: 4.74s    remaining: 677ms
875: learn: 7509.8912216    total: 4.74s    remaining: 671ms
876: learn: 7506.0465689    total: 4.74s    remaining: 665ms
877: learn: 7496.1063323    total: 4.74s    remaining: 659ms
878: learn: 7484.6001980    total: 4.75s    remaining: 653ms
879: learn: 7472.9895057    total: 4.75s    remaining: 648ms
880: learn: 7470.5412924    total: 4.75s    remaining: 642ms
881: learn: 7456.9974442    total: 4.76s    remaining: 636ms
882: learn: 7447.2391901    total: 4.76s    remaining: 631ms

/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(
/home/joharlewagon/.pyenv/versions/3.10.6/envs/lewagon/lib/python3.10/site-packages/sklearn/ensemble/_base.py:156: FutureWarning: `base_estimator` was renamed to `estimator` in version 1.2 and will be removed in 1.4.
    warnings.warn(

```

```

966: learn: 0.0277663      total: 35.1s  remaining: 1.2s
967: learn: 0.0277381      total: 35.2s  remaining: 1.16s
968: learn: 0.0277155      total: 35.2s  remaining: 1.13s
969: learn: 0.0276673      total: 35.2s  remaining: 1.09s
970: learn: 0.0276511      total: 35.2s  remaining: 1.05s
971: learn: 0.0276200      total: 35.3s  remaining: 1.02s
972: learn: 0.0275828      total: 35.3s  remaining: 980ms
973: learn: 0.0275367      total: 35.4s  remaining: 944ms
974: learn: 0.0274978      total: 35.4s  remaining: 907ms
975: learn: 0.0274886      total: 35.4s  remaining: 870ms
976: learn: 0.0274418      total: 35.4s  remaining: 833ms
977: learn: 0.0273883      total: 35.4s  remaining: 796ms
978: learn: 0.0273746      total: 35.4s  remaining: 759ms
979: learn: 0.0273481      total: 35.4s  remaining: 722ms
980: learn: 0.0273198      total: 35.4s  remaining: 686ms
981: learn: 0.0272985      total: 35.4s  remaining: 650ms
982: learn: 0.0272857      total: 35.5s  remaining: 613ms
983: learn: 0.0272282      total: 35.5s  remaining: 577ms
984: learn: 0.0271935      total: 35.5s  remaining: 541ms
985: learn: 0.0271706      total: 35.5s  remaining: 505ms
986: learn: 0.0271243      total: 35.6s  remaining: 468ms
987: learn: 0.0271060      total: 35.6s  remaining: 433ms
988: learn: 0.0270589      total: 35.6s  remaining: 396ms
989: learn: 0.0270382      total: 35.7s  remaining: 360ms
990: learn: 0.0270005      total: 35.7s  remaining: 324ms
991: learn: 0.0269954      total: 35.7s  remaining: 288ms
992: learn: 0.0269426      total: 35.7s  remaining: 252ms
993: learn: 0.0268648      total: 35.7s  remaining: 216ms
994: learn: 0.0268359      total: 35.8s  remaining: 180ms
995: learn: 0.0268069      total: 35.8s  remaining: 144ms
996: learn: 0.0267894      total: 35.8s  remaining: 108ms
997: learn: 0.0267423      total: 35.9s  remaining: 71.9ms
998: learn: 0.0267282      total: 36s    remaining: 36ms
999: learn: 0.0266812      total: 36s    remaining: 0us

Learning rate set to 0.04196
0: learn: 79038.5067364      total: 510ms  remaining: 8m 29s
0: learn: 76613.7982710      total: 455ms  remaining: 7m 34s
0: learn: 76919.5327360      total: 426ms  remaining: 7m 5s
0: learn: 78644.3078212      total: 601ms  remaining: 10m
1: learn: 76949.4137332      total: 654ms  remaining: 5m 26s
1: learn: 76568.4705940      total: 659ms  remaining: 5m 28s
2: learn: 74942.2713632      total: 688ms  remaining: 3m 48s
3: learn: 73059.9709488      total: 699ms  remaining: 2m 54s
0: learn: 75332.3630406      total: 451ms  remaining: 7m 30s
2: learn: 74601.1582766      total: 761ms  remaining: 4m 12s
4: learn: 71205.1769617      total: 782ms  remaining: 2m 35s
5: learn: 69454.1409502      total: 799ms  remaining: 2m 12s
6: learn: 67894.8266154      total: 806ms  remaining: 1m 54s
1: learn: 74983.7052354      total: 726ms  remaining: 6m 2s
7: learn: 66240.9733489      total: 830ms  remaining: 1m 42s
1: learn: 74502.3672521      total: 779ms  remaining: 6m 28s
3: learn: 72713.1151539      total: 865ms  remaining: 3m 35s
8: learn: 64689.1306109      total: 887ms  remaining: 1m 37s
9: learn: 63153.0591128      total: 898ms  remaining: 1m 28s
10: learn: 61693.8390180      total: 935ms  remaining: 1m 24s
11: learn: 60233.3359501      total: 959ms  remaining: 1m 18s
2: learn: 73114.6374557      total: 872ms  remaining: 4m 49s
1: learn: 73393.5304893      total: 744ms  remaining: 6m 11s
12: learn: 58930.6517982      total: 1.09s  remaining: 1m 23s
13: learn: 57583.6041827      total: 1.14s  remaining: 1m 20s

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14: learn: 56367.8658905 total: 1.23s remaining: 1m 20s
3: learn: 71290.0633354 total: 1.14s remaining: 4m 42s
15: learn: 55113.7332028 total: 1.24s remaining: 1m 16s
4: learn: 69423.1707106 total: 1.26s remaining: 4m 10s
5: learn: 67715.6011222 total: 1.28s remaining: 3m 31s
6: learn: 66060.3268925 total: 1.3s remaining: 3m 4s
7: learn: 64399.2827748 total: 1.32s remaining: 2m 43s
8: learn: 62893.1338000 total: 1.35s remaining: 2m 28s
9: learn: 61628.5923440 total: 1.36s remaining: 2m 14s
10: learn: 60163.9774171 total: 1.36s remaining: 2m 2s
11: learn: 58824.3939460 total: 1.37s remaining: 1m 52s
12: learn: 57538.6007405 total: 1.39s remaining: 1m 45s
13: learn: 56258.1888688 total: 1.42s remaining: 1m 40s
14: learn: 55058.1871654 total: 1.43s remaining: 1m 33s
15: learn: 53829.4343404 total: 1.44s remaining: 1m 28s
16: learn: 52691.0721149 total: 1.47s remaining: 1m 24s
17: learn: 51599.8654730 total: 1.48s remaining: 1m 20s
18: learn: 50600.3144461 total: 1.57s remaining: 1m 21s
19: learn: 49568.3926288 total: 1.58s remaining: 1m 17s
20: learn: 48468.1448414 total: 1.62s remaining: 1m 15s
21: learn: 47425.7310707 total: 1.64s remaining: 1m 12s
2: learn: 72619.1848501 total: 1.74s remaining: 9m 39s
4: learn: 70856.1337994 total: 1.87s remaining: 6m 12s
3: learn: 70672.1546896 total: 1.98s remaining: 8m 13s
16: learn: 54017.2309739 total: 2.14s remaining: 2m 3s
22: learn: 46564.4174099 total: 2.05s remaining: 1m 27s
2: learn: 71394.5745219 total: 1.92s remaining: 10m 37s
17: learn: 52962.1645645 total: 2.17s remaining: 1m 58s
23: learn: 45598.9697139 total: 2.1s remaining: 1m 25s
24: learn: 44744.7938051 total: 2.12s remaining: 1m 22s
25: learn: 43996.7875001 total: 2.13s remaining: 1m 19s
5: learn: 69143.9549172 total: 2.26s remaining: 6m 14s
26: learn: 43153.7063332 total: 2.16s remaining: 1m 17s
6: learn: 67522.6041802 total: 2.28s remaining: 5m 23s
27: learn: 42293.2843078 total: 2.19s remaining: 1m 15s
7: learn: 65990.1601293 total: 2.29s remaining: 4m 43s
28: learn: 41539.2145188 total: 2.19s remaining: 1m 13s
8: learn: 64339.5347671 total: 2.31s remaining: 4m 14s
29: learn: 40885.0275377 total: 2.23s remaining: 1m 12s
9: learn: 62994.9855702 total: 2.33s remaining: 3m 51s
30: learn: 40225.1275475 total: 2.25s remaining: 1m 10s
4: learn: 68723.7823111 total: 2.31s remaining: 7m 39s
31: learn: 39500.7435592 total: 2.27s remaining: 1m 8s
18: learn: 51881.3593830 total: 2.37s remaining: 2m 2s
10: learn: 61529.3324915 total: 2.37s remaining: 3m 32s
11: learn: 60188.8624272 total: 2.38s remaining: 3m 15s
3: learn: 69573.8442793 total: 2.14s remaining: 8m 52s
32: learn: 38865.6379018 total: 2.29s remaining: 1m 6s
19: learn: 50753.1204718 total: 2.4s remaining: 1m 57s
20: learn: 49655.0200457 total: 2.43s remaining: 1m 53s
12: learn: 58829.9207974 total: 2.44s remaining: 3m 4s
4: learn: 67721.3701912 total: 2.21s remaining: 7m 19s
5: learn: 66022.1231584 total: 2.25s remaining: 6m 11s
33: learn: 38277.1219466 total: 2.41s remaining: 1m 8s
5: learn: 67009.3316150 total: 2.46s remaining: 6m 47s
13: learn: 57664.8145880 total: 2.51s remaining: 2m 57s
21: learn: 48761.9269528 total: 2.52s remaining: 1m 52s
6: learn: 64551.0481810 total: 2.28s remaining: 5m 23s
6: learn: 65375.7386907 total: 2.47s remaining: 5m 50s
22: learn: 47836.9908767 total: 2.53s remaining: 1m 47s
14: learn: 56299.1263637 total: 2.53s remaining: 2m 46s
15: learn: 55142.3515788 total: 2.54s remaining: 2m 36s
7: learn: 63853.5042212 total: 2.48s remaining: 5m 8s
8: learn: 62374.3441363 total: 2.49s remaining: 4m 34s

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7:	learn: 63083.6917715	total: 2.31s	remaining: 4m 46s
23:	learn: 46931.2302487	total: 2.56s	remaining: 1m 44s
9:	learn: 60921.8421276	total: 2.51s	remaining: 4m 8s
16:	learn: 54013.1097244	total: 2.56s	remaining: 2m 28s
24:	learn: 46079.9178765	total: 2.57s	remaining: 1m 40s
25:	learn: 45276.2620256	total: 2.58s	remaining: 1m 36s
8:	learn: 61485.7516965	total: 2.35s	remaining: 4m 18s
17:	learn: 52941.7875423	total: 2.59s	remaining: 2m 21s
10:	learn: 59540.6671675	total: 2.54s	remaining: 3m 48s
26:	learn: 44442.1937629	total: 2.6s	remaining: 1m 33s
11:	learn: 58133.1566651	total: 2.55s	remaining: 3m 30s
9:	learn: 60134.4484979	total: 2.37s	remaining: 3m 54s
18:	learn: 51868.0427182	total: 2.61s	remaining: 2m 14s
27:	learn: 43684.1365205	total: 2.61s	remaining: 1m 30s
19:	learn: 50718.7677322	total: 2.62s	remaining: 2m 8s
20:	learn: 49624.5466448	total: 2.63s	remaining: 2m 2s
10:	learn: 58823.4402250	total: 2.39s	remaining: 3m 34s
21:	learn: 48770.3030352	total: 2.63s	remaining: 1m 57s
28:	learn: 42942.3506765	total: 2.63s	remaining: 1m 27s
12:	learn: 56815.1732968	total: 2.58s	remaining: 3m 16s
11:	learn: 57407.9196980	total: 2.4s	remaining: 3m 17s
13:	learn: 55551.6164161	total: 2.59s	remaining: 3m 2s
22:	learn: 47873.3331139	total: 2.65s	remaining: 1m 52s
23:	learn: 46923.9464838	total: 2.65s	remaining: 1m 47s
29:	learn: 42282.5558119	total: 2.65s	remaining: 1m 25s
30:	learn: 41580.4479548	total: 2.66s	remaining: 1m 23s
16:	learn: 52022.0086111	total: 2.65s	remaining: 2m 33s
26:	learn: 44259.1502034	total: 2.7s	remaining: 1m 37s
13:	learn: 54833.6547558	total: 2.47s	remaining: 2m 53s
31:	learn: 40872.4209456	total: 2.67s	remaining: 1m 20s
32:	learn: 40313.8844102	total: 2.68s	remaining: 1m 18s
17:	learn: 50882.9225828	total: 2.67s	remaining: 2m 25s
27:	learn: 43455.2151012	total: 2.73s	remaining: 1m 34s
14:	learn: 53589.4493536	total: 2.49s	remaining: 2m 43s
28:	learn: 42749.1651862	total: 2.73s	remaining: 1m 31s
33:	learn: 39741.9182075	total: 2.69s	remaining: 1m 16s
15:	learn: 52412.3755853	total: 2.5s	remaining: 2m 33s
34:	learn: 39056.8861471	total: 2.71s	remaining: 1m 14s
16:	learn: 51248.7371217	total: 2.51s	remaining: 2m 25s
18:	learn: 49903.1541950	total: 2.7s	remaining: 2m 19s
29:	learn: 42071.6442889	total: 2.76s	remaining: 1m 29s
35:	learn: 38534.3409444	total: 2.72s	remaining: 1m 12s
19:	learn: 48896.9912549	total: 2.71s	remaining: 2m 12s
30:	learn: 41365.8154560	total: 2.77s	remaining: 1m 26s
31:	learn: 40664.5210066	total: 2.77s	remaining: 1m 23s
20:	learn: 48008.8058252	total: 2.72s	remaining: 2m 6s
32:	learn: 40021.5950908	total: 2.78s	remaining: 1m 21s
36:	learn: 38011.7072098	total: 2.75s	remaining: 1m 11s
21:	learn: 47168.8448766	total: 2.74s	remaining: 2m 1s
33:	learn: 39334.6022496	total: 2.82s	remaining: 1m 20s
17:	learn: 50206.8052372	total: 2.58s	remaining: 2m 20s
37:	learn: 37451.8572365	total: 5.49s	remaining: 2m 18s
38:	learn: 36872.9975256	total: 5.56s	remaining: 2m 16s
39:	learn: 36359.5128319	total: 5.56s	remaining: 2m 13s
40:	learn: 35926.0923211	total: 8.01s	remaining: 3m 7s
34:	learn: 38625.6519368	total: 8.14s	remaining: 3m 44s
34:	learn: 37697.0971368	total: 8.05s	remaining: 3m 42s
41:	learn: 35405.9541493	total: 8.04s	remaining: 3m 3s
42:	learn: 34983.3810520	total: 8.05s	remaining: 2m 59s
35:	learn: 38101.2897740	total: 8.16s	remaining: 3m 38s
36:	learn: 37570.6376608	total: 8.17s	remaining: 3m 32s
18:	learn: 49159.7671494	total: 7.94s	remaining: 6m 49s
43:	learn: 34509.2328590	total: 8.08s	remaining: 2m 55s
37:	learn: 36980.9796125	total: 8.19s	remaining: 3m 27s

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35: learn: 37127.9129817 total: 8.11s remaining: 3m 37s
38: learn: 36480.7660546 total: 8.21s remaining: 3m 22s
19: learn: 48096.2544423 total: 7.97s remaining: 6m 30s
36: learn: 36588.9273507 total: 8.12s remaining: 3m 31s
39: learn: 35914.6164259 total: 8.22s remaining: 3m 17s
20: learn: 47082.8102440 total: 7.99s remaining: 6m 12s
37: learn: 36011.8900381 total: 8.14s remaining: 3m 26s
40: learn: 35389.4456264 total: 8.24s remaining: 3m 12s
21: learn: 46266.4226104 total: 8.01s remaining: 5m 55s
41: learn: 34845.7025805 total: 8.25s remaining: 3m 8s
38: learn: 35528.0689129 total: 8.16s remaining: 3m 21s
42: learn: 34446.8590503 total: 8.26s remaining: 3m 3s
43: learn: 33982.9139729 total: 8.26s remaining: 2m 59s
39: learn: 35070.9136013 total: 8.17s remaining: 3m 16s
44: learn: 33538.8152444 total: 8.27s remaining: 2m 55s
22: learn: 45410.1686806 total: 8.04s remaining: 5m 41s
40: learn: 34593.7089140 total: 8.19s remaining: 3m 11s
23: learn: 44604.7291324 total: 8.05s remaining: 5m 27s
45: learn: 33190.6572784 total: 8.29s remaining: 2m 51s
44: learn: 34118.4436697 total: 8.18s remaining: 2m 53s
46: learn: 32756.4816448 total: 8.3s remaining: 2m 48s
41: learn: 34127.7628455 total: 8.21s remaining: 3m 7s
24: learn: 43719.3639305 total: 8.07s remaining: 5m 14s
47: learn: 32380.0196961 total: 8.31s remaining: 2m 44s
42: learn: 33745.5608405 total: 8.22s remaining: 3m 2s
25: learn: 42870.7477634 total: 8.08s remaining: 5m 2s
43: learn: 33316.4023688 total: 8.23s remaining: 2m 58s
48: learn: 32036.4816375 total: 8.33s remaining: 2m 41s
44: learn: 32897.0889143 total: 8.24s remaining: 2m 54s
26: learn: 42114.8294452 total: 8.1s remaining: 4m 51s
49: learn: 31642.3858653 total: 8.35s remaining: 2m 38s
50: learn: 31248.0352304 total: 8.36s remaining: 2m 35s
27: learn: 41358.4859448 total: 8.12s remaining: 4m 41s
45: learn: 32532.5281142 total: 8.27s remaining: 2m 51s
45: learn: 33777.8191037 total: 8.26s remaining: 2m 51s
28: learn: 40675.9211740 total: 8.13s remaining: 4m 32s
46: learn: 32136.1338991 total: 8.28s remaining: 2m 47s
29: learn: 40051.4779471 total: 8.15s remaining: 4m 23s
51: learn: 30935.4428438 total: 8.39s remaining: 2m 33s
52: learn: 30545.3413500 total: 8.4s remaining: 2m 30s
30: learn: 39466.0352632 total: 8.16s remaining: 4m 15s
53: learn: 30193.7175568 total: 8.41s remaining: 2m 27s
54: learn: 29844.6544882 total: 8.41s remaining: 2m 24s
55: learn: 29541.2739941 total: 8.43s remaining: 2m 22s
31: learn: 38828.8791406 total: 8.2s remaining: 4m 8s
56: learn: 29213.1601471 total: 8.45s remaining: 2m 19s
57: learn: 28931.2156352 total: 8.46s remaining: 2m 17s
32: learn: 38239.8420854 total: 8.22s remaining: 4m
58: learn: 28662.9112719 total: 8.48s remaining: 2m 15s
59: learn: 28420.6424849 total: 8.48s remaining: 2m 12s
47: learn: 31726.5402492 total: 8.39s remaining: 2m 46s
46: learn: 33338.2382707 total: 8.39s remaining: 2m 50s
22: learn: 46232.4846233 total: 8.46s remaining: 5m 59s
48: learn: 31312.4732835 total: 8.42s remaining: 2m 43s
49: learn: 30948.5673021 total: 8.43s remaining: 2m 40s
33: learn: 37669.4293032 total: 8.29s remaining: 3m 55s
60: learn: 28179.6844875 total: 8.54s remaining: 2m 11s
34: learn: 37077.9928580 total: 8.3s remaining: 3m 48s
50: learn: 30549.5121495 total: 8.46s remaining: 2m 37s
61: learn: 27959.9522485 total: 8.57s remaining: 2m 9s
35: learn: 36540.6342593 total: 8.34s remaining: 3m 43s
51: learn: 30200.8315921 total: 8.49s remaining: 2m 34s
23: learn: 45316.3678273 total: 8.54s remaining: 5m 47s
62: learn: 27718.2502249 total: 8.59s remaining: 2m 7s

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36:	learn: 36080.5856681	total: 8.36s	remaining: 3m 37s
52:	learn: 29882.3613479	total: 8.51s	remaining: 2m 32s
63:	learn: 27481.7310007	total: 8.63s	remaining: 2m 6s
24:	learn: 44435.3681348	total: 8.62s	remaining: 5m 36s
53:	learn: 29534.9969563	total: 8.61s	remaining: 2m 30s
54:	learn: 29216.6408153	total: 8.64s	remaining: 2m 28s
25:	learn: 43601.4308102	total: 8.71s	remaining: 5m 26s
37:	learn: 35546.9401321	total: 8.45s	remaining: 3m 33s
47:	learn: 32960.9969975	total: 8.67s	remaining: 2m 51s
38:	learn: 35012.4760494	total: 8.47s	remaining: 3m 28s
48:	learn: 32577.9652759	total: 8.71s	remaining: 2m 48s
39:	learn: 34489.2141467	total: 8.5s	remaining: 3m 24s
26:	learn: 42817.4563892	total: 8.77s	remaining: 5m 15s
27:	learn: 41969.9945021	total: 8.78s	remaining: 5m 4s
49:	learn: 32233.4417286	total: 8.8s	remaining: 2m 47s
28:	learn: 41283.3207768	total: 8.88s	remaining: 4m 57s
40:	learn: 34043.2537357	total: 8.62s	remaining: 3m 21s
29:	learn: 40683.9700972	total: 8.9s	remaining: 4m 47s
41:	learn: 33648.4093009	total: 8.64s	remaining: 3m 17s
50:	learn: 31874.6537615	total: 8.87s	remaining: 2m 45s
30:	learn: 40014.0206478	total: 8.93s	remaining: 4m 38s
31:	learn: 39290.6512728	total: 8.95s	remaining: 4m 30s
42:	learn: 33234.5588504	total: 8.68s	remaining: 3m 13s
43:	learn: 32834.1997001	total: 8.7s	remaining: 3m 9s
32:	learn: 38693.2513267	total: 8.97s	remaining: 4m 23s
33:	learn: 38136.9648708	total: 8.99s	remaining: 4m 15s
44:	learn: 32451.8818083	total: 8.73s	remaining: 3m 5s
55:	learn: 28900.9172328	total: 8.98s	remaining: 2m 31s
34:	learn: 37556.8719938	total: 9.03s	remaining: 4m 9s
51:	learn: 31566.6054976	total: 8.99s	remaining: 2m 43s
56:	learn: 28619.6396499	total: 9.01s	remaining: 2m 29s
35:	learn: 37019.0490414	total: 9.06s	remaining: 4m 2s
36:	learn: 36470.8364360	total: 9.07s	remaining: 3m 56s
52:	learn: 31264.5750631	total: 9.03s	remaining: 2m 41s
37:	learn: 35910.8737155	total: 9.09s	remaining: 3m 50s
45:	learn: 32085.9114577	total: 8.84s	remaining: 3m 3s
38:	learn: 35448.2626889	total: 9.1s	remaining: 3m 44s
2.63s	remaining: 1m 27s		
12:	learn: 56815.1732968	total: 2.58s	remaining: 3m 16s
11:	learn: 57407.9196980	total: 2.4s	remaining: 3m 17s
13:	learn: 55551.6164161	total: 2.59s	remaining: 3m 2s
22:	learn: 47873.3331139	total: 2.65s	remaining: 1m 52s
23:	learn: 46923.9464838	total: 253:	learn: 30954.3970358 total: 9.0
6s	remaining: 2m 38s		
41:	learn: 33983.8804914	total: 9.16s	remaining: 3m 29s
46:	learn: 31669.1136914	total: 8.91s	remaining: 3m
54:	learn: 30642.3815268	total: 9.08s	remaining: 2m 36s
64:	learn: 27261.6766655	total: 9.22s	remaining: 2m 12s
42:	learn: 33594.5318087	total: 9.21s	remaining: 3m 24s
47:	learn: 31299.9106669	total: 8.96s	remaining: 2m 57s
48:	learn: 30944.0115268	total: 8.99s	remaining: 2m 54s
43:	learn: 33171.9098133	total: 9.27s	remaining: 3m 21s
55:	learn: 30345.1958182	total: 9.17s	remaining: 2m 34s
49:	learn: 30600.3642671	total: 9.01s	remaining: 2m 51s
50:	learn: 30188.7255547	total: 9.04s	remaining: 2m 48s
44:	learn: 32753.6673955	total: 9.3s	remaining: 3m 17s
65:	learn: 27057.7231701	total: 9.33s	remaining: 2m 12s
56:	learn: 30051.1134315	total: 9.21s	remaining: 2m 32s
57:	learn: 28299.2807206	total: 9.26s	remaining: 2m 30s
57:	learn: 29819.1216668	total: 9.23s	remaining: 2m 29s
45:	learn: 32404.1877508	total: 9.33s	remaining: 3m 13s
51:	learn: 29931.8644794	total: 9.07s	remaining: 2m 45s
46:	learn: 32028.5021259	total: 9.35s	remaining: 3m 9s
52:	learn: 29624.6288364	total: 9.1s	remaining: 2m 42s

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58: learn: 29535.8142511 total: 9.3s remaining: 2m 28s
47: learn: 31662.6587210 total: 9.4s remaining: 3m 6s
59: learn: 29280.5048452 total: 9.31s remaining: 2m 25s
58: learn: 28040.3721956 total: 9.37s remaining: 2m 29s
48: learn: 31301.3771513 total: 9.42s remaining: 3m 2s
60: learn: 29027.3393620 total: 9.33s remaining: 2m 23s
53: learn: 29300.7294846 total: 9.17s remaining: 2m 40s
66: learn: 26855.0664791 total: 9.47s remaining: 2m 11s
61: learn: 28808.1047914 total: 9.35s remaining: 2m 21s
54: learn: 29036.4214209 total: 9.18s remaining: 2m 37s
59: learn: 27796.8756157 total: 9.41s remaining: 2m 27s
55: learn: 28734.3764362 total: 9.21s remaining: 2m 35s
67: learn: 26676.1194722 total: 9.52s remaining: 2m 10s
49: learn: 31013.5015495 total: 9.49s remaining: 3m
56: learn: 28488.4479124 total: 9.22s remaining: 2m 32s
62: learn: 28568.8174706 total: 9.41s remaining: 2m 19s
50: learn: 30671.9398651 total: 9.51s remaining: 2m 57s
68: learn: 26483.6604898 total: 9.55s remaining: 2m 8s
63: learn: 28361.1914940 total: 9.42s remaining: 2m 17s
51: learn: 30352.6848445 total: 9.54s remaining: 2m 53s
52: learn: 30068.0459980 total: 9.54s remaining: 2m 50s
64: learn: 28161.2625899 total: 9.44s remaining: 2m 15s
69: learn: 26273.3316355 total: 9.58s remaining: 2m 7s
60: learn: 27519.3612149 total: 9.52s remaining: 2m 26s
57: learn: 28230.9962560 total: 9.29s remaining: 2m 30s
65: learn: 27945.0096064 total: 9.49s remaining: 2m 14s
70: learn: 26108.8710711 total: 9.65s remaining: 2m 6s
53: learn: 29805.5165599 total: 9.62s remaining: 2m 48s
66: learn: 27705.2669444 total: 9.52s remaining: 2m 12s
67: learn: 27514.8433970 total: 9.57s remaining: 2m 11s
54: learn: 29519.2361041 total: 9.68s remaining: 2m 46s
58: learn: 27953.7396983 total: 9.41s remaining: 2m 30s
71: learn: 25892.1410083 total: 9.72s remaining: 2m 5s
61: learn: 27314.0391515 total: 9.66s remaining: 2m 26s
68: learn: 27348.4978888 total: 9.59s remaining: 2m 9s
55: learn: 29261.8322487 total: 9.71s remaining: 2m 43s
72: learn: 25705.6210341 total: 9.75s remaining: 2m 3s
56: learn: 29010.1421646 total: 9.73s remaining: 2m 40s
59: learn: 27694.4794094 total: 9.45s remaining: 2m 28s
69: learn: 27125.8587969 total: 9.62s remaining: 2m 7s
73: learn: 25483.3594280 total: 9.78s remaining: 2m 2s
57: learn: 28718.3205182 total: 9.75s remaining: 2m 38s
60: learn: 27446.5191647 total: 9.48s remaining: 2m 26s
70: learn: 26888.6876004 total: 9.65s remaining: 2m 6s
61: learn: 27193.9950564 total: 9.5s remaining: 2m 23s
62: learn: 27074.9177304 total: 9.75s remaining: 2m 25s
58: learn: 28474.3942379 total: 9.79s remaining: 2m 36s
74: learn: 25309.5271960 total: 9.83s remaining: 2m 1s
59: learn: 28229.2281988 total: 9.82s remaining: 2m 33s
71: learn: 26685.9295568 total: 9.7s remaining: 2m 5s
62: learn: 26947.3434051 total: 9.56s remaining: 2m 22s
63: learn: 26722.4956094 total: 9.57s remaining: 2m 19s
72: learn: 26552.1202977 total: 9.75s remaining: 2m 3s
63: learn: 26860.0816610 total: 9.84s remaining: 2m 23s
75: learn: 25160.7357196 total: 9.92s remaining: 2m
64: learn: 26496.7586024 total: 9.62s remaining: 2m 18s
73: learn: 26354.3415019 total: 9.78s remaining: 2m 2s
60: learn: 28018.0460042 total: 9.91s remaining: 2m 32s
74: learn: 26193.0892155 total: 9.81s remaining: 2m 1s
64: learn: 26631.0882713 total: 9.9s remaining: 2m 22s
76: learn: 24985.8188549 total: 9.98s remaining: 1m 59s
75: learn: 26014.6311413 total: 9.83s remaining: 1m 59s
65: learn: 26388.2743247 total: 9.92s remaining: 2m 20s
76: learn: 25865.5483378 total: 9.84s remaining: 1m 57s

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65: learn: 26286.7532553 total: 9.72s remaining: 2m 17s
61: learn: 27818.9598119 total: 10s remaining: 2m 31s
77: learn: 25653.3118202 total: 9.9s remaining: 1m 57s
77: learn: 24804.3285331 total: 10.1s remaining: 1m 58s
66: learn: 26079.8323349 total: 9.78s remaining: 2m 16s
62: learn: 27538.7102479 total: 10.1s remaining: 2m 29s
66: learn: 26191.2493494 total: 10s remaining: 2m 19s
78: learn: 25547.3950714 total: 9.97s remaining: 1m 56s
63: learn: 27324.4567205 total: 10.1s remaining: 2m 27s
78: learn: 24660.7007826 total: 10.1s remaining: 1m 58s
67: learn: 25925.4255919 total: 9.83s remaining: 2m 14s
79: learn: 25416.1300166 total: 10s remaining: 1m 54s
64: learn: 27112.5018046 total: 10.1s remaining: 2m 25s
68: learn: 25718.8256192 total: 9.84s remaining: 2m 12s
80: learn: 25292.5398248 total: 10s remaining: 1m 53s
81: learn: 25170.9347377 total: 10s remaining: 1m 52s
69: learn: 25505.2384340 total: 9.89s remaining: 2m 11s
79: learn: 24523.4178928 total: 10.2s remaining: 1m 57s
82: learn: 25033.4831979 total: 10.1s remaining: 1m 51s
65: learn: 26873.6871735 total: 10.2s remaining: 2m 24s
67: learn: 25994.0493960 total: 10.2s remaining: 2m 19s
83: learn: 24890.2255317 total: 10.1s remaining: 1m 50s
66: learn: 26669.0466439 total: 10.2s remaining: 2m 22s
70: learn: 25305.8224934 total: 9.94s remaining: 2m 10s
84: learn: 24769.7218724 total: 10.1s remaining: 1m 48s
67: learn: 26449.1826327 total: 10.3s remaining: 2m 20s
71: learn: 25108.1152056 total: 9.96s remaining: 2m 8s
68: learn: 26249.1829834 total: 10.3s remaining: 2m 18s
68: learn: 25816.2632953 total: 10.2s remaining: 2m 18s
72: learn: 24938.1038133 total: 9.99s remaining: 2m 6s
85: learn: 24614.2263336 total: 10.2s remaining: 1m 47s
69: learn: 26057.0631724 total: 10.3s remaining: 2m 16s
69: learn: 25613.1661656 total: 10.3s remaining: 2m 16s
70: learn: 25868.0607005 total: 10.3s remaining: 2m 15s
70: learn: 25394.2981759 total: 10.3s remaining: 2m 15s
80: learn: 24400.4405354 total: 10.4s remaining: 1m 58s
86: learn: 24475.9741730 total: 10.3s remaining: 1m 47s
73: learn: 24762.4112984 total: 10.1s remaining: 2m 6s
87: learn: 24386.1750118 total: 10.3s remaining: 1m 46s
71: learn: 25221.9401553 total: 10.4s remaining: 2m 13s
74: learn: 24619.8300557 total: 10.1s remaining: 2m 4s
71: learn: 25644.7777876 total: 10.4s remaining: 2m 13s
88: learn: 24280.0201462 total: 10.3s remaining: 1m 45s
72: learn: 25449.3088646 total: 10.4s remaining: 2m 12s
89: learn: 24187.8350095 total: 10.3s remaining: 1m 44s
73: learn: 25292.2678399 total: 10.4s remaining: 2m 10s
72: learn: 25047.0240217 total: 10.5s remaining: 2m 12s
75: learn: 24473.2705331 total: 10.2s remaining: 2m 4s
74: learn: 25087.6000237 total: 10.5s remaining: 2m 9s
90: learn: 24077.2277405 total: 10.4s remaining: 1m 43s
76: learn: 24330.4508907 total: 10.2s remaining: 2m 2s
81: learn: 24266.5175765 total: 10.5s remaining: 1m 58s
75: learn: 24916.3484974 total: 10.5s remaining: 2m 7s
77: learn: 24145.7042842 total: 10.2s remaining: 2m
78: learn: 23994.4443854 total: 10.2s remaining: 1m 59s
73: learn: 24888.6357338 total: 10.5s remaining: 2m 11s
74: learn: 24701.4996943 total: 10.5s remaining: 2m 9s
91: learn: 23967.1888209 total: 10.4s remaining: 1m 42s
76: learn: 24769.2253021 total: 10.5s remaining: 2m

```

```
In [ ]: results = pd.concat([X_test_ids, pd.Series(y_pred_final, name="SalePrice")], axis=1)
results.head(10)
```

```
In [ ]: results.to_csv('submission_baseline.csv', header=True, index=False)
```