DL Practical 1

> 19BCE245 - Aayush Shah

Importing libraries

In [1]:
```python
import math
import numpy as np
import pandas as pd
import seaborn as sns
import statistics as stats
import matplotlib.pyplot as plt
import tensorflow as tf
```

Importing dataset

In [2]:
```python
train_dataset = pd.read_csv('../input/titanic/train.csv')
# train_dataset = pd.read_csv('train.csv')
# print('for TRAINING SET : \n',train_dataset)
train_dataset.head(10)
```

Out[2]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	NaN	S
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th...	female	38.0	1	0	PC 17599	71.2833	C85	C
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250	NaN	S
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.1000	C123	S
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.0500	NaN	S
5	6	0	3	Moran, Mr. James	male	NaN	0	0	330877	8.4583	NaN	Q
6	7	0	1	McCarthy, Mr. Timothy J	male	54.0	0	0	17463	51.8625	E46	S
7	8	0	3	Palsson, Master. Gosta Leonard	male	2.0	3	1	349909	21.0750	NaN	S
8	9	1	3	Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)	female	27.0	0	2	347742	11.1333	NaN	S
9	10	1	2	Nasser, Mrs. Nicholas (Adele Achem)	female	14.0	1	0	237736	30.0708	NaN	C

In [3]:
```python
# test_dataset = pd.read_csv('test.csv')
# test_dataset = pd.read_csv('../input/titanic/test.csv')
# print('for TESTING SET : \n',test_dataset)

# test_dataset = pd.concat(map(pd.read_csv, ['gender_submission.csv', 'test.csv']), ignore_index=True)

test_dataset_X = pd.read_csv('../input/titanic/test.csv')
test_dataset_y = pd.read_csv('../input/titanic/gender_submission.csv')
test_dataset = pd.merge(test_dataset_y,test_dataset_X, on='PassengerId', how='inner')
test_dataset.head(10)
# print(len(test_dataset.values))
```

Out[3]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	892	0	3	Kelly, Mr. James	male	34.5	0	0	330911	7.8292	NaN	Q
1	893	1	3	Wilkes, Mrs. James (Ellen Needs)	female	47.0	1	0	363272	7.0000	NaN	S
2	894	0	2	Myles, Mr. Thomas Francis	male	62.0	0	0	240276	9.6875	NaN	Q
3	895	0	3	Wirz, Mr. Albert	male	27.0	0	0	315154	8.6625	NaN	S
4	896	1	3	Hirvonen, Mrs. Alexander (Helga E Lindqvist)	female	22.0	1	1	3101298	12.2875	NaN	S
5	897	0	3	Svensson, Mr. Johan Cervin	male	14.0	0	0	7538	9.2250	NaN	S
6	898	1	3	Connolly, Miss. Kate	female	30.0	0	0	330972	7.6292	NaN	Q
7	899	0	2	Caldwell, Mr. Albert Francis	male	26.0	1	1	248738	29.0000	NaN	S
8	900	1	3	Abrahim, Mrs. Joseph (Sophie Halaut Easu)	female	18.0	0	0	2657	7.2292	NaN	C
9	901	0	3	Davies, Mr. John Samuel	male	21.0	2	0	A/4 48871	24.1500	NaN	S

Preprocessing

In [4]:
```python
# # Checking `null` values in dataset ; finding null values in columns
print('for TRAINING SET : \n',train_dataset.isnull().sum())
print('\nfor TESTING SET : \n',test_dataset.isnull().sum())
```

```
for TRAINING SET :
 PassengerId      0
Survived         0
Pclass           0
Name             0
Sex              0
Age            177
SibSp            0
Parch            0
Ticket           0
Fare             0
Cabin          687
Embarked         2
dtype: int64

for TESTING SET :
 PassengerId      0
Survived         0
Pclass           0
Name             0
Sex              0
Age             86
SibSp            0
Parch            0
Ticket           0
Fare             1
Cabin          327
Embarked         0
dtype: int64
```

> Missing values found :
>
> - training set : age, embarked
> - testing set : age, cabin

Filling missing values

- `Age` :

In [5]:
```python
train_dataset['Age'].fillna(train_dataset['Age'].mean(), inplace=True)
print('for TRAINING SET : \n',train_dataset.isnull().sum())
test_dataset['Age'].fillna(train_dataset['Age'].mean(), inplace=True)
print('for TRAINING SET : \n',test_dataset.isnull().sum())
```

```
for TRAINING SET :
 PassengerId      0
Survived         0
Pclass           0
Name             0
Sex              0
Age              0
SibSp            0
Parch            0
Ticket           0
Fare             0
Cabin          687
Embarked         2
dtype: int64
for TRAINING SET :
 PassengerId      0
Survived         0
Pclass           0
Name             0
Sex              0
Age              0
SibSp            0
Parch            0
Ticket           0
Fare             1
Cabin          327
Embarked         0
dtype: int64
```

- `Embarked` :

In [6]:
```python
train_dataset['Embarked'].fillna(train_dataset['Embarked'].mode()[0], inplace=True)
print('for TRAINING SET : \n',train_dataset.isnull().sum())
```

```
for TRAINING SET :
 PassengerId      0
Survived         0
Pclass           0
Name             0
Sex              0
Age              0
SibSp            0
Parch            0
Ticket           0
Fare             0
Cabin          687
Embarked         0
dtype: int64
```

- `Fare` :

In [7]:
```python
test_dataset['Fare'].fillna(train_dataset['Fare'].mean(), inplace=True)
print('for TRAINING SET : \n',test_dataset.isnull().sum())
```

```
for TRAINING SET :
 PassengerId      0
Survived         0
Pclass           0
Name             0
Sex              0
Age              0
SibSp            0
Parch            0
Ticket           0
Fare             0
Cabin          327
Embarked         0
dtype: int64
```

> considering only : `PClass`, `Sex`, `Age`, `SibSp`, `Parch`, `Fare`, `Embarked`

In [8]:
```python
X_train = train_dataset.iloc[:,[2,4,5,6,7,9,11]].values
# X_train = train_dataset.iloc[:,[2,4,5,6,7,9,11]]
X_test = test_dataset.iloc[:,[2,4,5,6,7,9,11]].values
# X_test = test_dataset.iloc[:,[1,3,4,5,6,8,10]]
y_train = train_dataset.iloc[:,1].values
# y = train_dataset.iloc[:,1]
y_test = test_dataset.iloc[:,1].values
```

In [9]:
```python
X_train
```

Out[9]:
```
array([[3, 'male', 22.0, ..., 0, 7.25, 'S'],
       [1, 'female', 38.0, ..., 0, 71.2833, 'C'],
       [3, 'female', 26.0, ..., 0, 7.925, 'S'],
       ...,
       [3, 'female', 29.69911764705882, ..., 2, 23.45, 'S'],
       [1, 'male', 26.0, ..., 0, 30.0, 'C'],
       [3, 'male', 32.0, ..., 0, 7.75, 'Q']], dtype=object)
```

In [10]:
```python
X_test
```

Out[10]:
```
array([[3, 'male', 34.5, ..., 0, 7.8292, 'Q'],
       [3, 'female', 47.0, ..., 0, 7.0, 'S'],
       [2, 'male', 62.0, ..., 0, 9.6875, 'Q'],
       ...,
       [3, 'male', 38.5, ..., 0, 7.25, 'S'],
       [3, 'male', 29.699117647058763, ..., 0, 8.05, 'S'],
       [3, 'male', 29.699117647058763, ..., 1, 22.3583, 'C']],
      dtype=object)
```

In [11]:
```python
y_train
```

Out[11]:
```
array([0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 0, 1, 0, 1,
       1, 1, 0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 1,
       1, 0, 0, 1, 0, 0, 0, 0, 1, 1, 0, 1, 1, 0, 1, 0, 0, 1, 0, 0, 0, 1,
       1, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 1, 0, 1, 1, 0, 1, 1, 0, 0,
       1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 1,
       0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1, 1, 0, 0, 0,
       0, 1, 0, 0, 1, 0, 0, 0, 0, 1, 1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0,
       0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0,
       0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 1, 1, 0, 0, 1, 0, 1, 1, 1, 1, 0, 0,
       1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 1, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 0,
       1, 0, 0, 0, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 1,
       0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 0, 0, 0,
       0, 0, 0, 1, 1, 1, 0, 1, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0,
       1, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 1,
       0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 0, 0, 1, 1, 0, 1, 0, 1, 1, 1,
       1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0,
       0, 0, 0, 0, 1, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 0, 0, 0,
       0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 1, 0,
       0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 1, 0, 1, 1,
       0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 0, 1, 0, 0,
       1, 0, 0, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 0, 1, 1, 0, 1, 0,
       0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1,
       1, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0,
       1, 1, 0, 1, 1, 0, 1, 1, 0, 0, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0, 1, 0,
       0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1,
       1, 0, 0, 1, 1, 0, 1, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1,
       1, 1, 0, 0, 1, 1, 0, 1, 1, 1, 0, 0, 0, 1, 0, 1, 0, 0, 0, 1, 0, 0,
       0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 1, 0, 0, 1, 0, 0, 1,
       0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 1, 0, 0,
       0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 0, 1, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0,
       1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 1, 0, 1,
       0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0,
       0, 0, 1, 1, 1, 1, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 1, 0,
       1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 0, 1, 0, 0, 1,
       0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 0, 0, 0,
       0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0,
       0, 0, 0, 0, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0,
       0, 0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 0, 0, 1, 1, 1, 1, 1, 0, 0, 0, 1,
       0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 1, 1, 1,
       1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 1, 0, 0, 1, 1, 0, 0, 0, 1,
       1, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0])
```

In [12]:
```python
y_test
```

Out[12]:
```
array([0, 1, 0, 0, 1, 0, 1, 0, 1, 0, 0, 0, 1, 0, 1, 1, 0, 0, 1, 1, 0, 0,
       1, 0, 1, 0, 1, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1,
       1, 0, 0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 1,
       1, 0, 0, 1, 1, 0, 1, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1,
       1, 0, 1, 0, 1, 0, 0, 0, 1, 0, 1, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0,
       0, 1, 1, 1, 1, 0, 0, 1, 0, 1, 1, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0,
       1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1,
       0, 0, 1, 1, 0, 1, 1, 0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1,
       1, 0, 1, 1, 0, 0, 1, 0, 1, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1,
       0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0,
       1, 0, 1, 0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1,
       0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 1,
       0, 0, 0, 0, 1, 0, 0, 0, 1, 1, 0, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0,
       0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0,
       0, 1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0,
       1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1, 0, 1, 1, 0,
       0, 0, 1, 0, 1, 0, 0, 1, 0, 1, 1, 0, 1, 1, 0, 1, 1, 0, 0, 1, 0, 0,
       1, 1, 0, 0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1,
       0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 0, 1, 0, 0, 0])
```

In [13]:
```python
# before encoding :
print(X_train[0])
print(y_train[0])
print(X_test[0])
print(y_test[0])
```

```
[3 'male' 22.0 1 0 7.25 'S']
0
[3 'male' 34.5 0 0 7.8292 'Q']
0
```

Encoding categorical data

- encoding `gender` :

In [14]:
```python
from sklearn.preprocessing import LabelEncoder
le = LabelEncoder()
X_train[:, 1] = le.fit_transform(X_train[:, 1])
X_test[:, 1] = le.fit_transform(X_test[:, 1])
```

In [15]:
```python
# after encoding gender :
print(X_train[0])
print(y_train[0])
print(X_test[0])
print(y_test[0])
```

```
[3 1 22.0 1 0 7.25 'S']
0
[3 1 34.5 0 0 7.8292 'Q']
0
```

- encoding `Embarked`

In [16]:
```python
from sklearn.preprocessing import OneHotEncoder
from sklearn.compose import ColumnTransformer

ct = ColumnTransformer(transformers=[('encoder', OneHotEncoder(), [6])], remainder='passthrough')
X_train = np.array(ct.fit_transform(X_train))
X_test = np.array(ct.fit_transform(X_test))
```

In [17]:
```python
# after encoding embarked :
print(X_train[0])
print(y_train[0])
print(X_test[0])
print(y_test[0])
```

```
[0.0 0.0 1.0 3 1 22.0 1 0 7.25]
0
[0.0 1.0 0.0 3 1 34.5 0 0 7.8292]
0
```

Feature Scaling

In [18]:
```python
from sklearn.preprocessing import StandardScaler
sc = StandardScaler()
X_train = sc.fit_transform(X_train)
X_test = sc.transform(X_test)   # only transforming to avoid Information Leakage
```

Building the ANN

1. Initializing ANN

In [19]:
```python
ann = tf.keras.models.Sequential()
```

```
User settings:

   KMP_AFFINITY=granularity=fine,noverbose,compact,1,0
   KMP_BLOCKTIME=0
   KMP_DUPLICATE_LIB_OK=True
   KMP_INIT_AT_FORK=FALSE
   KMP_SETTINGS=1
   KMP_WARNINGS=0

Effective settings:

   KMP_ABORT_DELAY=0
   KMP_ADAPTIVE_LOCK_PROPS='1,1024'
   KMP_ALIGN_ALLOC=64
   KMP_ALL_THREADPRIVATE=128
   KMP_ATOMIC_MODE=2
   KMP_BLOCKTIME=0
   KMP_CPUINFO_FILE: value is not defined
   KMP_DETERMINISTIC_REDUCTION=false
   KMP_DEVICE_THREAD_LIMIT=2147483647
   KMP_DISP_NUM_BUFFERS=7
   KMP_DUPLICATE_LIB_OK=true
   KMP_ENABLE_TASK_THROTTLING=true
   KMP_FORCE_REDUCTION: value is not defined
   KMP_FOREIGN_THREADS_THREADPRIVATE=true
   KMP_FORKJOIN_BARRIER='2,2'
   KMP_FORKJOIN_BARRIER_PATTERN='hyper,hyper'
   KMP_GTID_MODE=3
   KMP_HANDLE_SIGNALS=false
   KMP_HOT_TEAMS_MAX_LEVEL=1
   KMP_HOT_TEAMS_MODE=0
   KMP_INIT_AT_FORK=true
   KMP_LIBRARY=throughput
   KMP_LOCK_KIND=queuing
   KMP_MALLOC_POOL_INCR=1M
   KMP_NUM_LOCKS_IN_BLOCK=1
   KMP_PLAIN_BARRIER='2,2'
   KMP_PLAIN_BARRIER_PATTERN='hyper,hyper'
   KMP_REDUCTION_BARRIER='1,1'
   KMP_REDUCTION_BARRIER_PATTERN='hyper,hyper'
   KMP_SCHEDULE='static,balanced;guided,iterative'
   KMP_SETTINGS=true
   KMP_SPIN_BACKOFF_PARAMS='4096,100'
   KMP_STACKOFFSET=64
   KMP_STACKPAD=0
   KMP_STACKSIZE=8M
   KMP_STORAGE_MAP=false
   KMP_TASKING=2
   KMP_TASKLOOP_MIN_TASKS=0
   KMP_TASK_STEALING_CONSTRAINT=1
   KMP_TEAMS_THREAD_LIMIT=4
   KMP_TOPOLOGY_METHOD=all
   KMP_USE_YIELD=1
   KMP_VERSION=false
   KMP_WARNINGS=false
   OMP_AFFINITY_FORMAT='OMP: pid %P tid %i thread %n bound to OS proc set {%A}'
   OMP_ALLOCATOR=omp_default_mem_alloc
   OMP_CANCELLATION=false
   OMP_DEFAULT_DEVICE=0
   OMP_DISPLAY_AFFINITY=false
   OMP_DISPLAY_ENV=false
   OMP_DYNAMIC=false
   OMP_MAX_ACTIVE_LEVELS=1
   OMP_MAX_TASK_PRIORITY=0
   OMP_NESTED: deprecated; max-active-levels-var=1
   OMP_NUM_THREADS: value is not defined
   OMP_PLACES: value is not defined
   OMP_PROC_BIND='intel'
   OMP_SCHEDULE='static'
   OMP_STACKSIZE=8M
   OMP_TARGET_OFFLOAD=DEFAULT
   OMP_THREAD_LIMIT=2147483647
   OMP_WAIT_POLICY=PASSIVE
   KMP_AFFINITY='noverbose,warnings,respect,granularity=fine,compact,1,0'

2022-02-02 19:07:04.901587: I tensorflow/core/common_runtime/process_util.cc:146] Creating new thread pool with
default inter op setting: 2. Tune using inter_op_parallelism_threads for best performance.
```

2. Adding theinputlayer and the first hidden layer

- `units` : number of neurons in the layer
- `relu` : rectifier linear unit

In [20]:
```python
ann.add(tf.keras.layers.Dense(units=6, activation='relu'))
```

3. Adding the second hidden layer

In [21]:
```python
ann.add(tf.keras.layers.Dense(units=6, activation='relu'))
```

4. Adding the output layer

- as dimension of the output is 1 *(whether person is survived or not)*
- choosing sigmoid activation as we have binary classification

In [22]:
```python
ann.add(tf.keras.layers.Dense(units=1, activation='sigmoid'))
```

Training the ANN

1. compiling the ANN

- here we are Updating weights and reducing cost.
- `optimizer` : gradient descent method. Here we are choosing adam as one of the method.
- `loss` : as we are doing binary classification, we'll use binary_crossentropy which will apply CROSS ENTROPY eq. For non-binary classification use categorical_crossentropy as loss function and softmax as activation function above.
- `metrics` : choosing accuracy. although we can also choose multiple metrices.

In [23]:
```python
ann.compile(optimizer='adam', loss='binary_crossentropy', metrics=['accuracy'])
```

2. Training the ANN on the training set

In [24]:
```python
ann.fit(X_train, y_train, batch_size=32, epochs=100)
```

```
2022-02-02 19:07:07.086352: I tensorflow/compiler/mlir/mlir_graph_optimization_pass.cc:185] None of the MLIR Op
timization Passes are enabled (registered 2)
Epoch 1/100
28/28 [==============================] - 1s 3ms/step - loss: 0.6826 - accuracy: 0.6274
Epoch 2/100
28/28 [==============================] - 0s 3ms/step - loss: 0.6625 - accuracy: 0.6633
Epoch 3/100
28/28 [==============================] - 0s 3ms/step - loss: 0.6416 - accuracy: 0.6745
Epoch 4/100
28/28 [==============================] - 0s 3ms/step - loss: 0.6187 - accuracy: 0.6813
Epoch 5/100
28/28 [==============================] - 0s 3ms/step - loss: 0.5976 - accuracy: 0.6970
Epoch 6/100
28/28 [==============================] - 0s 3ms/step - loss: 0.5768 - accuracy: 0.7048
Epoch 7/100
28/28 [==============================] - 0s 3ms/step - loss: 0.5567 - accuracy: 0.7172
Epoch 8/100
28/28 [==============================] - 0s 3ms/step - loss: 0.5378 - accuracy: 0.7441
Epoch 9/100
28/28 [==============================] - 0s 3ms/step - loss: 0.5200 - accuracy: 0.7609
Epoch 10/100
28/28 [==============================] - 0s 2ms/step - loss: 0.5054 - accuracy: 0.7677
Epoch 11/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4915 - accuracy: 0.7755
Epoch 12/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4812 - accuracy: 0.7823
Epoch 13/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4719 - accuracy: 0.7823
Epoch 14/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4643 - accuracy: 0.7890
Epoch 15/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4578 - accuracy: 0.7924
Epoch 16/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4521 - accuracy: 0.8013
Epoch 17/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4476 - accuracy: 0.8025
Epoch 18/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4440 - accuracy: 0.8025
Epoch 19/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4412 - accuracy: 0.8013
Epoch 20/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4387 - accuracy: 0.8025
Epoch 21/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4369 - accuracy: 0.8013
Epoch 22/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4353 - accuracy: 0.7991
Epoch 23/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4338 - accuracy: 0.8047
Epoch 24/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4319 - accuracy: 0.8058
Epoch 25/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4305 - accuracy: 0.8002
Epoch 26/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4292 - accuracy: 0.8013
Epoch 27/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4280 - accuracy: 0.8025
Epoch 28/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4274 - accuracy: 0.8013
Epoch 29/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4258 - accuracy: 0.8036
Epoch 30/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4251 - accuracy: 0.8070
Epoch 31/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4238 - accuracy: 0.8081
Epoch 32/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4230 - accuracy: 0.8092
Epoch 33/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4221 - accuracy: 0.8092
Epoch 34/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4213 - accuracy: 0.8081
Epoch 35/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4209 - accuracy: 0.8103
Epoch 36/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4198 - accuracy: 0.8114
Epoch 37/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4194 - accuracy: 0.8092
Epoch 38/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4186 - accuracy: 0.8092
Epoch 39/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4180 - accuracy: 0.8126
Epoch 40/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4172 - accuracy: 0.8114
Epoch 41/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4171 - accuracy: 0.8126
Epoch 42/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4161 - accuracy: 0.8114
Epoch 43/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4155 - accuracy: 0.8148
Epoch 44/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4154 - accuracy: 0.8126
Epoch 45/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4145 - accuracy: 0.8148
Epoch 46/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4143 - accuracy: 0.8137
Epoch 47/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4137 - accuracy: 0.8171
Epoch 48/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4133 - accuracy: 0.8159
Epoch 49/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4130 - accuracy: 0.8182
Epoch 50/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4130 - accuracy: 0.8182
Epoch 51/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4123 - accuracy: 0.8193
Epoch 52/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4119 - accuracy: 0.8171
Epoch 53/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4114 - accuracy: 0.8193
Epoch 54/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4111 - accuracy: 0.8182
Epoch 55/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4104 - accuracy: 0.8171
Epoch 56/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4099 - accuracy: 0.8171
Epoch 57/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4095 - accuracy: 0.8171
Epoch 58/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4093 - accuracy: 0.8204
Epoch 59/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4083 - accuracy: 0.8204
Epoch 60/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4083 - accuracy: 0.8204
Epoch 61/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4078 - accuracy: 0.8227
Epoch 62/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4080 - accuracy: 0.8204
Epoch 63/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4072 - accuracy: 0.8260
Epoch 64/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4064 - accuracy: 0.8249
Epoch 65/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4059 - accuracy: 0.8215
Epoch 66/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4062 - accuracy: 0.8260
Epoch 67/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4052 - accuracy: 0.8238
Epoch 68/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4049 - accuracy: 0.8227
Epoch 69/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4047 - accuracy: 0.8238
Epoch 70/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4047 - accuracy: 0.8272
Epoch 71/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4037 - accuracy: 0.8283
Epoch 72/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4037 - accuracy: 0.8215
Epoch 73/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4037 - accuracy: 0.8249
Epoch 74/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4041 - accuracy: 0.8316
Epoch 75/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4033 - accuracy: 0.8316
Epoch 76/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4026 - accuracy: 0.8316
Epoch 77/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4020 - accuracy: 0.8305
Epoch 78/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4017 - accuracy: 0.8305
Epoch 79/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4013 - accuracy: 0.8328
Epoch 80/100
28/28 [==============================] - 0s 2ms/step - loss: 0.4010 - accuracy: 0.8350
Epoch 81/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4007 - accuracy: 0.8328
Epoch 82/100
28/28 [==============================] - 0s 5ms/step - loss: 0.4010 - accuracy: 0.8339
Epoch 83/100
28/28 [==============================] - 0s 3ms/step - loss: 0.4000 - accuracy: 0.8305
Epoch 84/100
28/28 [==============================] - 0s 2ms/step - loss: 0.3998 - accuracy: 0.8339
Epoch 85/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3999 - accuracy: 0.8328
Epoch 86/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3997 - accuracy: 0.8339
Epoch 87/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3994 - accuracy: 0.8350
Epoch 88/100
28/28 [==============================] - 0s 2ms/step - loss: 0.3992 - accuracy: 0.8350
Epoch 89/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3995 - accuracy: 0.8361
Epoch 90/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3991 - accuracy: 0.8350
Epoch 91/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3985 - accuracy: 0.8316
Epoch 92/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3987 - accuracy: 0.8339
Epoch 93/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3986 - accuracy: 0.8350
Epoch 94/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3980 - accuracy: 0.8339
Epoch 95/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3982 - accuracy: 0.8395
Epoch 96/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3981 - accuracy: 0.8384
Epoch 97/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3976 - accuracy: 0.8373
Epoch 98/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3974 - accuracy: 0.8384
Epoch 99/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3973 - accuracy: 0.8328
Epoch 100/100
28/28 [==============================] - 0s 3ms/step - loss: 0.3973 - accuracy: 0.8361
```

Out[24]:
```
<keras.callbacks.History at 0x7f70345766d0>
```

Making prediction and Model evaluation

- Prediction

In [25]:
```python
y_pred = (ann.predict(X_test)>0.5)
```

- Evaluation through metrices

In [26]:
```python
from sklearn.metrics import confusion_matrix, accuracy_score
print('Confusion Matrix :\n', confusion_matrix(y_test, y_pred))
print('Accuracy Score :', accuracy_score(y_test, y_pred))
```

```
Confusion Matrix :
 [[250  16]
 [ 27 125]]
Accuracy Score : 0.8971291866028708
```

- Making csv file for submission

In [27]:
```python
test_dataset.PassengerId
```

Out[27]:
```
0       892
1       893
2       894
3       895
4       896
       ... 
413    1305
414    1306
415    1307
416    1308
417    1309
Name: PassengerId, Length: 418, dtype: int64
```

In [28]:
```python
predictions = []
for i in y_pred:
  if i[0]:
    predictions.append(1)
  else:
    predictions.append(0)
# predictions
```

In [29]:
```python
# output = pd.DataFrame({"PassengerId": test_dataset.PassengerId, "Survived": predictions})
# print(output)
# output.to_csv('19BCE245_DL_Prac1.csv', index=False)
```

Extra models:

1. XGBoost

In [30]:
```python
from xgboost import XGBClassifier   # Similarly for regression, there is a class named as `XGRegressor`
classifier = XGBClassifier()
classifier.fit(X_train, y_train)
from sklearn.metrics import confusion_matrix, accuracy_score
y_pred = classifier.predict(X_test)
cm = confusion_matrix(y_test, y_pred)
print(cm)
accuracy_score(y_test, y_pred)
```

```
/opt/conda/lib/python3.7/site-packages/xgboost/sklearn.py:1224: UserWarning: The use of label encoder in XGBCla
ssifier is deprecated and will be removed in a future release. To remove this warning, do the following: 1) Pas
s option use_label_encoder=False when constructing XGBClassifier object; and 2) Encode your labels (y) as integ
ers starting with 0, i.e. 0, 1, 2, ..., [num_class - 1].
  warnings.warn(label_encoder_deprecation_msg, UserWarning)
[19:07:23] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[[230  36]
 [ 38 114]]
```

Out[30]:
```
0.8229665071770335
```

In [31]:
```python
from sklearn.model_selection import cross_val_score
accuracies = cross_val_score(estimator = classifier, X = X_train, y = y_train, cv = 10)
print(f"Accuracy: {accuracies.mean()*100:.2f} %")
print(f"Standard Deviation: {accuracies.std()*100:.2f} %")
```

```
/opt/conda/lib/python3.7/site-packages/xgboost/sklearn.py:1224: UserWarning: The use of label encoder in XGBCla
ssifier is deprecated and will be removed in a future release. To remove this warning, do the following: 1) Pas
s option use_label_encoder=False when constructing XGBClassifier object; and 2) Encode your labels (y) as integ
ers starting with 0, i.e. 0, 1, 2, ..., [num_class - 1].
  warnings.warn(label_encoder_deprecation_msg, UserWarning)
[19:07:24] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[19:07:25] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[19:07:26] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[19:07:27] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[19:07:27] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[19:07:28] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[19:07:28] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[19:07:29] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[19:07:30] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
[19:07:30] WARNING: ../src/learner.cc:1115: Starting in XGBoost 1.3.0, the default evaluation metric used with
the objective 'binary:logistic' was changed from 'error' to 'logloss'. Explicitly set eval_metric if you'd like
to restore the old behavior.
Accuracy: 80.92 %
Standard Deviation: 3.88 %
```

2. CatBoost

In [32]:
```python
!pip install catboost
```

```
Requirement already satisfied: catboost in /opt/conda/lib/python3.7/site-packages (1.0.4)
Requirement already satisfied: plotly in /opt/conda/lib/python3.7/site-packages (from catboost) (5.5.0)
Requirement already satisfied: scipy in /opt/conda/lib/python3.7/site-packages (from catboost) (1.7.3)
Requirement already satisfied: numpy>=1.16.0 in /opt/conda/lib/python3.7/site-packages (from catboost) (1.20.3)
Requirement already satisfied: matplotlib in /opt/conda/lib/python3.7/site-packages (from catboost) (3.5.1)
Requirement already satisfied: six in /opt/conda/lib/python3.7/site-packages (from catboost) (1.16.0)
Requirement already satisfied: graphviz in /opt/conda/lib/python3.7/site-packages (from catboost) (0.8.4)
Requirement already satisfied: pandas>=0.24.0 in /opt/conda/lib/python3.7/site-packages (from catboost) (1.3.5)
Requirement already satisfied: python-dateutil>=2.7.3 in /opt/conda/lib/python3.7/site-packages (from pandas>=
0.24.0->catboost) (2.8.0)
Requirement already satisfied: pytz>=2017.3 in /opt/conda/lib/python3.7/site-packages (from pandas>=0.24.0->cat
boost) (2021.3)
Requirement already satisfied: fonttools>=4.22.0 in /opt/conda/lib/python3.7/site-packages (from matplotlib->ca
tboost) (4.28.4)
Requirement already satisfied: pillow>=6.2.0 in /opt/conda/lib/python3.7/site-packages (from matplotlib->catboo
st) (8.2.0)
Requirement already satisfied: packaging>=20.0 in /opt/conda/lib/python3.7/site-packages (from matplotlib->catb
oost) (21.3)
Requirement already satisfied: pyparsing>=2.2.1 in /opt/conda/lib/python3.7/site-packages (from matplotlib->cat
boost) (3.0.6)
Requirement already satisfied: cycler>=0.10 in /opt/conda/lib/python3.7/site-packages (from matplotlib->catboos
t) (0.11.0)
Requirement already satisfied: kiwisolver>=1.0.1 in /opt/conda/lib/python3.7/site-packages (from matplotlib->ca
tboost) (1.3.2)
Requirement already satisfied: tenacity>=6.2.0 in /opt/conda/lib/python3.7/site-packages (from plotly->catboos
t) (8.0.1)
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the sys
tem package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv
```

In [33]:
```python
from catboost import CatBoostClassifier   # The same CatBoostRegressor is available for Regression.
classifier = CatBoostClassifier()
classifier.fit(X_train, y_train)
```

```
Learning rate set to 0.009807
0:	learn: 0.6865383	total: 53.8ms	remaining: 53.8s
1:	learn: 0.6806346	total: 55.2ms	remaining: 27.6s
2:	learn: 0.6767701	total: 56.2ms	remaining: 18.7s
3:	learn: 0.6709615	total: 57.7ms	remaining: 14.4s
4:	learn: 0.6650482	total: 59.3ms	remaining: 11.8s
5:	learn: 0.6590147	total: 60.9ms	remaining: 10.1s
6:	learn: 0.6533568	total: 62.3ms	remaining: 8.84s
7:	learn: 0.6478691	total: 63.9ms	remaining: 7.93s
8:	learn: 0.6428664	total: 65ms	remaining: 7.16s
9:	learn: 0.6370185	total: 66.5ms	remaining: 6.58s
10:	learn: 0.6325716	total: 68.2ms	remaining: 6.13s
11:	learn: 0.6281765	total: 69.3ms	remaining: 5.7s
12:	learn: 0.6232064	total: 70.8ms	remaining: 5.37s
13:	learn: 0.6187835	total: 72.3ms	remaining: 5.09s
14:	learn: 0.6137314	total: 73.7ms	remaining: 4.84s
15:	learn: 0.6092345	total: 74.9ms	remaining: 4.61s
16:	learn: 0.6056495	total: 75.8ms	remaining: 4.38s
17:	learn: 0.6004947	total: 77ms	remaining: 4.2s
18:	learn: 0.5964621	total: 78.5ms	remaining: 4.05s
19:	learn: 0.5916184	total: 79.8ms	remaining: 3.91s
20:	learn: 0.5873530	total: 81.1ms	remaining: 3.78s
21:	learn: 0.5831094	total: 82.6ms	remaining: 3.67s
22:	learn: 0.5782799	total: 84ms	remaining: 3.57s
23:	learn: 0.5751086	total: 84.8ms	remaining: 3.45s
24:	learn: 0.5711793	total: 86ms	remaining: 3.35s
25:	learn: 0.5675715	total: 87.8ms	remaining: 3.29s
26:	learn: 0.5638419	total: 89.1ms	remaining: 3.21s
27:	learn: 0.5607229	total: 90.6ms	remaining: 3.14s
28:	learn: 0.5565209	total: 92.3ms	remaining: 3.09s
29:	learn: 0.5530420	total: 93.5ms	remaining: 3.02s
30:	learn: 0.5496087	total: 94.9ms	remaining: 2.97s
31:	learn: 0.5462138	total: 96.3ms	remaining: 2.91s
32:	learn: 0.5432557	total: 97.8ms	remaining: 2.87s
33:	learn: 0.5403630	total: 99.2ms	remaining: 2.82s
34:	learn: 0.5380133	total: 100ms	remaining: 2.77s
35:	learn: 0.5354989	total: 101ms	remaining: 2.71s
36:	learn: 0.5324779	total: 103ms	remaining: 2.67s
37:	learn: 0.5289940	total: 104ms	remaining: 2.64s
38:	learn: 0.5257857	total: 107ms	remaining: 2.63s
39:	learn: 0.5231938	total: 108ms	remaining: 2.6s
40:	learn: 0.5201852	total: 109ms	remaining: 2.56s
41:	learn: 0.5187639	total: 110ms	remaining: 2.52s
42:	learn: 0.5162989	total: 112ms	remaining: 2.49s
43:	learn: 0.5139735	total: 113ms	remaining: 2.45s
44:	learn: 0.5125846	total: 113ms	remaining: 2.41s
45:	learn: 0.5098413	total: 115ms	remaining: 2.38s
46:	learn: 0.5078147	total: 116ms	remaining: 2.34s
47:	learn: 0.5054384	total: 118ms	remaining: 2.34s
48:	learn: 0.5029917	total: 119ms	remaining: 2.31s
49:	learn: 0.5012713	total: 120ms	remaining: 2.27s
50:	learn: 0.4987124	total: 121ms	remaining: 2.25s
51:	learn: 0.4962170	total: 122ms	remaining: 2.23s
52:	learn: 0.4946236	total: 123ms	remaining: 2.2s
53:	learn: 0.4925200	total: 125ms	remaining: 2.18s
54:	learn: 0.4906034	total: 126ms	remaining: 2.16s
55:	learn: 0.4880191	total: 128ms	remaining: 2.16s
56:	learn: 0.4862472	total: 131ms	remaining: 2.16s
57:	learn: 0.4841907	total: 132ms	remaining: 2.15s
58:	learn: 0.4826407	total: 134ms	remaining: 2.13s
59:	learn: 0.4809542	total: 135ms	remaining: 2.12s
60:	learn: 0.4788393	total: 137ms	remaining: 2.11s
61:	learn: 0.4773068	total: 138ms	remaining: 2.09s
62:	learn: 0.4754550	total: 139ms	remaining: 2.07s
63:	learn: 0.4741418	total: 140ms	remaining: 2.05s
64:	learn: 0.4723455	total: 142ms	remaining: 2.05s
65:	learn: 0.4703930	total: 144ms	remaining: 2.03s
66:	learn: 0.4686302	total: 145ms	remaining: 2.02s
67:	learn: 0.4667206	total: 146ms	remaining: 2s
68:	learn: 0.4652062	total: 148ms	remaining: 2s
69:	learn: 0.4634119	total: 149ms	remaining: 1.98s
70:	learn: 0.4616053	total: 151ms	remaining: 1.97s
71:	learn: 0.4601936	total: 152ms	remaining: 1.96s
72:	learn: 0.4585553	total: 154ms	remaining: 1.95s
73:	learn: 0.4568180	total: 155ms	remaining: 1.94s
74:	learn: 0.4562312	total: 156ms	remaining: 1.92s
75:	learn: 0.4544744	total: 157ms	remaining: 1.91s
76:	learn: 0.4528753	total: 159ms	remaining: 1.9s
77:	learn: 0.4515149	total: 160ms	remaining: 1.89s
78:	learn: 0.4500691	total: 163ms	remaining: 1.9s
79:	learn: 0.4489836	total: 165ms	remaining: 1.89s
80:	learn: 0.4478693	total: 166ms	remaining: 1.88s
81:	learn: 0.4465592	total: 167ms	remaining: 1.87s
82:	learn: 0.4453949	total: 168ms	remaining: 1.86s
83:	learn: 0.4442990	total: 170ms	remaining: 1.85s
84:	learn: 0.4430477	total: 171ms	remaining: 1.84s
85:	learn: 0.4416480	total: 173ms	remaining: 1.83s
86:	learn: 0.4403624	total: 175ms	remaining: 1.83s
87:	learn: 0.4393912	total: 176ms	remaining: 1.82s
88:	learn: 0.4382571	total: 178ms	remaining: 1.82s
89:	learn: 0.4374060	total: 180ms	remaining: 1.81s
90:	learn: 0.4363711	total: 184ms	remaining: 1.84s
91:	learn: 0.4354909	total: 186ms	remaining: 1.84s
92:	learn: 0.4348646	total: 187ms	remaining: 1.83s
93:	learn: 0.4338476	total: 189ms	remaining: 1.82s
94:	learn: 0.4329489	total: 190ms	remaining: 1.81s
95:	learn: 0.4317058	total: 191ms	remaining: 1.8s
96:	learn: 0.4306043	total: 193ms	remaining: 1.8s
97:	learn: 0.4293694	total: 194ms	remaining: 1.79s
98:	learn: 0.4283844	total: 196ms	remaining: 1.78s
99:	learn: 0.4272231	total: 197ms	remaining: 1.77s
100:	learn: 0.4267159	total: 198ms	remaining: 1.76s
101:	learn: 0.4259438	total: 200ms	remaining: 1.76s
102:	learn: 0.4247985	total: 201ms	remaining: 1.75s
103:	learn: 0.4238730	total: 202ms	remaining: 1.74s
104:	learn: 0.4229757	total: 204ms	remaining: 1.74s
105:	learn: 0.4219207	total: 205ms	remaining: 1.73s
106:	learn: 0.4209959	total: 206ms	remaining: 1.72s
107:	learn: 0.4201490	total: 208ms	remaining: 1.72s
108:	learn: 0.4192642	total: 209ms	remaining: 1.71s
109:	learn: 0.4184107	total: 211ms	remaining: 1.7s
110:	learn: 0.4180146	total: 211ms	remaining: 1.69s
111:	learn: 0.4174109	total: 212ms	remaining: 1.68s
112:	learn: 0.4165768	total: 214ms	remaining: 1.68s
113:	learn: 0.4159091	total: 215ms	remaining: 1.67s
114:	learn: 0.4156797	total: 215ms	remaining: 1.66s
115:	learn: 0.4147523	total: 216ms	remaining: 1.65s
116:	learn: 0.4139606	total: 218ms	remaining: 1.65s
117:	learn: 0.4135056	total: 219ms	remaining: 1.64s
118:	learn: 0.4129001	total: 220ms	remaining: 1.63s
119:	learn: 0.4121343	total: 222ms	remaining: 1.63s
120:	learn: 0.4115358	total: 223ms	remaining: 1.62s
121:	learn: 0.4108015	total: 225ms	remaining: 1.62s
122:	learn: 0.4106099	total: 225ms	remaining: 1.61s
123:	learn: 0.4102966	total: 227ms	remaining: 1.6s
124:	learn: 0.4098188	total: 228ms	remaining: 1.59s
125:	learn: 0.4090476	total: 229ms	remaining: 1.59s
126:	learn: 0.4083565	total: 231ms	remaining: 1.59s
127:	learn: 0.4078597	total: 232ms	remaining: 1.58s
128:	learn: 0.4070448	total: 234ms	remaining: 1.58s
129:	learn: 0.4064946	total: 235ms	remaining: 1.57s
130:	learn: 0.4059819	total: 236ms	remaining: 1.57s
131:	learn: 0.4053958	total: 238ms	remaining: 1.56s
132:	learn: 0.4047684	total: 239ms	remaining: 1.56s
133:	learn: 0.4043123	total: 241ms	remaining: 1.55s
134:	learn: 0.4038141	total: 242ms	remaining: 1.55s
135:	learn: 0.4032261	total: 244ms	remaining: 1.55s
136:	learn: 0.4025482	total: 245ms	remaining: 1.54s
137:	learn: 0.4023851	total: 246ms	remaining: 1.54s
138:	learn: 0.4017487	total: 248ms	remaining: 1.53s
139:	learn: 0.4013009	total: 249ms	remaining: 1.53s
140:	learn: 0.4010205	total: 250ms	remaining: 1.52s
141:	learn: 0.4005530	total: 251ms	remaining: 1.52s
142:	learn: 0.4002699	total: 252ms	remaining: 1.51s
143:	learn: 0.3997681	total: 253ms	remaining: 1.51s
144:	learn: 0.3994226	total: 255ms	remaining: 1.5s
145:	learn: 0.3988791	total: 256ms	remaining: 1.5s
146:	learn: 0.3984385	total: 257ms	remaining: 1.49s
147:	learn: 0.3979471	total: 258ms	remaining: 1.49s
148:	learn: 0.3973311	total: 260ms	remaining: 1.48s
149:	learn: 0.3970197	total: 261ms	remaining: 1.48s
150:	learn: 0.3966482	total: 262ms	remaining: 1.47s
151:	learn: 0.3963284	total: 263ms	remaining: 1.47s
152:	learn: 0.3957758	total: 265ms	remaining: 1.46s
153:	learn: 0.3952566	total: 266ms	remaining: 1.46s
154:	learn: 0.3951190	total: 267ms	remaining: 1.46s
155:	learn: 0.3945095	total: 268ms	remaining: 1.45s
156:	learn: 0.3941398	total: 269ms	remaining: 1.45s
157:	learn: 0.3938628	total: 271ms	remaining: 1.44s
158:	learn: 0.3931681	total: 272ms	remaining: 1.44s
159:	learn: 0.3928375	total: 273ms	remaining: 1.43s
160:	learn: 0.3924432	total: 274ms	remaining: 1.43s
161:	learn: 0.3921184	total: 275ms	remaining: 1.42s
162:	learn: 0.3917074	total: 277ms	remaining: 1.42s
163:	learn: 0.3912105	total: 278ms	remaining: 1.42s
164:	learn: 0.3907866	total: 279ms	remaining: 1.41s
165:	learn: 0.3903981	total: 281ms	remaining: 1.41s
166:	learn: 0.3902223	total: 283ms	remaining: 1.41s
167:	learn: 0.3901766	total: 284ms	remaining: 1.4s
168:	learn: 0.3897581	total: 285ms	remaining: 1.4s
169:	learn: 0.3896368	total: 286ms	remaining: 1.4s
170:	learn: 0.3893034	total: 288ms	remaining: 1.4s
171:	learn: 0.3889292	total: 290ms	remaining: 1.39s
172:	learn: 0.3885710	total: 291ms	remaining: 1.39s
173:	learn: 0.3882253	total: 293ms	remaining: 1.39s
174:	learn: 0.3879176	total: 295ms	remaining: 1.39s
175:	learn: 0.3878142	total: 297ms	remaining: 1.39s
176:	learn: 0.3873953	total: 298ms	remaining: 1.38s
177:	learn: 0.3870532	total: 299ms	remaining: 1.38s
178:	learn: 0.3866247	total: 300ms	remaining: 1.38s
179:	learn: 0.3863751	total: 301ms	remaining: 1.37s
180:	learn: 0.3860832	total: 303ms	remaining: 1.37s
181:	learn: 0.3857160	total: 305ms	remaining: 1.37s
182:	learn: 0.3855449	total: 306ms	remaining: 1.36s
183:	learn: 0.3852382	total: 307ms	remaining: 1.36s
184:	learn: 0.3851851	total: 308ms	remaining: 1.36s
185:	learn: 0.3848126	total: 309ms	remaining: 1.35s
186:	learn: 0.3844975	total: 311ms	remaining: 1.35s
187:	learn: 0.3842662	total: 312ms	remaining: 1.35s
188:	learn: 0.3840235	total: 314ms	remaining: 1.35s
189:	learn: 0.3837106	total: 316ms	remaining: 1.34s
190:	learn: 0.3833765	total: 317ms	remaining: 1.34s
191:	learn: 0.3831723	total: 319ms	remaining: 1.34s
192:	learn: 0.3828482	total: 320ms	remaining: 1.34s
193:	learn: 0.3826702	total: 322ms	remaining: 1.34s
194:	learn: 0.3823433	total: 324ms	remaining: 1.34s
195:	learn: 0.3820583	total: 325ms	remaining: 1.33s
196:	learn: 0.3816611	total: 326ms	remaining: 1.33s
197:	learn: 0.3814329	total: 328ms	remaining: 1.33s
198:	learn: 0.3811269	total: 329ms	remaining: 1.32s
199:	learn: 0.3809442	total: 330ms	remaining: 1.32s
200:	learn: 0.3805586	total: 331ms	remaining: 1.32s
201:	learn: 0.3800322	total: 333ms	remaining: 1.31s
202:	learn: 0.3799010	total: 333ms	remaining: 1.31s
203:	learn: 0.3796455	total: 334ms	remaining: 1.3s
204:	learn: 0.3793422	total: 335ms	remaining: 1.3s
205:	learn: 0.3791803	total: 336ms	remaining: 1.29s
206:	learn: 0.3788598	total: 337ms	remaining: 1.29s
207:	learn: 0.3787407	total: 338ms	remaining: 1.29s
208:	learn: 0.3782902	total: 340ms	remaining: 1.28s
209:	learn: 0.3778104	total: 341ms	remaining: 1.28s
210:	learn: 0.3775038	total: 342ms	remaining: 1.28s
211:	learn: 0.3772927	total: 343ms	remaining: 1.28s
212:	learn: 0.3771133	total: 345ms	remaining: 1.27s
213:	learn: 0.3770292	total: 346ms	remaining: 1.27s
214:	learn: 0.3768949	total: 347ms	remaining: 1.27s
215:	learn: 0.3766235	total: 349ms	remaining: 1.27s
216:	learn: 0.3763073	total: 351ms	remaining: 1.26s
217:	learn: 0.3762418	total: 352ms	remaining: 1.26s
218:	learn: 0.3758937	total: 353ms	remaining: 1.26s
219:	learn: 0.3756171	total: 355ms	remaining: 1.26s
220:	learn: 0.3754589	total: 357ms	remaining: 1.26s
221:	learn: 0.3753099	total: 359ms	remaining: 1.26s
222:	learn: 0.3751688	total: 362ms	remaining: 1.26s
223:	learn: 0.3749083	total: 364ms	remaining: 1.26s
224:	learn: 0.3745904	total: 367ms	remaining: 1.26s
225:	learn: 0.3743620	total: 368ms	remaining: 1.26s
226:	learn: 0.3741535	total: 370ms	remaining: 1.26s
227:	learn: 0.3738928	total: 371ms	remaining: 1.26s
228:	learn: 0.3734991	total: 373ms	remaining: 1.25s
229:	learn: 0.3731571	total: 374ms	remaining: 1.25s
230:	learn: 0.3729852	total: 376ms	remaining: 1.25s
231:	learn: 0.3726327	total: 377ms	remaining: 1.25s
232:	learn: 0.3724426	total: 378ms	remaining: 1.25s
233:	learn: 0.3722162	total: 380ms	remaining: 1.24s
234:	learn: 0.3717592	total: 382ms	remaining: 1.24s
235:	learn: 0.3715632	total: 384ms	remaining: 1.24s
236:	learn: 0.3713506	total: 386ms	remaining: 1.24s
237:	learn: 0.3711460	total: 388ms	remaining: 1.24s
238:	learn: 0.3709525	total: 390ms	remaining: 1.24s
239:	learn: 0.3707092	total: 391ms	remaining: 1.24s
240:	learn: 0.3704627	total: 393ms	remaining: 1.24s
241:	learn: 0.3703187	total: 395ms	remaining: 1.24s
242:	learn: 0.3700643	total: 396ms	remaining: 1.23s
243:	learn: 0.3698618	total: 398ms	remaining: 1.23s
244:	learn: 0.3696666	total: 400ms	remaining: 1.23s
245:	learn: 0.3693423	total: 401ms	remaining: 1.23s
246:	learn: 0.3691536	total: 403ms	remaining: 1.23s
247:	learn: 0.3690461	total: 405ms	remaining: 1.23s
248:	learn: 0.3687642	total: 408ms	remaining: 1.23s
249:	learn: 0.3686204	total: 411ms	remaining: 1.23s
250:	learn: 0.3682637	total: 413ms	remaining: 1.23s
251:	learn: 0.3681066	total: 414ms	remaining: 1.23s
252:	learn: 0.3678238	total: 416ms	remaining: 1.23s
253:	learn: 0.3677782	total: 417ms	remaining: 1.22s
254:	learn: 0.3675345	total: 418ms	remaining: 1.22s
255:	learn: 0.3673683	total: 420ms	remaining: 1.22s
256:	learn: 0.3671238	total: 421ms	remaining: 1.22s
257:	learn: 0.3668998	total: 422ms	remaining: 1.21s
258:	learn: 0.3668496	total: 424ms	remaining: 1.21s
259:	learn: 0.3667713	total: 425ms	remaining: 1.21s
260:	learn: 0.3666247	total: 427ms	remaining: 1.21s
261:	learn: 0.3664054	total: 428ms	remaining: 1.21s
262:	learn: 0.3661919	total: 429ms	remaining: 1.2s
263:	learn: 0.3660365	total: 431ms	remaining: 1.2s
264:	learn: 0.3659154	total: 432ms	remaining: 1.2s
265:	learn: 0.3656880	total: 434ms	remaining: 1.2s
266:	learn: 0.3654946	total: 435ms	remaining: 1.19s
267:	learn: 0.3653486	total: 436ms	remaining: 1.19s
268:	learn: 0.3650680	total: 438ms	remaining: 1.19s
269:	learn: 0.3647728	total: 440ms	remaining: 1.19s
270:	learn: 0.3645089	total: 441ms	remaining: 1.19s
271:	learn: 0.3640465	total: 443ms	remaining: 1.18s
272:	learn: 0.3638224	total: 444ms	remaining: 1.18s
273:	learn: 0.3636143	total: 447ms	remaining: 1.18s
274:	learn: 0.3634719	total: 449ms	remaining: 1.18s
275:	learn: 0.3632070	total: 451ms	remaining: 1.18s
276:	learn: 0.3629469	total: 455ms	remaining: 1.19s
277:	learn: 0.3627036	total: 457ms	remaining: 1.19s
278:	learn: 0.3624039	total: 459ms	remaining: 1.19s
279:	learn: 0.3620831	total: 460ms	remaining: 1.18s
280:	learn: 0.3618973	total: 462ms	remaining: 1.18s
281:	learn: 0.3617355	total: 464ms	remaining: 1.18s
282:	learn: 0.3615669	total: 465ms	remaining: 1.18s
283:	learn: 0.3613120	total: 467ms	remaining: 1.18s
284:	learn: 0.3611410	total: 468ms	remaining: 1.18s
285:	learn: 0.3610520	total: 470ms	remaining: 1.17s
286:	learn: 0.3608222	total: 472ms	remaining: 1.17s
287:	learn: 0.3605637	total: 474ms	remaining: 1.17s
288:	learn: 0.3604171	total: 475ms	remaining: 1.17s
289:	learn: 0.3602092	total: 478ms	remaining: 1.17s
290:	learn: 0.3600485	total: 479ms	remaining: 1.17s
291:	learn: 0.3598819	total: 481ms	remaining: 1.17s
292:	learn: 0.3598159	total: 483ms	remaining: 1.16s
293:	learn: 0.3596802	total: 484ms	remaining: 1.16s
294:	learn: 0.3594727	total: 486ms	remaining: 1.16s
295:	learn: 0.3592863	total: 487ms	remaining: 1.16s
296:	learn: 0.3592277	total: 491ms	remaining: 1.16s
297:	learn: 0.3591519	total: 492ms	remaining: 1.16s
298:	learn: 0.3590736	total: 494ms	remaining: 1.16s
299:	learn: 0.3589690	total: 497ms	remaining: 1.16s
300:	learn: 0.3586836	total: 498ms	remaining: 1.16s
301:	learn: 0.3585649	total: 500ms	remaining: 1.15s
302:	learn: 0.3584248	total: 501ms	remaining: 1.15s
303:	learn: 0.3581595	total: 503ms	remaining: 1.15s
304:	learn: 0.3579121	total: 505ms	remaining: 1.15s
305:	learn: 0.3577502	total: 507ms	remaining: 1.15s
306:	learn: 0.3576458	total: 508ms	remaining: 1.15s
307:	learn: 0.3574136	total: 510ms	remaining: 1.15s
308:	learn: 0.3572111	total: 512ms	remaining: 1.14s
309:	learn: 0.3570230	total: 514ms	remaining: 1.14s
310:	learn: 0.3569057	total: 516ms	remaining: 1.14s
311:	learn: 0.3568062	total: 519ms	remaining: 1.14s
312:	learn: 0.3565493	total: 521ms	remaining: 1.14s
313:	learn: 0.3564345	total: 523ms	remaining: 1.14s
314:	learn: 0.3563090	total: 526ms	remaining: 1.14s
315:	learn: 0.3560559	total: 528ms	remaining: 1.14s
316:	learn: 0.3559553	total: 530ms	remaining: 1.14s
317:	learn: 0.3557902	total: 535ms	remaining: 1.15s
318:	learn: 0.3556356	total: 538ms	remaining: 1.15s
319:	learn: 0.3555882	total: 540ms	remaining: 1.15s
320:	learn: 0.3553893	total: 542ms	remaining: 1.15s
321:	learn: 0.3552915	total: 543ms	remaining: 1.14s
322:	learn: 0.3549861	total: 544ms	remaining: 1.14s
323:	learn: 0.3549407	total: 546ms	remaining: 1.14s
324:	learn: 0.3549013	total: 547ms	remaining: 1.14s
325:	learn: 0.3546235	total: 549ms	remaining: 1.14s
326:	learn: 0.3543340	total: 553ms	remaining: 1.14s
327:	learn: 0.3540782	total: 555ms	remaining: 1.14s
328:	learn: 0.3540111	total: 558ms	remaining: 1.14s
329:	learn: 0.3539670	total: 559ms	remaining: 1.13s
330:	learn: 0.3536962	total: 560ms	remaining: 1.13s
331:	learn: 0.3534947	total: 562ms	remaining: 1.13s
332:	learn: 0.3532770	total: 564ms	remaining: 1.13s
333:	learn: 0.3530419	total: 566ms	remaining: 1.13s
334:	learn: 0.3529357	total: 568ms	remaining: 1.13s
335:	learn: 0.3528536	total: 569ms	remaining: 1.13s
336:	learn: 0.3527341	total: 570ms	remaining: 1.12s
337:	learn: 0.3526063	total: 575ms	remaining: 1.13s
338:	learn: 0.3524179	total: 577ms	remaining: 1.13s
339:	learn: 0.3521557	total: 582ms	remaining: 1.13s
340:	learn: 0.3521002	total: 584ms	remaining: 1.13s
341:	learn: 0.3519678	total: 587ms	remaining: 1.13s
342:	learn: 0.3518903	total: 590ms	remaining: 1.13s
343:	learn: 0.3517509	total: 592ms	remaining: 1.13s
344:	learn: 0.3516656	total: 597ms	remaining: 1.13s
345:	learn: 0.3515631	total: 599ms	remaining: 1.13s
346:	learn: 0.3514546	total: 600ms	remaining: 1.13s
347:	learn: 0.3513582	total: 602ms	remaining: 1.13s
348:	learn: 0.3512181	total: 604ms	remaining: 1.13s
349:	learn: 0.3510831	total: 606ms	remaining: 1.12s
350:	learn: 0.3508896	total: 607ms	remaining: 1.12s
351:	learn: 0.3507718	total: 609ms	remaining: 1.12s
352:	learn: 0.3506540	total: 611ms	remaining: 1.12s
353:	learn: 0.3505739	total: 613ms	remaining: 1.12s
354:	learn: 0.3503850	total: 614ms	remaining: 1.11s
355:	learn: 0.3503055	total: 617ms	remaining: 1.11s
356:	learn: 0.3502053	total: 618ms	remaining: 1.11s
357:	learn: 0.3500132	total: 622ms	remaining: 1.12s
358:	learn: 0.3499681	total: 624ms	remaining: 1.11s
359:	learn: 0.3499251	total: 625ms	remaining: 1.11s
360:	learn: 0.3498193	total: 627ms	remaining: 1.11s
361:	learn: 0.3496653	total: 630ms	remaining: 1.11s
362:	learn: 0.3496369	total: 632ms	remaining: 1.11s
363:	learn: 0.3495309	total: 637ms	remaining: 1.11s
364:	learn: 0.3494410	total: 640ms	remaining: 1.11s
365:	learn: 0.3491161	total: 643ms	remaining: 1.11s
366:	learn: 0.3490990	total: 644ms	remaining: 1.11s
367:	learn: 0.3490873	total: 645ms	remaining: 1.11s
368:	learn: 0.3489880	total: 649ms	remaining: 1.11s
369:	learn: 0.3486508	total: 651ms	remaining: 1.11s
370:	learn: 0.3485258	total: 654ms	remaining: 1.11s
371:	learn: 0.3483598	total: 656ms	remaining: 1.11s
372:	learn: 0.3481800	total: 660ms	remaining: 1.11s
373:	learn: 0.3481523	total: 662ms	remaining: 1.11s
374:	learn: 0.3480927	total: 664ms	remaining: 1.11s
375:	learn: 0.3478314	total: 667ms	remaining: 1.11s
376:	learn: 0.3477309	total: 669ms	remaining: 1.1s
377:	learn: 0.3475877	total: 672ms	remaining: 1.1s
378:	learn: 0.3475479	total: 674ms	remaining: 1.1s
379:	learn: 0.3474440	total: 678ms	remaining: 1.11s
380:	learn: 0.3472396	total: 682ms	remaining: 1.11s
381:	learn: 0.3471269	total: 684ms	remaining: 1.11s
382:	learn: 0.3469359	total: 687ms	remaining: 1.11s
383:	learn: 0.3467796	total: 689ms	remaining: 1.1s
384:	learn: 0.3466850	total: 691ms	remaining: 1.1s
385:	learn: 0.3466294	total: 694ms	remaining: 1.1s
386:	learn: 0.3464251	total: 696ms	remaining: 1.1s
387:	learn: 0.3463060	total: 698ms	remaining: 1.1s
388:	learn: 0.3462268	total: 702ms	remaining: 1.1s
389:	learn: 0.3460770	total: 705ms	remaining: 1.1s
390:	learn: 0.3459389	total: 707ms	remaining: 1.1s
391:	learn: 0.3458957	total: 709ms	remaining: 1.1s
392:	learn: 0.3457980	total: 712ms	remaining: 1.1s
393:	learn: 0.3457635	total: 715ms	remaining: 1.1s
394:	learn: 0.3455678	total: 717ms	remaining: 1.1s
395:	learn: 0.3454422	total: 719ms	remaining: 1.1s
396:	learn: 0.3451515	total: 726ms	remaining: 1.1s
397:	learn: 0.3450602	total: 729ms	remaining: 1.1s
398:	learn: 0.3449942	total: 731ms	remaining: 1.1s
399:	learn: 0.3448581	total: 732ms	remaining: 1.1s
400:	learn: 0.3446772	total: 733ms	remaining: 1.09s
401:	learn: 0.3446028	total: 734ms	remaining: 1.09s
402:	learn: 0.3445120	total: 736ms	remaining: 1.09s
403:	learn: 0.3443324	total: 738ms	remaining: 1.09s
404:	learn: 0.3442000	total: 740ms	remaining: 1.09s
405:	learn: 0.3439765	total: 741ms	remaining: 1.08s
406:	learn: 0.3438343	total: 743ms	remaining: 1.08s
407:	learn: 0.3437724	total: 744ms	remaining: 1.08s
408:	learn: 0.3435785	total: 746ms	remaining: 1.08s
409:	learn: 0.3435280	total: 747ms	remaining: 1.07s
410:	learn: 0.3432855	total: 748ms	remaining: 1.07s
411:	learn: 0.3431629	total: 750ms	remaining: 1.07s
412:	learn: 0.3430066	total: 752ms	remaining: 1.07s
413:	learn: 0.3427844	total: 754ms	remaining: 1.07s
414:	learn: 0.3426802	total: 758ms	remaining: 1.07s
415:	learn: 0.3425059	total: 760ms	remaining: 1.07s
416:	learn: 0.3423659	total: 763ms	remaining: 1.07s
417:	learn: 0.3422160	total: 765ms	remaining: 1.06s
418:	learn: 0.3420803	total: 766ms	remaining: 1.06s
419:	learn: 0.3419993	total: 768ms	remaining: 1.06s
420:	learn: 0.3419029	total: 769ms	remaining: 1.06s
421:	learn: 0.3418046	total: 771ms	remaining: 1.06s
422:	learn: 0.3417969	total: 772ms	remaining: 1.05s
423:	learn: 0.3416581	total: 774ms	remaining: 1.05s
424:	learn: 0.3414220	total: 776ms	remaining: 1.05s
425:	learn: 0.3412690	total: 778ms	remaining: 1.05s
426:	learn: 0.3411438	total: 781ms	remaining: 1.05s
427:	learn: 0.3410305	total: 785ms	remaining: 1.05s
428:	learn: 0.3409242	total: 787ms	remaining: 1.05s
429:	learn: 0.3407426	total: 791ms	remaining: 1.05s
430:	learn: 0.3404514	total: 795ms	remaining: 1.05s
431:	learn: 0.3402711	total: 796ms	remaining: 1.05s
432:	learn: 0.3400299	total: 799ms	remaining: 1.04s
433:	learn: 0.3399553	total: 802ms	remaining: 1.04s
434:	learn: 0.3398649	total: 803ms	remaining: 1.04s
435:	learn: 0.3396693	total: 805ms	remaining: 1.04s
436:	learn: 0.3393835	total: 806ms	remaining: 1.04s
437:	learn: 0.3392683	total: 808ms	remaining: 1.04s
438:	learn: 0.3391512	total: 811ms	remaining: 1.04s
439:	learn: 0.3390787	total: 813ms	remaining: 1.03s
440:	learn: 0.3390219	total: 816ms	remaining: 1.03s
441:	learn: 0.3389026	total: 818ms	remaining: 1.03s
442:	learn: 0.3387269	total: 822ms	remaining: 1.03s
443:	learn: 0.3386362	total: 824ms	remaining: 1.03s
444:	learn: 0.3386142	total: 826ms	remaining: 1.03s
445:	learn: 0.3384830	total: 827ms	remaining: 1.03s
446:	learn: 0.3384172	total: 829ms	remaining: 1.02s
447:	learn: 0.3382357	total: 831ms	remaining: 1.02s
448:	learn: 0.3380844	total: 833ms	remaining: 1.02s
449:	learn: 0.3380459	total: 834ms	remaining: 1.02s
450:	learn: 0.3378721	total: 837ms	remaining: 1.02s
451:	learn: 0.3377177	total: 839ms	remaining: 1.02s
452:	learn: 0.3375924	total: 842ms	remaining: 1.02s
453:	learn: 0.3375381	total: 844ms	remaining: 1.01s
454:	learn: 0.3374388	total: 845ms	remaining: 1.01s
455:	learn: 0.3372863	total: 847ms	remaining: 1.01s
456:	learn: 0.3371957	total: 849ms	remaining: 1.01s
457:	learn: 0.3370836	total: 851ms	remaining: 1.01s
458:	learn: 0.3370472	total: 852ms	remaining: 1s
459:	learn: 0.3369680	total: 854ms	remaining: 1s
460:	learn: 0.3368219	total: 855ms	remaining: 1s
461:	learn: 0.3368100	total: 857ms	remaining: 998ms
462:	learn: 0.3367361	total: 858ms	remaining: 995ms
463:	learn: 0.3366642	total: 860ms	remaining: 993ms
464:	learn: 0.3364758	total: 861ms	remaining: 991ms
465:	learn: 0.3362795	total: 863ms	remaining: 989ms
466:	learn: 0.3362252	total: 864ms	remaining: 986ms
467:	learn: 0.3361760	total: 866ms	remaining: 984ms
468:	learn: 0.3360965	total: 867ms	remaining: 982ms
469:	learn: 0.3360243	total: 868ms	remaining: 979ms
470:	learn: 0.3358716	total: 872ms	remaining: 980ms
471:	learn: 0.3357994	total: 874ms	remaining: 978ms
472:	learn: 0.3355945	total: 877ms	remaining: 977ms
473:	learn: 0.3354244	total: 882ms	remaining: 978ms
474:	learn: 0.3353298	total: 884ms	remaining: 977ms
475:	learn: 0.3353047	total: 886ms	remaining: 976ms
476:	learn: 0.3352547	total: 888ms	remaining: 974ms
477:	learn: 0.3351099	total: 890ms	remaining: 971ms
478:	learn: 0.3350389	total: 891ms	remaining: 969ms
479:	learn: 0.3349431	total: 893ms	remaining: 967ms
480:	learn: 0.3348062	total: 895ms	remaining: 966ms
481:	learn: 0.3346852	total: 896ms	remaining: 963ms
482:	learn: 0.3343779	total: 898ms	remaining: 961ms
483:	learn: 0.3342275	total: 901ms	remaining: 961ms
484:	learn: 0.3341624	total: 903ms	remaining: 959ms
485:	learn: 0.3339110	total: 906ms	remaining: 958ms
486:	learn: 0.3338377	total: 908ms	remaining: 957ms
487:	learn: 0.3336404	total: 911ms	remaining: 955ms
488:	learn: 0.3335167	total: 913ms	remaining: 954ms
489:	learn: 0.3334720	total: 914ms	remaining: 952ms
490:	learn: 0.3333374	total: 916ms	remaining: 950ms
491:	learn: 0.3332387	total: 919ms	remaining: 949ms
492:	learn: 0.3330928	total: 920ms	remaining: 947ms
493:	learn: 0.3329811	total: 922ms	remaining: 944ms
494:	learn: 0.3328719	total: 924ms	remaining: 943ms
495:	learn: 0.3327879	total: 926ms	remaining: 941ms
496:	learn: 0.3326249	total: 929ms	remaining: 940ms
497:	learn: 0.3325253	total: 931ms	remaining: 938ms
498:	learn: 0.3324646	total: 933ms	remaining: 936ms
499:	learn: 0.3322957	total: 935ms	remaining: 935ms
500:	learn: 0.3322296	total: 936ms	remaining: 932ms
501:	learn: 0.3321934	total: 937ms	remaining: 930ms
502:	learn: 0.3320217	total: 939ms	remaining: 928ms
503:	learn: 0.3319599	total: 941ms	remaining: 926ms
504:	learn: 0.3319133	total: 944ms	remaining: 925ms
505:	learn: 0.3318552	total: 945ms	remaining: 923ms
506:	learn: 0.3317791	total: 947ms	remaining: 921ms
507:	learn: 0.3316517	total: 950ms	remaining: 920ms
508:	learn: 0.3315958	total: 952ms	remaining: 919ms
509:	learn: 0.3314486	total: 956ms	remaining: 918ms
510:	learn: 0.3313747	total: 957ms	remaining: 916ms
511:	learn: 0.3312151	total: 961ms	remaining: 916ms
512:	learn: 0.3309990	total: 964ms	remaining: 915ms
513:	learn: 0.3309439	total: 967ms	remaining: 914ms
514:	learn: 0.3306297	total: 969ms	remaining: 913ms
515:	learn: 0.3306136	total: 972ms	remaining: 912ms
516:	learn: 0.3305037	total: 975ms	remaining: 911ms
517:	learn: 0.3303814	total: 980ms	remaining: 911ms
518:	learn: 0.3302647	total: 983ms	remaining: 911ms
519:	learn: 0.3301129	total: 984ms	remaining: 909ms
520:	learn: 0.3300615	total: 990ms	remaining: 910ms
521:	learn: 0.3299658	total: 991ms	remaining: 908ms
522:	learn: 0.3297616	total: 993ms	remaining: 905ms
523:	learn: 0.3296575	total: 996ms	remaining: 905ms
524:	learn: 0.3295952	total: 1s	remaining: 905ms
525:	learn: 0.3295064	total: 1s	remaining: 905ms
526:	learn: 0.3293103	total: 1.01s	remaining: 904ms
527:	learn: 0.3291750	total: 1.01s	remaining: 903ms
528:	learn: 0.3291397	total: 1.01s	remaining: 902ms
529:	learn: 0.3289958	total: 1.01s	remaining: 901ms
530:	learn: 0.3289779	total: 1.02s	remaining: 899ms
531:	learn: 0.3289069	total: 1.02s	remaining: 898ms
532:	learn: 0.3288397	total: 1.02s	remaining: 896ms
533:	learn: 0.3287154	total: 1.02s	remaining: 894ms
534:	learn: 0.3286498	total: 1.02s	remaining: 892ms
535:	learn: 0.3286396	total: 1.03s	remaining: 889ms
536:	learn: 0.3285265	total: 1.03s	remaining: 887ms
537:	learn: 0.3283293	total: 1.03s	remaining: 885ms
538:	learn: 0.3282699	total: 1.03s	remaining: 883ms
539:	learn: 0.3282013	total: 1.03s	remaining: 881ms
540:	learn: 0.3280743	total: 1.03s	remaining: 878ms
541:	learn: 0.3279502	total: 1.04s	remaining: 876ms
542:	learn: 0.3278280	total: 1.04s	remaining: 874ms
543:	learn: 0.3277828	total: 1.04s	remaining: 871ms
544:	learn: 0.3275994	total: 1.04s	remaining: 869ms
545:	learn: 0.3274997	total: 1.04s	remaining: 866ms
546:	learn: 0.3274526	total: 1.04s	remaining: 864ms
547:	learn: 0.3273757	total: 1.04s	remaining: 862ms
548:	learn: 0.3272956	total: 1.05s	remaining: 860ms
549:	learn: 0.3270782	total: 1.05s	remaining: 858ms
550:	learn: 0.3269635	total: 1.05s	remaining: 856ms
551:	learn: 0.3268828	total: 1.05s	remaining: 854ms
552:	learn: 0.3268101	total: 1.05s	remaining: 853ms
553:	learn: 0.3266768	total: 1.06s	remaining: 851ms
554:	learn: 0.3265263	total: 1.06s	remaining: 849ms
555:	learn: 0.3264190	total: 1.06s	remaining: 847ms
556:	learn: 0.3263970	total: 1.06s	remaining: 844ms
557:	learn: 0.3263236	total: 1.06s	remaining: 842ms
558:	learn: 0.3262689	total: 1.06s	remaining: 840ms
559:	learn: 0.3259962	total: 1.07s	remaining: 838ms
560:	learn: 0.3257790	total: 1.07s	remaining: 837ms
561:	learn: 0.3256720	total: 1.07s	remaining: 835ms
562:	learn: 0.3255895	total: 1.07s	remaining: 833ms
563:	learn: 0.3255684	total: 1.07s	remaining: 831ms
564:	learn: 0.3254482	total: 1.08s	remaining: 831ms
565:	learn: 0.3254261	total: 1.08s	remaining: 830ms
566:	learn: 0.3253277	total: 1.08s	remaining: 828ms
567:	learn: 0.3252562	total: 1.09s	remaining: 826ms
568:	learn: 0.3251987	total: 1.09s	remaining: 824ms
569:	learn: 0.3250869	total: 1.09s	remaining: 822ms
570:	learn: 0.3250786	total: 1.09s	remaining: 820ms
571:	learn: 0.3249238	total: 1.09s	remaining: 818ms
572:	learn: 0.3248771	total: 1.09s	remaining: 816ms
573:	learn: 0.3248153	total: 1.1s	remaining: 814ms
574:	learn: 0.3246306	total: 1.1s	remaining: 813ms
575:	learn: 0.3245354	total: 1.1s	remaining: 811ms
576:	learn: 0.3244593	total: 1.1s	remaining: 809ms
577:	learn: 0.3243497	total: 1.1s	remaining: 807ms
578:	learn: 0.3242144	total: 1.11s	remaining: 805ms
579:	learn: 0.3241780	total: 1.11s	remaining: 803ms
580:	learn: 0.3241649	total: 1.11s	remaining: 800ms
581:	learn: 0.3241125	total: 1.11s	remaining: 799ms
582:	learn: 0.3240451	total: 1.11s	remaining: 798ms
583:	learn: 0.3239791	total: 1.12s	remaining: 796ms
584:	learn: 0.3239787	total: 1.12s	remaining: 793ms
585:	learn: 0.3239009	total: 1.12s	remaining: 791ms
586:	learn: 0.3237443	total: 1.12s	remaining: 789ms
587:	learn: 0.3237427	total: 1.12s	remaining: 787ms
588:	learn: 0.3236262	total: 1.13s	remaining: 785ms
589:	learn: 0.3236004	total: 1.13s	remaining: 783ms
590:	learn: 0.3233587	total: 1.13s	remaining: 782ms
591:	learn: 0.3232687	total: 1.14s	remaining: 783ms
592:	learn: 0.3230624	total: 1.14s	remaining: 782ms
593:	learn: 0.3229166	total: 1.14s	remaining: 780ms
594:	learn: 0.3229072	total: 1.14s	remaining: 777ms
595:	learn: 0.3227935	total: 1.14s	remaining: 775ms
596:	learn: 0.3226368	total: 1.15s	remaining: 773ms
597:	learn: 0.3225367	total: 1.15s	remaining: 772ms
598:	learn: 0.3224127	total: 1.15s	remaining: 770ms
599:	learn: 0.3223174	total: 1.15s	remaining: 768ms
600:	learn: 0.3221358	total: 1.15s	remaining: 766ms
601:	learn: 0.3220532	total: 1.16s	remaining: 764ms
602:	learn: 0.3217599	total: 1.16s	remaining: 762ms
603:	learn: 0.3217237	total: 1.16s	remaining: 760ms
604:	learn: 0.3216444	total: 1.16s	remaining: 757ms
605:	learn: 0.3215668	total: 1.16s	remaining: 755ms
606:	learn: 0.3215262	total: 1.16s	remaining: 753ms
607:	learn: 0.3213918	total: 1.17s	remaining: 752ms
608:	learn: 0.3213529	total: 1.17s	remaining: 749ms
609:	learn: 0.3211989	total: 1.17s	remaining: 748ms
610:	learn: 0.3211372	total: 1.17s	remaining: 747ms
611:	learn: 0.3210788	total: 1.17s	remaining: 745ms
612:	learn: 0.3210327	total: 1.18s	remaining: 743ms
613:	learn: 0.3209603	total: 1.18s	remaining: 741ms
614:	learn: 0.3209206	total: 1.18s	remaining: 739ms
615:	learn: 0.3207530	total: 1.18s	remaining: 738ms
616:	learn: 0.3206086	total: 1.19s	remaining: 736ms
617:	learn: 0.3204250	total: 1.19s	remaining: 734ms
618:	learn: 0.3203607	total: 1.19s	remaining: 733ms
619:	learn: 0.3202802	total: 1.19s	remaining: 730ms
620:	learn: 0.3202035	total: 1.2s	remaining: 729ms
621:	learn: 0.3201484	total: 1.2s	remaining: 728ms
622:	learn: 0.3200640	total: 1.2s	remaining: 725ms
623:	learn: 0.3200088	total: 1.2s	remaining: 723ms
624:	learn: 0.3199671	total: 1.2s	remaining: 722ms
625:	learn: 0.3198274	total: 1.2s	remaining: 720ms
626:	learn: 0.3195650	total: 1.21s	remaining: 718ms
627:	learn: 0.3195356	total: 1.21s	remaining: 716ms
628:	learn: 0.3193842	total: 1.21s	remaining: 714ms
629:	learn: 0.3192979	total: 1.21s	remaining: 712ms
630:	learn: 0.3192056	total: 1.22s	remaining: 711ms
631:	learn: 0.3191033	total: 1.22s	remaining: 709ms
632:	learn: 0.3190247	total: 1.22s	remaining: 708ms
633:	learn: 0.3189199	total: 1.22s	remaining: 706ms
634:	learn: 0.3188687	total: 1.22s	remaining: 704ms
635:	learn: 0.3188398	total: 1.23s	remaining: 703ms
636:	learn: 0.3188323	total: 1.23s	remaining: 702ms
637:	learn: 0.3187476	total: 1.23s	remaining: 700ms
638:	learn: 0.3186863	total: 1.24s	remaining: 698ms
639:	learn: 0.3185775	total: 1.24s	remaining: 696ms
640:	learn: 0.3185210	total: 1.24s	remaining: 694ms
641:	learn: 0.3184906	total: 1.24s	remaining: 692ms
642:	learn: 0.3183410	total: 1.24s	remaining: 691ms
643:	learn: 0.3182615	total: 1.25s	remaining: 689ms
644:	learn: 0.3181563	total: 1.25s	remaining: 687ms
645:	learn: 0.3180584	total: 1.25s	remaining: 685ms
646:	learn: 0.3179535	total: 1.25s	remaining: 683ms
647:	learn: 0.3178113	total: 1.25s	remaining: 681ms
648:	learn: 0.3176311	total: 1.25s	remaining: 678ms
649:	learn: 0.3176201	total: 1.25s	remaining: 676ms
650:	learn: 0.3174282	total: 1.26s	remaining: 673ms
651:	learn: 0.3173373	total: 1.26s	remaining: 672ms
652:	learn: 0.3173272	total: 1.26s	remaining: 669ms
653:	learn: 0.3173207	total: 1.26s	remaining: 667ms
654:	learn: 0.3172030	total: 1.26s	remaining: 665ms
655:	learn: 0.3171169	total: 1.26s	remaining: 663ms
656:	learn: 0.3170773	total: 1.26s	remaining: 661ms
657:	learn: 0.3168173	total: 1.27s	remaining: 659ms
658:	learn: 0.3167726	total: 1.27s	remaining: 656ms
659:	learn: 0.3167646	total: 1.27s	remaining: 654ms
660:	learn: 0.3165916	total: 1.27s	remaining: 652ms
661:	learn: 0.3165893	total: 1.27s	remaining: 650ms
662:	learn: 0.3165059	total: 1.27s	remaining: 648ms
663:	learn: 0.3163539	total: 1.28s	remaining: 646ms
664:	learn: 0.3162496	total: 1.28s	remaining: 644ms
665:	learn: 0.3160237	total: 1.28s	remaining: 642ms
666:	learn: 0.3159485	total: 1.28s	remaining: 640ms
667:	learn: 0.3158230	total: 1.28s	remaining: 638ms
668:	learn: 0.3157520	total: 1.28s	remaining: 636ms
669:	learn: 0.3156811	total: 1.29s	remaining: 634ms
670:	learn: 0.3154506	total: 1.29s	remaining: 632ms
671:	learn: 0.3153471	total: 1.29s	remaining: 630ms
672:	learn: 0.3152074	total: 1.29s	remaining: 628ms
673:	learn: 0.3150496	total: 1.29s	remaining: 626ms
674:	learn: 0.3148175	total: 1.29s	remaining: 624ms
675:	learn: 0.3147592	total: 1.3s	remaining: 622ms
676:	learn: 0.3146747	total: 1.3s	remaining: 620ms
677:	learn: 0.3145933	total: 1.3s	remaining: 617ms
678:	learn: 0.3144049	total: 1.3s	remaining: 615ms
679:	learn: 0.3142546	total: 1.3s	remaining: 613ms
680:	learn: 0.3142053	total: 1.3s	remaining: 611ms
681:	learn: 0.3140859	total: 1.31s	remaining: 609ms
682:	learn: 0.3140203	total: 1.31s	remaining: 607ms
683:	learn: 0.3139799	total: 1.31s	remaining: 605ms
684:	learn: 0.3138785	total: 1.31s	remaining: 603ms
685:	learn: 0.3138022	total: 1.31s	remaining: 601ms
686:	learn: 0.3136834	total: 1.31s	remaining: 599ms
687:	learn: 0.3134907	total: 1.32s	remaining: 597ms
688:	learn: 0.3134194	total: 1.32s	remaining: 595ms
689:	learn: 0.3132390	total: 1.32s	remaining: 593ms
690:	learn: 0.3131636	total: 1.32s	remaining: 591ms
691:	learn: 0.3129625	total: 1.32s	remaining: 589ms
692:	learn: 0.3128764	total: 1.32s	remaining: 587ms
693:	learn: 0.3127452	total: 1.33s	remaining: 585ms
694:	learn: 0.3125270	total: 1.33s	remaining: 583ms
695:	learn: 0.3124279	total: 1.33s	remaining: 580ms
696:	learn: 0.3122518	total: 1.33s	remaining: 578ms
697:	learn: 0.3121980	total: 1.33s	remaining: 576ms
698:	learn: 0.3121152	total: 1.33s	remaining: 574ms
699:	learn: 0.3120072	total: 1.33s	remaining: 572ms
700:	learn: 0.3119623	total: 1.34s	remaining: 570ms
701:	learn: 0.3118530	total: 1.34s	remaining: 568ms
702:	learn: 0.3117399	total: 1.34s	remaining: 566ms
703:	learn: 0.3116708	total: 1.34s	remaining: 564ms
704:	learn: 0.3116345	total: 1.34s	remaining: 561ms
705:	learn: 0.3116253	total: 1.34s	remaining: 559ms
706:	learn: 0.3115164	total: 1.34s	remaining: 557ms
707:	learn: 0.3114295	total: 1.35s	remaining: 555ms
708:	learn: 0.3113896	total: 1.35s	remaining: 553ms
709:	learn: 0.3113297	total: 1.35s	remaining: 551ms
710:	learn: 0.3112564	total: 1.35s	remaining: 549ms
711:	learn: 0.3111021	total: 1.35s	remaining: 547ms
712:	learn: 0.3110001	total: 1.35s	remaining: 545ms
713:	learn: 0.3108945	total: 1.35s	remaining: 543ms
714:	learn: 0.3108183	total: 1.36s	remaining: 541ms
715:	learn: 0.3105758	total: 1.36s	remaining: 538ms
716:	learn: 0.3104991	total: 1.36s	remaining: 536ms
717:	learn: 0.3103944	total: 1.36s	remaining: 534ms
718:	learn: 0.3103577	total: 1.36s	remaining: 532ms
719:	learn: 0.3102467	total: 1.36s	remaining: 530ms
720:	learn: 0.3101736	total: 1.36s	remaining: 528ms
721:	learn: 0.3100537	total: 1.36s	remaining: 526ms
722:	learn: 0.3099320	total: 1.37s	remaining: 524ms
723:	learn: 0.3098830	total: 1.37s	remaining: 522ms
724:	learn: 0.3095906	total: 1.37s	remaining: 520ms
725:	learn: 0.3095087	total: 1.37s	remaining: 518ms
726:	learn: 0.3094062	total: 1.37s	remaining: 516ms
727:	learn: 0.3093059	total: 1.38s	remaining: 514ms
728:	learn: 0.3092300	total: 1.38s	remaining: 512ms
729:	learn: 0.3092047	total: 1.38s	remaining: 510ms
730:	learn: 0.3091858	total: 1.38s	remaining: 508ms
731:	learn: 0.3091144	total: 1.38s	remaining: 506ms
732:	learn: 0.3088853	total: 1.38s	remaining: 504ms
733:	learn: 0.3086781	total: 1.38s	remaining: 502ms
734:	learn: 0.3086326	total: 1.39s	remaining: 500ms
735:	learn: 0.3085422	total: 1.39s	remaining: 498ms
736:	learn: 0.3084817	total: 1.39s	remaining: 496ms
737:	learn: 0.3082591	total: 1.39s	remaining: 494ms
738:	learn: 0.3082563	total: 1.39s	remaining: 491ms
739:	learn: 0.3082271	total: 1.39s	remaining: 489ms
740:	learn: 0.3081235	total: 1.39s	remaining: 487ms
741:	learn: 0.3080508	total: 1.4s	remaining: 485ms
742:	learn: 0.3079073	total: 1.4s	remaining: 484ms
743:	learn: 0.3077208	total: 1.4s	remaining: 482ms
744:	learn: 0.3074979	total: 1.4s	remaining: 480ms
745:	learn: 0.3074225	total: 1.4s	remaining: 478ms
746:	learn: 0.3073579	total: 1.4s	remaining: 476ms
747:	learn: 0.3072127	total: 1.41s	remaining: 474ms
748:	learn: 0.3070734	total: 1.41s	remaining: 473ms
749:	learn: 0.3070230	total: 1.41s	remaining: 470ms
750:	learn: 0.3069602	total: 1.41s	remaining: 469ms
751:	learn: 0.3068089	total: 1.42s	remaining: 467ms
752:	learn: 0.3066708	total: 1.42s	remaining: 465ms
753:	learn: 0.3066043	total: 1.42s	remaining: 463ms
754:	learn: 0.3064645	total: 1.42s	remaining: 461ms
755:	learn: 0.3062674	total: 1.42s	remaining: 459ms
756:	learn: 0.3061371	total: 1.42s	remaining: 457ms
757:	learn: 0.3060351	total: 1.43s	remaining: 455ms
758:	learn: 0.3059486	total: 1.43s	remaining: 453ms
759:	learn: 0.3058407	total: 1.43s	remaining: 451ms
760:	learn: 0.3057412	total: 1.43s	remaining: 449ms
761:	learn: 0.3056590	total: 1.43s	remaining: 447ms
762:	learn: 0.3054609	total: 1.43s	remaining: 445ms
763:	learn: 0.3053485	total: 1.43s	remaining: 443ms
764:	learn: 0.3052930	total: 1.44s	remaining: 441ms
765:	learn: 0.3051876	total: 1.44s	remaining: 439ms
766:	learn: 0.3051259	total: 1.44s	remaining: 437ms
767:	learn: 0.3050669	total: 1.44s	remaining: 435ms
768:	learn: 0.3049903	total: 1.44s	remaining: 433ms
769:	learn: 0.3049131	total: 1.45s	remaining: 432ms
770:	learn: 0.3047314	total: 1.45s	remaining: 430ms
771:	learn: 0.3045390	total: 1.45s	remaining: 428ms
772:	learn: 0.3044281	total: 1.45s	remaining: 426ms
773:	learn: 0.3042420	total: 1.45s	remaining: 424ms
774:	learn: 0.3041967	total: 1.45s	remaining: 422ms
775:	learn: 0.3041593	total: 1.45s	remaining: 420ms
776:	learn: 0.3040126	total: 1.46s	remaining: 418ms
777:	learn: 0.3039772	total: 1.46s	remaining: 416ms
778:	learn: 0.3039179	total: 1.46s	remaining: 414ms
779:	learn: 0.3038542	total: 1.46s	remaining: 412ms
780:	learn: 0.3037216	total: 1.46s	remaining: 410ms
781:	learn: 0.3036516	total: 1.46s	remaining: 408ms
782:	learn: 0.3035423	total: 1.47s	remaining: 406ms
783:	learn: 0.3034702	total: 1.47s	remaining: 404ms
784:	learn: 0.3032681	total: 1.47s	remaining: 402ms
785:	learn: 0.3031842	total: 1.47s	remaining: 400ms
786:	learn: 0.3030693	total: 1.47s	remaining: 399ms
787:	learn: 0.3028731	total: 1.47s	remaining: 397ms
788:	learn: 0.3027824	total: 1.48s	remaining: 395ms
789:	learn: 0.3026514	total: 1.48s	remaining: 393ms
790:	learn: 0.3025920	total: 1.48s	remaining: 391ms
791:	learn: 0.3024540	total: 1.48s	remaining: 389ms
792:	learn: 0.3023181	total: 1.48s	remaining: 387ms
793:	learn: 0.3022240	total: 1.48s	remaining: 385ms
794:	learn: 0.3021937	total: 1.49s	remaining: 383ms
795:	learn: 0.3020745	total: 1.49s	remaining: 381ms
796:	learn: 0.3020198	total: 1.49s	remaining: 380ms
797:	learn: 0.3019147	total: 1.49s	remaining: 378ms
798:	learn: 0.3017721	total: 1.49s	remaining: 376ms
799:	learn: 0.3016191	total: 1.5s	remaining: 374ms
800:	learn: 0.3015789	total: 1.5s	remaining: 372ms
801:	learn: 0.3015287	total: 1.5s	remaining: 370ms
802:	learn: 0.3013709	total: 1.5s	remaining: 368ms
803:	learn: 0.3012858	total: 1.5s	remaining: 366ms
804:	learn: 0.3011880	total: 1.5s	remaining: 364ms
805:	learn: 0.3010563	total: 1.5s	remaining: 362ms
806:	learn: 0.3010468	total: 1.5s	remaining: 360ms
807:	learn: 0.3009539	total: 1.5s	remaining: 358ms
808:	learn: 0.3007778	total: 1.51s	remaining: 356ms
809:	learn: 0.3006519	total: 1.51s	remaining: 354ms
810:	learn: 0.3005321	total: 1.51s	remaining: 352ms
811:	learn: 0.3003811	total: 1.51s	remaining: 350ms
812:	learn: 0.3003423	total: 1.51s	remaining: 348ms
813:	learn: 0.3002455	total: 1.51s	remaining: 346ms
814:	learn: 0.3001416	total: 1.51s	remaining: 344ms
815:	learn: 0.2999471	total: 1.52s	remaining: 342ms
816:	learn: 0.2997455	total: 1.52s	remaining: 340ms
817:	learn: 0.2996196	total: 1.52s	remaining: 338ms
818:	learn: 0.2995383	total: 1.52s	remaining: 336ms
819:	learn: 0.2995095	total: 1.52s	remaining: 334ms
820:	learn: 0.2994088	total: 1.52s	remaining: 332ms
821:	learn: 0.2993254	total: 1.52s	remaining: 330ms
822:	learn: 0.2992501	total: 1.52s	remaining: 328ms
823:	learn: 0.2990912	total: 1.52s	remaining: 326ms
824:	learn: 0.2990560	total: 1.53s	remaining: 324ms
825:	learn: 0.2989995	total: 1.53s	remaining: 322ms
826:	learn: 0.2988495	total: 1.53s	remaining: 320ms
827:	learn: 0.2987371	total: 1.53s	remaining: 318ms
828:	learn: 0.2986010	total: 1.53s	remaining: 316ms
829:	learn: 0.2985017	total: 1.53s	remaining: 314ms
830:	learn: 0.2984508	total: 1.53s	remaining: 312ms
831:	learn: 0.2983430	total: 1.54s	remaining: 310ms
832:	learn: 0.2981941	total: 1.54s	remaining: 308ms
833:	learn: 0.2980562	total: 1.54s	remaining: 306ms
834:	learn: 0.2979838	total: 1.54s	remaining: 305ms
835:	learn: 0.2977779	total: 1.54s	remaining: 303ms
836:	learn: 0.2976553	total: 1.54s	remaining: 301ms
837:	learn: 0.2975352	total: 1.55s	remaining: 299ms
838:	learn: 0.2974752	total: 1.55s	remaining: 297ms
839:	learn: 0.2973387	total: 1.55s	remaining: 295ms
840:	learn: 0.2972663	total: 1.55s	remaining: 293ms
841:	learn: 0.2971407	total: 1.55s	remaining: 291ms
842:	learn: 0.2970704	total: 1.55s	remaining: 289ms
843:	learn: 0.2969422	total: 1.55s	remaining: 287ms
844:	learn: 0.2968495	total: 1.56s	remaining: 286ms
845:	learn: 0.2967462	total: 1.56s	remaining: 284ms
846:	learn: 0.2966814	total: 1.56s	remaining: 282ms
847:	learn: 0.2965312	total: 1.56s	remaining: 280ms
848:	learn: 0.2964524	total: 1.56s	remaining: 278ms
849:	learn: 0.2963922	total: 1.56s	remaining: 276ms
850:	learn: 0.2963561	total: 1.56s	remaining: 274ms
851:	learn: 0.2962299	total: 1.56s	remaining: 272ms
852:	learn: 0.2961641	total: 1.57s	remaining: 270ms
853:	learn: 0.2960298	total: 1.57s	remaining: 268ms
854:	learn: 0.2959475	total: 1.57s	remaining: 266ms
855:	learn: 0.2958681	total: 1.57s	remaining: 264ms
856:	learn: 0.2957700	total: 1.57s	remaining: 262ms
857:	learn: 0.2955894	total: 1.57s	remaining: 261ms
858:	learn: 0.2955153	total: 1.57s	remaining: 259ms
859:	learn: 0.2954150	total: 1.58s	remaining: 257ms
860:	learn: 0.2953358	total: 1.58s	remaining: 255ms
861:	learn: 0.2953057	total: 1.58s	remaining: 253ms
862:	learn: 0.2950345	total: 1.58s	remaining: 251ms
863:	learn: 0.2949664	total: 1.58s	remaining: 250ms
864:	learn: 0.2948592	total: 1.59s	remaining: 248ms
865:	learn: 0.2947965	total: 1.59s	remaining: 246ms
866:	learn: 0.2947271	total: 1.59s	remaining: 244ms
867:	learn: 0.2946599	total: 1.59s	remaining: 242ms
868:	learn: 0.2944422	total: 1.59s	remaining: 240ms
869:	learn: 0.2943760	total: 1.59s	remaining: 238ms
870:	learn: 0.2943345	total: 1.59s	remaining: 236ms
871:	learn: 0.2941506	total: 1.6s	remaining: 234ms
872:	learn: 0.2940714	total: 1.6s	remaining: 233ms
873:	learn: 0.2940029	total: 1.6s	remaining: 231ms
874:	learn: 0.2939510	total: 1.6s	remaining: 229ms
875:	learn: 0.2939137	total: 1.6s	remaining: 227ms
876:	learn: 0.2937939	total: 1.6s	remaining: 225ms
877:	learn: 0.2936731	total: 1.61s	remaining: 223ms
878:	learn: 0.2936534	total: 1.61s	remaining: 221ms
879:	learn: 0.2935863	total: 1.61s	remaining: 219ms
880:	learn: 0.2935174	total: 1.61s	remaining: 217ms
881:	learn: 0.2933392	total: 1.61s	remaining: 216ms
882:	learn: 0.2932721	total: 1.61s	remaining: 214ms
883:	learn: 0.2932013	total: 1.61s	remaining: 212ms
884:	learn: 0.2931583	total: 1.61s	remaining: 210ms
885:	learn: 0.2931113	total: 1.62s	remaining: 208ms
886:	learn: 0.2929548	total: 1.62s	remaining: 206ms
887:	learn: 0.2928591	total: 1.62s	remaining: 204ms
888:	learn: 0.2927611	total: 1.62s	remaining: 202ms
889:	learn: 0.2926722	total: 1.62s	remaining: 200ms
890:	learn: 0.2926166	total: 1.62s	remaining: 199ms
891:	learn: 0.2924617	total: 1.62s	remaining: 197ms
892:	learn: 0.2923945	total: 1.63s	remaining: 195ms
893:	learn: 0.2922313	total: 1.63s	remaining: 193ms
894:	learn: 0.2921683	total: 1.63s	remaining: 191ms
895:	learn: 0.2920355	total: 1.63s	remaining: 189ms
896:	learn: 0.2919873	total: 1.63s	remaining: 187ms
897:	learn: 0.2919498	total: 1.63s	remaining: 186ms
898:	learn: 0.2918992	total: 1.63s	remaining: 184ms
```

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899:	learn: 0.2917453	total: 1.64s	remaining: 182ms
900:	learn: 0.2916279	total: 1.64s	remaining: 180ms
901:	learn: 0.2915342	total: 1.64s	remaining: 178ms
902:	learn: 0.2914526	total: 1.64s	remaining: 176ms
903:	learn: 0.2914039	total: 1.64s	remaining: 174ms
904:	learn: 0.2913072	total: 1.64s	remaining: 173ms
905:	learn: 0.2912691	total: 1.65s	remaining: 171ms
906:	learn: 0.2911306	total: 1.65s	remaining: 169ms
907:	learn: 0.2910639	total: 1.65s	remaining: 167ms
908:	learn: 0.2910040	total: 1.65s	remaining: 165ms
909:	learn: 0.2909422	total: 1.65s	remaining: 163ms
910:	learn: 0.2908553	total: 1.65s	remaining: 161ms
911:	learn: 0.2906955	total: 1.65s	remaining: 160ms
912:	learn: 0.2906428	total: 1.66s	remaining: 158ms
913:	learn: 0.2905681	total: 1.66s	remaining: 156ms
914:	learn: 0.2905027	total: 1.66s	remaining: 154ms
915:	learn: 0.2904373	total: 1.66s	remaining: 152ms
916:	learn: 0.2902294	total: 1.66s	remaining: 150ms
917:	learn: 0.2901991	total: 1.66s	remaining: 149ms
918:	learn: 0.2901425	total: 1.67s	remaining: 147ms
919:	learn: 0.2900903	total: 1.67s	remaining: 145ms
920:	learn: 0.2899985	total: 1.67s	remaining: 143ms
921:	learn: 0.2898531	total: 1.67s	remaining: 141ms
922:	learn: 0.2897966	total: 1.67s	remaining: 139ms
923:	learn: 0.2896399	total: 1.67s	remaining: 138ms
924:	learn: 0.2895836	total: 1.68s	remaining: 136ms
925:	learn: 0.2894693	total: 1.68s	remaining: 134ms
926:	learn: 0.2893584	total: 1.68s	remaining: 132ms
927:	learn: 0.2893108	total: 1.68s	remaining: 130ms
928:	learn: 0.2892607	total: 1.68s	remaining: 128ms
929:	learn: 0.2892009	total: 1.68s	remaining: 127ms
930:	learn: 0.2890329	total: 1.68s	remaining: 125ms
931:	learn: 0.2888686	total: 1.69s	remaining: 123ms
932:	learn: 0.2888301	total: 1.69s	remaining: 121ms
933:	learn: 0.2887367	total: 1.69s	remaining: 119ms
934:	learn: 0.2886862	total: 1.69s	remaining: 118ms
935:	learn: 0.2885696	total: 1.69s	remaining: 116ms
936:	learn: 0.2883853	total: 1.69s	remaining: 114ms
937:	learn: 0.2882182	total: 1.7s	remaining: 112ms
938:	learn: 0.2881587	total: 1.7s	remaining: 110ms
939:	learn: 0.2879424	total: 1.7s	remaining: 108ms
940:	learn: 0.2878307	total: 1.7s	remaining: 107ms
941:	learn: 0.2876648	total: 1.7s	remaining: 105ms
942:	learn: 0.2875931	total: 1.7s	remaining: 103ms
943:	learn: 0.2875435	total: 1.7s	remaining: 101ms
944:	learn: 0.2875103	total: 1.71s	remaining: 99.3ms
945:	learn: 0.2874394	total: 1.71s	remaining: 97.5ms
946:	learn: 0.2872882	total: 1.71s	remaining: 95.6ms
947:	learn: 0.2872233	total: 1.71s	remaining: 93.8ms
948:	learn: 0.2870986	total: 1.71s	remaining: 92ms
949:	learn: 0.2870594	total: 1.71s	remaining: 90.2ms
950:	learn: 0.2869984	total: 1.72s	remaining: 88.4ms
951:	learn: 0.2869421	total: 1.72s	remaining: 86.6ms
952:	learn: 0.2868698	total: 1.72s	remaining: 84.8ms
953:	learn: 0.2868062	total: 1.72s	remaining: 82.9ms
954:	learn: 0.2867559	total: 1.72s	remaining: 81.1ms
955:	learn: 0.2866766	total: 1.72s	remaining: 79.3ms
956:	learn: 0.2865483	total: 1.72s	remaining: 77.5ms
957:	learn: 0.2864884	total: 1.73s	remaining: 75.7ms
958:	learn: 0.2864267	total: 1.73s	remaining: 73.9ms
959:	learn: 0.2863735	total: 1.73s	remaining: 72ms
960:	learn: 0.2863098	total: 1.73s	remaining: 70.2ms
961:	learn: 0.2862036	total: 1.73s	remaining: 68.4ms
962:	learn: 0.2861043	total: 1.73s	remaining: 66.6ms
963:	learn: 0.2860358	total: 1.73s	remaining: 64.8ms
964:	learn: 0.2859759	total: 1.74s	remaining: 63ms
965:	learn: 0.2859279	total: 1.74s	remaining: 61.2ms
966:	learn: 0.2858955	total: 1.74s	remaining: 59.4ms
967:	learn: 0.2857737	total: 1.74s	remaining: 57.5ms
968:	learn: 0.2857152	total: 1.74s	remaining: 55.7ms
969:	learn: 0.2855650	total: 1.74s	remaining: 53.9ms
970:	learn: 0.2854894	total: 1.74s	remaining: 52.1ms
971:	learn: 0.2854424	total: 1.75s	remaining: 50.3ms
972:	learn: 0.2852592	total: 1.75s	remaining: 48.5ms
973:	learn: 0.2851799	total: 1.75s	remaining: 46.7ms
974:	learn: 0.2849984	total: 1.75s	remaining: 44.9ms
975:	learn: 0.2849321	total: 1.75s	remaining: 43.1ms
976:	learn: 0.2849136	total: 1.75s	remaining: 41.3ms
977:	learn: 0.2847643	total: 1.76s	remaining: 39.5ms
978:	learn: 0.2846474	total: 1.76s	remaining: 37.7ms
979:	learn: 0.2845011	total: 1.76s	remaining: 35.9ms
980:	learn: 0.2843430	total: 1.76s	remaining: 34.1ms
981:	learn: 0.2842028	total: 1.76s	remaining: 32.3ms
982:	learn: 0.2841577	total: 1.77s	remaining: 30.5ms
983:	learn: 0.2840650	total: 1.77s	remaining: 28.7ms
984:	learn: 0.2840147	total: 1.77s	remaining: 27ms
985:	learn: 0.2839225	total: 1.77s	remaining: 25.1ms
986:	learn: 0.2838433	total: 1.77s	remaining: 23.3ms
987:	learn: 0.2838127	total: 1.77s	remaining: 21.6ms
988:	learn: 0.2837646	total: 1.78s	remaining: 19.8ms
989:	learn: 0.2837450	total: 1.78s	remaining: 18ms
990:	learn: 0.2836436	total: 1.78s	remaining: 16.2ms
991:	learn: 0.2834878	total: 1.78s	remaining: 14.4ms
992:	learn: 0.2834355	total: 1.78s	remaining: 12.6ms
993:	learn: 0.2833390	total: 1.78s	remaining: 10.8ms
994:	learn: 0.2832964	total: 1.78s	remaining: 8.96ms
995:	learn: 0.2832752	total: 1.78s	remaining: 7.17ms
996:	learn: 0.2832541	total: 1.78s	remaining: 5.37ms
997:	learn: 0.2831142	total: 1.79s	remaining: 3.58ms
998:	learn: 0.2830096	total: 1.79s	remaining: 1.79ms
999:	learn: 0.2828315	total: 1.79s	remaining: 0us
```

Out[33]:

```
<catboost.core.CatBoostClassifier at 0x7f7030221110>
```

In [34]:

```python
from sklearn.metrics import confusion_matrix, accuracy_score
y_pred = classifier.predict(X_test)
cm = confusion_matrix(y_test, y_pred)
print(cm)
accuracy_score(y_test, y_pred)
```

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[[246  20]
 [ 33 119]]
```

Out[34]:

```
0.8732057416267942
```

In [35]:

```python
from sklearn.model_selection import cross_val_score
accuracies = cross_val_score(estimator = classifier, X = X_train, y = y_train, cv = 10)
print(f"Accuracy: {accuracies.mean()*100:.2f} %")
print(f"Standard Deviation: {accuracies.std()*100:.2f} %")
```

```
Learning rate set to 0.009371
0:	learn: 0.6866322	total: 1.2ms	remaining: 1.2s
1:	learn: 0.6803065	total: 4.21ms	remaining: 2.1s
2:	learn: 0.6739883	total: 5.67ms	remaining: 1.89s
3:	learn: 0.6684859	total: 6.69ms	remaining: 1.67s
4:	learn: 0.6638792	total: 7.84ms	remaining: 1.56s
5:	learn: 0.6582615	total: 8.84ms	remaining: 1.46s
6:	learn: 0.6519204	total: 10.6ms	remaining: 1.5s
7:	learn: 0.6472030	total: 11.7ms	remaining: 1.44s
8:	learn: 0.6417917	total: 12.7ms	remaining: 1.4s
9:	learn: 0.6366876	total: 13.7ms	remaining: 1.36s
10:	learn: 0.6310864	total: 14.9ms	remaining: 1.34s
11:	learn: 0.6264440	total: 16.2ms	remaining: 1.33s
12:	learn: 0.6206705	total: 17.8ms	remaining: 1.35s
13:	learn: 0.6162711	total: 19.4ms	remaining: 1.36s
14:	learn: 0.6117522	total: 20.5ms	remaining: 1.35s
15:	learn: 0.6066985	total: 21.8ms	remaining: 1.34s
16:	learn: 0.6021443	total: 23.4ms	remaining: 1.35s
17:	learn: 0.5978724	total: 25.4ms	remaining: 1.38s
18:	learn: 0.5936013	total: 27ms	remaining: 1.39s
19:	learn: 0.5899146	total: 28.4ms	remaining: 1.39s
20:	learn: 0.5855852	total: 29.9ms	remaining: 1.39s
21:	learn: 0.5812729	total: 31.3ms	remaining: 1.39s
22:	learn: 0.5770898	total: 32.3ms	remaining: 1.37s
23:	learn: 0.5725943	total: 33.5ms	remaining: 1.36s
24:	learn: 0.5697810	total: 34.4ms	remaining: 1.34s
25:	learn: 0.5660255	total: 35.4ms	remaining: 1.32s
26:	learn: 0.5626572	total: 36.2ms	remaining: 1.3s
27:	learn: 0.5591110	total: 37.3ms	remaining: 1.29s
28:	learn: 0.5557371	total: 38.3ms	remaining: 1.28s
29:	learn: 0.5521325	total: 39.7ms	remaining: 1.28s
30:	learn: 0.5492923	total: 40.3ms	remaining: 1.26s
31:	learn: 0.5459209	total: 41.2ms	remaining: 1.24s
32:	learn: 0.5427880	total: 42.4ms	remaining: 1.24s
33:	learn: 0.5399703	total: 43.6ms	remaining: 1.24s
34:	learn: 0.5370432	total: 44.9ms	remaining: 1.24s
35:	learn: 0.5336640	total: 46.3ms	remaining: 1.24s
36:	learn: 0.5304668	total: 47.6ms	remaining: 1.24s
37:	learn: 0.5278045	total: 49.1ms	remaining: 1.24s
38:	learn: 0.5245767	total: 50.9ms	remaining: 1.25s
39:	learn: 0.5215203	total: 52.1ms	remaining: 1.25s
40:	learn: 0.5186470	total: 53.8ms	remaining: 1.26s
41:	learn: 0.5155543	total: 55ms	remaining: 1.25s
42:	learn: 0.5126405	total: 56.4ms	remaining: 1.25s
43:	learn: 0.5095484	total: 57.5ms	remaining: 1.25s
44:	learn: 0.5068655	total: 59.1ms	remaining: 1.25s
45:	learn: 0.5041593	total: 60.4ms	remaining: 1.25s
46:	learn: 0.5019132	total: 61.6ms	remaining: 1.25s
47:	learn: 0.4995020	total: 63.1ms	remaining: 1.25s
48:	learn: 0.4972458	total: 64.5ms	remaining: 1.25s
49:	learn: 0.4947412	total: 65.4ms	remaining: 1.24s
50:	learn: 0.4928500	total: 66.3ms	remaining: 1.23s
51:	learn: 0.4907150	total: 67.5ms	remaining: 1.23s
52:	learn: 0.4888831	total: 69ms	remaining: 1.23s
53:	learn: 0.4866955	total: 70.4ms	remaining: 1.23s
54:	learn: 0.4846002	total: 71.6ms	remaining: 1.23s
55:	learn: 0.4827038	total: 73.1ms	remaining: 1.23s
56:	learn: 0.4807241	total: 74.7ms	remaining: 1.24s
57:	learn: 0.4786525	total: 76ms	remaining: 1.24s
58:	learn: 0.4765340	total: 77ms	remaining: 1.23s
59:	learn: 0.4747017	total: 78.1ms	remaining: 1.22s
60:	learn: 0.4732239	total: 79ms	remaining: 1.22s
61:	learn: 0.4716235	total: 80.2ms	remaining: 1.21s
62:	learn: 0.4702161	total: 81.4ms	remaining: 1.21s
63:	learn: 0.4681717	total: 82.9ms	remaining: 1.21s
64:	learn: 0.4667153	total: 84.2ms	remaining: 1.21s
65:	learn: 0.4650247	total: 85.2ms	remaining: 1.21s
66:	learn: 0.4633834	total: 86.2ms	remaining: 1.2s
67:	learn: 0.4614962	total: 87.6ms	remaining: 1.2s
68:	learn: 0.4596889	total: 89.1ms	remaining: 1.2s
69:	learn: 0.4579380	total: 90.3ms	remaining: 1.2s
70:	learn: 0.4562501	total: 91.5ms	remaining: 1.2s
71:	learn: 0.4546345	total: 92.6ms	remaining: 1.19s
72:	learn: 0.4528250	total: 93.9ms	remaining: 1.19s
73:	learn: 0.4513628	total: 95.5ms	remaining: 1.19s
74:	learn: 0.4496463	total: 96.7ms	remaining: 1.19s
75:	learn: 0.4487228	total: 97.5ms	remaining: 1.19s
76:	learn: 0.4475722	total: 98.7ms	remaining: 1.18s
77:	learn: 0.4461173	total: 99.9ms	remaining: 1.18s
78:	learn: 0.4450912	total: 101ms	remaining: 1.18s
79:	learn: 0.4439088	total: 102ms	remaining: 1.18s
80:	learn: 0.4426865	total: 103ms	remaining: 1.17s
81:	learn: 0.4416419	total: 105ms	remaining: 1.17s
82:	learn: 0.4403391	total: 106ms	remaining: 1.17s
83:	learn: 0.4392147	total: 107ms	remaining: 1.17s
84:	learn: 0.4377740	total: 109ms	remaining: 1.17s
85:	learn: 0.4366312	total: 110ms	remaining: 1.17s
86:	learn: 0.4353123	total: 111ms	remaining: 1.17s
87:	learn: 0.4344027	total: 112ms	remaining: 1.16s
88:	learn: 0.4332683	total: 113ms	remaining: 1.16s
89:	learn: 0.4323823	total: 114ms	remaining: 1.16s
90:	learn: 0.4313516	total: 116ms	remaining: 1.16s
91:	learn: 0.4302779	total: 118ms	remaining: 1.17s
92:	learn: 0.4292259	total: 120ms	remaining: 1.17s
93:	learn: 0.4281792	total: 121ms	remaining: 1.16s
94:	learn: 0.4273854	total: 122ms	remaining: 1.16s
95:	learn: 0.4269012	total: 123ms	remaining: 1.16s
96:	learn: 0.4258710	total: 124ms	remaining: 1.16s
97:	learn: 0.4247411	total: 125ms	remaining: 1.15s
98:	learn: 0.4235443	total: 127ms	remaining: 1.15s
99:	learn: 0.4230128	total: 128ms	remaining: 1.15s
100:	learn: 0.4222130	total: 129ms	remaining: 1.15s
101:	learn: 0.4215332	total: 130ms	remaining: 1.14s
102:	learn: 0.4204836	total: 131ms	remaining: 1.14s
103:	learn: 0.4196412	total: 132ms	remaining: 1.13s
104:	learn: 0.4187888	total: 133ms	remaining: 1.13s
105:	learn: 0.4177136	total: 134ms	remaining: 1.13s
106:	learn: 0.4166967	total: 135ms	remaining: 1.13s
107:	learn: 0.4158070	total: 136ms	remaining: 1.13s
108:	learn: 0.4147695	total: 138ms	remaining: 1.13s
109:	learn: 0.4137975	total: 139ms	remaining: 1.13s
110:	learn: 0.4135282	total: 140ms	remaining: 1.12s
111:	learn: 0.4127461	total: 142ms	remaining: 1.13s
112:	learn: 0.4118141	total: 144ms	remaining: 1.13s
113:	learn: 0.4111177	total: 145ms	remaining: 1.13s
114:	learn: 0.4104468	total: 147ms	remaining: 1.13s
115:	learn: 0.4095775	total: 148ms	remaining: 1.13s
116:	learn: 0.4089821	total: 149ms	remaining: 1.13s
117:	learn: 0.4083892	total: 151ms	remaining: 1.13s
118:	learn: 0.4077234	total: 152ms	remaining: 1.13s
119:	learn: 0.4069807	total: 154ms	remaining: 1.13s
120:	learn: 0.4063136	total: 156ms	remaining: 1.14s
121:	learn: 0.4060685	total: 157ms	remaining: 1.13s
122:	learn: 0.4058672	total: 158ms	remaining: 1.13s
123:	learn: 0.4052797	total: 159ms	remaining: 1.12s
124:	learn: 0.4043669	total: 160ms	remaining: 1.12s
125:	learn: 0.4037907	total: 162ms	remaining: 1.12s
126:	learn: 0.4033940	total: 163ms	remaining: 1.12s
127:	learn: 0.4025375	total: 164ms	remaining: 1.12s
128:	learn: 0.4019050	total: 166ms	remaining: 1.12s
129:	learn: 0.4014882	total: 168ms	remaining: 1.12s
130:	learn: 0.4009411	total: 170ms	remaining: 1.12s
131:	learn: 0.4007408	total: 170ms	remaining: 1.12s
132:	learn: 0.4001575	total: 171ms	remaining: 1.12s
133:	learn: 0.3996032	total: 173ms	remaining: 1.11s
134:	learn: 0.3992553	total: 175ms	remaining: 1.12s
135:	learn: 0.3988050	total: 177ms	remaining: 1.12s
136:	learn: 0.3983379	total: 178ms	remaining: 1.12s
137:	learn: 0.3976958	total: 180ms	remaining: 1.13s
138:	learn: 0.3975119	total: 182ms	remaining: 1.12s
139:	learn: 0.3969703	total: 184ms	remaining: 1.13s
140:	learn: 0.3964502	total: 188ms	remaining: 1.15s
141:	learn: 0.3961132	total: 190ms	remaining: 1.15s
142:	learn: 0.3955602	total: 191ms	remaining: 1.15s
143:	learn: 0.3949307	total: 192ms	remaining: 1.14s
144:	learn: 0.3943661	total: 194ms	remaining: 1.14s
145:	learn: 0.3939388	total: 195ms	remaining: 1.14s
146:	learn: 0.3936405	total: 197ms	remaining: 1.14s
147:	learn: 0.3932092	total: 199ms	remaining: 1.14s
148:	learn: 0.3926266	total: 200ms	remaining: 1.14s
149:	learn: 0.3921897	total: 202ms	remaining: 1.14s
150:	learn: 0.3917564	total: 204ms	remaining: 1.15s
151:	learn: 0.3913236	total: 206ms	remaining: 1.15s
152:	learn: 0.3908584	total: 208ms	remaining: 1.15s
153:	learn: 0.3903747	total: 210ms	remaining: 1.15s
154:	learn: 0.3899929	total: 211ms	remaining: 1.15s
155:	learn: 0.3896747	total: 213ms	remaining: 1.15s
156:	learn: 0.3893785	total: 215ms	remaining: 1.15s
157:	learn: 0.3887815	total: 216ms	remaining: 1.15s
158:	learn: 0.3882554	total: 218ms	remaining: 1.16s
159:	learn: 0.3879066	total: 220ms	remaining: 1.16s
160:	learn: 0.3875822	total: 223ms	remaining: 1.16s
161:	learn: 0.3869696	total: 224ms	remaining: 1.16s
162:	learn: 0.3866313	total: 226ms	remaining: 1.16s
163:	learn: 0.3863481	total: 228ms	remaining: 1.16s
164:	learn: 0.3861564	total: 230ms	remaining: 1.16s
165:	learn: 0.3858392	total: 231ms	remaining: 1.16s
166:	learn: 0.3853665	total: 233ms	remaining: 1.16s
167:	learn: 0.3851750	total: 236ms	remaining: 1.17s
168:	learn: 0.3848141	total: 238ms	remaining: 1.17s
169:	learn: 0.3844109	total: 240ms	remaining: 1.17s
170:	learn: 0.3840028	total: 242ms	remaining: 1.18s
171:	learn: 0.3837175	total: 245ms	remaining: 1.18s
172:	learn: 0.3832148	total: 247ms	remaining: 1.18s
173:	learn: 0.3826484	total: 250ms	remaining: 1.19s
174:	learn: 0.3822705	total: 252ms	remaining: 1.19s
175:	learn: 0.3818100	total: 254ms	remaining: 1.19s
176:	learn: 0.3813446	total: 256ms	remaining: 1.19s
177:	learn: 0.3810717	total: 258ms	remaining: 1.19s
178:	learn: 0.3808430	total: 260ms	remaining: 1.19s
179:	learn: 0.3803467	total: 261ms	remaining: 1.19s
180:	learn: 0.3802742	total: 263ms	remaining: 1.19s
181:	learn: 0.3800433	total: 264ms	remaining: 1.19s
182:	learn: 0.3797597	total: 265ms	remaining: 1.18s
183:	learn: 0.3795312	total: 267ms	remaining: 1.18s
184:	learn: 0.3792701	total: 268ms	remaining: 1.18s
185:	learn: 0.3788085	total: 271ms	remaining: 1.19s
186:	learn: 0.3784719	total: 272ms	remaining: 1.18s
187:	learn: 0.3783212	total: 274ms	remaining: 1.18s
188:	learn: 0.3780417	total: 275ms	remaining: 1.18s
189:	learn: 0.3778619	total: 277ms	remaining: 1.18s
190:	learn: 0.3775157	total: 278ms	remaining: 1.18s
191:	learn: 0.3771838	total: 281ms	remaining: 1.18s
192:	learn: 0.3769274	total: 283ms	remaining: 1.18s
193:	learn: 0.3766188	total: 284ms	remaining: 1.18s
194:	learn: 0.3764193	total: 287ms	remaining: 1.19s
195:	learn: 0.3763317	total: 289ms	remaining: 1.19s
196:	learn: 0.3761650	total: 292ms	remaining: 1.19s
197:	learn: 0.3756757	total: 295ms	remaining: 1.2s
198:	learn: 0.3753414	total: 297ms	remaining: 1.19s
199:	learn: 0.3749921	total: 298ms	remaining: 1.19s
200:	learn: 0.3746942	total: 300ms	remaining: 1.19s
201:	learn: 0.3743830	total: 302ms	remaining: 1.19s
202:	learn: 0.3742207	total: 304ms	remaining: 1.19s
203:	learn: 0.3737661	total: 306ms	remaining: 1.19s
204:	learn: 0.3735647	total: 308ms	remaining: 1.2s
205:	learn: 0.3731977	total: 310ms	remaining: 1.19s
206:	learn: 0.3730039	total: 311ms	remaining: 1.19s
207:	learn: 0.3727289	total: 314ms	remaining: 1.2s
208:	learn: 0.3724378	total: 316ms	remaining: 1.19s
209:	learn: 0.3721981	total: 317ms	remaining: 1.19s
210:	learn: 0.3719212	total: 320ms	remaining: 1.2s
211:	learn: 0.3717674	total: 321ms	remaining: 1.19s
212:	learn: 0.3716722	total: 323ms	remaining: 1.19s
213:	learn: 0.3713092	total: 327ms	remaining: 1.2s
214:	learn: 0.3709834	total: 328ms	remaining: 1.2s
215:	learn: 0.3706737	total: 330ms	remaining: 1.2s
216:	learn: 0.3705502	total: 331ms	remaining: 1.19s
217:	learn: 0.3703124	total: 333ms	remaining: 1.19s
218:	learn: 0.3700832	total: 334ms	remaining: 1.19s
219:	learn: 0.3697619	total: 336ms	remaining: 1.19s
220:	learn: 0.3693968	total: 338ms	remaining: 1.19s
221:	learn: 0.3690281	total: 339ms	remaining: 1.19s
222:	learn: 0.3687856	total: 341ms	remaining: 1.19s
223:	learn: 0.3685008	total: 345ms	remaining: 1.19s
224:	learn: 0.3682537	total: 347ms	remaining: 1.19s
225:	learn: 0.3680167	total: 349ms	remaining: 1.19s
226:	learn: 0.3675853	total: 351ms	remaining: 1.19s
227:	learn: 0.3672898	total: 353ms	remaining: 1.19s
228:	learn: 0.3670515	total: 354ms	remaining: 1.19s
229:	learn: 0.3669265	total: 357ms	remaining: 1.19s
230:	learn: 0.3668634	total: 359ms	remaining: 1.2s
231:	learn: 0.3664694	total: 361ms	remaining: 1.2s
232:	learn: 0.3662497	total: 363ms	remaining: 1.2s
233:	learn: 0.3661310	total: 365ms	remaining: 1.2s
234:	learn: 0.3658097	total: 367ms	remaining: 1.19s
235:	learn: 0.3657539	total: 368ms	remaining: 1.19s
236:	learn: 0.3654582	total: 370ms	remaining: 1.19s
237:	learn: 0.3651339	total: 371ms	remaining: 1.19s
238:	learn: 0.3648937	total: 373ms	remaining: 1.19s
239:	learn: 0.3645583	total: 375ms	remaining: 1.19s
240:	learn: 0.3643508	total: 377ms	remaining: 1.19s
241:	learn: 0.3640816	total: 380ms	remaining: 1.19s
242:	learn: 0.3638171	total: 381ms	remaining: 1.19s
243:	learn: 0.3635370	total: 383ms	remaining: 1.19s
244:	learn: 0.3632662	total: 384ms	remaining: 1.18s
245:	learn: 0.3630184	total: 386ms	remaining: 1.18s
246:	learn: 0.3625362	total: 387ms	remaining: 1.18s
247:	learn: 0.3624200	total: 389ms	remaining: 1.18s
248:	learn: 0.3621019	total: 391ms	remaining: 1.18s
249:	learn: 0.3619688	total: 393ms	remaining: 1.18s
250:	learn: 0.3616753	total: 396ms	remaining: 1.18s
251:	learn: 0.3615536	total: 397ms	remaining: 1.18s
252:	learn: 0.3613944	total: 398ms	remaining: 1.18s
253:	learn: 0.3612078	total: 400ms	remaining: 1.18s
254:	learn: 0.3610581	total: 403ms	remaining: 1.18s
255:	learn: 0.3607842	total: 405ms	remaining: 1.18s
256:	learn: 0.3606072	total: 406ms	remaining: 1.17s
257:	learn: 0.3604876	total: 407ms	remaining: 1.17s
258:	learn: 0.3602884	total: 409ms	remaining: 1.17s
259:	learn: 0.3602353	total: 412ms	remaining: 1.17s
260:	learn: 0.3600041	total: 413ms	remaining: 1.17s
261:	learn: 0.3597466	total: 414ms	remaining: 1.17s
262:	learn: 0.3594413	total: 416ms	remaining: 1.16s
263:	learn: 0.3592286	total: 417ms	remaining: 1.16s
264:	learn: 0.3590810	total: 419ms	remaining: 1.16s
265:	learn: 0.3587912	total: 421ms	remaining: 1.16s
266:	learn: 0.3584478	total: 423ms	remaining: 1.16s
267:	learn: 0.3582100	total: 424ms	remaining: 1.16s
268:	learn: 0.3581380	total: 426ms	remaining: 1.16s
269:	learn: 0.3579809	total: 428ms	remaining: 1.16s
270:	learn: 0.3579250	total: 430ms	remaining: 1.16s
271:	learn: 0.3576972	total: 432ms	remaining: 1.16s
272:	learn: 0.3576095	total: 434ms	remaining: 1.15s
273:	learn: 0.3574268	total: 435ms	remaining: 1.15s
274:	learn: 0.3572057	total: 436ms	remaining: 1.15s
275:	learn: 0.3569277	total: 437ms	remaining: 1.15s
276:	learn: 0.3566909	total: 438ms	remaining: 1.14s
277:	learn: 0.3564853	total: 439ms	remaining: 1.14s
278:	learn: 0.3562068	total: 441ms	remaining: 1.14s
279:	learn: 0.3561070	total: 442ms	remaining: 1.14s
280:	learn: 0.3559586	total: 443ms	remaining: 1.13s
281:	learn: 0.3557458	total: 445ms	remaining: 1.13s
282:	learn: 0.3554378	total: 446ms	remaining: 1.13s
283:	learn: 0.3551428	total: 447ms	remaining: 1.13s
284:	learn: 0.3548431	total: 449ms	remaining: 1.13s
285:	learn: 0.3546940	total: 450ms	remaining: 1.12s
286:	learn: 0.3545353	total: 452ms	remaining: 1.12s
287:	learn: 0.3544062	total: 453ms	remaining: 1.12s
288:	learn: 0.3541948	total: 455ms	remaining: 1.12s
289:	learn: 0.3537990	total: 456ms	remaining: 1.12s
290:	learn: 0.3536517	total: 457ms	remaining: 1.11s
291:	learn: 0.3535799	total: 459ms	remaining: 1.11s
292:	learn: 0.3533856	total: 461ms	remaining: 1.11s
293:	learn: 0.3531893	total: 463ms	remaining: 1.11s
294:	learn: 0.3530907	total: 464ms	remaining: 1.11s
295:	learn: 0.3529737	total: 466ms	remaining: 1.11s
296:	learn: 0.3528434	total: 468ms	remaining: 1.11s
297:	learn: 0.3527790	total: 468ms	remaining: 1.1s
298:	learn: 0.3526130	total: 470ms	remaining: 1.1s
299:	learn: 0.3522900	total: 471ms	remaining: 1.1s
300:	learn: 0.3521331	total: 472ms	remaining: 1.1s
301:	learn: 0.3519747	total: 473ms	remaining: 1.09s
302:	learn: 0.3516795	total: 475ms	remaining: 1.09s
303:	learn: 0.3514939	total: 476ms	remaining: 1.09s
304:	learn: 0.3513314	total: 477ms	remaining: 1.09s
305:	learn: 0.3511884	total: 479ms	remaining: 1.08s
306:	learn: 0.3510266	total: 480ms	remaining: 1.08s
307:	learn: 0.3508582	total: 482ms	remaining: 1.08s
308:	learn: 0.3507157	total: 484ms	remaining: 1.08s
309:	learn: 0.3505746	total: 486ms	remaining: 1.08s
310:	learn: 0.3505254	total: 487ms	remaining: 1.08s
311:	learn: 0.3503528	total: 489ms	remaining: 1.08s
312:	learn: 0.3501979	total: 490ms	remaining: 1.08s
313:	learn: 0.3500241	total: 492ms	remaining: 1.07s
314:	learn: 0.3500163	total: 493ms	remaining: 1.07s
315:	learn: 0.3499458	total: 496ms	remaining: 1.07s
316:	learn: 0.3499384	total: 497ms	remaining: 1.07s
317:	learn: 0.3496748	total: 498ms	remaining: 1.07s
318:	learn: 0.3495031	total: 500ms	remaining: 1.07s
319:	learn: 0.3494318	total: 502ms	remaining: 1.07s
320:	learn: 0.3492968	total: 503ms	remaining: 1.06s
321:	learn: 0.3491933	total: 505ms	remaining: 1.06s
322:	learn: 0.3488833	total: 506ms	remaining: 1.06s
323:	learn: 0.3486326	total: 507ms	remaining: 1.06s
324:	learn: 0.3483697	total: 509ms	remaining: 1.06s
325:	learn: 0.3481024	total: 510ms	remaining: 1.05s
326:	learn: 0.3478639	total: 512ms	remaining: 1.05s
327:	learn: 0.3475913	total: 514ms	remaining: 1.05s
328:	learn: 0.3474438	total: 515ms	remaining: 1.05s
329:	learn: 0.3474303	total: 516ms	remaining: 1.05s
330:	learn: 0.3472574	total: 518ms	remaining: 1.05s
331:	learn: 0.3471872	total: 519ms	remaining: 1.04s
332:	learn: 0.3470049	total: 521ms	remaining: 1.04s
333:	learn: 0.3469766	total: 522ms	remaining: 1.04s
334:	learn: 0.3469488	total: 523ms	remaining: 1.04s
335:	learn: 0.3466953	total: 525ms	remaining: 1.04s
336:	learn: 0.3464754	total: 526ms	remaining: 1.03s
337:	learn: 0.3463213	total: 527ms	remaining: 1.03s
338:	learn: 0.3461882	total: 529ms	remaining: 1.03s
339:	learn: 0.3460671	total: 531ms	remaining: 1.03s
340:	learn: 0.3458293	total: 532ms	remaining: 1.03s
341:	learn: 0.3457990	total: 534ms	remaining: 1.03s
342:	learn: 0.3455172	total: 537ms	remaining: 1.03s
343:	learn: 0.3452707	total: 538ms	remaining: 1.03s
344:	learn: 0.3450478	total: 540ms	remaining: 1.02s
345:	learn: 0.3449413	total: 542ms	remaining: 1.02s
346:	learn: 0.3447703	total: 544ms	remaining: 1.02s
347:	learn: 0.3443111	total: 546ms	remaining: 1.02s
348:	learn: 0.3440413	total: 547ms	remaining: 1.02s
349:	learn: 0.3437399	total: 551ms	remaining: 1.02s
350:	learn: 0.3437028	total: 552ms	remaining: 1.02s
351:	learn: 0.3434590	total: 554ms	remaining: 1.02s
352:	learn: 0.3433081	total: 556ms	remaining: 1.02s
353:	learn: 0.3431552	total: 558ms	remaining: 1.02s
354:	learn: 0.3430410	total: 560ms	remaining: 1.02s
355:	learn: 0.3429155	total: 561ms	remaining: 1.01s
356:	learn: 0.3427369	total: 563ms	remaining: 1.01s
357:	learn: 0.3425934	total: 564ms	remaining: 1.01s
358:	learn: 0.3424947	total: 566ms	remaining: 1.01s
359:	learn: 0.3421736	total: 569ms	remaining: 1.01s
360:	learn: 0.3420665	total: 571ms	remaining: 1.01s
361:	learn: 0.3420463	total: 572ms	remaining: 1.01s
362:	learn: 0.3419774	total: 574ms	remaining: 1.01s
363:	learn: 0.3416186	total: 576ms	remaining: 1.01s
364:	learn: 0.3414065	total: 578ms	remaining: 1s
365:	learn: 0.3412306	total: 580ms	remaining: 1s
366:	learn: 0.3411431	total: 581ms	remaining: 1s
367:	learn: 0.3411078	total: 583ms	remaining: 1s
368:	learn: 0.3409034	total: 584ms	remaining: 999ms
369:	learn: 0.3406960	total: 586ms	remaining: 998ms
370:	learn: 0.3405320	total: 588ms	remaining: 996ms
371:	learn: 0.3404759	total: 589ms	remaining: 994ms
372:	learn: 0.3402581	total: 591ms	remaining: 993ms
373:	learn: 0.3399476	total: 593ms	remaining: 993ms
374:	learn: 0.3398580	total: 595ms	remaining: 992ms
375:	learn: 0.3396868	total: 597ms	remaining: 990ms
376:	learn: 0.3395904	total: 599ms	remaining: 989ms
377:	learn: 0.3394245	total: 600ms	remaining: 987ms
378:	learn: 0.3392213	total: 602ms	remaining: 986ms
379:	learn: 0.3389375	total: 603ms	remaining: 985ms
380:	learn: 0.3387340	total: 606ms	remaining: 984ms
381:	learn: 0.3386083	total: 607ms	remaining: 982ms
382:	learn: 0.3385901	total: 608ms	remaining: 979ms
383:	learn: 0.3383155	total: 611ms	remaining: 981ms
384:	learn: 0.3383148	total: 612ms	remaining: 978ms
385:	learn: 0.3382990	total: 614ms	remaining: 976ms
386:	learn: 0.3381753	total: 616ms	remaining: 976ms
387:	learn: 0.3379518	total: 618ms	remaining: 975ms
388:	learn: 0.3378261	total: 621ms	remaining: 975ms
389:	learn: 0.3376331	total: 622ms	remaining: 973ms
390:	learn: 0.3375949	total: 623ms	remaining: 971ms
391:	learn: 0.3375721	total: 625ms	remaining: 969ms
392:	learn: 0.3374638	total: 627ms	remaining: 969ms
393:	learn: 0.3373540	total: 629ms	remaining: 967ms
394:	learn: 0.3371747	total: 630ms	remaining: 965ms
395:	learn: 0.3371344	total: 631ms	remaining: 963ms
396:	learn: 0.3368887	total: 634ms	remaining: 963ms
397:	learn: 0.3367477	total: 636ms	remaining: 962ms
398:	learn: 0.3365380	total: 638ms	remaining: 961ms
399:	learn: 0.3362668	total: 640ms	remaining: 959ms
400:	learn: 0.3360859	total: 642ms	remaining: 959ms
401:	learn: 0.3359231	total: 643ms	remaining: 956ms
402:	learn: 0.3358321	total: 644ms	remaining: 954ms
403:	learn: 0.3357070	total: 646ms	remaining: 953ms
404:	learn: 0.3354859	total: 647ms	remaining: 951ms
405:	learn: 0.3353808	total: 650ms	remaining: 951ms
406:	learn: 0.3351099	total: 653ms	remaining: 951ms
407:	learn: 0.3349826	total: 654ms	remaining: 950ms
408:	learn: 0.3348759	total: 656ms	remaining: 948ms
409:	learn: 0.3346739	total: 657ms	remaining: 945ms
410:	learn: 0.3345772	total: 658ms	remaining: 943ms
411:	learn: 0.3344370	total: 659ms	remaining: 941ms
412:	learn: 0.3343761	total: 661ms	remaining: 939ms
413:	learn: 0.3342522	total: 662ms	remaining: 937ms
414:	learn: 0.3340569	total: 663ms	remaining: 935ms
415:	learn: 0.3339512	total: 665ms	remaining: 933ms
416:	learn: 0.3338585	total: 667ms	remaining: 932ms
417:	learn: 0.3337515	total: 669ms	remaining: 931ms
418:	learn: 0.3336595	total: 671ms	remaining: 930ms
419:	learn: 0.3336327	total: 672ms	remaining: 928ms
420:	learn: 0.3335275	total: 673ms	remaining: 926ms
421:	learn: 0.3334201	total: 675ms	remaining: 925ms
422:	learn: 0.3333090	total: 676ms	remaining: 923ms
423:	learn: 0.3331855	total: 678ms	remaining: 921ms
424:	learn: 0.3329212	total: 679ms	remaining: 919ms
425:	learn: 0.3328139	total: 681ms	remaining: 918ms
426:	learn: 0.3326021	total: 683ms	remaining: 916ms
427:	learn: 0.3324750	total: 684ms	remaining: 914ms
428:	learn: 0.3321943	total: 685ms	remaining: 912ms
429:	learn: 0.3321723	total: 687ms	remaining: 910ms
430:	learn: 0.3320256	total: 688ms	remaining: 909ms
431:	learn: 0.3320088	total: 690ms	remaining: 907ms
432:	learn: 0.3318406	total: 691ms	remaining: 905ms
433:	learn: 0.3316162	total: 693ms	remaining: 904ms
434:	learn: 0.3314323	total: 695ms	remaining: 902ms
435:	learn: 0.3312320	total: 696ms	remaining: 901ms
436:	learn: 0.3311416	total: 702ms	remaining: 904ms
437:	learn: 0.3310296	total: 704ms	remaining: 904ms
438:	learn: 0.3308287	total: 708ms	remaining: 905ms
439:	learn: 0.3305554	total: 711ms	remaining: 905ms
440:	learn: 0.3303955	total: 714ms	remaining: 905ms
441:	learn: 0.3302939	total: 717ms	remaining: 905ms
442:	learn: 0.3302362	total: 719ms	remaining: 904ms
443:	learn: 0.3301651	total: 721ms	remaining: 902ms
444:	learn: 0.3299737	total: 722ms	remaining: 901ms
445:	learn: 0.3298661	total: 724ms	remaining: 899ms
446:	learn: 0.3297849	total: 725ms	remaining: 897ms
447:	learn: 0.3295704	total: 727ms	remaining: 896ms
448:	learn: 0.3295258	total: 728ms	remaining: 894ms
449:	learn: 0.3294013	total: 730ms	remaining: 892ms
450:	learn: 0.3291605	total: 731ms	remaining: 890ms
451:	learn: 0.3290969	total: 733ms	remaining: 889ms
452:	learn: 0.3289994	total: 735ms	remaining: 887ms
453:	learn: 0.3287662	total: 736ms	remaining: 885ms
454:	learn: 0.3286555	total: 738ms	remaining: 883ms
455:	learn: 0.3285936	total: 739ms	remaining: 881ms
456:	learn: 0.3285212	total: 741ms	remaining: 880ms
457:	learn: 0.3284828	total: 743ms	remaining: 879ms
458:	learn: 0.3282845	total: 745ms	remaining: 878ms
459:	learn: 0.3282281	total: 747ms	remaining: 877ms
460:	learn: 0.3280678	total: 748ms	remaining: 875ms
461:	learn: 0.3279131	total: 749ms	remaining: 873ms
462:	learn: 0.3277811	total: 751ms	remaining: 871ms
463:	learn: 0.3275381	total: 753ms	remaining: 870ms
464:	learn: 0.3273620	total: 756ms	remaining: 869ms
465:	learn: 0.3270998	total: 757ms	remaining: 868ms
466:	learn: 0.3269749	total: 759ms	remaining: 866ms
467:	learn: 0.3268608	total: 761ms	remaining: 865ms
468:	learn: 0.3268263	total: 763ms	remaining: 863ms
469:	learn: 0.3267380	total: 764ms	remaining: 861ms
470:	learn: 0.3266410	total: 765ms	remaining: 860ms
471:	learn: 0.3265698	total: 766ms	remaining: 857ms
472:	learn: 0.3264848	total: 768ms	remaining: 856ms
473:	learn: 0.3263704	total: 770ms	remaining: 854ms
474:	learn: 0.3262887	total: 771ms	remaining: 852ms
475:	learn: 0.3262864	total: 771ms	remaining: 849ms
476:	learn: 0.3260815	total: 772ms	remaining: 847ms
477:	learn: 0.3259806	total: 774ms	remaining: 845ms
478:	learn: 0.3259007	total: 775ms	remaining: 843ms
479:	learn: 0.3258284	total: 776ms	remaining: 841ms
480:	learn: 0.3256894	total: 778ms	remaining: 839ms
481:	learn: 0.3253994	total: 779ms	remaining: 837ms
482:	learn: 0.3250718	total: 780ms	remaining: 835ms
483:	learn: 0.3249803	total: 782ms	remaining: 834ms
484:	learn: 0.3249010	total: 783ms	remaining: 832ms
485:	learn: 0.3248004	total: 785ms	remaining: 831ms
486:	learn: 0.3247217	total: 787ms	remaining: 829ms
487:	learn: 0.3245913	total: 789ms	remaining: 827ms
488:	learn: 0.3244548	total: 790ms	remaining: 825ms
489:	learn: 0.3244036	total: 791ms	remaining: 824ms
490:	learn: 0.3243303	total: 793ms	remaining: 822ms
491:	learn: 0.3241551	total: 794ms	remaining: 820ms
492:	learn: 0.3241248	total: 796ms	remaining: 819ms
493:	learn: 0.3239247	total: 798ms	remaining: 818ms
494:	learn: 0.3238477	total: 800ms	remaining: 817ms
495:	learn: 0.3237390	total: 802ms	remaining: 815ms
496:	learn: 0.3236844	total: 804ms	remaining: 813ms
497:	learn: 0.3235727	total: 805ms	remaining: 812ms
498:	learn: 0.3234582	total: 806ms	remaining: 809ms
499:	learn: 0.3232942	total: 808ms	remaining: 808ms
500:	learn: 0.3232926	total: 808ms	remaining: 805ms
501:	learn: 0.3231328	total: 809ms	remaining: 803ms
502:	learn: 0.3230624	total: 811ms	remaining: 801ms
503:	learn: 0.3230047	total: 813ms	remaining: 800ms
504:	learn: 0.3228037	total: 814ms	remaining: 798ms
505:	learn: 0.3227333	total: 816ms	remaining: 797ms
506:	learn: 0.3224301	total: 818ms	remaining: 795ms
507:	learn: 0.3222942	total: 820ms	remaining: 794ms
508:	learn: 0.3220341	total: 821ms	remaining: 792ms
509:	learn: 0.3217392	total: 823ms	remaining: 790ms
510:	learn: 0.3216415	total: 824ms	remaining: 788ms
511:	learn: 0.3214108	total: 825ms	remaining: 787ms
512:	learn: 0.3213908	total: 827ms	remaining: 785ms
513:	learn: 0.3213644	total: 828ms	remaining: 783ms
514:	learn: 0.3213015	total: 829ms	remaining: 781ms
515:	learn: 0.3212308	total: 831ms	remaining: 779ms
516:	learn: 0.3211754	total: 832ms	remaining: 777ms
517:	learn: 0.3211214	total: 833ms	remaining: 775ms
518:	learn: 0.3210632	total: 834ms	remaining: 773ms
519:	learn: 0.3210189	total: 836ms	remaining: 771ms
520:	learn: 0.3208799	total: 838ms	remaining: 770ms
521:	learn: 0.3208300	total: 839ms	remaining: 768ms
522:	learn: 0.3206816	total: 841ms	remaining: 767ms
523:	learn: 0.3205452	total: 842ms	remaining: 765ms
524:	learn: 0.3204347	total: 843ms	remaining: 763ms
525:	learn: 0.3203532	total: 844ms	remaining: 761ms
526:	learn: 0.3200533	total: 846ms	remaining: 759ms
527:	learn: 0.3199263	total: 847ms	remaining: 757ms
528:	learn: 0.3197868	total: 849ms	remaining: 756ms
529:	learn: 0.3197329	total: 850ms	remaining: 754ms
530:	learn: 0.3196914	total: 852ms	remaining: 752ms
531:	learn: 0.3195751	total: 853ms	remaining: 750ms
532:	learn: 0.3195599	total: 854ms	remaining: 748ms
533:	learn: 0.3194580	total: 855ms	remaining: 746ms
534:	learn: 0.3193904	total: 857ms	remaining: 744ms
535:	learn: 0.3192014	total: 858ms	remaining: 743ms
536:	learn: 0.3189800	total: 860ms	remaining: 741ms
537:	learn: 0.3189067	total: 861ms	remaining: 739ms
538:	learn: 0.3186834	total: 862ms	remaining: 737ms
539:	learn: 0.3186373	total: 863ms	remaining: 736ms
540:	learn: 0.3185915	total: 865ms	remaining: 734ms
541:	learn: 0.3184229	total: 866ms	remaining: 732ms
542:	learn: 0.3182736	total: 868ms	remaining: 730ms
543:	learn: 0.3181519	total: 870ms	remaining: 729ms
544:	learn: 0.3180943	total: 871ms	remaining: 727ms
545:	learn: 0.3178727	total: 872ms	remaining: 725ms
546:	learn: 0.3177334	total: 875ms	remaining: 724ms
547:	learn: 0.3176717	total: 877ms	remaining: 723ms
548:	learn: 0.3176306	total: 878ms	remaining: 722ms
549:	learn: 0.3175801	total: 880ms	remaining: 720ms
550:	learn: 0.3172518	total: 882ms	remaining: 719ms
551:	learn: 0.3170943	total: 884ms	remaining: 718ms
552:	learn: 0.3169712	total: 886ms	remaining: 716ms
553:	learn: 0.3168535	total: 887ms	remaining: 714ms
554:	learn: 0.3167222	total: 889ms	remaining: 713ms
555:	learn: 0.3166184	total: 890ms	remaining: 711ms
556:	learn: 0.3164489	total: 892ms	remaining: 709ms
557:	learn: 0.3162016	total: 893ms	remaining: 707ms
558:	learn: 0.3161372	total: 895ms	remaining: 706ms
559:	learn: 0.3159104	total: 896ms	remaining: 704ms
560:	learn: 0.3158525	total: 898ms	remaining: 703ms
561:	learn: 0.3157078	total: 900ms	remaining: 701ms
562:	learn: 0.3155835	total: 901ms	remaining: 700ms
563:	learn: 0.3154322	total: 902ms	remaining: 698ms
564:	learn: 0.3152708	total: 904ms	remaining: 696ms
565:	learn: 0.3152342	total: 905ms	remaining: 694ms
566:	learn: 0.3151041	total: 907ms	remaining: 692ms
567:	learn: 0.3150880	total: 908ms	remaining: 690ms
568:	learn: 0.3149350	total: 909ms	remaining: 688ms
569:	learn: 0.3147742	total: 910ms	remaining: 687ms
570:	learn: 0.3146759	total: 911ms	remaining: 685ms
571:	learn: 0.3145189	total: 912ms	remaining: 683ms
572:	learn: 0.3143916	total: 914ms	remaining: 681ms
573:	learn: 0.3142656	total: 915ms	remaining: 679ms
574:	learn: 0.3141498	total: 916ms	remaining: 677ms
575:	learn: 0.3140455	total: 918ms	remaining: 676ms
576:	learn: 0.3139179	total: 919ms	remaining: 674ms
577:	learn: 0.3138775	total: 920ms	remaining: 672ms
578:	learn: 0.3137756	total: 922ms	remaining: 670ms
579:	learn: 0.3137351	total: 923ms	remaining: 669ms
580:	learn: 0.3136580	total: 925ms	remaining: 667ms
581:	learn: 0.3134959	total: 927ms	remaining: 666ms
582:	learn: 0.3133735	total: 928ms	remaining: 664ms
583:	learn: 0.3132123	total: 930ms	remaining: 662ms
584:	learn: 0.3130047	total: 931ms	remaining: 661ms
585:	learn: 0.3129902	total: 932ms	remaining: 658ms
586:	learn: 0.3127666	total: 933ms	remaining: 657ms
587:	learn: 0.3126784	total: 935ms	remaining: 655ms
588:	learn: 0.3126118	total: 936ms	remaining: 653ms
589:	learn: 0.3124168	total: 937ms	remaining: 651ms
590:	learn: 0.3122804	total: 939ms	remaining: 650ms
591:	learn: 0.3120824	total: 940ms	remaining: 648ms
592:	learn: 0.3120316	total: 941ms	remaining: 646ms
593:	learn: 0.3119752	total: 943ms	remaining: 644ms
594:	learn: 0.3118622	total: 944ms	remaining: 643ms
595:	learn: 0.3118081	total: 946ms	remaining: 641ms
596:	learn: 0.3116264	total: 948ms	remaining: 640ms
597:	learn: 0.3115762	total: 949ms	remaining: 638ms
598:	learn: 0.3115035	total: 950ms	remaining: 636ms
599:	learn: 0.3113209	total: 953ms	remaining: 635ms
600:	learn: 0.3111960	total: 954ms	remaining: 634ms
601:	learn: 0.3111183	total: 956ms	remaining: 632ms
602:	learn: 0.3111025	total: 957ms	remaining: 630ms
603:	learn: 0.3110438	total: 959ms	remaining: 628ms
604:	learn: 0.3108982	total: 960ms	remaining: 627ms
605:	learn: 0.3108797	total: 961ms	remaining: 625ms
606:	learn: 0.3107920	total: 963ms	remaining: 623ms
607:	learn: 0.3105974	total: 964ms	remaining: 622ms
608:	learn: 0.3105504	total: 965ms	remaining: 620ms
609:	learn: 0.3104059	total: 966ms	remaining: 618ms
610:	learn: 0.3102284	total: 967ms	remaining: 616ms
611:	learn: 0.3101427	total: 969ms	remaining: 614ms
612:	learn: 0.3099327	total: 970ms	remaining: 612ms
613:	learn: 0.3098653	total: 971ms	remaining: 611ms
614:	learn: 0.3097481	total: 973ms	remaining: 609ms
615:	learn: 0.3096660	total: 974ms	remaining: 607ms
616:	learn: 0.3095560	total: 975ms	remaining: 605ms
617:	learn: 0.3093713	total: 977ms	remaining: 604ms
618:	learn: 0.3091435	total: 978ms	remaining: 602ms
619:	learn: 0.3091152	total: 980ms	remaining: 600ms
620:	learn: 0.3091070	total: 981ms	remaining: 599ms
621:	learn: 0.3089394	total: 982ms	remaining: 597ms
622:	learn: 0.3088834	total: 983ms	remaining: 595ms
623:	learn: 0.3088365	total: 984ms	remaining: 593ms
624:	learn: 0.3088003	total: 986ms	remaining: 592ms
625:	learn: 0.3087053	total: 988ms	remaining: 590ms
626:	learn: 0.3083841	total: 989ms	remaining: 588ms
627:	learn: 0.3082674	total: 990ms	remaining: 587ms
628:	learn: 0.3081226	total: 992ms	remaining: 585ms
629:	learn: 0.3081000	total: 993ms	remaining: 583ms
630:	learn: 0.3078544	total: 994ms	remaining: 581ms
631:	learn: 0.3077416	total: 995ms	remaining: 579ms
632:	learn: 0.3076313	total: 996ms	remaining: 577ms
633:	learn: 0.3075711	total: 997ms	remaining: 576ms
634:	learn: 0.3075414	total: 998ms	remaining: 574ms
635:	learn: 0.3074773	total: 999ms	remaining: 572ms
636:	learn: 0.3073793	total: 1s	remaining: 570ms
637:	learn: 0.3072099	total: 1s	remaining: 568ms
638:	learn: 0.3071945	total: 1s	remaining: 566ms
639:	learn: 0.3071283	total: 1s	remaining: 564ms
640:	learn: 0.3068842	total: 1s	remaining: 562ms
641:	learn: 0.3068359	total: 1s	remaining: 561ms
642:	learn: 0.3067282	total: 1.01s	remaining: 559ms
643:	learn: 0.3066791	total: 1.01s	remaining: 557ms
644:	learn: 0.3066182	total: 1.01s	remaining: 555ms
645:	learn: 0.3065482	total: 1.01s	remaining: 554ms
646:	learn: 0.3065019	total: 1.01s	remaining: 552ms
647:	learn: 0.3064935	total: 1.01s	remaining: 550ms
648:	learn: 0.3062924	total: 1.01s	remaining: 548ms
649:	learn: 0.3062575	total: 1.01s	remaining: 547ms
650:	learn: 0.3062004	total: 1.02s	remaining: 545ms
651:	learn: 0.3061190	total: 1.02s	remaining: 543ms
652:	learn: 0.3059520	total: 1.02s	remaining: 542ms
653:	learn: 0.3058632	total: 1.02s	remaining: 540ms
654:	learn: 0.3057670	total: 1.02s	remaining: 538ms
655:	learn: 0.3057054	total: 1.02s	remaining: 537ms
656:	learn: 0.3056712	total: 1.02s	remaining: 535ms
657:	learn: 0.3055745	total: 1.03s	remaining: 533ms
658:	learn: 0.3055212	total: 1.03s	remaining: 532ms
659:	learn: 0.3054157	total: 1.03s	remaining: 530ms
660:	learn: 0.3053240	total: 1.03s	remaining: 528ms
661:	learn: 0.3051328	total: 1.03s	remaining: 527ms
662:	learn: 0.3049685	total: 1.03s	remaining: 525ms
663:	learn: 0.3048958	total: 1.03s	remaining: 523ms
664:	learn: 0.3048892	total: 1.03s	remaining: 521ms
665:	learn: 0.3047789	total: 1.03s	remaining: 519ms
666:	learn: 0.3046645	total: 1.04s	remaining: 518ms
667:	learn: 0.3046233	total: 1.04s	remaining: 516ms
668:	learn: 0.3045225	total: 1.04s	remaining: 514ms
669:	learn: 0.3044311	total: 1.04s	remaining: 513ms
670:	learn: 0.3042723	total: 1.04s	remaining: 511ms
671:	learn: 0.3042598	total: 1.04s	remaining: 509ms
672:	learn: 0.3041180	total: 1.04s	remaining: 508ms
673:	learn: 0.3039516	total: 1.05s	remaining: 507ms
674:	learn: 0.3038788	total: 1.05s	remaining: 505ms
675:	learn: 0.3038375	total: 1.05s	remaining: 503ms
676:	learn: 0.3037791	total: 1.05s	remaining: 502ms
677:	learn: 0.3035673	total: 1.05s	remaining: 500ms
678:	learn: 0.3035075	total: 1.05s	remaining: 498ms
679:	learn: 0.3032984	total: 1.05s	remaining: 497ms
680:	learn: 0.3031859	total: 1.06s	remaining: 495ms
681:	learn: 0.3031242	total: 1.06s	remaining: 494ms
682:	learn: 0.3028591	total: 1.06s	remaining: 492ms
683:	learn: 0.3027348	total: 1.06s	remaining: 491ms
684:	learn: 0.3027054	total: 1.06s	remaining: 489ms
685:	learn: 0.3025547	total: 1.06s	remaining: 487ms
686:	learn: 0.3024740	total: 1.07s	remaining: 486ms
687:	learn: 0.3023980	total: 1.07s	remaining: 484ms
688:	learn: 0.3023540	total: 1.07s	remaining: 483ms
689:	learn: 0.3023032	total: 1.07s	remaining: 481ms
690:	learn: 0.3022274	total: 1.07s	remaining: 479ms
691:	learn: 0.3021412	total: 1.07s	remaining: 478ms
692:	learn: 0.3019171	total: 1.07s	remaining: 476ms
693:	learn: 0.3018094	total: 1.07s	remaining: 474ms
694:	learn: 0.3017387	total: 1.08s	remaining: 473ms
695:	learn: 0.3015759	total: 1.08s	remaining: 471ms
696:	learn: 0.3014899	total: 1.08s	remaining: 470ms
697:	learn: 0.3012417	total: 1.08s	remaining: 468ms
698:	learn: 0.3011053	total: 1.08s	remaining: 466ms
699:	learn: 0.3010041	total: 1.08s	remaining: 465ms
700:	learn: 0.3009020	total: 1.08s	remaining: 463ms
701:	learn: 0.3008886	total: 1.09s	remaining: 461ms
702:	learn: 0.3008117	total: 1.09s	remaining: 460ms
703:	learn: 0.3006857	total: 1.09s	remaining: 458ms
704:	learn: 0.3005019	total: 1.09s	remaining: 456ms
705:	learn: 0.3004494	total: 1.09s	remaining: 455ms
706:	learn: 0.3002907	total: 1.09s	remaining: 453ms
707:	learn: 0.3002203	total: 1.09s	remaining: 451ms
708:	learn: 0.3001166	total: 1.09s	remaining: 450ms
709:	learn: 0.3000356	total: 1.1s	remaining: 448ms
710:	learn: 0.2999635	total: 1.1s	remaining: 446ms
711:	learn: 0.2998404	total: 1.1s	remaining: 445ms
712:	learn: 0.2996926	total: 1.1s	remaining: 443ms
713:	learn: 0.2996029	total: 1.1s	remaining: 441ms
714:	learn: 0.2994514	total: 1.1s	remaining: 440ms
715:	learn: 0.2993687	total: 1.1s	remaining: 438ms
716:	learn: 0.2991301	total: 1.11s	remaining: 437ms
717:	learn: 0.2990649	total: 1.11s	remaining: 435ms
718:	learn: 0.2989574	total: 1.11s	remaining: 434ms
719:	learn: 0.2989077	total: 1.11s	remaining: 433ms
720:	learn: 0.2987391	total: 1.11s	remaining: 431ms
721:	learn: 0.2986199	total: 1.11s	remaining: 429ms
722:	learn: 0.2984683	total: 1.12s	remaining: 428ms
723:	learn: 0.2983844	total: 1.12s	remaining: 426ms
724:	learn: 0.2981736	total: 1.12s	remaining: 424ms
725:	learn: 0.2981322	total: 1.12s	remaining: 423ms
726:	learn: 0.2980637	total: 1.12s	remaining: 421ms
727:	learn: 0.2980568	total: 1.12s	remaining: 419ms
728:	learn: 0.2979685	total: 1.12s	remaining: 418ms
729:	learn: 0.2978167	total: 1.12s	remaining: 416ms
730:	learn: 0.2977397	total: 1.13s	remaining: 414ms
731:	learn: 0.2976106	total: 1.13s	remaining: 413ms
732:	learn: 0.2975696	total: 1.13s	remaining: 411ms
733:	learn: 0.2974488	total: 1.13s	remaining: 409ms
734:	learn: 0.2973692	total: 1.13s	remaining: 407ms
735:	learn: 0.2972687	total: 1.13s	remaining: 406ms
736:	learn: 0.2972261	total: 1.13s	remaining: 404ms
737:	learn: 0.2971150	total: 1.13s	remaining: 402ms
738:	learn: 0.2968214	total: 1.13s	remaining: 401ms
739:	learn: 0.2965307	total: 1.14s	remaining: 399ms
740:	learn: 0.2964236	total: 1.14s	remaining: 398ms
741:	learn: 0.2963697	total: 1.14s	remaining: 396ms
742:	learn: 0.2962990	total: 1.14s	remaining: 394ms
743:	learn: 0.2962043	total: 1.14s	remaining: 393ms
744:	learn: 0.2961225	total: 1.14s	remaining: 391ms
745:	learn: 0.2960463	total: 1.14s	remaining: 389ms
746:	learn: 0.2960067	total: 1.14s	remaining: 387ms
747:	learn: 0.2959542	total: 1.15s	remaining: 386ms
748:	learn: 0.2959493	total: 1.15s	remaining: 384ms
749:	learn: 0.2959276	total: 1.15s	remaining: 382ms
750:	learn: 0.2958156	total: 1.15s	remaining: 381ms
751:	learn: 0.2957374	total: 1.15s	remaining: 379ms
752:	learn: 0.2955956	total: 1.15s	remaining: 377ms
753:	learn: 0.2953814	total: 1.15s	remaining: 376ms
754:	learn: 0.2953537	total: 1.15s	remaining: 374ms
755:	learn: 0.2952402	total: 1.15s	remaining: 372ms
756:	learn: 0.2950820	total: 1.15s	remaining: 371ms
757:	learn: 0.2948670	total: 1.16s	remaining: 369ms
758:	learn: 0.2947803	total: 1.16s	remaining: 367ms
759:	learn: 0.2947197	total: 1.16s	remaining: 366ms
760:	learn: 0.2946039	total: 1.16s	remaining: 364ms
761:	learn: 0.2945752	total: 1.16s	remaining: 362ms
762:	learn: 0.2944319	total: 1.16s	remaining: 361ms
763:	learn: 0.2943460	total: 1.16s	remaining: 359ms
764:	learn: 0.2942851	total: 1.16s	remaining: 357ms
765:	learn: 0.2941774	total: 1.16s	remaining: 356ms
766:	learn: 0.2941618	total: 1.17s	remaining: 354ms
767:	learn: 0.2939876	total: 1.17s	remaining: 353ms
768:	learn: 0.2939831	total: 1.17s	remaining: 351ms
769:	learn: 0.2938689	total: 1.17s	remaining: 349ms
770:	learn: 0.2937455	total: 1.17s	remaining: 347ms
771:	learn: 0.2936995	total: 1.17s	remaining: 346ms
772:	learn: 0.2935591	total: 1.17s	remaining: 344ms
773:	learn: 0.2934833	total: 1.17s	remaining: 342ms
774:	learn: 0.2933069	total: 1.17s	remaining: 341ms
775:	learn: 0.2930980	total: 1.18s	remaining: 339ms
776:	learn: 0.2930874	total: 1.18s	remaining: 338ms
777:	learn: 0.2930164	total: 1.18s	remaining: 336ms
778:	learn: 0.2926572	total: 1.18s	remaining: 335ms
779:	learn: 0.2924504	total: 1.18s	remaining: 333ms
780:	learn: 0.2923878	total: 1.18s	remaining: 331ms
781:	learn: 0.2923562	total: 1.18s	remaining: 330ms
782:	learn: 0.2922628	total: 1.18s	remaining: 328ms
783:	learn: 0.2921893	total: 1.19s	remaining: 327ms
784:	learn: 0.2920943	total: 1.19s	remaining: 325ms
785:	learn: 0.2919710	total: 1.19s	remaining: 323ms
786:	learn: 0.2919356	total: 1.19s	remaining: 322ms
787:	learn: 0.2918509	total: 1.19s	remaining: 320ms
788:	learn: 0.2917015	total: 1.19s	remaining: 318ms
789:	learn: 0.2915207	total: 1.19s	remaining: 317ms
790:	learn: 0.2914281	total: 1.19s	remaining: 315ms
791:	learn: 0.2913673	total: 1.19s	remaining: 314ms
792:	learn: 0.2911888	total: 1.2s	remaining: 312ms
793:	learn: 0.2910718	total: 1.2s	remaining: 311ms
794:	learn: 0.2909448	total: 1.2s	remaining: 309ms
795:	learn: 0.2909044	total: 1.2s	remaining: 308ms
796:	learn: 0.2908588	total: 1.2s	remaining: 306ms
797:	learn: 0.2907182	total: 1.2s	remaining: 305ms
798:	learn: 0.2905878	total: 1.21s	remaining: 303ms
799:	learn: 0.2905063	total: 1.21s	remaining: 302ms
800:	learn: 0.2903410	total: 1.21s	remaining: 300ms
801:	learn: 0.2902811	total: 1.21s	remaining: 299ms
802:	learn: 0.2900324	total: 1.21s	remaining: 297ms
803:	learn: 0.2899300	total: 1.21s	remaining: 296ms
804:	learn: 0.2898550	total: 1.21s	remaining: 294ms
805:	learn: 0.2898231	total: 1.22s	remaining: 293ms
806:	learn: 0.2896795	total: 1.22s	remaining: 291ms
807:	learn: 0.2894719	total: 1.22s	remaining: 289ms
808:	learn: 0.2894198	total: 1.22s	remaining: 288ms
809:	learn: 0.2892519	total: 1.22s	remaining: 286ms
810:	learn: 0.2892264	total: 1.22s	remaining: 285ms
811:	learn: 0.2891865	total: 1.22s	remaining: 283ms
812:	learn: 0.2890588	total: 1.22s	remaining: 282ms
813:	learn: 0.2889705	total: 1.23s	remaining: 280ms
814:	learn: 0.2888434	total: 1.23s	remaining: 278ms
815:	learn: 0.2887027	total: 1.23s	remaining: 277ms
816:	learn: 0.2885907	total: 1.23s	remaining: 275ms
817:	learn: 0.2885376	total: 1.23s	remaining: 274ms
818:	learn: 0.2884375	total: 1.23s	remaining: 272ms
819:	learn: 0.2881498	total: 1.23s	remaining: 271ms
820:	learn: 0.2880145	total: 1.24s	remaining: 270ms
821:	learn: 0.2878122	total: 1.24s	remaining: 268ms
822:	learn: 0.2877643	total: 1.24s	remaining: 267ms
823:	learn: 0.2876584	total: 1.24s	remaining: 265ms
824:	learn: 0.2875905	total: 1.24s	remaining: 264ms
825:	learn: 0.2875075	total: 1.24s	remaining: 262ms
826:	learn: 0.2873889	total: 1.25s	remaining: 261ms
827:	learn: 0.2871846	total: 1.25s	remaining: 259ms
828:	learn: 0.2870342	total: 1.25s	remaining: 257ms
829:	learn: 0.2868281	total: 1.25s	remaining: 256ms
830:	learn: 0.2866526	total: 1.25s	remaining: 254ms
831:	learn: 0.2865069	total: 1.25s	remaining: 253ms
832:	learn: 0.2864924	total: 1.25s	remaining: 251ms
833:	learn: 0.2864554	total: 1.25s	remaining: 250ms
834:	learn: 0.2864354	total: 1.25s	remaining: 248ms
835:	learn: 0.2862339	total: 1.26s	remaining: 247ms
836:	learn: 0.2861806	total: 1.26s	remaining: 245ms
837:	learn: 0.2860240	total: 1.26s	remaining: 243ms
838:	learn: 0.2859968	total: 1.26s	remaining: 242ms
839:	learn: 0.2857884	total: 1.26s	remaining: 240ms
840:	learn: 0.2857513	total: 1.26s	remaining: 239ms
841:	learn: 0.2856462	total: 1.26s	remaining: 237ms
842:	learn: 0.2855481	total: 1.26s	remaining: 236ms
843:	learn: 0.2855162	total: 1.27s	remaining: 234ms
844:	learn: 0.2853276	total: 1.27s	remaining: 233ms
845:	learn: 0.2851740	total: 1.27s	remaining: 231ms
846:	learn: 0.2850548	total: 1.27s	remaining: 230ms
847:	learn: 0.2848946	total: 1.27s	remaining: 228ms
848:	learn: 0.2848223	total: 1.27s	remaining: 226ms
849:	learn: 0.2847101	total: 1.27s	remaining: 225ms
850:	learn: 0.2846098	total: 1.27s	remaining: 223ms
851:	learn: 0.2845077	total: 1.28s	remaining: 222ms
852:	learn: 0.2842285	total: 1.28s	remaining: 220ms
853:	learn: 0.2841019	total: 1.28s	remaining: 219ms
854:	learn: 0.2840764	total: 1.28s	remaining: 217ms
855:	learn: 0.2840546	total: 1.28s	remaining: 215ms
856:	learn: 0.2838368	total: 1.28s	remaining: 214ms
857:	learn: 0.2838193	total: 1.28s	remaining: 212ms
858:	learn: 0.2837010	total: 1.28s	remaining: 211ms
859:	learn: 0.2835217	total: 1.28s	remaining: 209ms
860:	learn: 0.2834199	total: 1.28s	remaining: 208ms
861:	learn: 0.2831967	total: 1.29s	remaining: 206ms
862:	learn: 0.2831550	total: 1.29s	remaining: 204ms
863:	learn: 0.2830680	total: 1.29s	remaining: 203ms
864:	learn: 0.2828635	total: 1.29s	remaining: 201ms
865:	learn: 0.2827492	total: 1.29s	remaining: 200ms
866:	learn: 0.2826295	total: 1.29s	remaining: 198ms
867:	learn: 0.2825745	total: 1.29s	remaining: 197ms
868:	learn: 0.2825204	total: 1.29s	remaining: 195ms
869:	learn: 0.2824208	total: 1.29s	remaining: 194ms
870:	learn: 0.2823618	total: 1.3s	remaining: 192ms
871:	learn: 0.2822951	total: 1.3s	remaining: 190ms
872:	learn: 0.2821804	total: 1.3s	remaining: 189ms
873:	learn: 0.2820242	total: 1.3s	remaining: 187ms
874:	learn: 0.2818408	total: 1.3s	remaining: 186ms
875:	learn: 0.2817116	total: 1.3s	remaining: 184ms
876:	learn: 0.2816687	total: 1.3s	remaining: 183ms
877:	learn: 0.2814069	total: 1.3s	remaining: 181ms
878:	learn: 0.2812249	total: 1.3s	remaining: 180ms
879:	learn: 0.2811125	total: 1.3s	remaining: 178ms
880:	learn: 0.2808448	total: 1.31s	remaining: 177ms
881:	learn: 0.2806913	total: 1.31s	remaining: 175ms
882:	learn: 0.2805377	total: 1.31s	remaining: 173ms
883:	learn: 0.2804730	total: 1.31s	remaining: 172ms
884:	learn: 0.2804299	total: 1.31s	remaining: 170ms
885:	learn: 0.2803484	total: 1.31s	remaining: 169ms
886:	learn: 0.2802840	total: 1.31s	remaining: 167ms
887:	learn: 0.2802048	total: 1.31s	remaining: 166ms
888:	learn: 0.2800801	total: 1.32s	remaining: 164ms
889:	learn: 0.2800525	total: 1.32s	remaining: 163ms
890:	learn: 0.2798943	total: 1.32s	remaining: 161ms
891:	learn: 0.2797676	total: 1.32s	remaining: 160ms
892:	learn: 0.2797320	total: 1.32s	remaining: 158ms
893:	learn: 0.2796454	total: 1.32s	remaining: 157ms
894:	learn: 0.2796144	total: 1.32s	remaining: 155ms
895:	learn: 0.2795875	total: 1.33s	remaining: 154ms
896:	learn: 0.2794863	total: 1.33s	remaining: 152ms
897:	learn: 0.2793510	total: 1.33s	remaining: 151ms
898:	learn: 0.2792927	total: 1.33s	remaining: 149ms
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899:	learn: 0.2792218	total: 1.33s	remaining: 148ms
900:	learn: 0.2790043	total: 1.33s	remaining: 146ms
901:	learn: 0.2789263	total: 1.33s	remaining: 145ms
902:	learn: 0.2788437	total: 1.33s	remaining: 143ms
903:	learn: 0.2787419	total: 1.34s	remaining: 142ms
904:	learn: 0.2786998	total: 1.34s	remaining: 141ms
905:	learn: 0.2785328	total: 1.34s	remaining: 139ms
906:	learn: 0.2784495	total: 1.34s	remaining: 138ms
907:	learn: 0.2783789	total: 1.34s	remaining: 136ms
908:	learn: 0.2781488	total: 1.34s	remaining: 135ms
909:	learn: 0.2780805	total: 1.35s	remaining: 133ms
910:	learn: 0.2780132	total: 1.35s	remaining: 132ms
911:	learn: 0.2778574	total: 1.35s	remaining: 130ms
912:	learn: 0.2777139	total: 1.35s	remaining: 129ms
913:	learn: 0.2775946	total: 1.35s	remaining: 127ms
914:	learn: 0.2774796	total: 1.35s	remaining: 126ms
915:	learn: 0.2773390	total: 1.35s	remaining: 124ms
916:	learn: 0.2772602	total: 1.35s	remaining: 123ms
917:	learn: 0.2772213	total: 1.36s	remaining: 121ms
918:	learn: 0.2771148	total: 1.36s	remaining: 120ms
919:	learn: 0.2770238	total: 1.36s	remaining: 118ms
920:	learn: 0.2769184	total: 1.36s	remaining: 117ms
921:	learn: 0.2768197	total: 1.36s	remaining: 115ms
922:	learn: 0.2767077	total: 1.36s	remaining: 114ms
923:	learn: 0.2765504	total: 1.36s	remaining: 112ms
924:	learn: 0.2764513	total: 1.36s	remaining: 111ms
925:	learn: 0.2764073	total: 1.37s	remaining: 109ms
926:	learn: 0.2763099	total: 1.37s	remaining: 108ms
927:	learn: 0.2762448	total: 1.37s	remaining: 106ms
928:	learn: 0.2761309	total: 1.37s	remaining: 105ms
929:	learn: 0.2761128	total: 1.37s	remaining: 103ms
930:	learn: 0.2759837	total: 1.37s	remaining: 102ms
931:	learn: 0.2759300	total: 1.38s	remaining: 100ms
932:	learn: 0.2758425	total: 1.38s	remaining: 99ms
933:	learn: 0.2757389	total: 1.38s	remaining: 97.6ms
934:	learn: 0.2756831	total: 1.38s	remaining: 96.3ms
935:	learn: 0.2756318	total: 1.39s	remaining: 94.8ms
936:	learn: 0.2755359	total: 1.39s	remaining: 93.3ms
937:	learn: 0.2754243	total: 1.39s	remaining: 91.8ms
938:	learn: 0.2753836	total: 1.39s	remaining: 90.3ms
939:	learn: 0.2753634	total: 1.39s	remaining: 88.8ms
940:	learn: 0.2751481	total: 1.39s	remaining: 87.3ms
941:	learn: 0.2750398	total: 1.39s	remaining: 85.8ms
942:	learn: 0.2749574	total: 1.39s	remaining: 84.3ms
943:	learn: 0.2749185	total: 1.4s	remaining: 82.8ms
944:	learn: 0.2747569	total: 1.4s	remaining: 81.3ms
945:	learn: 0.2746904	total: 1.4s	remaining: 79.8ms
946:	learn: 0.2746389	total: 1.4s	remaining: 78.4ms
947:	learn: 0.2745153	total: 1.4s	remaining: 77ms
948:	learn: 0.2743404	total: 1.41s	remaining: 75.6ms
949:	learn: 0.2742543	total: 1.41s	remaining: 74.1ms
950:	learn: 0.2741030	total: 1.41s	remaining: 72.6ms
951:	learn: 0.2740529	total: 1.41s	remaining: 71.1ms
952:	learn: 0.2739489	total: 1.41s	remaining: 69.6ms
953:	learn: 0.2739113	total: 1.41s	remaining: 68.1ms
954:	learn: 0.2738736	total: 1.41s	remaining: 66.6ms
955:	learn: 0.2738292	total: 1.41s	remaining: 65.1ms
956:	learn: 0.2737795	total: 1.42s	remaining: 63.6ms
957:	learn: 0.2736460	total: 1.42s	remaining: 62.1ms
958:	learn: 0.2735819	total: 1.42s	remaining: 60.6ms
959:	learn: 0.2734369	total: 1.42s	remaining: 59.1ms
960:	learn: 0.2733214	total: 1.42s	remaining: 57.6ms
961:	learn: 0.2731804	total: 1.42s	remaining: 56.2ms
962:	learn: 0.2731074	total: 1.42s	remaining: 54.7ms
963:	learn: 0.2729551	total: 1.42s	remaining: 53.2ms
964:	learn: 0.2727924	total: 1.43s	remaining: 51.7ms
965:	learn: 0.2727373	total: 1.43s	remaining: 50.2ms
966:	learn: 0.2726714	total: 1.43s	remaining: 48.7ms
967:	learn: 0.2726189	total: 1.43s	remaining: 47.3ms
968:	learn: 0.2725352	total: 1.43s	remaining: 45.8ms
969:	learn: 0.2724914	total: 1.43s	remaining: 44.3ms
970:	learn: 0.2723580	total: 1.43s	remaining: 42.8ms
971:	learn: 0.2723038	total: 1.44s	remaining: 41.3ms
972:	learn: 0.2722158	total: 1.44s	remaining: 39.9ms
973:	learn: 0.2720550	total: 1.44s	remaining: 38.4ms
974:	learn: 0.2719136	total: 1.44s	remaining: 36.9ms
975:	learn: 0.2718534	total: 1.44s	remaining: 35.4ms
976:	learn: 0.2717702	total: 1.44s	remaining: 34ms
977:	learn: 0.2717359	total: 1.44s	remaining: 32.5ms
978:	learn: 0.2715795	total: 1.45s	remaining: 31ms
979:	learn: 0.2715041	total: 1.45s	remaining: 29.5ms
980:	learn: 0.2713354	total: 1.45s	remaining: 28ms
981:	learn: 0.2711542	total: 1.45s	remaining: 26.6ms
982:	learn: 0.2711222	total: 1.45s	remaining: 25.1ms
983:	learn: 0.2708870	total: 1.45s	remaining: 23.6ms
984:	learn: 0.2708274	total: 1.45s	remaining: 22.1ms
985:	learn: 0.2706294	total: 1.45s	remaining: 20.6ms
986:	learn: 0.2705418	total: 1.45s	remaining: 19.2ms
987:	learn: 0.2704861	total: 1.46s	remaining: 17.7ms
988:	learn: 0.2703693	total: 1.46s	remaining: 16.2ms
989:	learn: 0.2701897	total: 1.46s	remaining: 14.7ms
990:	learn: 0.2699013	total: 1.46s	remaining: 13.2ms
991:	learn: 0.2698496	total: 1.46s	remaining: 11.8ms
992:	learn: 0.2696615	total: 1.46s	remaining: 10.3ms
993:	learn: 0.2694552	total: 1.46s	remaining: 8.82ms
994:	learn: 0.2694143	total: 1.46s	remaining: 7.35ms
995:	learn: 0.2693065	total: 1.46s	remaining: 5.88ms
996:	learn: 0.2692690	total: 1.46s	remaining: 4.41ms
997:	learn: 0.2691847	total: 1.47s	remaining: 2.94ms
998:	learn: 0.2691536	total: 1.47s	remaining: 1.47ms
999:	learn: 0.2690647	total: 1.47s	remaining: 0us
Learning rate set to 0.009376
0:	learn: 0.6868418	total: 1.08ms	remaining: 1.08s
1:	learn: 0.6833874	total: 2ms	remaining: 996ms
2:	learn: 0.6778946	total: 3.33ms	remaining: 1.1s
3:	learn: 0.6722853	total: 4.51ms	remaining: 1.12s
4:	learn: 0.6661454	total: 5.72ms	remaining: 1.14s
5:	learn: 0.6609535	total: 6.92ms	remaining: 1.15s
6:	learn: 0.6563493	total: 7.76ms	remaining: 1.1s
7:	learn: 0.6504827	total: 8.91ms	remaining: 1.1s
8:	learn: 0.6453381	total: 10.1ms	remaining: 1.12s
9:	learn: 0.6401435	total: 11.1ms	remaining: 1.1s
10:	learn: 0.6347958	total: 12ms	remaining: 1.07s
11:	learn: 0.6297882	total: 13ms	remaining: 1.07s
12:	learn: 0.6250768	total: 14ms	remaining: 1.06s
13:	learn: 0.6198854	total: 14.9ms	remaining: 1.05s
14:	learn: 0.6149200	total: 16.1ms	remaining: 1.05s
15:	learn: 0.6103136	total: 17.1ms	remaining: 1.05s
16:	learn: 0.6064423	total: 18.2ms	remaining: 1.05s
17:	learn: 0.6025036	total: 19ms	remaining: 1.03s
18:	learn: 0.5984738	total: 20.4ms	remaining: 1.05s
19:	learn: 0.5939983	total: 21.8ms	remaining: 1.07s
20:	learn: 0.5902513	total: 22.8ms	remaining: 1.06s
21:	learn: 0.5861924	total: 24.7ms	remaining: 1.1s
22:	learn: 0.5821795	total: 28.1ms	remaining: 1.19s
23:	learn: 0.5781972	total: 29.5ms	remaining: 1.2s
24:	learn: 0.5741477	total: 30.8ms	remaining: 1.2s
25:	learn: 0.5702324	total: 32ms	remaining: 1.2s
26:	learn: 0.5665443	total: 33.5ms	remaining: 1.21s
27:	learn: 0.5625390	total: 34.7ms	remaining: 1.21s
28:	learn: 0.5586521	total: 35.9ms	remaining: 1.2s
29:	learn: 0.5556757	total: 37.2ms	remaining: 1.2s
30:	learn: 0.5521075	total: 38.1ms	remaining: 1.19s
31:	learn: 0.5493518	total: 38.6ms	remaining: 1.17s
32:	learn: 0.5463005	total: 39.4ms	remaining: 1.15s
33:	learn: 0.5436384	total: 40.1ms	remaining: 1.14s
34:	learn: 0.5408573	total: 41ms	remaining: 1.13s
35:	learn: 0.5377949	total: 41.8ms	remaining: 1.12s
36:	learn: 0.5355091	total: 42.5ms	remaining: 1.1s
37:	learn: 0.5322826	total: 43.2ms	remaining: 1.09s
38:	learn: 0.5294978	total: 44ms	remaining: 1.08s
39:	learn: 0.5269069	total: 44.8ms	remaining: 1.07s
40:	learn: 0.5244387	total: 45.5ms	remaining: 1.06s
41:	learn: 0.5231284	total: 45.9ms	remaining: 1.05s
42:	learn: 0.5210487	total: 46.7ms	remaining: 1.04s
43:	learn: 0.5191503	total: 47.2ms	remaining: 1.02s
44:	learn: 0.5166341	total: 47.9ms	remaining: 1.02s
45:	learn: 0.5143165	total: 48.8ms	remaining: 1.01s
46:	learn: 0.5117222	total: 49.5ms	remaining: 1s
47:	learn: 0.5092299	total: 50.4ms	remaining: 999ms
48:	learn: 0.5073194	total: 50.9ms	remaining: 989ms
49:	learn: 0.5048033	total: 51.7ms	remaining: 982ms
50:	learn: 0.5027922	total: 52.6ms	remaining: 978ms
51:	learn: 0.5005141	total: 53.3ms	remaining: 973ms
52:	learn: 0.4983213	total: 54.2ms	remaining: 968ms
53:	learn: 0.4963725	total: 55ms	remaining: 963ms
54:	learn: 0.4940487	total: 56.1ms	remaining: 964ms
55:	learn: 0.4921146	total: 57.2ms	remaining: 964ms
56:	learn: 0.4902801	total: 58ms	remaining: 960ms
57:	learn: 0.4884100	total: 58.8ms	remaining: 956ms
58:	learn: 0.4865410	total: 59.8ms	remaining: 954ms
59:	learn: 0.4846724	total: 60.7ms	remaining: 950ms
60:	learn: 0.4823885	total: 61.5ms	remaining: 946ms
61:	learn: 0.4810172	total: 62.1ms	remaining: 940ms
62:	learn: 0.4793027	total: 62.9ms	remaining: 936ms
63:	learn: 0.4771602	total: 64.8ms	remaining: 948ms
64:	learn: 0.4755174	total: 65.7ms	remaining: 945ms
65:	learn: 0.4738666	total: 67ms	remaining: 949ms
66:	learn: 0.4722676	total: 69ms	remaining: 961ms
67:	learn: 0.4703990	total: 70.3ms	remaining: 963ms
68:	learn: 0.4692707	total: 71.6ms	remaining: 966ms
69:	learn: 0.4674791	total: 72.7ms	remaining: 966ms
70:	learn: 0.4659071	total: 73.8ms	remaining: 965ms
71:	learn: 0.4641111	total: 75.7ms	remaining: 976ms
72:	learn: 0.4626425	total: 76.8ms	remaining: 975ms
73:	learn: 0.4609301	total: 78.1ms	remaining: 978ms
74:	learn: 0.4594530	total: 79.9ms	remaining: 986ms
75:	learn: 0.4582145	total: 81.3ms	remaining: 988ms
76:	learn: 0.4565713	total: 82.4ms	remaining: 988ms
77:	learn: 0.4551090	total: 83.6ms	remaining: 988ms
78:	learn: 0.4539982	total: 84.7ms	remaining: 988ms
79:	learn: 0.4532299	total: 86ms	remaining: 989ms
80:	learn: 0.4517586	total: 87.3ms	remaining: 990ms
81:	learn: 0.4508111	total: 88.4ms	remaining: 990ms
82:	learn: 0.4493661	total: 89.7ms	remaining: 991ms
83:	learn: 0.4478718	total: 91ms	remaining: 992ms
84:	learn: 0.4466388	total: 92.5ms	remaining: 996ms
85:	learn: 0.4456641	total: 93.8ms	remaining: 997ms
86:	learn: 0.4443949	total: 95.8ms	remaining: 1s
87:	learn: 0.4433718	total: 97.1ms	remaining: 1.01s
88:	learn: 0.4421569	total: 98.5ms	remaining: 1.01s
89:	learn: 0.4412868	total: 100ms	remaining: 1.01s
90:	learn: 0.4405842	total: 101ms	remaining: 1.01s
91:	learn: 0.4395914	total: 103ms	remaining: 1.01s
92:	learn: 0.4385550	total: 104ms	remaining: 1.02s
93:	learn: 0.4373069	total: 106ms	remaining: 1.02s
94:	learn: 0.4363303	total: 107ms	remaining: 1.02s
95:	learn: 0.4351226	total: 108ms	remaining: 1.02s
96:	learn: 0.4340271	total: 109ms	remaining: 1.02s
97:	learn: 0.4328179	total: 110ms	remaining: 1.01s
98:	learn: 0.4321442	total: 112ms	remaining: 1.01s
99:	learn: 0.4311071	total: 113ms	remaining: 1.01s
100:	learn: 0.4299818	total: 114ms	remaining: 1.02s
101:	learn: 0.4291727	total: 115ms	remaining: 1.01s
102:	learn: 0.4281983	total: 117ms	remaining: 1.02s
103:	learn: 0.4271798	total: 118ms	remaining: 1.01s
104:	learn: 0.4261734	total: 119ms	remaining: 1.01s
105:	learn: 0.4253771	total: 120ms	remaining: 1.01s
106:	learn: 0.4243168	total: 121ms	remaining: 1.01s
107:	learn: 0.4235933	total: 122ms	remaining: 1.01s
108:	learn: 0.4227440	total: 123ms	remaining: 1.01s
109:	learn: 0.4218945	total: 124ms	remaining: 1s
110:	learn: 0.4210675	total: 125ms	remaining: 1s
111:	learn: 0.4201735	total: 126ms	remaining: 1s
112:	learn: 0.4196209	total: 127ms	remaining: 999ms
113:	learn: 0.4190704	total: 129ms	remaining: 1000ms
114:	learn: 0.4183985	total: 130ms	remaining: 998ms
115:	learn: 0.4176900	total: 131ms	remaining: 998ms
116:	learn: 0.4168325	total: 132ms	remaining: 997ms
117:	learn: 0.4161617	total: 133ms	remaining: 997ms
118:	learn: 0.4154302	total: 135ms	remaining: 997ms
119:	learn: 0.4149264	total: 136ms	remaining: 1s
120:	learn: 0.4144560	total: 138ms	remaining: 1s
121:	learn: 0.4135552	total: 139ms	remaining: 1s
122:	learn: 0.4129040	total: 140ms	remaining: 999ms
123:	learn: 0.4121927	total: 141ms	remaining: 997ms
124:	learn: 0.4114572	total: 142ms	remaining: 997ms
125:	learn: 0.4110656	total: 144ms	remaining: 997ms
126:	learn: 0.4105097	total: 145ms	remaining: 995ms
127:	learn: 0.4098757	total: 146ms	remaining: 993ms
128:	learn: 0.4090820	total: 147ms	remaining: 991ms
129:	learn: 0.4082733	total: 148ms	remaining: 992ms
130:	learn: 0.4079533	total: 150ms	remaining: 992ms
131:	learn: 0.4074202	total: 151ms	remaining: 990ms
132:	learn: 0.4068692	total: 152ms	remaining: 989ms
133:	learn: 0.4062567	total: 153ms	remaining: 988ms
134:	learn: 0.4056914	total: 154ms	remaining: 987ms
135:	learn: 0.4054585	total: 155ms	remaining: 985ms
136:	learn: 0.4048329	total: 156ms	remaining: 984ms
137:	learn: 0.4042419	total: 158ms	remaining: 985ms
138:	learn: 0.4035450	total: 159ms	remaining: 985ms
139:	learn: 0.4029517	total: 160ms	remaining: 984ms
140:	learn: 0.4025628	total: 161ms	remaining: 982ms
141:	learn: 0.4020883	total: 163ms	remaining: 984ms
142:	learn: 0.4017375	total: 164ms	remaining: 982ms
143:	learn: 0.4010776	total: 165ms	remaining: 981ms
144:	learn: 0.4006418	total: 167ms	remaining: 982ms
145:	learn: 0.4001213	total: 168ms	remaining: 982ms
146:	learn: 0.3999533	total: 169ms	remaining: 980ms
147:	learn: 0.3994422	total: 171ms	remaining: 982ms
148:	learn: 0.3988710	total: 172ms	remaining: 983ms
149:	learn: 0.3986388	total: 173ms	remaining: 981ms
150:	learn: 0.3980231	total: 174ms	remaining: 979ms
151:	learn: 0.3972955	total: 176ms	remaining: 980ms
152:	learn: 0.3968310	total: 178ms	remaining: 985ms
153:	learn: 0.3962581	total: 179ms	remaining: 985ms
154:	learn: 0.3957318	total: 181ms	remaining: 987ms
155:	learn: 0.3952827	total: 182ms	remaining: 987ms
156:	learn: 0.3949733	total: 184ms	remaining: 988ms
157:	learn: 0.3944529	total: 186ms	remaining: 992ms
158:	learn: 0.3941287	total: 188ms	remaining: 994ms
159:	learn: 0.3939580	total: 188ms	remaining: 990ms
160:	learn: 0.3934483	total: 189ms	remaining: 987ms
161:	learn: 0.3929828	total: 191ms	remaining: 987ms
162:	learn: 0.3926407	total: 193ms	remaining: 989ms
163:	learn: 0.3922913	total: 194ms	remaining: 991ms
164:	learn: 0.3919307	total: 196ms	remaining: 990ms
165:	learn: 0.3917083	total: 197ms	remaining: 989ms
166:	learn: 0.3913878	total: 198ms	remaining: 988ms
167:	learn: 0.3910749	total: 200ms	remaining: 989ms
168:	learn: 0.3908524	total: 201ms	remaining: 989ms
169:	learn: 0.3904942	total: 203ms	remaining: 990ms
170:	learn: 0.3901446	total: 204ms	remaining: 990ms
171:	learn: 0.3900313	total: 205ms	remaining: 988ms
172:	learn: 0.3896782	total: 207ms	remaining: 989ms
173:	learn: 0.3892403	total: 208ms	remaining: 989ms
174:	learn: 0.3888249	total: 210ms	remaining: 988ms
175:	learn: 0.3884002	total: 211ms	remaining: 988ms
176:	learn: 0.3881436	total: 213ms	remaining: 990ms
177:	learn: 0.3878338	total: 214ms	remaining: 990ms
178:	learn: 0.3876495	total: 215ms	remaining: 988ms
179:	learn: 0.3873303	total: 217ms	remaining: 989ms
180:	learn: 0.3869033	total: 219ms	remaining: 991ms
181:	learn: 0.3867959	total: 220ms	remaining: 990ms
182:	learn: 0.3865854	total: 222ms	remaining: 993ms
183:	learn: 0.3861414	total: 224ms	remaining: 993ms
184:	learn: 0.3859599	total: 226ms	remaining: 994ms
185:	learn: 0.3856996	total: 227ms	remaining: 993ms
186:	learn: 0.3854490	total: 228ms	remaining: 992ms
187:	learn: 0.3852192	total: 230ms	remaining: 993ms
188:	learn: 0.3847951	total: 231ms	remaining: 992ms
189:	learn: 0.3844383	total: 232ms	remaining: 991ms
190:	learn: 0.3842687	total: 234ms	remaining: 993ms
191:	learn: 0.3841110	total: 236ms	remaining: 993ms
192:	learn: 0.3836342	total: 238ms	remaining: 993ms
193:	learn: 0.3833373	total: 239ms	remaining: 994ms
194:	learn: 0.3832138	total: 240ms	remaining: 992ms
195:	learn: 0.3828691	total: 242ms	remaining: 993ms
196:	learn: 0.3825975	total: 245ms	remaining: 997ms
197:	learn: 0.3824526	total: 246ms	remaining: 998ms
198:	learn: 0.3821051	total: 248ms	remaining: 1000ms
199:	learn: 0.3820532	total: 250ms	remaining: 998ms
200:	learn: 0.3818785	total: 251ms	remaining: 997ms
201:	learn: 0.3816946	total: 252ms	remaining: 995ms
202:	learn: 0.3815106	total: 253ms	remaining: 993ms
203:	learn: 0.3812844	total: 255ms	remaining: 995ms
204:	learn: 0.3810598	total: 257ms	remaining: 995ms
205:	learn: 0.3808927	total: 258ms	remaining: 994ms
206:	learn: 0.3808118	total: 259ms	remaining: 993ms
207:	learn: 0.3805271	total: 261ms	remaining: 992ms
208:	learn: 0.3802089	total: 262ms	remaining: 991ms
209:	learn: 0.3799358	total: 263ms	remaining: 991ms
210:	learn: 0.3798143	total: 264ms	remaining: 988ms
211:	learn: 0.3796071	total: 266ms	remaining: 988ms
212:	learn: 0.3792689	total: 267ms	remaining: 987ms
213:	learn: 0.3790115	total: 268ms	remaining: 985ms
214:	learn: 0.3787493	total: 270ms	remaining: 984ms
215:	learn: 0.3784314	total: 271ms	remaining: 983ms
216:	learn: 0.3781812	total: 272ms	remaining: 982ms
217:	learn: 0.3778044	total: 274ms	remaining: 981ms
218:	learn: 0.3775395	total: 275ms	remaining: 981ms
219:	learn: 0.3773462	total: 276ms	remaining: 980ms
220:	learn: 0.3770653	total: 278ms	remaining: 979ms
221:	learn: 0.3768573	total: 279ms	remaining: 978ms
222:	learn: 0.3767024	total: 282ms	remaining: 981ms
223:	learn: 0.3765082	total: 283ms	remaining: 982ms
224:	learn: 0.3763845	total: 285ms	remaining: 981ms
225:	learn: 0.3762752	total: 286ms	remaining: 980ms
226:	learn: 0.3760818	total: 288ms	remaining: 980ms
227:	learn: 0.3757565	total: 289ms	remaining: 979ms
228:	learn: 0.3755732	total: 290ms	remaining: 978ms
229:	learn: 0.3753794	total: 292ms	remaining: 977ms
230:	learn: 0.3751203	total: 293ms	remaining: 975ms
231:	learn: 0.3748903	total: 295ms	remaining: 976ms
232:	learn: 0.3746274	total: 296ms	remaining: 975ms
233:	learn: 0.3744724	total: 298ms	remaining: 974ms
234:	learn: 0.3742725	total: 299ms	remaining: 973ms
235:	learn: 0.3740056	total: 300ms	remaining: 973ms
236:	learn: 0.3739585	total: 301ms	remaining: 970ms
237:	learn: 0.3736864	total: 303ms	remaining: 972ms
238:	learn: 0.3735111	total: 305ms	remaining: 972ms
239:	learn: 0.3732864	total: 307ms	remaining: 971ms
240:	learn: 0.3729093	total: 308ms	remaining: 970ms
241:	learn: 0.3727459	total: 309ms	remaining: 969ms
242:	learn: 0.3724880	total: 311ms	remaining: 968ms
243:	learn: 0.3722068	total: 312ms	remaining: 968ms
244:	learn: 0.3718778	total: 314ms	remaining: 967ms
245:	learn: 0.3716026	total: 315ms	remaining: 966ms
246:	learn: 0.3714075	total: 316ms	remaining: 965ms
247:	learn: 0.3710729	total: 317ms	remaining: 963ms
248:	learn: 0.3708897	total: 320ms	remaining: 964ms
249:	learn: 0.3705598	total: 321ms	remaining: 964ms
250:	learn: 0.3703909	total: 323ms	remaining: 965ms
251:	learn: 0.3702878	total: 325ms	remaining: 964ms
252:	learn: 0.3700964	total: 326ms	remaining: 963ms
253:	learn: 0.3699277	total: 327ms	remaining: 962ms
254:	learn: 0.3696494	total: 329ms	remaining: 960ms
255:	learn: 0.3695550	total: 330ms	remaining: 959ms
256:	learn: 0.3692766	total: 331ms	remaining: 958ms
257:	learn: 0.3690990	total: 333ms	remaining: 956ms
258:	learn: 0.3689726	total: 334ms	remaining: 955ms
259:	learn: 0.3687919	total: 335ms	remaining: 953ms
260:	learn: 0.3686723	total: 336ms	remaining: 952ms
261:	learn: 0.3685393	total: 337ms	remaining: 950ms
262:	learn: 0.3683342	total: 339ms	remaining: 949ms
263:	learn: 0.3680452	total: 341ms	remaining: 951ms
264:	learn: 0.3679023	total: 343ms	remaining: 950ms
265:	learn: 0.3676636	total: 344ms	remaining: 948ms
266:	learn: 0.3674166	total: 345ms	remaining: 947ms
267:	learn: 0.3673023	total: 346ms	remaining: 946ms
268:	learn: 0.3670504	total: 348ms	remaining: 945ms
269:	learn: 0.3667041	total: 349ms	remaining: 944ms
270:	learn: 0.3666046	total: 350ms	remaining: 943ms
271:	learn: 0.3662579	total: 352ms	remaining: 942ms
272:	learn: 0.3661017	total: 354ms	remaining: 942ms
273:	learn: 0.3657241	total: 355ms	remaining: 941ms
274:	learn: 0.3652990	total: 356ms	remaining: 940ms
275:	learn: 0.3651169	total: 358ms	remaining: 939ms
276:	learn: 0.3649094	total: 359ms	remaining: 938ms
277:	learn: 0.3647562	total: 361ms	remaining: 936ms
278:	learn: 0.3647129	total: 361ms	remaining: 934ms
279:	learn: 0.3646271	total: 362ms	remaining: 932ms
280:	learn: 0.3644828	total: 364ms	remaining: 930ms
281:	learn: 0.3641947	total: 365ms	remaining: 930ms
282:	learn: 0.3640307	total: 367ms	remaining: 930ms
283:	learn: 0.3636083	total: 369ms	remaining: 930ms
284:	learn: 0.3633708	total: 370ms	remaining: 929ms
285:	learn: 0.3632534	total: 371ms	remaining: 927ms
286:	learn: 0.3630906	total: 372ms	remaining: 925ms
287:	learn: 0.3628756	total: 374ms	remaining: 924ms
288:	learn: 0.3626627	total: 375ms	remaining: 923ms
289:	learn: 0.3624898	total: 376ms	remaining: 922ms
290:	learn: 0.3622124	total: 378ms	remaining: 920ms
291:	learn: 0.3622035	total: 378ms	remaining: 917ms
292:	learn: 0.3619672	total: 379ms	remaining: 916ms
293:	learn: 0.3617131	total: 381ms	remaining: 914ms
294:	learn: 0.3615375	total: 382ms	remaining: 913ms
295:	learn: 0.3611696	total: 383ms	remaining: 911ms
296:	learn: 0.3610157	total: 384ms	remaining: 909ms
297:	learn: 0.3608297	total: 386ms	remaining: 909ms
298:	learn: 0.3607108	total: 388ms	remaining: 909ms
299:	learn: 0.3605939	total: 389ms	remaining: 908ms
300:	learn: 0.3604354	total: 391ms	remaining: 908ms
301:	learn: 0.3603595	total: 392ms	remaining: 907ms
302:	learn: 0.3602673	total: 394ms	remaining: 906ms
303:	learn: 0.3599518	total: 395ms	remaining: 904ms
304:	learn: 0.3597478	total: 396ms	remaining: 903ms
305:	learn: 0.3596240	total: 398ms	remaining: 902ms
306:	learn: 0.3594637	total: 400ms	remaining: 903ms
307:	learn: 0.3592904	total: 403ms	remaining: 906ms
308:	learn: 0.3591588	total: 405ms	remaining: 905ms
309:	learn: 0.3590566	total: 406ms	remaining: 904ms
310:	learn: 0.3590222	total: 408ms	remaining: 904ms
311:	learn: 0.3587863	total: 410ms	remaining: 903ms
312:	learn: 0.3586897	total: 411ms	remaining: 902ms
313:	learn: 0.3585533	total: 412ms	remaining: 900ms
314:	learn: 0.3582279	total: 414ms	remaining: 899ms
315:	learn: 0.3579847	total: 415ms	remaining: 898ms
316:	learn: 0.3578430	total: 416ms	remaining: 897ms
317:	learn: 0.3576395	total: 418ms	remaining: 896ms
318:	learn: 0.3574788	total: 419ms	remaining: 895ms
319:	learn: 0.3573880	total: 421ms	remaining: 895ms
320:	learn: 0.3572889	total: 422ms	remaining: 894ms
321:	learn: 0.3571282	total: 424ms	remaining: 893ms
322:	learn: 0.3569232	total: 426ms	remaining: 893ms
323:	learn: 0.3567020	total: 428ms	remaining: 893ms
324:	learn: 0.3566217	total: 430ms	remaining: 893ms
325:	learn: 0.3565058	total: 431ms	remaining: 892ms
326:	learn: 0.3564471	total: 433ms	remaining: 891ms
327:	learn: 0.3564116	total: 434ms	remaining: 889ms
328:	learn: 0.3562467	total: 436ms	remaining: 888ms
329:	learn: 0.3562319	total: 436ms	remaining: 886ms
330:	learn: 0.3560334	total: 438ms	remaining: 885ms
331:	learn: 0.3559023	total: 439ms	remaining: 884ms
332:	learn: 0.3557706	total: 441ms	remaining: 883ms
333:	learn: 0.3556694	total: 442ms	remaining: 881ms
334:	learn: 0.3556630	total: 442ms	remaining: 878ms
335:	learn: 0.3556492	total: 443ms	remaining: 876ms
336:	learn: 0.3555276	total: 444ms	remaining: 874ms
337:	learn: 0.3553571	total: 446ms	remaining: 874ms
338:	learn: 0.3551278	total: 447ms	remaining: 872ms
339:	learn: 0.3548808	total: 449ms	remaining: 871ms
340:	learn: 0.3547757	total: 450ms	remaining: 870ms
341:	learn: 0.3545178	total: 452ms	remaining: 869ms
342:	learn: 0.3544222	total: 453ms	remaining: 868ms
343:	learn: 0.3543888	total: 454ms	remaining: 866ms
344:	learn: 0.3543839	total: 455ms	remaining: 863ms
345:	learn: 0.3542879	total: 457ms	remaining: 863ms
346:	learn: 0.3542201	total: 459ms	remaining: 863ms
347:	learn: 0.3539553	total: 461ms	remaining: 863ms
348:	learn: 0.3538232	total: 462ms	remaining: 862ms
349:	learn: 0.3536809	total: 464ms	remaining: 861ms
350:	learn: 0.3534596	total: 465ms	remaining: 860ms
351:	learn: 0.3533832	total: 466ms	remaining: 859ms
352:	learn: 0.3531709	total: 468ms	remaining: 858ms
353:	learn: 0.3529713	total: 469ms	remaining: 857ms
354:	learn: 0.3528220	total: 471ms	remaining: 855ms
355:	learn: 0.3528150	total: 472ms	remaining: 853ms
356:	learn: 0.3527846	total: 473ms	remaining: 852ms
357:	learn: 0.3527157	total: 474ms	remaining: 850ms
358:	learn: 0.3525860	total: 475ms	remaining: 849ms
359:	learn: 0.3524108	total: 477ms	remaining: 847ms
360:	learn: 0.3523641	total: 477ms	remaining: 845ms
361:	learn: 0.3523133	total: 478ms	remaining: 843ms
362:	learn: 0.3521586	total: 480ms	remaining: 843ms
363:	learn: 0.3518608	total: 482ms	remaining: 842ms
364:	learn: 0.3517669	total: 484ms	remaining: 841ms
365:	learn: 0.3516555	total: 485ms	remaining: 840ms
366:	learn: 0.3515192	total: 487ms	remaining: 839ms
367:	learn: 0.3514481	total: 488ms	remaining: 838ms
368:	learn: 0.3513070	total: 490ms	remaining: 837ms
369:	learn: 0.3511309	total: 491ms	remaining: 836ms
370:	learn: 0.3509899	total: 492ms	remaining: 835ms
371:	learn: 0.3508802	total: 495ms	remaining: 835ms
372:	learn: 0.3508393	total: 496ms	remaining: 834ms
373:	learn: 0.3507686	total: 498ms	remaining: 833ms
374:	learn: 0.3504768	total: 500ms	remaining: 833ms
375:	learn: 0.3503912	total: 502ms	remaining: 833ms
376:	learn: 0.3502616	total: 503ms	remaining: 831ms
377:	learn: 0.3500479	total: 505ms	remaining: 830ms
378:	learn: 0.3499952	total: 507ms	remaining: 830ms
379:	learn: 0.3499921	total: 507ms	remaining: 828ms
380:	learn: 0.3498030	total: 509ms	remaining: 827ms
381:	learn: 0.3496931	total: 510ms	remaining: 825ms
382:	learn: 0.3496138	total: 511ms	remaining: 823ms
383:	learn: 0.3494488	total: 512ms	remaining: 821ms
384:	learn: 0.3492570	total: 513ms	remaining: 820ms
385:	learn: 0.3490331	total: 515ms	remaining: 819ms
386:	learn: 0.3489052	total: 517ms	remaining: 819ms
387:	learn: 0.3488243	total: 519ms	remaining: 818ms
388:	learn: 0.3487103	total: 520ms	remaining: 817ms
389:	learn: 0.3486601	total: 522ms	remaining: 816ms
390:	learn: 0.3485694	total: 524ms	remaining: 816ms
391:	learn: 0.3484928	total: 526ms	remaining: 815ms
392:	learn: 0.3482305	total: 528ms	remaining: 815ms
393:	learn: 0.3479953	total: 530ms	remaining: 815ms
394:	learn: 0.3479355	total: 532ms	remaining: 814ms
395:	learn: 0.3477993	total: 534ms	remaining: 814ms
396:	learn: 0.3477422	total: 535ms	remaining: 813ms
397:	learn: 0.3476024	total: 537ms	remaining: 813ms
398:	learn: 0.3475069	total: 539ms	remaining: 812ms
399:	learn: 0.3474113	total: 541ms	remaining: 812ms
400:	learn: 0.3473383	total: 542ms	remaining: 810ms
401:	learn: 0.3471726	total: 544ms	remaining: 809ms
402:	learn: 0.3470904	total: 546ms	remaining: 809ms
403:	learn: 0.3470043	total: 547ms	remaining: 807ms
404:	learn: 0.3468980	total: 549ms	remaining: 806ms
405:	learn: 0.3468629	total: 551ms	remaining: 806ms
406:	learn: 0.3467980	total: 552ms	remaining: 805ms
407:	learn: 0.3465807	total: 554ms	remaining: 804ms
408:	learn: 0.3464772	total: 555ms	remaining: 802ms
409:	learn: 0.3463860	total: 556ms	remaining: 801ms
410:	learn: 0.3462160	total: 558ms	remaining: 799ms
411:	learn: 0.3461503	total: 559ms	remaining: 798ms
412:	learn: 0.3460471	total: 560ms	remaining: 797ms
413:	learn: 0.3460159	total: 562ms	remaining: 795ms
414:	learn: 0.3459273	total: 564ms	remaining: 795ms
415:	learn: 0.3458631	total: 565ms	remaining: 793ms
416:	learn: 0.3456389	total: 566ms	remaining: 792ms
417:	learn: 0.3454834	total: 568ms	remaining: 790ms
418:	learn: 0.3453670	total: 569ms	remaining: 789ms
419:	learn: 0.3453435	total: 570ms	remaining: 787ms
420:	learn: 0.3451823	total: 572ms	remaining: 786ms
421:	learn: 0.3450037	total: 573ms	remaining: 785ms
422:	learn: 0.3449507	total: 575ms	remaining: 784ms
423:	learn: 0.3447831	total: 576ms	remaining: 783ms
424:	learn: 0.3446799	total: 579ms	remaining: 783ms
425:	learn: 0.3444868	total: 580ms	remaining: 782ms
426:	learn: 0.3444280	total: 583ms	remaining: 782ms
427:	learn: 0.3443580	total: 585ms	remaining: 781ms
428:	learn: 0.3442545	total: 586ms	remaining: 780ms
429:	learn: 0.3439652	total: 587ms	remaining: 779ms
430:	learn: 0.3439491	total: 588ms	remaining: 777ms
431:	learn: 0.3436919	total: 590ms	remaining: 775ms
432:	learn: 0.3436510	total: 591ms	remaining: 774ms
433:	learn: 0.3436070	total: 593ms	remaining: 773ms
434:	learn: 0.3434564	total: 594ms	remaining: 772ms
435:	learn: 0.3434210	total: 596ms	remaining: 771ms
436:	learn: 0.3433294	total: 598ms	remaining: 770ms
437:	learn: 0.3431487	total: 602ms	remaining: 772ms
438:	learn: 0.3429237	total: 603ms	remaining: 771ms
439:	learn: 0.3428122	total: 605ms	remaining: 770ms
440:	learn: 0.3426652	total: 607ms	remaining: 770ms
441:	learn: 0.3425340	total: 609ms	remaining: 769ms
442:	learn: 0.3424199	total: 611ms	remaining: 768ms
443:	learn: 0.3422517	total: 612ms	remaining: 767ms
444:	learn: 0.3421460	total: 614ms	remaining: 765ms
445:	learn: 0.3420383	total: 615ms	remaining: 764ms
446:	learn: 0.3419984	total: 616ms	remaining: 762ms
447:	learn: 0.3418763	total: 618ms	remaining: 761ms
448:	learn: 0.3418325	total: 620ms	remaining: 760ms
449:	learn: 0.3417653	total: 621ms	remaining: 759ms
450:	learn: 0.3415782	total: 624ms	remaining: 759ms
451:	learn: 0.3414512	total: 626ms	remaining: 759ms
452:	learn: 0.3414005	total: 628ms	remaining: 758ms
453:	learn: 0.3413879	total: 629ms	remaining: 756ms
454:	learn: 0.3412860	total: 630ms	remaining: 755ms
455:	learn: 0.3411936	total: 632ms	remaining: 754ms
456:	learn: 0.3411185	total: 634ms	remaining: 753ms
457:	learn: 0.3410610	total: 635ms	remaining: 752ms
458:	learn: 0.3409394	total: 636ms	remaining: 750ms
459:	learn: 0.3407448	total: 638ms	remaining: 749ms
460:	learn: 0.3406826	total: 640ms	remaining: 748ms
461:	learn: 0.3404281	total: 641ms	remaining: 746ms
462:	learn: 0.3404169	total: 642ms	remaining: 744ms
463:	learn: 0.3403819	total: 643ms	remaining: 743ms
464:	learn: 0.3403177	total: 645ms	remaining: 742ms
465:	learn: 0.3401998	total: 646ms	remaining: 741ms
466:	learn: 0.3401334	total: 648ms	remaining: 739ms
467:	learn: 0.3399577	total: 649ms	remaining: 738ms
468:	learn: 0.3398303	total: 651ms	remaining: 737ms
469:	learn: 0.3396890	total: 652ms	remaining: 736ms
470:	learn: 0.3395165	total: 654ms	remaining: 735ms
471:	learn: 0.3394630	total: 656ms	remaining: 734ms
472:	learn: 0.3393634	total: 658ms	remaining: 733ms
473:	learn: 0.3393071	total: 660ms	remaining: 732ms
474:	learn: 0.3392176	total: 661ms	remaining: 731ms
475:	learn: 0.3390649	total: 663ms	remaining: 730ms
476:	learn: 0.3389959	total: 665ms	remaining: 729ms
477:	learn: 0.3388497	total: 667ms	remaining: 729ms
478:	learn: 0.3387751	total: 669ms	remaining: 728ms
479:	learn: 0.3386742	total: 671ms	remaining: 727ms
480:	learn: 0.3385309	total: 673ms	remaining: 726ms
481:	learn: 0.3383497	total: 675ms	remaining: 725ms
482:	learn: 0.3383178	total: 676ms	remaining: 723ms
483:	learn: 0.3380681	total: 678ms	remaining: 722ms
484:	learn: 0.3379240	total: 679ms	remaining: 721ms
485:	learn: 0.3378065	total: 681ms	remaining: 720ms
486:	learn: 0.3377614	total: 683ms	remaining: 719ms
487:	learn: 0.3376062	total: 684ms	remaining: 718ms
488:	learn: 0.3374989	total: 685ms	remaining: 716ms
489:	learn: 0.3373660	total: 688ms	remaining: 716ms
490:	learn: 0.3371753	total: 690ms	remaining: 715ms
491:	learn: 0.3369738	total: 692ms	remaining: 714ms
492:	learn: 0.3368491	total: 693ms	remaining: 713ms
493:	learn: 0.3368005	total: 695ms	remaining: 712ms
494:	learn: 0.3367006	total: 697ms	remaining: 711ms
495:	learn: 0.3366331	total: 698ms	remaining: 710ms
496:	learn: 0.3365006	total: 701ms	remaining: 709ms
497:	learn: 0.3363613	total: 703ms	remaining: 708ms
498:	learn: 0.3363314	total: 705ms	remaining: 708ms
499:	learn: 0.3361471	total: 707ms	remaining: 707ms
500:	learn: 0.3361095	total: 709ms	remaining: 706ms
501:	learn: 0.3360140	total: 710ms	remaining: 705ms
502:	learn: 0.3358476	total: 712ms	remaining: 704ms
503:	learn: 0.3358370	total: 713ms	remaining: 702ms
504:	learn: 0.3358329	total: 714ms	remaining: 700ms
505:	learn: 0.3357222	total: 716ms	remaining: 699ms
506:	learn: 0.3356329	total: 718ms	remaining: 698ms
507:	learn: 0.3354749	total: 719ms	remaining: 696ms
508:	learn: 0.3352405	total: 722ms	remaining: 697ms
509:	learn: 0.3351458	total: 724ms	remaining: 696ms
510:	learn: 0.3350059	total: 726ms	remaining: 695ms
511:	learn: 0.3348260	total: 729ms	remaining: 695ms
512:	learn: 0.3346189	total: 731ms	remaining: 694ms
513:	learn: 0.3345982	total: 732ms	remaining: 692ms
514:	learn: 0.3345058	total: 734ms	remaining: 691ms
515:	learn: 0.3344228	total: 736ms	remaining: 690ms
516:	learn: 0.3343643	total: 738ms	remaining: 689ms
517:	learn: 0.3342518	total: 739ms	remaining: 688ms
518:	learn: 0.3342031	total: 741ms	remaining: 686ms
519:	learn: 0.3340773	total: 742ms	remaining: 685ms
520:	learn: 0.3340064	total: 744ms	remaining: 684ms
521:	learn: 0.3339042	total: 746ms	remaining: 683ms
522:	learn: 0.3338763	total: 747ms	remaining: 681ms
523:	learn: 0.3337842	total: 748ms	remaining: 680ms
524:	learn: 0.3337159	total: 750ms	remaining: 679ms
525:	learn: 0.3336449	total: 751ms	remaining: 677ms
526:	learn: 0.3334931	total: 752ms	remaining: 675ms
527:	learn: 0.3334482	total: 754ms	remaining: 674ms
528:	learn: 0.3332905	total: 755ms	remaining: 672ms
529:	learn: 0.3332346	total: 756ms	remaining: 671ms
530:	learn: 0.3329516	total: 758ms	remaining: 669ms
531:	learn: 0.3328934	total: 759ms	remaining: 668ms
532:	learn: 0.3326897	total: 761ms	remaining: 667ms
533:	learn: 0.3325822	total: 763ms	remaining: 666ms
534:	learn: 0.3323293	total: 764ms	remaining: 664ms
535:	learn: 0.3322480	total: 766ms	remaining: 663ms
536:	learn: 0.3321914	total: 768ms	remaining: 662ms
537:	learn: 0.3320197	total: 769ms	remaining: 660ms
538:	learn: 0.3319400	total: 771ms	remaining: 659ms
539:	learn: 0.3318025	total: 773ms	remaining: 658ms
540:	learn: 0.3317229	total: 775ms	remaining: 658ms
541:	learn: 0.3314745	total: 777ms	remaining: 656ms
542:	learn: 0.3313801	total: 778ms	remaining: 655ms
543:	learn: 0.3312589	total: 780ms	remaining: 654ms
544:	learn: 0.3311519	total: 782ms	remaining: 653ms
545:	learn: 0.3311395	total: 784ms	remaining: 652ms
546:	learn: 0.3310288	total: 785ms	remaining: 650ms
547:	learn: 0.3308870	total: 788ms	remaining: 650ms
548:	learn: 0.3307569	total: 791ms	remaining: 649ms
549:	learn: 0.3306452	total: 792ms	remaining: 648ms
550:	learn: 0.3305736	total: 793ms	remaining: 646ms
551:	learn: 0.3304588	total: 795ms	remaining: 645ms
552:	learn: 0.3303797	total: 797ms	remaining: 644ms
553:	learn: 0.3303377	total: 798ms	remaining: 643ms
554:	learn: 0.3301269	total: 800ms	remaining: 642ms
555:	learn: 0.3299961	total: 802ms	remaining: 640ms
556:	learn: 0.3298212	total: 803ms	remaining: 639ms
557:	learn: 0.3296192	total: 805ms	remaining: 637ms
558:	learn: 0.3295609	total: 806ms	remaining: 636ms
559:	learn: 0.3295472	total: 807ms	remaining: 634ms
560:	learn: 0.3294590	total: 808ms	remaining: 632ms
561:	learn: 0.3293524	total: 809ms	remaining: 631ms
562:	learn: 0.3292103	total: 810ms	remaining: 629ms
563:	learn: 0.3290075	total: 812ms	remaining: 627ms
564:	learn: 0.3288628	total: 813ms	remaining: 626ms
565:	learn: 0.3287390	total: 815ms	remaining: 625ms
566:	learn: 0.3286193	total: 817ms	remaining: 624ms
567:	learn: 0.3286160	total: 818ms	remaining: 622ms
568:	learn: 0.3284673	total: 819ms	remaining: 620ms
569:	learn: 0.3281141	total: 820ms	remaining: 619ms
570:	learn: 0.3280648	total: 821ms	remaining: 617ms
571:	learn: 0.3278546	total: 822ms	remaining: 615ms
572:	learn: 0.3277985	total: 824ms	remaining: 614ms
573:	learn: 0.3276404	total: 825ms	remaining: 612ms
574:	learn: 0.3275485	total: 827ms	remaining: 611ms
575:	learn: 0.3274763	total: 828ms	remaining: 609ms
576:	learn: 0.3273616	total: 829ms	remaining: 608ms
577:	learn: 0.3272668	total: 830ms	remaining: 606ms
578:	learn: 0.3271046	total: 831ms	remaining: 605ms
579:	learn: 0.3269637	total: 833ms	remaining: 603ms
580:	learn: 0.3267812	total: 834ms	remaining: 602ms
581:	learn: 0.3266367	total: 835ms	remaining: 600ms
582:	learn: 0.3265115	total: 836ms	remaining: 598ms
583:	learn: 0.3264192	total: 838ms	remaining: 597ms
584:	learn: 0.3263267	total: 840ms	remaining: 596ms
585:	learn: 0.3261660	total: 842ms	remaining: 595ms
586:	learn: 0.3261558	total: 843ms	remaining: 593ms
587:	learn: 0.3261044	total: 845ms	remaining: 592ms
588:	learn: 0.3259688	total: 847ms	remaining: 591ms
589:	learn: 0.3258836	total: 849ms	remaining: 590ms
590:	learn: 0.3256697	total: 850ms	remaining: 589ms
591:	learn: 0.3256078	total: 852ms	remaining: 587ms
592:	learn: 0.3254915	total: 854ms	remaining: 586ms
593:	learn: 0.3254733	total: 854ms	remaining: 584ms
594:	learn: 0.3253383	total: 856ms	remaining: 582ms
595:	learn: 0.3252357	total: 857ms	remaining: 581ms
596:	learn: 0.3251253	total: 859ms	remaining: 580ms
597:	learn: 0.3250704	total: 860ms	remaining: 578ms
598:	learn: 0.3249530	total: 861ms	remaining: 577ms
599:	learn: 0.3246809	total: 863ms	remaining: 575ms
600:	learn: 0.3245277	total: 864ms	remaining: 574ms
601:	learn: 0.3244503	total: 865ms	remaining: 572ms
602:	learn: 0.3244138	total: 867ms	remaining: 571ms
603:	learn: 0.3243890	total: 867ms	remaining: 569ms
604:	learn: 0.3243230	total: 868ms	remaining: 567ms
605:	learn: 0.3242680	total: 870ms	remaining: 566ms
606:	learn: 0.3242325	total: 872ms	remaining: 565ms
607:	learn: 0.3240987	total: 873ms	remaining: 563ms
608:	learn: 0.3239770	total: 874ms	remaining: 561ms
609:	learn: 0.3238904	total: 876ms	remaining: 560ms
610:	learn: 0.3237987	total: 877ms	remaining: 559ms
611:	learn: 0.3237484	total: 879ms	remaining: 557ms
612:	learn: 0.3236690	total: 881ms	remaining: 556ms
613:	learn: 0.3236036	total: 882ms	remaining: 555ms
614:	learn: 0.3235335	total: 885ms	remaining: 554ms
615:	learn: 0.3233300	total: 887ms	remaining: 553ms
616:	learn: 0.3231954	total: 888ms	remaining: 551ms
617:	learn: 0.3231867	total: 890ms	remaining: 550ms
618:	learn: 0.3231453	total: 892ms	remaining: 549ms
619:	learn: 0.3231004	total: 893ms	remaining: 547ms
620:	learn: 0.3229589	total: 895ms	remaining: 546ms
621:	learn: 0.3229279	total: 896ms	remaining: 545ms
622:	learn: 0.3227733	total: 898ms	remaining: 544ms
623:	learn: 0.3227154	total: 900ms	remaining: 542ms
624:	learn: 0.3224844	total: 902ms	remaining: 541ms
625:	learn: 0.3223689	total: 903ms	remaining: 540ms
626:	learn: 0.3222841	total: 905ms	remaining: 538ms
627:	learn: 0.3221657	total: 907ms	remaining: 537ms
628:	learn: 0.3220823	total: 909ms	remaining: 536ms
629:	learn: 0.3219546	total: 910ms	remaining: 535ms
630:	learn: 0.3218741	total: 913ms	remaining: 534ms
631:	learn: 0.3218257	total: 915ms	remaining: 533ms
632:	learn: 0.3216778	total: 916ms	remaining: 531ms
633:	learn: 0.3216006	total: 918ms	remaining: 530ms
634:	learn: 0.3215490	total: 920ms	remaining: 529ms
635:	learn: 0.3213498	total: 921ms	remaining: 527ms
636:	learn: 0.3212339	total: 923ms	remaining: 526ms
637:	learn: 0.3211506	total: 925ms	remaining: 525ms
638:	learn: 0.3210013	total: 926ms	remaining: 523ms
639:	learn: 0.3209503	total: 928ms	remaining: 522ms
640:	learn: 0.3207544	total: 929ms	remaining: 520ms
641:	learn: 0.3206582	total: 931ms	remaining: 519ms
642:	learn: 0.3205264	total: 932ms	remaining: 518ms
643:	learn: 0.3201921	total: 934ms	remaining: 516ms
644:	learn: 0.3201172	total: 935ms	remaining: 515ms
645:	learn: 0.3200025	total: 936ms	remaining: 513ms
646:	learn: 0.3199739	total: 937ms	remaining: 511ms
647:	learn: 0.3198469	total: 939ms	remaining: 510ms
648:	learn: 0.3197936	total: 941ms	remaining: 509ms
649:	learn: 0.3197550	total: 942ms	remaining: 507ms
650:	learn: 0.3196341	total: 944ms	remaining: 506ms
651:	learn: 0.3196004	total: 946ms	remaining: 505ms
652:	learn: 0.3195620	total: 948ms	remaining: 504ms
653:	learn: 0.3195361	total: 949ms	remaining: 502ms
654:	learn: 0.3195116	total: 950ms	remaining: 500ms
655:	learn: 0.3194492	total: 952ms	remaining: 499ms
656:	learn: 0.3192820	total: 954ms	remaining: 498ms
657:	learn: 0.3192411	total: 956ms	remaining: 497ms
658:	learn: 0.3190902	total: 958ms	remaining: 496ms
659:	learn: 0.3190023	total: 960ms	remaining: 494ms
660:	learn: 0.3189914	total: 961ms	remaining: 493ms
661:	learn: 0.3188818	total: 962ms	remaining: 491ms
662:	learn: 0.3188011	total: 964ms	remaining: 490ms
663:	learn: 0.3186475	total: 966ms	remaining: 489ms
664:	learn: 0.3185684	total: 968ms	remaining: 488ms
665:	learn: 0.3184890	total: 969ms	remaining: 486ms
666:	learn: 0.3184610	total: 972ms	remaining: 485ms
667:	learn: 0.3183612	total: 973ms	remaining: 484ms
668:	learn: 0.3183486	total: 975ms	remaining: 482ms
669:	learn: 0.3182681	total: 976ms	remaining: 481ms
670:	learn: 0.3181510	total: 978ms	remaining: 479ms
671:	learn: 0.3180821	total: 979ms	remaining: 478ms
672:	learn: 0.3180000	total: 980ms	remaining: 476ms
673:	learn: 0.3177792	total: 981ms	remaining: 475ms
674:	learn: 0.3176002	total: 983ms	remaining: 473ms
675:	learn: 0.3175325	total: 984ms	remaining: 472ms
676:	learn: 0.3174383	total: 986ms	remaining: 470ms
677:	learn: 0.3173987	total: 987ms	remaining: 469ms
678:	learn: 0.3173450	total: 988ms	remaining: 467ms
679:	learn: 0.3172849	total: 989ms	remaining: 466ms
680:	learn: 0.3170848	total: 991ms	remaining: 464ms
681:	learn: 0.3170065	total: 993ms	remaining: 463ms
682:	learn: 0.3168922	total: 994ms	remaining: 461ms
683:	learn: 0.3168257	total: 996ms	remaining: 460ms
684:	learn: 0.3167419	total: 999ms	remaining: 459ms
685:	learn: 0.3166791	total: 1s	remaining: 458ms
686:	learn: 0.3165675	total: 1s	remaining: 457ms
687:	learn: 0.3164710	total: 1s	remaining: 455ms
688:	learn: 0.3164501	total: 1s	remaining: 454ms
689:	learn: 0.3163574	total: 1.01s	remaining: 452ms
690:	learn: 0.3162536	total: 1.01s	remaining: 451ms
691:	learn: 0.3160346	total: 1.01s	remaining: 449ms
692:	learn: 0.3159484	total: 1.01s	remaining: 448ms
693:	learn: 0.3157807	total: 1.01s	remaining: 447ms
694:	learn: 0.3156438	total: 1.01s	remaining: 445ms
695:	learn: 0.3155550	total: 1.01s	remaining: 444ms
696:	learn: 0.3154007	total: 1.02s	remaining: 442ms
697:	learn: 0.3152563	total: 1.02s	remaining: 441ms
698:	learn: 0.3151804	total: 1.02s	remaining: 439ms
699:	learn: 0.3151258	total: 1.02s	remaining: 438ms
700:	learn: 0.3149624	total: 1.02s	remaining: 436ms
701:	learn: 0.3148433	total: 1.02s	remaining: 435ms
702:	learn: 0.3147735	total: 1.02s	remaining: 433ms
703:	learn: 0.3147186	total: 1.03s	remaining: 432ms
704:	learn: 0.3146070	total: 1.03s	remaining: 430ms
705:	learn: 0.3144037	total: 1.03s	remaining: 429ms
706:	learn: 0.3143775	total: 1.03s	remaining: 427ms
707:	learn: 0.3142888	total: 1.03s	remaining: 426ms
708:	learn: 0.3141470	total: 1.03s	remaining: 425ms
709:	learn: 0.3140104	total: 1.04s	remaining: 423ms
710:	learn: 0.3139591	total: 1.04s	remaining: 422ms
711:	learn: 0.3138426	total: 1.04s	remaining: 421ms
712:	learn: 0.3137670	total: 1.04s	remaining: 419ms
713:	learn: 0.3137241	total: 1.04s	remaining: 418ms
714:	learn: 0.3136557	total: 1.04s	remaining: 416ms
715:	learn: 0.3135698	total: 1.04s	remaining: 415ms
716:	learn: 0.3133942	total: 1.05s	remaining: 414ms
717:	learn: 0.3131844	total: 1.05s	remaining: 412ms
718:	learn: 0.3130814	total: 1.05s	remaining: 411ms
719:	learn: 0.3130048	total: 1.05s	remaining: 409ms
720:	learn: 0.3129122	total: 1.05s	remaining: 408ms
721:	learn: 0.3128885	total: 1.05s	remaining: 406ms
722:	learn: 0.3127933	total: 1.06s	remaining: 405ms
723:	learn: 0.3127058	total: 1.06s	remaining: 404ms
724:	learn: 0.3126785	total: 1.06s	remaining: 402ms
725:	learn: 0.3125240	total: 1.06s	remaining: 401ms
726:	learn: 0.3124521	total: 1.06s	remaining: 399ms
727:	learn: 0.3122539	total: 1.06s	remaining: 398ms
728:	learn: 0.3121276	total: 1.07s	remaining: 397ms
729:	learn: 0.3121089	total: 1.07s	remaining: 395ms
730:	learn: 0.3119769	total: 1.07s	remaining: 394ms
731:	learn: 0.3118592	total: 1.07s	remaining: 392ms
732:	learn: 0.3116968	total: 1.07s	remaining: 391ms
733:	learn: 0.3115984	total: 1.07s	remaining: 389ms
734:	learn: 0.3115302	total: 1.07s	remaining: 388ms
735:	learn: 0.3114972	total: 1.08s	remaining: 386ms
736:	learn: 0.3114136	total: 1.08s	remaining: 385ms
737:	learn: 0.3113369	total: 1.08s	remaining: 383ms
738:	learn: 0.3113268	total: 1.08s	remaining: 382ms
739:	learn: 0.3112082	total: 1.08s	remaining: 380ms
740:	learn: 0.3111555	total: 1.08s	remaining: 379ms
741:	learn: 0.3110034	total: 1.08s	remaining: 377ms
742:	learn: 0.3109479	total: 1.09s	remaining: 376ms
743:	learn: 0.3108909	total: 1.09s	remaining: 374ms
744:	learn: 0.3108192	total: 1.09s	remaining: 373ms
745:	learn: 0.3106626	total: 1.09s	remaining: 371ms
746:	learn: 0.3105600	total: 1.09s	remaining: 370ms
747:	learn: 0.3103861	total: 1.09s	remaining: 368ms
748:	learn: 0.3103068	total: 1.09s	remaining: 367ms
749:	learn: 0.3102494	total: 1.1s	remaining: 365ms
750:	learn: 0.3101264	total: 1.1s	remaining: 364ms
751:	learn: 0.3100139	total: 1.1s	remaining: 362ms
752:	learn: 0.3098491	total: 1.1s	remaining: 361ms
753:	learn: 0.3094454	total: 1.1s	remaining: 360ms
754:	learn: 0.3092016	total: 1.1s	remaining: 358ms
755:	learn: 0.3091209	total: 1.1s	remaining: 357ms
756:	learn: 0.3089132	total: 1.11s	remaining: 355ms
757:	learn: 0.3087617	total: 1.11s	remaining: 354ms
758:	learn: 0.3087140	total: 1.11s	remaining: 352ms
759:	learn: 0.3085492	total: 1.11s	remaining: 351ms
760:	learn: 0.3083809	total: 1.11s	remaining: 349ms
761:	learn: 0.3083503	total: 1.11s	remaining: 348ms
762:	learn: 0.3082835	total: 1.11s	remaining: 346ms
763:	learn: 0.3081151	total: 1.12s	remaining: 345ms
764:	learn: 0.3080865	total: 1.12s	remaining: 343ms
765:	learn: 0.3080647	total: 1.12s	remaining: 342ms
766:	learn: 0.3078474	total: 1.12s	remaining: 340ms
767:	learn: 0.3076977	total: 1.12s	remaining: 339ms
768:	learn: 0.3075684	total: 1.12s	remaining: 337ms
769:	learn: 0.3075630	total: 1.12s	remaining: 336ms
770:	learn: 0.3073470	total: 1.13s	remaining: 335ms
771:	learn: 0.3073402	total: 1.13s	remaining: 333ms
772:	learn: 0.3072481	total: 1.13s	remaining: 331ms
773:	learn: 0.3071534	total: 1.13s	remaining: 330ms
774:	learn: 0.3071475	total: 1.13s	remaining: 329ms
775:	learn: 0.3070644	total: 1.13s	remaining: 327ms
776:	learn: 0.3069850	total: 1.14s	remaining: 326ms
777:	learn: 0.3068374	total: 1.14s	remaining: 325ms
778:	learn: 0.3066829	total: 1.14s	remaining: 323ms
779:	learn: 0.3065081	total: 1.14s	remaining: 322ms
780:	learn: 0.3063827	total: 1.14s	remaining: 321ms
781:	learn: 0.3063260	total: 1.14s	remaining: 319ms
782:	learn: 0.3062767	total: 1.15s	remaining: 318ms
783:	learn: 0.3061996	total: 1.15s	remaining: 317ms
784:	learn: 0.3060723	total: 1.15s	remaining: 315ms
785:	learn: 0.3060044	total: 1.15s	remaining: 314ms
786:	learn: 0.3057455	total: 1.15s	remaining: 312ms
787:	learn: 0.3055101	total: 1.16s	remaining: 311ms
788:	learn: 0.3053787	total: 1.16s	remaining: 309ms
789:	learn: 0.3052472	total: 1.16s	remaining: 308ms
790:	learn: 0.3051519	total: 1.16s	remaining: 306ms
791:	learn: 0.3051320	total: 1.16s	remaining: 305ms
792:	learn: 0.3050632	total: 1.16s	remaining: 304ms
793:	learn: 0.3049359	total: 1.16s	remaining: 302ms
794:	learn: 0.3048529	total: 1.17s	remaining: 301ms
795:	learn: 0.3047631	total: 1.17s	remaining: 299ms
796:	learn: 0.3047010	total: 1.17s	remaining: 298ms
797:	learn: 0.3044009	total: 1.17s	remaining: 297ms
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798:	learn: 0.3043068	total: 1.17s	remaining: 295ms
799:	learn: 0.3042498	total: 1.17s	remaining: 294ms
800:	learn: 0.3041104	total: 1.18s	remaining: 292ms
801:	learn: 0.3040273	total: 1.18s	remaining: 291ms
802:	learn: 0.3039427	total: 1.18s	remaining: 289ms
803:	learn: 0.3038305	total: 1.18s	remaining: 288ms
804:	learn: 0.3038048	total: 1.18s	remaining: 286ms
805:	learn: 0.3037336	total: 1.18s	remaining: 285ms
806:	learn: 0.3036775	total: 1.18s	remaining: 283ms
807:	learn: 0.3036166	total: 1.19s	remaining: 282ms
808:	learn: 0.3034913	total: 1.19s	remaining: 281ms
809:	learn: 0.3031900	total: 1.19s	remaining: 279ms
810:	learn: 0.3030939	total: 1.19s	remaining: 278ms
811:	learn: 0.3030364	total: 1.19s	remaining: 276ms
812:	learn: 0.3029444	total: 1.2s	remaining: 275ms
813:	learn: 0.3028750	total: 1.2s	remaining: 274ms
814:	learn: 0.3027213	total: 1.2s	remaining: 272ms
815:	learn: 0.3026820	total: 1.2s	remaining: 271ms
816:	learn: 0.3024962	total: 1.21s	remaining: 270ms
817:	learn: 0.3023142	total: 1.21s	remaining: 268ms
818:	learn: 0.3021848	total: 1.21s	remaining: 267ms
819:	learn: 0.3020710	total: 1.21s	remaining: 265ms
820:	learn: 0.3019738	total: 1.21s	remaining: 264ms
821:	learn: 0.3017836	total: 1.21s	remaining: 263ms
822:	learn: 0.3015686	total: 1.22s	remaining: 261ms
823:	learn: 0.3014847	total: 1.22s	remaining: 260ms
824:	learn: 0.3013225	total: 1.22s	remaining: 258ms
825:	learn: 0.3012674	total: 1.22s	remaining: 257ms
826:	learn: 0.3011422	total: 1.22s	remaining: 256ms
827:	learn: 0.3010695	total: 1.23s	remaining: 255ms
828:	learn: 0.3010081	total: 1.23s	remaining: 253ms
829:	learn: 0.3009607	total: 1.23s	remaining: 252ms
830:	learn: 0.3007445	total: 1.23s	remaining: 251ms
831:	learn: 0.3006440	total: 1.23s	remaining: 249ms
832:	learn: 0.3005476	total: 1.24s	remaining: 248ms
833:	learn: 0.3004367	total: 1.24s	remaining: 247ms
834:	learn: 0.3003403	total: 1.24s	remaining: 245ms
835:	learn: 0.3002625	total: 1.24s	remaining: 244ms
836:	learn: 0.3001252	total: 1.24s	remaining: 242ms
837:	learn: 0.2999111	total: 1.24s	remaining: 241ms
838:	learn: 0.2998958	total: 1.25s	remaining: 239ms
839:	learn: 0.2997601	total: 1.25s	remaining: 238ms
840:	learn: 0.2996241	total: 1.25s	remaining: 236ms
841:	learn: 0.2995345	total: 1.25s	remaining: 235ms
842:	learn: 0.2994839	total: 1.25s	remaining: 234ms
843:	learn: 0.2993149	total: 1.26s	remaining: 232ms
844:	learn: 0.2992542	total: 1.26s	remaining: 231ms
845:	learn: 0.2991330	total: 1.26s	remaining: 229ms
846:	learn: 0.2990931	total: 1.26s	remaining: 228ms
847:	learn: 0.2990610	total: 1.26s	remaining: 226ms
848:	learn: 0.2989856	total: 1.26s	remaining: 225ms
849:	learn: 0.2989287	total: 1.27s	remaining: 223ms
850:	learn: 0.2987087	total: 1.27s	remaining: 222ms
851:	learn: 0.2985447	total: 1.27s	remaining: 220ms
852:	learn: 0.2983882	total: 1.27s	remaining: 219ms
853:	learn: 0.2983385	total: 1.27s	remaining: 218ms
854:	learn: 0.2982411	total: 1.27s	remaining: 216ms
855:	learn: 0.2980020	total: 1.28s	remaining: 215ms
856:	learn: 0.2979214	total: 1.28s	remaining: 213ms
857:	learn: 0.2978027	total: 1.28s	remaining: 212ms
858:	learn: 0.2977069	total: 1.28s	remaining: 211ms
859:	learn: 0.2976770	total: 1.29s	remaining: 209ms
860:	learn: 0.2976089	total: 1.29s	remaining: 208ms
861:	learn: 0.2975461	total: 1.29s	remaining: 206ms
862:	learn: 0.2974507	total: 1.29s	remaining: 205ms
863:	learn: 0.2973930	total: 1.29s	remaining: 204ms
864:	learn: 0.2972231	total: 1.29s	remaining: 202ms
865:	learn: 0.2971707	total: 1.3s	remaining: 201ms
866:	learn: 0.2971670	total: 1.3s	remaining: 199ms
867:	learn: 0.2970287	total: 1.3s	remaining: 198ms
868:	learn: 0.2969103	total: 1.3s	remaining: 196ms
869:	learn: 0.2967943	total: 1.3s	remaining: 195ms
870:	learn: 0.2967257	total: 1.31s	remaining: 194ms
871:	learn: 0.2966606	total: 1.31s	remaining: 192ms
872:	learn: 0.2966424	total: 1.31s	remaining: 191ms
873:	learn: 0.2965721	total: 1.31s	remaining: 189ms
874:	learn: 0.2965349	total: 1.31s	remaining: 188ms
875:	learn: 0.2963904	total: 1.31s	remaining: 186ms
876:	learn: 0.2962785	total: 1.32s	remaining: 185ms
877:	learn: 0.2962198	total: 1.32s	remaining: 183ms
878:	learn: 0.2961770	total: 1.32s	remaining: 182ms
879:	learn: 0.2960612	total: 1.32s	remaining: 180ms
880:	learn: 0.2959407	total: 1.32s	remaining: 179ms
881:	learn: 0.2957673	total: 1.32s	remaining: 177ms
882:	learn: 0.2955270	total: 1.33s	remaining: 176ms
883:	learn: 0.2954404	total: 1.33s	remaining: 174ms
884:	learn: 0.2953545	total: 1.33s	remaining: 173ms
885:	learn: 0.2952998	total: 1.33s	remaining: 171ms
886:	learn: 0.2952470	total: 1.33s	remaining: 170ms
887:	learn: 0.2951666	total: 1.33s	remaining: 168ms
888:	learn: 0.2950653	total: 1.33s	remaining: 167ms
889:	learn: 0.2950413	total: 1.34s	remaining: 165ms
890:	learn: 0.2948183	total: 1.34s	remaining: 164ms
891:	learn: 0.2947531	total: 1.34s	remaining: 162ms
892:	learn: 0.2946394	total: 1.34s	remaining: 161ms
893:	learn: 0.2945581	total: 1.34s	remaining: 159ms
894:	learn: 0.2944688	total: 1.34s	remaining: 158ms
895:	learn: 0.2944012	total: 1.35s	remaining: 156ms
896:	learn: 0.2943247	total: 1.35s	remaining: 155ms
897:	learn: 0.2942538	total: 1.35s	remaining: 153ms
898:	learn: 0.2941451	total: 1.35s	remaining: 152ms
899:	learn: 0.2941096	total: 1.35s	remaining: 150ms
900:	learn: 0.2940118	total: 1.35s	remaining: 149ms
901:	learn: 0.2938677	total: 1.35s	remaining: 147ms
902:	learn: 0.2937800	total: 1.35s	remaining: 146ms
903:	learn: 0.2936721	total: 1.36s	remaining: 144ms
904:	learn: 0.2935497	total: 1.36s	remaining: 142ms
905:	learn: 0.2934461	total: 1.36s	remaining: 141ms
906:	learn: 0.2933819	total: 1.36s	remaining: 139ms
907:	learn: 0.2931829	total: 1.36s	remaining: 138ms
908:	learn: 0.2931316	total: 1.36s	remaining: 136ms
909:	learn: 0.2930743	total: 1.36s	remaining: 135ms
910:	learn: 0.2929671	total: 1.36s	remaining: 133ms
911:	learn: 0.2928893	total: 1.37s	remaining: 132ms
912:	learn: 0.2928050	total: 1.37s	remaining: 130ms
913:	learn: 0.2927437	total: 1.37s	remaining: 129ms
914:	learn: 0.2927033	total: 1.37s	remaining: 127ms
915:	learn: 0.2926336	total: 1.37s	remaining: 126ms
916:	learn: 0.2924710	total: 1.37s	remaining: 124ms
917:	learn: 0.2924142	total: 1.37s	remaining: 123ms
918:	learn: 0.2921603	total: 1.38s	remaining: 121ms
919:	learn: 0.2921157	total: 1.38s	remaining: 120ms
920:	learn: 0.2920531	total: 1.38s	remaining: 118ms
921:	learn: 0.2918746	total: 1.38s	remaining: 117ms
922:	learn: 0.2918261	total: 1.38s	remaining: 115ms
923:	learn: 0.2917249	total: 1.38s	remaining: 114ms
924:	learn: 0.2914817	total: 1.38s	remaining: 112ms
925:	learn: 0.2914000	total: 1.38s	remaining: 111ms
926:	learn: 0.2913319	total: 1.39s	remaining: 109ms
927:	learn: 0.2912717	total: 1.39s	remaining: 108ms
928:	learn: 0.2910752	total: 1.39s	remaining: 106ms
929:	learn: 0.2908186	total: 1.39s	remaining: 105ms
930:	learn: 0.2907106	total: 1.4s	remaining: 103ms
931:	learn: 0.2904325	total: 1.4s	remaining: 102ms
932:	learn: 0.2903959	total: 1.4s	remaining: 100ms
933:	learn: 0.2902724	total: 1.4s	remaining: 99ms
934:	learn: 0.2901880	total: 1.4s	remaining: 97.5ms
935:	learn: 0.2900939	total: 1.4s	remaining: 96ms
936:	learn: 0.2900030	total: 1.41s	remaining: 94.5ms
937:	learn: 0.2899455	total: 1.41s	remaining: 93.1ms
938:	learn: 0.2898986	total: 1.41s	remaining: 91.6ms
939:	learn: 0.2898511	total: 1.41s	remaining: 90.1ms
940:	learn: 0.2897890	total: 1.41s	remaining: 88.6ms
941:	learn: 0.2896281	total: 1.41s	remaining: 87.1ms
942:	learn: 0.2895789	total: 1.42s	remaining: 85.6ms
943:	learn: 0.2893129	total: 1.42s	remaining: 84.1ms
944:	learn: 0.2891874	total: 1.42s	remaining: 82.6ms
945:	learn: 0.2889070	total: 1.42s	remaining: 81.1ms
946:	learn: 0.2888180	total: 1.42s	remaining: 79.5ms
947:	learn: 0.2887106	total: 1.42s	remaining: 78ms
948:	learn: 0.2884716	total: 1.42s	remaining: 76.5ms
949:	learn: 0.2884325	total: 1.43s	remaining: 75ms
950:	learn: 0.2883896	total: 1.43s	remaining: 73.5ms
951:	learn: 0.2882227	total: 1.43s	remaining: 72ms
952:	learn: 0.2881735	total: 1.43s	remaining: 70.5ms
953:	learn: 0.2881194	total: 1.43s	remaining: 69ms
954:	learn: 0.2880659	total: 1.43s	remaining: 67.4ms
955:	learn: 0.2880303	total: 1.43s	remaining: 65.9ms
956:	learn: 0.2879696	total: 1.43s	remaining: 64.4ms
957:	learn: 0.2876975	total: 1.44s	remaining: 62.9ms
958:	learn: 0.2875213	total: 1.44s	remaining: 61.4ms
959:	learn: 0.2873550	total: 1.44s	remaining: 59.9ms
960:	learn: 0.2871416	total: 1.44s	remaining: 58.4ms
961:	learn: 0.2870792	total: 1.44s	remaining: 56.9ms
962:	learn: 0.2870351	total: 1.44s	remaining: 55.4ms
963:	learn: 0.2869746	total: 1.44s	remaining: 53.9ms
964:	learn: 0.2867884	total: 1.44s	remaining: 52.4ms
965:	learn: 0.2866123	total: 1.45s	remaining: 50.9ms
966:	learn: 0.2863499	total: 1.45s	remaining: 49.4ms
967:	learn: 0.2862997	total: 1.45s	remaining: 47.9ms
968:	learn: 0.2862256	total: 1.45s	remaining: 46.4ms
969:	learn: 0.2859537	total: 1.45s	remaining: 44.9ms
970:	learn: 0.2858567	total: 1.45s	remaining: 43.4ms
971:	learn: 0.2856831	total: 1.46s	remaining: 41.9ms
972:	learn: 0.2856123	total: 1.46s	remaining: 40.4ms
973:	learn: 0.2854796	total: 1.46s	remaining: 38.9ms
974:	learn: 0.2853081	total: 1.46s	remaining: 37.4ms
975:	learn: 0.2851937	total: 1.46s	remaining: 35.9ms
976:	learn: 0.2851204	total: 1.46s	remaining: 34.4ms
977:	learn: 0.2850270	total: 1.46s	remaining: 32.9ms
978:	learn: 0.2848072	total: 1.47s	remaining: 31.4ms
979:	learn: 0.2846544	total: 1.47s	remaining: 29.9ms
980:	learn: 0.2844368	total: 1.47s	remaining: 28.4ms
981:	learn: 0.2843196	total: 1.47s	remaining: 26.9ms
982:	learn: 0.2842659	total: 1.47s	remaining: 25.5ms
983:	learn: 0.2840749	total: 1.48s	remaining: 24ms
984:	learn: 0.2840184	total: 1.48s	remaining: 22.5ms
985:	learn: 0.2839150	total: 1.48s	remaining: 21ms
986:	learn: 0.2838353	total: 1.48s	remaining: 19.5ms
987:	learn: 0.2837411	total: 1.48s	remaining: 18ms
988:	learn: 0.2837086	total: 1.48s	remaining: 16.5ms
989:	learn: 0.2836469	total: 1.49s	remaining: 15ms
990:	learn: 0.2835199	total: 1.49s	remaining: 13.5ms
991:	learn: 0.2833446	total: 1.49s	remaining: 12ms
992:	learn: 0.2832809	total: 1.49s	remaining: 10.5ms
993:	learn: 0.2832248	total: 1.49s	remaining: 9.01ms
994:	learn: 0.2831563	total: 1.49s	remaining: 7.5ms
995:	learn: 0.2830627	total: 1.49s	remaining: 6ms
996:	learn: 0.2830200	total: 1.5s	remaining: 4.5ms
997:	learn: 0.2829680	total: 1.5s	remaining: 3ms
998:	learn: 0.2828122	total: 1.5s	remaining: 1.5ms
999:	learn: 0.2827593	total: 1.5s	remaining: 0us
Learning rate set to 0.009376
0:	learn: 0.6860795	total: 1.68ms	remaining: 1.67s
1:	learn: 0.6825128	total: 2.54ms	remaining: 1.27s
2:	learn: 0.6770645	total: 3.75ms	remaining: 1.25s
3:	learn: 0.6721612	total: 4.83ms	remaining: 1.2s
4:	learn: 0.6666992	total: 6.32ms	remaining: 1.26s
5:	learn: 0.6606907	total: 8.1ms	remaining: 1.34s
6:	learn: 0.6547051	total: 9.87ms	remaining: 1.4s
7:	learn: 0.6480684	total: 11.5ms	remaining: 1.43s
8:	learn: 0.6415801	total: 12.6ms	remaining: 1.39s
9:	learn: 0.6357469	total: 14ms	remaining: 1.39s
10:	learn: 0.6304277	total: 15.2ms	remaining: 1.37s
11:	learn: 0.6246603	total: 16.3ms	remaining: 1.34s
12:	learn: 0.6190137	total: 17.5ms	remaining: 1.33s
13:	learn: 0.6131266	total: 19.5ms	remaining: 1.37s
14:	learn: 0.6071579	total: 21.5ms	remaining: 1.41s
15:	learn: 0.6017210	total: 22.9ms	remaining: 1.41s
16:	learn: 0.5968322	total: 24.6ms	remaining: 1.42s
17:	learn: 0.5928577	total: 26.1ms	remaining: 1.42s
18:	learn: 0.5888408	total: 27.5ms	remaining: 1.42s
19:	learn: 0.5846212	total: 28.9ms	remaining: 1.42s
20:	learn: 0.5797818	total: 30.3ms	remaining: 1.41s
21:	learn: 0.5757752	total: 31.8ms	remaining: 1.42s
22:	learn: 0.5715015	total: 33.3ms	remaining: 1.41s
23:	learn: 0.5672218	total: 34.6ms	remaining: 1.41s
24:	learn: 0.5631958	total: 36.1ms	remaining: 1.41s
25:	learn: 0.5589061	total: 37.3ms	remaining: 1.4s
26:	learn: 0.5553205	total: 38.7ms	remaining: 1.39s
27:	learn: 0.5511449	total: 40ms	remaining: 1.39s
28:	learn: 0.5471993	total: 41.4ms	remaining: 1.39s
29:	learn: 0.5454261	total: 42ms	remaining: 1.36s
30:	learn: 0.5419878	total: 43.3ms	remaining: 1.35s
31:	learn: 0.5377908	total: 44.6ms	remaining: 1.35s
32:	learn: 0.5339132	total: 45.9ms	remaining: 1.34s
33:	learn: 0.5301250	total: 47.5ms	remaining: 1.35s
34:	learn: 0.5268702	total: 48.9ms	remaining: 1.35s
35:	learn: 0.5237585	total: 50.2ms	remaining: 1.34s
36:	learn: 0.5200862	total: 51.6ms	remaining: 1.34s
37:	learn: 0.5170508	total: 53.1ms	remaining: 1.34s
38:	learn: 0.5140067	total: 54.6ms	remaining: 1.34s
39:	learn: 0.5107234	total: 55.9ms	remaining: 1.34s
40:	learn: 0.5081240	total: 57.1ms	remaining: 1.33s
41:	learn: 0.5048821	total: 58.3ms	remaining: 1.33s
42:	learn: 0.5035198	total: 59.4ms	remaining: 1.32s
43:	learn: 0.5008263	total: 60.8ms	remaining: 1.32s
44:	learn: 0.4985534	total: 62.1ms	remaining: 1.32s
45:	learn: 0.4971821	total: 63.1ms	remaining: 1.31s
46:	learn: 0.4945969	total: 64.6ms	remaining: 1.31s
47:	learn: 0.4925519	total: 65.7ms	remaining: 1.3s
48:	learn: 0.4898074	total: 66.6ms	remaining: 1.29s
49:	learn: 0.4872675	total: 67.9ms	remaining: 1.29s
50:	learn: 0.4855341	total: 68.8ms	remaining: 1.28s
51:	learn: 0.4828471	total: 70.6ms	remaining: 1.29s
52:	learn: 0.4801738	total: 72.5ms	remaining: 1.29s
53:	learn: 0.4780882	total: 74.2ms	remaining: 1.3s
54:	learn: 0.4760944	total: 75.8ms	remaining: 1.3s
55:	learn: 0.4737077	total: 77.4ms	remaining: 1.3s
56:	learn: 0.4710356	total: 78.8ms	remaining: 1.3s
57:	learn: 0.4690123	total: 80.2ms	remaining: 1.3s
58:	learn: 0.4665977	total: 81.5ms	remaining: 1.3s
59:	learn: 0.4644183	total: 82.9ms	remaining: 1.3s
60:	learn: 0.4624129	total: 84ms	remaining: 1.29s
61:	learn: 0.4604422	total: 85.3ms	remaining: 1.29s
62:	learn: 0.4583300	total: 86.7ms	remaining: 1.29s
63:	learn: 0.4569400	total: 88.5ms	remaining: 1.29s
64:	learn: 0.4553955	total: 90.2ms	remaining: 1.3s
65:	learn: 0.4536452	total: 92.4ms	remaining: 1.31s
66:	learn: 0.4519720	total: 94.4ms	remaining: 1.31s
67:	learn: 0.4504111	total: 97.2ms	remaining: 1.33s
68:	learn: 0.4486042	total: 99.5ms	remaining: 1.34s
69:	learn: 0.4469380	total: 101ms	remaining: 1.35s
70:	learn: 0.4453658	total: 103ms	remaining: 1.35s
71:	learn: 0.4435994	total: 106ms	remaining: 1.37s
72:	learn: 0.4421991	total: 108ms	remaining: 1.37s
73:	learn: 0.4404996	total: 110ms	remaining: 1.38s
74:	learn: 0.4389894	total: 112ms	remaining: 1.39s
75:	learn: 0.4377743	total: 114ms	remaining: 1.38s
76:	learn: 0.4367359	total: 115ms	remaining: 1.37s
77:	learn: 0.4352680	total: 116ms	remaining: 1.37s
78:	learn: 0.4336750	total: 118ms	remaining: 1.37s
79:	learn: 0.4328281	total: 119ms	remaining: 1.37s
80:	learn: 0.4317347	total: 121ms	remaining: 1.38s
81:	learn: 0.4302316	total: 123ms	remaining: 1.38s
82:	learn: 0.4289272	total: 125ms	remaining: 1.38s
83:	learn: 0.4276868	total: 127ms	remaining: 1.38s
84:	learn: 0.4263496	total: 128ms	remaining: 1.38s
85:	learn: 0.4254075	total: 130ms	remaining: 1.38s
86:	learn: 0.4242211	total: 131ms	remaining: 1.38s
87:	learn: 0.4231619	total: 132ms	remaining: 1.37s
88:	learn: 0.4217015	total: 134ms	remaining: 1.37s
89:	learn: 0.4205129	total: 135ms	remaining: 1.37s
90:	learn: 0.4192985	total: 137ms	remaining: 1.37s
91:	learn: 0.4184090	total: 138ms	remaining: 1.36s
92:	learn: 0.4173598	total: 140ms	remaining: 1.36s
93:	learn: 0.4161062	total: 141ms	remaining: 1.36s
94:	learn: 0.4149122	total: 143ms	remaining: 1.36s
95:	learn: 0.4141663	total: 145ms	remaining: 1.36s
96:	learn: 0.4133079	total: 147ms	remaining: 1.36s
97:	learn: 0.4125216	total: 148ms	remaining: 1.36s
98:	learn: 0.4114459	total: 149ms	remaining: 1.36s
99:	learn: 0.4103905	total: 151ms	remaining: 1.36s
100:	learn: 0.4093429	total: 152ms	remaining: 1.35s
101:	learn: 0.4085037	total: 154ms	remaining: 1.35s
102:	learn: 0.4079726	total: 155ms	remaining: 1.35s
103:	learn: 0.4072811	total: 157ms	remaining: 1.35s
104:	learn: 0.4060912	total: 158ms	remaining: 1.35s
105:	learn: 0.4051168	total: 160ms	remaining: 1.35s
106:	learn: 0.4039841	total: 161ms	remaining: 1.35s
107:	learn: 0.4029928	total: 163ms	remaining: 1.34s
108:	learn: 0.4020332	total: 165ms	remaining: 1.35s
109:	learn: 0.4012082	total: 167ms	remaining: 1.35s
110:	learn: 0.4004428	total: 168ms	remaining: 1.35s
111:	learn: 0.3994614	total: 169ms	remaining: 1.34s
112:	learn: 0.3987680	total: 171ms	remaining: 1.34s
113:	learn: 0.3979437	total: 173ms	remaining: 1.34s
114:	learn: 0.3969217	total: 174ms	remaining: 1.34s
115:	learn: 0.3959563	total: 175ms	remaining: 1.33s
116:	learn: 0.3952758	total: 177ms	remaining: 1.33s
117:	learn: 0.3941757	total: 178ms	remaining: 1.33s
118:	learn: 0.3937334	total: 179ms	remaining: 1.32s
119:	learn: 0.3931679	total: 180ms	remaining: 1.32s
120:	learn: 0.3925945	total: 181ms	remaining: 1.31s
121:	learn: 0.3919132	total: 182ms	remaining: 1.31s
122:	learn: 0.3912671	total: 183ms	remaining: 1.31s
123:	learn: 0.3911133	total: 184ms	remaining: 1.3s
124:	learn: 0.3903095	total: 185ms	remaining: 1.3s
125:	learn: 0.3894995	total: 187ms	remaining: 1.3s
126:	learn: 0.3891074	total: 189ms	remaining: 1.3s
127:	learn: 0.3883532	total: 190ms	remaining: 1.29s
128:	learn: 0.3875368	total: 191ms	remaining: 1.29s
129:	learn: 0.3870160	total: 193ms	remaining: 1.29s
130:	learn: 0.3867589	total: 194ms	remaining: 1.29s
131:	learn: 0.3859915	total: 195ms	remaining: 1.28s
132:	learn: 0.3854316	total: 197ms	remaining: 1.28s
133:	learn: 0.3848916	total: 199ms	remaining: 1.29s
134:	learn: 0.3841445	total: 202ms	remaining: 1.29s
135:	learn: 0.3836946	total: 204ms	remaining: 1.3s
136:	learn: 0.3831142	total: 206ms	remaining: 1.29s
137:	learn: 0.3827035	total: 207ms	remaining: 1.29s
138:	learn: 0.3820843	total: 209ms	remaining: 1.29s
139:	learn: 0.3815097	total: 210ms	remaining: 1.29s
140:	learn: 0.3810996	total: 212ms	remaining: 1.29s
141:	learn: 0.3805568	total: 213ms	remaining: 1.29s
142:	learn: 0.3800337	total: 214ms	remaining: 1.28s
143:	learn: 0.3795239	total: 216ms	remaining: 1.28s
144:	learn: 0.3791326	total: 217ms	remaining: 1.28s
145:	learn: 0.3788559	total: 218ms	remaining: 1.28s
146:	learn: 0.3784126	total: 220ms	remaining: 1.27s
147:	learn: 0.3778790	total: 221ms	remaining: 1.27s
148:	learn: 0.3775409	total: 222ms	remaining: 1.27s
149:	learn: 0.3774101	total: 223ms	remaining: 1.26s
150:	learn: 0.3771212	total: 225ms	remaining: 1.26s
151:	learn: 0.3767939	total: 226ms	remaining: 1.26s
152:	learn: 0.3759748	total: 227ms	remaining: 1.26s
153:	learn: 0.3754909	total: 229ms	remaining: 1.26s
154:	learn: 0.3750440	total: 230ms	remaining: 1.26s
155:	learn: 0.3746019	total: 232ms	remaining: 1.26s
156:	learn: 0.3741414	total: 234ms	remaining: 1.25s
157:	learn: 0.3734783	total: 236ms	remaining: 1.26s
158:	learn: 0.3728579	total: 237ms	remaining: 1.25s
159:	learn: 0.3724079	total: 239ms	remaining: 1.25s
160:	learn: 0.3718744	total: 240ms	remaining: 1.25s
161:	learn: 0.3711577	total: 242ms	remaining: 1.25s
162:	learn: 0.3709923	total: 243ms	remaining: 1.25s
163:	learn: 0.3705816	total: 244ms	remaining: 1.24s
164:	learn: 0.3701702	total: 245ms	remaining: 1.24s
165:	learn: 0.3698175	total: 246ms	remaining: 1.24s
166:	learn: 0.3692231	total: 247ms	remaining: 1.23s
167:	learn: 0.3688572	total: 248ms	remaining: 1.23s
168:	learn: 0.3685875	total: 249ms	remaining: 1.23s
169:	learn: 0.3682180	total: 251ms	remaining: 1.22s
170:	learn: 0.3681224	total: 252ms	remaining: 1.22s
171:	learn: 0.3678333	total: 253ms	remaining: 1.22s
172:	learn: 0.3673289	total: 255ms	remaining: 1.22s
173:	learn: 0.3669250	total: 257ms	remaining: 1.22s
174:	learn: 0.3665201	total: 259ms	remaining: 1.22s
175:	learn: 0.3660899	total: 261ms	remaining: 1.22s
176:	learn: 0.3656727	total: 263ms	remaining: 1.22s
177:	learn: 0.3651208	total: 264ms	remaining: 1.22s
178:	learn: 0.3646163	total: 265ms	remaining: 1.21s
179:	learn: 0.3643949	total: 266ms	remaining: 1.21s
180:	learn: 0.3639610	total: 268ms	remaining: 1.21s
181:	learn: 0.3635480	total: 269ms	remaining: 1.21s
182:	learn: 0.3634082	total: 270ms	remaining: 1.21s
183:	learn: 0.3632767	total: 271ms	remaining: 1.2s
184:	learn: 0.3631591	total: 272ms	remaining: 1.2s
185:	learn: 0.3627466	total: 274ms	remaining: 1.2s
186:	learn: 0.3621819	total: 276ms	remaining: 1.2s
187:	learn: 0.3620050	total: 277ms	remaining: 1.2s
188:	learn: 0.3616153	total: 279ms	remaining: 1.2s
189:	learn: 0.3610531	total: 281ms	remaining: 1.2s
190:	learn: 0.3608325	total: 283ms	remaining: 1.2s
191:	learn: 0.3607236	total: 285ms	remaining: 1.2s
192:	learn: 0.3602966	total: 287ms	remaining: 1.2s
193:	learn: 0.3600366	total: 289ms	remaining: 1.2s
194:	learn: 0.3595984	total: 290ms	remaining: 1.2s
195:	learn: 0.3592531	total: 292ms	remaining: 1.2s
196:	learn: 0.3588284	total: 293ms	remaining: 1.2s
197:	learn: 0.3585409	total: 295ms	remaining: 1.2s
198:	learn: 0.3583414	total: 297ms	remaining: 1.2s
199:	learn: 0.3580835	total: 299ms	remaining: 1.2s
200:	learn: 0.3577740	total: 301ms	remaining: 1.2s
201:	learn: 0.3575618	total: 302ms	remaining: 1.19s
202:	learn: 0.3571783	total: 304ms	remaining: 1.19s
203:	learn: 0.3568009	total: 306ms	remaining: 1.19s
204:	learn: 0.3565674	total: 308ms	remaining: 1.19s
205:	learn: 0.3565389	total: 309ms	remaining: 1.19s
206:	learn: 0.3562109	total: 311ms	remaining: 1.19s
207:	learn: 0.3558501	total: 312ms	remaining: 1.19s
208:	learn: 0.3556630	total: 314ms	remaining: 1.19s
209:	learn: 0.3554697	total: 315ms	remaining: 1.19s
210:	learn: 0.3551979	total: 317ms	remaining: 1.19s
211:	learn: 0.3549891	total: 318ms	remaining: 1.18s
212:	learn: 0.3547422	total: 320ms	remaining: 1.18s
213:	learn: 0.3543705	total: 321ms	remaining: 1.18s
214:	learn: 0.3541510	total: 322ms	remaining: 1.18s
215:	learn: 0.3538068	total: 324ms	remaining: 1.18s
216:	learn: 0.3534025	total: 326ms	remaining: 1.18s
217:	learn: 0.3531867	total: 327ms	remaining: 1.17s
218:	learn: 0.3528053	total: 329ms	remaining: 1.17s
219:	learn: 0.3525677	total: 331ms	remaining: 1.17s
220:	learn: 0.3522902	total: 333ms	remaining: 1.17s
221:	learn: 0.3521919	total: 334ms	remaining: 1.17s
222:	learn: 0.3517633	total: 335ms	remaining: 1.17s
223:	learn: 0.3514143	total: 337ms	remaining: 1.17s
224:	learn: 0.3512151	total: 338ms	remaining: 1.16s
225:	learn: 0.3509984	total: 340ms	remaining: 1.17s
226:	learn: 0.3507305	total: 344ms	remaining: 1.17s
227:	learn: 0.3506005	total: 346ms	remaining: 1.17s
228:	learn: 0.3502290	total: 348ms	remaining: 1.17s
229:	learn: 0.3499182	total: 349ms	remaining: 1.17s
230:	learn: 0.3496389	total: 351ms	remaining: 1.17s
231:	learn: 0.3493338	total: 353ms	remaining: 1.17s
232:	learn: 0.3489537	total: 354ms	remaining: 1.17s
233:	learn: 0.3487059	total: 356ms	remaining: 1.16s
234:	learn: 0.3486689	total: 357ms	remaining: 1.16s
235:	learn: 0.3485388	total: 358ms	remaining: 1.16s
236:	learn: 0.3482920	total: 360ms	remaining: 1.16s
237:	learn: 0.3480341	total: 362ms	remaining: 1.16s
238:	learn: 0.3477949	total: 364ms	remaining: 1.16s
239:	learn: 0.3474135	total: 366ms	remaining: 1.16s
240:	learn: 0.3470729	total: 368ms	remaining: 1.16s
241:	learn: 0.3466137	total: 370ms	remaining: 1.16s
242:	learn: 0.3462297	total: 372ms	remaining: 1.16s
243:	learn: 0.3459497	total: 374ms	remaining: 1.16s
244:	learn: 0.3457726	total: 375ms	remaining: 1.16s
245:	learn: 0.3455828	total: 377ms	remaining: 1.15s
246:	learn: 0.3454053	total: 378ms	remaining: 1.15s
247:	learn: 0.3451189	total: 380ms	remaining: 1.15s
248:	learn: 0.3448943	total: 381ms	remaining: 1.15s
249:	learn: 0.3445665	total: 383ms	remaining: 1.15s
250:	learn: 0.3443153	total: 384ms	remaining: 1.15s
251:	learn: 0.3440418	total: 387ms	remaining: 1.15s
252:	learn: 0.3437904	total: 389ms	remaining: 1.15s
253:	learn: 0.3436024	total: 392ms	remaining: 1.15s
254:	learn: 0.3433207	total: 393ms	remaining: 1.15s
255:	learn: 0.3429386	total: 394ms	remaining: 1.15s
256:	learn: 0.3427770	total: 396ms	remaining: 1.14s
257:	learn: 0.3425724	total: 397ms	remaining: 1.14s
258:	learn: 0.3423702	total: 398ms	remaining: 1.14s
259:	learn: 0.3421250	total: 400ms	remaining: 1.14s
260:	learn: 0.3419244	total: 402ms	remaining: 1.14s
261:	learn: 0.3417507	total: 403ms	remaining: 1.14s
262:	learn: 0.3415219	total: 405ms	remaining: 1.13s
263:	learn: 0.3413714	total: 407ms	remaining: 1.13s
264:	learn: 0.3411682	total: 409ms	remaining: 1.13s
265:	learn: 0.3410563	total: 411ms	remaining: 1.13s
266:	learn: 0.3409828	total: 412ms	remaining: 1.13s
267:	learn: 0.3405696	total: 414ms	remaining: 1.13s
268:	learn: 0.3401382	total: 417ms	remaining: 1.13s
269:	learn: 0.3399628	total: 420ms	remaining: 1.14s
270:	learn: 0.3397334	total: 422ms	remaining: 1.13s
271:	learn: 0.3394752	total: 424ms	remaining: 1.13s
272:	learn: 0.3392392	total: 425ms	remaining: 1.13s
273:	learn: 0.3390536	total: 427ms	remaining: 1.13s
274:	learn: 0.3388470	total: 429ms	remaining: 1.13s
275:	learn: 0.3386272	total: 430ms	remaining: 1.13s
276:	learn: 0.3385172	total: 433ms	remaining: 1.13s
277:	learn: 0.3381586	total: 434ms	remaining: 1.13s
278:	learn: 0.3379066	total: 436ms	remaining: 1.13s
279:	learn: 0.3377065	total: 437ms	remaining: 1.12s
280:	learn: 0.3375480	total: 439ms	remaining: 1.12s
281:	learn: 0.3373350	total: 441ms	remaining: 1.12s
282:	learn: 0.3370744	total: 444ms	remaining: 1.13s
283:	learn: 0.3369189	total: 448ms	remaining: 1.13s
284:	learn: 0.3368346	total: 451ms	remaining: 1.13s
285:	learn: 0.3367065	total: 454ms	remaining: 1.13s
286:	learn: 0.3365592	total: 456ms	remaining: 1.13s
287:	learn: 0.3363947	total: 457ms	remaining: 1.13s
288:	learn: 0.3361830	total: 459ms	remaining: 1.13s
289:	learn: 0.3360275	total: 461ms	remaining: 1.13s
290:	learn: 0.3359621	total: 463ms	remaining: 1.13s
291:	learn: 0.3358974	total: 464ms	remaining: 1.13s
292:	learn: 0.3357082	total: 467ms	remaining: 1.13s
293:	learn: 0.3355019	total: 469ms	remaining: 1.13s
294:	learn: 0.3352764	total: 470ms	remaining: 1.12s
295:	learn: 0.3349303	total: 471ms	remaining: 1.12s
296:	learn: 0.3348056	total: 472ms	remaining: 1.12s
297:	learn: 0.3345170	total: 474ms	remaining: 1.11s
298:	learn: 0.3343585	total: 475ms	remaining: 1.11s
299:	learn: 0.3342243	total: 477ms	remaining: 1.11s
300:	learn: 0.3338855	total: 478ms	remaining: 1.11s
301:	learn: 0.3337727	total: 480ms	remaining: 1.11s
302:	learn: 0.3336379	total: 482ms	remaining: 1.11s
303:	learn: 0.3332043	total: 483ms	remaining: 1.1s
304:	learn: 0.3330151	total: 485ms	remaining: 1.1s
305:	learn: 0.3328492	total: 486ms	remaining: 1.1s
306:	learn: 0.3325361	total: 488ms	remaining: 1.1s
307:	learn: 0.3323218	total: 489ms	remaining: 1.1s
308:	learn: 0.3321855	total: 490ms	remaining: 1.1s
309:	learn: 0.3320189	total: 491ms	remaining: 1.09s
310:	learn: 0.3319374	total: 493ms	remaining: 1.09s
311:	learn: 0.3317767	total: 495ms	remaining: 1.09s
312:	learn: 0.3315920	total: 496ms	remaining: 1.09s
313:	learn: 0.3313368	total: 498ms	remaining: 1.09s
314:	learn: 0.3310998	total: 499ms	remaining: 1.08s
315:	learn: 0.3310378	total: 501ms	remaining: 1.08s
316:	learn: 0.3309613	total: 502ms	remaining: 1.08s
317:	learn: 0.3307162	total: 504ms	remaining: 1.08s
318:	learn: 0.3305981	total: 505ms	remaining: 1.08s
319:	learn: 0.3304723	total: 507ms	remaining: 1.08s
320:	learn: 0.3302711	total: 508ms	remaining: 1.07s
321:	learn: 0.3301418	total: 510ms	remaining: 1.07s
322:	learn: 0.3300093	total: 512ms	remaining: 1.07s
323:	learn: 0.3299193	total: 515ms	remaining: 1.07s
324:	learn: 0.3297988	total: 517ms	remaining: 1.07s
325:	learn: 0.3294677	total: 519ms	remaining: 1.07s
326:	learn: 0.3293716	total: 520ms	remaining: 1.07s
327:	learn: 0.3292538	total: 521ms	remaining: 1.07s
328:	learn: 0.3290900	total: 523ms	remaining: 1.06s
329:	learn: 0.3289814	total: 525ms	remaining: 1.06s
330:	learn: 0.3287645	total: 527ms	remaining: 1.06s
331:	learn: 0.3286772	total: 529ms	remaining: 1.06s
332:	learn: 0.3284109	total: 530ms	remaining: 1.06s
333:	learn: 0.3283709	total: 532ms	remaining: 1.06s
334:	learn: 0.3282256	total: 533ms	remaining: 1.06s
335:	learn: 0.3280285	total: 535ms	remaining: 1.06s
336:	learn: 0.3279591	total: 536ms	remaining: 1.05s
337:	learn: 0.3279313	total: 537ms	remaining: 1.05s
338:	learn: 0.3277092	total: 537ms	remaining: 1.05s
339:	learn: 0.3274771	total: 539ms	remaining: 1.04s
340:	learn: 0.3273365	total: 540ms	remaining: 1.04s
341:	learn: 0.3271476	total: 542ms	remaining: 1.04s
342:	learn: 0.3269520	total: 544ms	remaining: 1.04s
343:	learn: 0.3267345	total: 546ms	remaining: 1.04s
344:	learn: 0.3265258	total: 548ms	remaining: 1.04s
345:	learn: 0.3263348	total: 550ms	remaining: 1.04s
346:	learn: 0.3261881	total: 551ms	remaining: 1.04s
347:	learn: 0.3260070	total: 552ms	remaining: 1.03s
348:	learn: 0.3258918	total: 553ms	remaining: 1.03s
349:	learn: 0.3257926	total: 555ms	remaining: 1.03s
350:	learn: 0.3256558	total: 556ms	remaining: 1.03s
351:	learn: 0.3254256	total: 558ms	remaining: 1.03s
352:	learn: 0.3254127	total: 559ms	remaining: 1.02s
353:	learn: 0.3253152	total: 560ms	remaining: 1.02s
354:	learn: 0.3250040	total: 562ms	remaining: 1.02s
355:	learn: 0.3249056	total: 563ms	remaining: 1.02s
356:	learn: 0.3246228	total: 564ms	remaining: 1.02s
357:	learn: 0.3244835	total: 565ms	remaining: 1.01s
358:	learn: 0.3244077	total: 567ms	remaining: 1.01s
359:	learn: 0.3242563	total: 569ms	remaining: 1.01s
360:	learn: 0.3241394	total: 570ms	remaining: 1.01s
361:	learn: 0.3240343	total: 572ms	remaining: 1.01s
362:	learn: 0.3239166	total: 573ms	remaining: 1.01s
363:	learn: 0.3237093	total: 575ms	remaining: 1s
364:	learn: 0.3235226	total: 577ms	remaining: 1s
365:	learn: 0.3234770	total: 579ms	remaining: 1s
366:	learn: 0.3234676	total: 580ms	remaining: 1s
367:	learn: 0.3232071	total: 582ms	remaining: 1s
368:	learn: 0.3228963	total: 585ms	remaining: 1000ms
369:	learn: 0.3226902	total: 586ms	remaining: 998ms
370:	learn: 0.3225016	total: 588ms	remaining: 997ms
371:	learn: 0.3224338	total: 590ms	remaining: 995ms
372:	learn: 0.3223811	total: 591ms	remaining: 993ms
373:	learn: 0.3222334	total: 592ms	remaining: 990ms
374:	learn: 0.3219935	total: 593ms	remaining: 989ms
375:	learn: 0.3218291	total: 595ms	remaining: 987ms
376:	learn: 0.3216145	total: 596ms	remaining: 985ms
377:	learn: 0.3215138	total: 598ms	remaining: 984ms
378:	learn: 0.3214462	total: 599ms	remaining: 982ms
379:	learn: 0.3212490	total: 600ms	remaining: 980ms
380:	learn: 0.3212449	total: 602ms	remaining: 978ms
381:	learn: 0.3210187	total: 604ms	remaining: 977ms
382:	learn: 0.3208966	total: 605ms	remaining: 975ms
383:	learn: 0.3207715	total: 607ms	remaining: 973ms
384:	learn: 0.3205322	total: 608ms	remaining: 971ms
385:	learn: 0.3204330	total: 610ms	remaining: 970ms
386:	learn: 0.3203238	total: 611ms	remaining: 968ms
387:	learn: 0.3203030	total: 612ms	remaining: 966ms
388:	learn: 0.3200766	total: 614ms	remaining: 964ms
389:	learn: 0.3200760	total: 614ms	remaining: 961ms
390:	learn: 0.3199793	total: 615ms	remaining: 958ms
391:	learn: 0.3199311	total: 617ms	remaining: 957ms
392:	learn: 0.3197509	total: 618ms	remaining: 955ms
393:	learn: 0.3196206	total: 619ms	remaining: 953ms
394:	learn: 0.3195088	total: 621ms	remaining: 951ms
395:	learn: 0.3195047	total: 622ms	remaining: 949ms
396:	learn: 0.3193711	total: 624ms	remaining: 948ms
397:	learn: 0.3191619	total: 625ms	remaining: 946ms
398:	learn: 0.3190913	total: 626ms	remaining: 944ms
399:	learn: 0.3189529	total: 627ms	remaining: 941ms
400:	learn: 0.3187870	total: 628ms	remaining: 939ms
401:	learn: 0.3186329	total: 629ms	remaining: 936ms
402:	learn: 0.3185138	total: 631ms	remaining: 934ms
403:	learn: 0.3183237	total: 631ms	remaining: 932ms
404:	learn: 0.3181551	total: 633ms	remaining: 929ms
405:	learn: 0.3180048	total: 634ms	remaining: 927ms
406:	learn: 0.3178288	total: 635ms	remaining: 925ms
407:	learn: 0.3176407	total: 636ms	remaining: 923ms
408:	learn: 0.3175709	total: 637ms	remaining: 921ms
409:	learn: 0.3173057	total: 638ms	remaining: 918ms
410:	learn: 0.3172487	total: 639ms	remaining: 916ms
411:	learn: 0.3172418	total: 640ms	remaining: 913ms
412:	learn: 0.3170739	total: 641ms	remaining: 911ms
413:	learn: 0.3168890	total: 642ms	remaining: 909ms
414:	learn: 0.3167169	total: 643ms	remaining: 907ms
415:	learn: 0.3166541	total: 645ms	remaining: 905ms
416:	learn: 0.3166121	total: 646ms	remaining: 903ms
417:	learn: 0.3165474	total: 648ms	remaining: 902ms
418:	learn: 0.3164012	total: 650ms	remaining: 901ms
419:	learn: 0.3161681	total: 651ms	remaining: 899ms
420:	learn: 0.3160943	total: 652ms	remaining: 897ms
421:	learn: 0.3160728	total: 653ms	remaining: 895ms
422:	learn: 0.3160125	total: 654ms	remaining: 893ms
423:	learn: 0.3158284	total: 655ms	remaining: 890ms
424:	learn: 0.3156575	total: 657ms	remaining: 888ms
425:	learn: 0.3156252	total: 658ms	remaining: 886ms
426:	learn: 0.3155592	total: 659ms	remaining: 884ms
427:	learn: 0.3152827	total: 660ms	remaining: 882ms
428:	learn: 0.3152359	total: 661ms	remaining: 880ms
429:	learn: 0.3151190	total: 663ms	remaining: 878ms
430:	learn: 0.3150253	total: 664ms	remaining: 876ms
431:	learn: 0.3149161	total: 665ms	remaining: 875ms
432:	learn: 0.3148449	total: 667ms	remaining: 873ms
433:	learn: 0.3146479	total: 668ms	remaining: 872ms
434:	learn: 0.3145037	total: 670ms	remaining: 870ms
435:	learn: 0.3143622	total: 672ms	remaining: 869ms
436:	learn: 0.3142203	total: 674ms	remaining: 868ms
437:	learn: 0.3141398	total: 675ms	remaining: 866ms
438:	learn: 0.3139783	total: 677ms	remaining: 865ms
439:	learn: 0.3139090	total: 678ms	remaining: 863ms
440:	learn: 0.3137097	total: 680ms	remaining: 863ms
441:	learn: 0.3135885	total: 682ms	remaining: 861ms
442:	learn: 0.3134707	total: 683ms	remaining: 859ms
443:	learn: 0.3132716	total: 685ms	remaining: 858ms
444:	learn: 0.3132111	total: 687ms	remaining: 856ms
445:	learn: 0.3130464	total: 689ms	remaining: 855ms
446:	learn: 0.3128904	total: 690ms	remaining: 854ms
447:	learn: 0.3128163	total: 692ms	remaining: 852ms
448:	learn: 0.3125495	total: 693ms	remaining: 850ms
449:	learn: 0.3124625	total: 694ms	remaining: 849ms
450:	learn: 0.3124601	total: 696ms	remaining: 847ms
451:	learn: 0.3123037	total: 698ms	remaining: 846ms
452:	learn: 0.3122119	total: 700ms	remaining: 845ms
453:	learn: 0.3120338	total: 701ms	remaining: 844ms
454:	learn: 0.3120012	total: 703ms	remaining: 842ms
455:	learn: 0.3118576	total: 705ms	remaining: 841ms
456:	learn: 0.3116735	total: 706ms	remaining: 839ms
457:	learn: 0.3116523	total: 707ms	remaining: 837ms
458:	learn: 0.3115054	total: 709ms	remaining: 836ms
459:	learn: 0.3113916	total: 711ms	remaining: 834ms
460:	learn: 0.3112951	total: 713ms	remaining: 833ms
461:	learn: 0.3112074	total: 715ms	remaining: 832ms
462:	learn: 0.3111809	total: 716ms	remaining: 831ms
463:	learn: 0.3111069	total: 718ms	remaining: 829ms
464:	learn: 0.3109077	total: 719ms	remaining: 828ms
465:	learn: 0.3106999	total: 722ms	remaining: 827ms
466:	learn: 0.3105013	total: 723ms	remaining: 826ms
467:	learn: 0.3104467	total: 725ms	remaining: 824ms
468:	learn: 0.3104041	total: 727ms	remaining: 823ms
469:	learn: 0.3102751	total: 728ms	remaining: 821ms
470:	learn: 0.3102244	total: 730ms	remaining: 820ms
471:	learn: 0.3101314	total: 732ms	remaining: 819ms
472:	learn: 0.3100200	total: 734ms	remaining: 818ms
473:	learn: 0.3099243	total: 735ms	remaining: 816ms
474:	learn: 0.3098264	total: 737ms	remaining: 815ms
475:	learn: 0.3098093	total: 739ms	remaining: 813ms
476:	learn: 0.3096081	total: 741ms	remaining: 812ms
477:	learn: 0.3095636	total: 743ms	remaining: 811ms
478:	learn: 0.3094754	total: 744ms	remaining: 809ms
479:	learn: 0.3092339	total: 746ms	remaining: 808ms
480:	learn: 0.3091163	total: 748ms	remaining: 807ms
481:	learn: 0.3090447	total: 749ms	remaining: 805ms
482:	learn: 0.3089959	total: 750ms	remaining: 803ms
483:	learn: 0.3088766	total: 752ms	remaining: 801ms
484:	learn: 0.3087941	total: 753ms	remaining: 800ms
485:	learn: 0.3086294	total: 754ms	remaining: 798ms
486:	learn: 0.3085362	total: 756ms	remaining: 796ms
487:	learn: 0.3084520	total: 757ms	remaining: 794ms
488:	learn: 0.3084470	total: 757ms	remaining: 791ms
489:	learn: 0.3083184	total: 758ms	remaining: 789ms
490:	learn: 0.3081336	total: 759ms	remaining: 787ms
491:	learn: 0.3079966	total: 760ms	remaining: 785ms
492:	learn: 0.3079547	total: 762ms	remaining: 783ms
493:	learn: 0.3079141	total: 763ms	remaining: 782ms
494:	learn: 0.3078049	total: 764ms	remaining: 780ms
495:	learn: 0.3076943	total: 765ms	remaining: 778ms
496:	learn: 0.3074985	total: 767ms	remaining: 776ms
497:	learn: 0.3073722	total: 768ms	remaining: 774ms
498:	learn: 0.3073537	total: 768ms	remaining: 771ms
499:	learn: 0.3073153	total: 769ms	remaining: 769ms
500:	learn: 0.3072307	total: 770ms	remaining: 767ms
501:	learn: 0.3070933	total: 772ms	remaining: 765ms
502:	learn: 0.3070620	total: 772ms	remaining: 763ms
503:	learn: 0.3070314	total: 773ms	remaining: 761ms
504:	learn: 0.3068963	total: 775ms	remaining: 759ms
505:	learn: 0.3068218	total: 776ms	remaining: 757ms
506:	learn: 0.3066845	total: 777ms	remaining: 755ms
507:	learn: 0.3065081	total: 778ms	remaining: 754ms
508:	learn: 0.3062652	total: 779ms	remaining: 752ms
509:	learn: 0.3062260	total: 781ms	remaining: 750ms
510:	learn: 0.3061392	total: 782ms	remaining: 749ms
511:	learn: 0.3060575	total: 784ms	remaining: 747ms
512:	learn: 0.3059854	total: 785ms	remaining: 745ms
513:	learn: 0.3058018	total: 787ms	remaining: 744ms
514:	learn: 0.3055208	total: 788ms	remaining: 742ms
515:	learn: 0.3055091	total: 789ms	remaining: 740ms
516:	learn: 0.3054129	total: 790ms	remaining: 738ms
517:	learn: 0.3051484	total: 791ms	remaining: 736ms
518:	learn: 0.3049789	total: 793ms	remaining: 734ms
519:	learn: 0.3049613	total: 794ms	remaining: 733ms
520:	learn: 0.3049341	total: 795ms	remaining: 731ms
521:	learn: 0.3047799	total: 797ms	remaining: 730ms
522:	learn: 0.3046033	total: 798ms	remaining: 728ms
523:	learn: 0.3044780	total: 801ms	remaining: 728ms
524:	learn: 0.3044002	total: 802ms	remaining: 726ms
525:	learn: 0.3043464	total: 803ms	remaining: 724ms
526:	learn: 0.3042674	total: 805ms	remaining: 722ms
527:	learn: 0.3040717	total: 806ms	remaining: 720ms
528:	learn: 0.3039704	total: 807ms	remaining: 719ms
529:	learn: 0.3038652	total: 808ms	remaining: 717ms
530:	learn: 0.3036232	total: 810ms	remaining: 715ms
531:	learn: 0.3034818	total: 811ms	remaining: 713ms
532:	learn: 0.3033925	total: 812ms	remaining: 711ms
533:	learn: 0.3032842	total: 813ms	remaining: 710ms
534:	learn: 0.3031679	total: 814ms	remaining: 708ms
535:	learn: 0.3030995	total: 816ms	remaining: 706ms
536:	learn: 0.3029947	total: 817ms	remaining: 704ms
537:	learn: 0.3028772	total: 818ms	remaining: 702ms
538:	learn: 0.3028282	total: 819ms	remaining: 701ms
539:	learn: 0.3028144	total: 820ms	remaining: 698ms
540:	learn: 0.3026669	total: 821ms	remaining: 697ms
541:	learn: 0.3025967	total: 823ms	remaining: 695ms
542:	learn: 0.3024728	total: 824ms	remaining: 693ms
543:	learn: 0.3024145	total: 825ms	remaining: 692ms
544:	learn: 0.3023090	total: 826ms	remaining: 690ms
545:	learn: 0.3020942	total: 828ms	remaining: 688ms
546:	learn: 0.3020076	total: 829ms	remaining: 686ms
547:	learn: 0.3019498	total: 830ms	remaining: 685ms
548:	learn: 0.3017829	total: 831ms	remaining: 683ms
549:	learn: 0.3017184	total: 833ms	remaining: 681ms
550:	learn: 0.3016355	total: 834ms	remaining: 680ms
551:	learn: 0.3015138	total: 835ms	remaining: 678ms
552:	learn: 0.3013345	total: 837ms	remaining: 676ms
553:	learn: 0.3011681	total: 838ms	remaining: 675ms
554:	learn: 0.3011131	total: 839ms	remaining: 673ms
555:	learn: 0.3010124	total: 840ms	remaining: 671ms
556:	learn: 0.3009231	total: 842ms	remaining: 670ms
557:	learn: 0.3006923	total: 844ms	remaining: 669ms
558:	learn: 0.3006170	total: 846ms	remaining: 667ms
559:	learn: 0.3005822	total: 847ms	remaining: 665ms
560:	learn: 0.3005230	total: 848ms	remaining: 664ms
561:	learn: 0.3004697	total: 850ms	remaining: 662ms
562:	learn: 0.3004487	total: 852ms	remaining: 661ms
563:	learn: 0.3002961	total: 853ms	remaining: 659ms
564:	learn: 0.3001198	total: 854ms	remaining: 658ms
565:	learn: 0.3000066	total: 856ms	remaining: 656ms
566:	learn: 0.2998407	total: 857ms	remaining: 654ms
567:	learn: 0.2996676	total: 858ms	remaining: 653ms
568:	learn: 0.2995825	total: 859ms	remaining: 651ms
569:	learn: 0.2994796	total: 860ms	remaining: 649ms
570:	learn: 0.2993035	total: 862ms	remaining: 648ms
571:	learn: 0.2992504	total: 863ms	remaining: 646ms
572:	learn: 0.2991205	total: 865ms	remaining: 645ms
573:	learn: 0.2990972	total: 866ms	remaining: 643ms
574:	learn: 0.2990595	total: 868ms	remaining: 641ms
575:	learn: 0.2990216	total: 869ms	remaining: 640ms
576:	learn: 0.2989278	total: 871ms	remaining: 638ms
577:	learn: 0.2987811	total: 872ms	remaining: 637ms
578:	learn: 0.2987677	total: 874ms	remaining: 635ms
579:	learn: 0.2987025	total: 875ms	remaining: 633ms
580:	learn: 0.2986618	total: 876ms	remaining: 632ms
581:	learn: 0.2985569	total: 877ms	remaining: 630ms
582:	learn: 0.2984518	total: 878ms	remaining: 628ms
583:	learn: 0.2982640	total: 880ms	remaining: 627ms
584:	learn: 0.2982515	total: 881ms	remaining: 625ms
585:	learn: 0.2981238	total: 882ms	remaining: 623ms
586:	learn: 0.2980607	total: 884ms	remaining: 622ms
587:	learn: 0.2979474	total: 886ms	remaining: 621ms
588:	learn: 0.2977712	total: 887ms	remaining: 619ms
589:	learn: 0.2976560	total: 889ms	remaining: 618ms
590:	learn: 0.2975797	total: 890ms	remaining: 616ms
591:	learn: 0.2974360	total: 891ms	remaining: 614ms
592:	learn: 0.2973507	total: 893ms	remaining: 613ms
593:	learn: 0.2972962	total: 894ms	remaining: 611ms
594:	learn: 0.2970888	total: 895ms	remaining: 609ms
595:	learn: 0.2969386	total: 897ms	remaining: 608ms
596:	learn: 0.2967279	total: 898ms	remaining: 607ms
597:	learn: 0.2965379	total: 900ms	remaining: 605ms
598:	learn: 0.2964217	total: 901ms	remaining: 603ms
599:	learn: 0.2963343	total: 903ms	remaining: 602ms
600:	learn: 0.2961791	total: 904ms	remaining: 600ms
601:	learn: 0.2959599	total: 905ms	remaining: 598ms
602:	learn: 0.2957382	total: 906ms	remaining: 597ms
603:	learn: 0.2956116	total: 908ms	remaining: 595ms
604:	learn: 0.2953618	total: 909ms	remaining: 594ms
605:	learn: 0.2953378	total: 910ms	remaining: 592ms
606:	learn: 0.2953057	total: 911ms	remaining: 590ms
607:	learn: 0.2952312	total: 912ms	remaining: 588ms
608:	learn: 0.2950501	total: 913ms	remaining: 586ms
609:	learn: 0.2948210	total: 915ms	remaining: 585ms
610:	learn: 0.2948132	total: 915ms	remaining: 583ms
611:	learn: 0.2946953	total: 917ms	remaining: 581ms
612:	learn: 0.2945516	total: 918ms	remaining: 579ms
613:	learn: 0.2943781	total: 919ms	remaining: 578ms
614:	learn: 0.2942264	total: 920ms	remaining: 576ms
615:	learn: 0.2941798	total: 921ms	remaining: 574ms
616:	learn: 0.2940387	total: 923ms	remaining: 573ms
617:	learn: 0.2939735	total: 924ms	remaining: 571ms
618:	learn: 0.2938582	total: 925ms	remaining: 569ms
619:	learn: 0.2937775	total: 926ms	remaining: 568ms
620:	learn: 0.2936665	total: 927ms	remaining: 566ms
621:	learn: 0.2935053	total: 929ms	remaining: 564ms
622:	learn: 0.2934421	total: 930ms	remaining: 563ms
623:	learn: 0.2932949	total: 931ms	remaining: 561ms
624:	learn: 0.2932119	total: 932ms	remaining: 559ms
625:	learn: 0.2928948	total: 933ms	remaining: 558ms
626:	learn: 0.2928721	total: 935ms	remaining: 556ms
627:	learn: 0.2926474	total: 936ms	remaining: 555ms
628:	learn: 0.2926325	total: 937ms	remaining: 553ms
629:	learn: 0.2925382	total: 938ms	remaining: 551ms
630:	learn: 0.2923890	total: 940ms	remaining: 550ms
631:	learn: 0.2923439	total: 941ms	remaining: 548ms
632:	learn: 0.2921246	total: 942ms	remaining: 546ms
633:	learn: 0.2919881	total: 943ms	remaining: 545ms
634:	learn: 0.2919321	total: 944ms	remaining: 543ms
635:	learn: 0.2918497	total: 946ms	remaining: 541ms
636:	learn: 0.2916338	total: 947ms	remaining: 540ms
637:	learn: 0.2915315	total: 948ms	remaining: 538ms
638:	learn: 0.2914594	total: 950ms	remaining: 537ms
639:	learn: 0.2914006	total: 951ms	remaining: 535ms
640:	learn: 0.2913381	total: 952ms	remaining: 533ms
641:	learn: 0.2911317	total: 953ms	remaining: 531ms
642:	learn: 0.2909688	total: 954ms	remaining: 530ms
643:	learn: 0.2908396	total: 956ms	remaining: 528ms
644:	learn: 0.2908137	total: 957ms	remaining: 527ms
645:	learn: 0.2907573	total: 958ms	remaining: 525ms
646:	learn: 0.2906984	total: 959ms	remaining: 523ms
647:	learn: 0.2904234	total: 961ms	remaining: 522ms
648:	learn: 0.2904122	total: 962ms	remaining: 520ms
649:	learn: 0.2903508	total: 963ms	remaining: 518ms
650:	learn: 0.2902119	total: 964ms	remaining: 517ms
651:	learn: 0.2900668	total: 966ms	remaining: 516ms
652:	learn: 0.2900417	total: 968ms	remaining: 514ms
653:	learn: 0.2899455	total: 969ms	remaining: 513ms
654:	learn: 0.2898062	total: 971ms	remaining: 511ms
655:	learn: 0.2897484	total: 973ms	remaining: 510ms
656:	learn: 0.2896104	total: 974ms	remaining: 508ms
657:	learn: 0.2893721	total: 976ms	remaining: 507ms
658:	learn: 0.2892451	total: 981ms	remaining: 508ms
659:	learn: 0.2891390	total: 983ms	remaining: 506ms
660:	learn: 0.2891291	total: 984ms	remaining: 505ms
661:	learn: 0.2890451	total: 986ms	remaining: 503ms
662:	learn: 0.2889454	total: 987ms	remaining: 502ms
663:	learn: 0.2888732	total: 989ms	remaining: 500ms
664:	learn: 0.2887817	total: 991ms	remaining: 499ms
665:	learn: 0.2886350	total: 992ms	remaining: 497ms
666:	learn: 0.2885543	total: 993ms	remaining: 496ms
667:	learn: 0.2883235	total: 995ms	remaining: 494ms
668:	learn: 0.2882290	total: 997ms	remaining: 493ms
669:	learn: 0.2881546	total: 998ms	remaining: 491ms
670:	learn: 0.2880772	total: 999ms	remaining: 490ms
671:	learn: 0.2879388	total: 1s	remaining: 488ms
672:	learn: 0.2877039	total: 1s	remaining: 487ms
673:	learn: 0.2876439	total: 1s	remaining: 485ms
674:	learn: 0.2875604	total: 1s	remaining: 484ms
675:	learn: 0.2875026	total: 1.01s	remaining: 483ms
676:	learn: 0.2874599	total: 1.01s	remaining: 481ms
677:	learn: 0.2873175	total: 1.01s	remaining: 480ms
678:	learn: 0.2873102	total: 1.01s	remaining: 479ms
679:	learn: 0.2871579	total: 1.01s	remaining: 477ms
680:	learn: 0.2869090	total: 1.01s	remaining: 476ms
681:	learn: 0.2868254	total: 1.02s	remaining: 474ms
682:	learn: 0.2866792	total: 1.02s	remaining: 473ms
683:	learn: 0.2866049	total: 1.02s	remaining: 471ms
684:	learn: 0.2865132	total: 1.02s	remaining: 470ms
685:	learn: 0.2861838	total: 1.02s	remaining: 468ms
686:	learn: 0.2861133	total: 1.02s	remaining: 466ms
687:	learn: 0.2860367	total: 1.02s	remaining: 465ms
688:	learn: 0.2859409	total: 1.02s	remaining: 463ms
689:	learn: 0.2859050	total: 1.03s	remaining: 462ms
690:	learn: 0.2855696	total: 1.03s	remaining: 460ms
691:	learn: 0.2854876	total: 1.03s	remaining: 459ms
692:	learn: 0.2853207	total: 1.03s	remaining: 457ms
693:	learn: 0.2852975	total: 1.03s	remaining: 455ms
694:	learn: 0.2851803	total: 1.03s	remaining: 454ms
695:	learn: 0.2851614	total: 1.03s	remaining: 452ms
696:	learn: 0.2850458	total: 1.04s	remaining: 451ms
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697:	learn: 0.2849634	total: 1.04s	remaining: 449ms
698:	learn: 0.2848010	total: 1.04s	remaining: 447ms
699:	learn: 0.2847302	total: 1.04s	remaining: 446ms
700:	learn: 0.2844818	total: 1.04s	remaining: 445ms
701:	learn: 0.2843957	total: 1.04s	remaining: 443ms
702:	learn: 0.2843289	total: 1.04s	remaining: 442ms
703:	learn: 0.2842880	total: 1.05s	remaining: 440ms
704:	learn: 0.2841905	total: 1.05s	remaining: 439ms
705:	learn: 0.2840475	total: 1.05s	remaining: 437ms
706:	learn: 0.2839749	total: 1.05s	remaining: 435ms
707:	learn: 0.2839396	total: 1.05s	remaining: 434ms
708:	learn: 0.2838400	total: 1.05s	remaining: 432ms
709:	learn: 0.2838001	total: 1.05s	remaining: 431ms
710:	learn: 0.2837246	total: 1.06s	remaining: 429ms
711:	learn: 0.2836835	total: 1.06s	remaining: 428ms
712:	learn: 0.2835213	total: 1.06s	remaining: 426ms
713:	learn: 0.2835066	total: 1.06s	remaining: 424ms
714:	learn: 0.2834362	total: 1.06s	remaining: 423ms
715:	learn: 0.2833010	total: 1.06s	remaining: 421ms
716:	learn: 0.2832267	total: 1.06s	remaining: 419ms
717:	learn: 0.2831324	total: 1.06s	remaining: 418ms
718:	learn: 0.2830807	total: 1.06s	remaining: 416ms
719:	learn: 0.2830592	total: 1.06s	remaining: 414ms
720:	learn: 0.2828955	total: 1.07s	remaining: 413ms
721:	learn: 0.2827327	total: 1.07s	remaining: 411ms
722:	learn: 0.2827192	total: 1.07s	remaining: 410ms
723:	learn: 0.2825012	total: 1.07s	remaining: 408ms
724:	learn: 0.2822586	total: 1.07s	remaining: 407ms
725:	learn: 0.2820800	total: 1.07s	remaining: 405ms
726:	learn: 0.2820397	total: 1.07s	remaining: 403ms
727:	learn: 0.2817383	total: 1.07s	remaining: 402ms
728:	learn: 0.2817091	total: 1.08s	remaining: 400ms
729:	learn: 0.2816515	total: 1.08s	remaining: 399ms
730:	learn: 0.2815564	total: 1.08s	remaining: 397ms
731:	learn: 0.2813695	total: 1.08s	remaining: 396ms
732:	learn: 0.2812795	total: 1.08s	remaining: 394ms
733:	learn: 0.2811799	total: 1.08s	remaining: 393ms
734:	learn: 0.2811343	total: 1.08s	remaining: 391ms
735:	learn: 0.2810140	total: 1.09s	remaining: 390ms
736:	learn: 0.2809888	total: 1.09s	remaining: 388ms
737:	learn: 0.2809542	total: 1.09s	remaining: 387ms
738:	learn: 0.2808759	total: 1.09s	remaining: 385ms
739:	learn: 0.2807346	total: 1.09s	remaining: 384ms
740:	learn: 0.2805968	total: 1.09s	remaining: 383ms
741:	learn: 0.2805576	total: 1.09s	remaining: 381ms
742:	learn: 0.2804474	total: 1.1s	remaining: 379ms
743:	learn: 0.2802351	total: 1.1s	remaining: 378ms
744:	learn: 0.2801527	total: 1.1s	remaining: 377ms
745:	learn: 0.2799470	total: 1.1s	remaining: 375ms
746:	learn: 0.2798645	total: 1.1s	remaining: 374ms
747:	learn: 0.2797603	total: 1.1s	remaining: 372ms
748:	learn: 0.2797375	total: 1.1s	remaining: 371ms
749:	learn: 0.2795797	total: 1.11s	remaining: 369ms
750:	learn: 0.2795559	total: 1.11s	remaining: 368ms
751:	learn: 0.2795142	total: 1.11s	remaining: 366ms
752:	learn: 0.2794350	total: 1.11s	remaining: 365ms
753:	learn: 0.2793163	total: 1.11s	remaining: 364ms
754:	learn: 0.2792695	total: 1.12s	remaining: 362ms
755:	learn: 0.2792445	total: 1.12s	remaining: 361ms
756:	learn: 0.2790809	total: 1.12s	remaining: 359ms
757:	learn: 0.2790367	total: 1.12s	remaining: 358ms
758:	learn: 0.2788562	total: 1.12s	remaining: 356ms
759:	learn: 0.2787511	total: 1.12s	remaining: 355ms
760:	learn: 0.2786919	total: 1.12s	remaining: 353ms
761:	learn: 0.2785820	total: 1.13s	remaining: 352ms
762:	learn: 0.2784787	total: 1.13s	remaining: 350ms
763:	learn: 0.2784037	total: 1.13s	remaining: 349ms
764:	learn: 0.2783160	total: 1.13s	remaining: 347ms
765:	learn: 0.2782111	total: 1.13s	remaining: 346ms
766:	learn: 0.2780940	total: 1.13s	remaining: 344ms
767:	learn: 0.2779693	total: 1.14s	remaining: 343ms
768:	learn: 0.2776700	total: 1.14s	remaining: 342ms
769:	learn: 0.2775945	total: 1.14s	remaining: 340ms
770:	learn: 0.2775208	total: 1.14s	remaining: 339ms
771:	learn: 0.2772717	total: 1.14s	remaining: 337ms
772:	learn: 0.2770934	total: 1.14s	remaining: 336ms
773:	learn: 0.2769730	total: 1.14s	remaining: 334ms
774:	learn: 0.2769005	total: 1.15s	remaining: 333ms
775:	learn: 0.2768029	total: 1.15s	remaining: 331ms
776:	learn: 0.2767398	total: 1.15s	remaining: 330ms
777:	learn: 0.2766410	total: 1.15s	remaining: 328ms
778:	learn: 0.2765627	total: 1.15s	remaining: 327ms
779:	learn: 0.2765053	total: 1.15s	remaining: 325ms
780:	learn: 0.2763183	total: 1.15s	remaining: 324ms
781:	learn: 0.2761641	total: 1.16s	remaining: 322ms
782:	learn: 0.2760365	total: 1.16s	remaining: 321ms
783:	learn: 0.2759405	total: 1.16s	remaining: 319ms
784:	learn: 0.2758471	total: 1.16s	remaining: 318ms
785:	learn: 0.2758152	total: 1.16s	remaining: 316ms
786:	learn: 0.2756935	total: 1.16s	remaining: 315ms
787:	learn: 0.2756177	total: 1.16s	remaining: 313ms
788:	learn: 0.2755373	total: 1.17s	remaining: 312ms
789:	learn: 0.2753519	total: 1.17s	remaining: 310ms
790:	learn: 0.2753187	total: 1.17s	remaining: 309ms
791:	learn: 0.2752942	total: 1.17s	remaining: 307ms
792:	learn: 0.2752892	total: 1.17s	remaining: 306ms
793:	learn: 0.2752080	total: 1.17s	remaining: 304ms
794:	learn: 0.2751384	total: 1.17s	remaining: 303ms
795:	learn: 0.2750213	total: 1.17s	remaining: 301ms
796:	learn: 0.2749302	total: 1.18s	remaining: 300ms
797:	learn: 0.2748724	total: 1.18s	remaining: 298ms
798:	learn: 0.2747950	total: 1.18s	remaining: 297ms
799:	learn: 0.2746565	total: 1.18s	remaining: 295ms
800:	learn: 0.2745818	total: 1.18s	remaining: 293ms
801:	learn: 0.2743971	total: 1.18s	remaining: 292ms
802:	learn: 0.2743425	total: 1.18s	remaining: 290ms
803:	learn: 0.2742451	total: 1.18s	remaining: 289ms
804:	learn: 0.2741809	total: 1.19s	remaining: 287ms
805:	learn: 0.2740863	total: 1.19s	remaining: 286ms
806:	learn: 0.2740098	total: 1.19s	remaining: 284ms
807:	learn: 0.2739890	total: 1.19s	remaining: 282ms
808:	learn: 0.2739460	total: 1.19s	remaining: 281ms
809:	learn: 0.2738843	total: 1.19s	remaining: 279ms
810:	learn: 0.2737891	total: 1.19s	remaining: 278ms
811:	learn: 0.2734841	total: 1.2s	remaining: 277ms
812:	learn: 0.2732976	total: 1.2s	remaining: 275ms
813:	learn: 0.2732492	total: 1.2s	remaining: 274ms
814:	learn: 0.2731827	total: 1.2s	remaining: 272ms
815:	learn: 0.2730938	total: 1.2s	remaining: 271ms
816:	learn: 0.2730292	total: 1.2s	remaining: 269ms
817:	learn: 0.2729250	total: 1.2s	remaining: 268ms
818:	learn: 0.2728190	total: 1.2s	remaining: 266ms
819:	learn: 0.2727124	total: 1.21s	remaining: 265ms
820:	learn: 0.2726612	total: 1.21s	remaining: 263ms
821:	learn: 0.2725765	total: 1.21s	remaining: 262ms
822:	learn: 0.2723337	total: 1.21s	remaining: 260ms
823:	learn: 0.2722639	total: 1.21s	remaining: 259ms
824:	learn: 0.2721653	total: 1.21s	remaining: 257ms
825:	learn: 0.2720876	total: 1.22s	remaining: 256ms
826:	learn: 0.2719524	total: 1.22s	remaining: 255ms
827:	learn: 0.2718818	total: 1.22s	remaining: 253ms
828:	learn: 0.2718383	total: 1.22s	remaining: 252ms
829:	learn: 0.2717481	total: 1.22s	remaining: 251ms
830:	learn: 0.2717143	total: 1.23s	remaining: 249ms
831:	learn: 0.2716373	total: 1.23s	remaining: 248ms
832:	learn: 0.2715141	total: 1.23s	remaining: 246ms
833:	learn: 0.2714067	total: 1.23s	remaining: 245ms
834:	learn: 0.2713121	total: 1.23s	remaining: 243ms
835:	learn: 0.2711973	total: 1.23s	remaining: 242ms
836:	learn: 0.2710069	total: 1.23s	remaining: 240ms
837:	learn: 0.2707725	total: 1.23s	remaining: 239ms
838:	learn: 0.2705023	total: 1.24s	remaining: 237ms
839:	learn: 0.2704683	total: 1.24s	remaining: 236ms
840:	learn: 0.2702851	total: 1.24s	remaining: 234ms
841:	learn: 0.2699585	total: 1.24s	remaining: 233ms
842:	learn: 0.2698295	total: 1.24s	remaining: 232ms
843:	learn: 0.2697703	total: 1.24s	remaining: 230ms
844:	learn: 0.2696851	total: 1.25s	remaining: 228ms
845:	learn: 0.2695843	total: 1.25s	remaining: 227ms
846:	learn: 0.2694695	total: 1.25s	remaining: 226ms
847:	learn: 0.2693121	total: 1.25s	remaining: 224ms
848:	learn: 0.2691044	total: 1.25s	remaining: 223ms
849:	learn: 0.2689881	total: 1.25s	remaining: 221ms
850:	learn: 0.2686386	total: 1.25s	remaining: 219ms
851:	learn: 0.2685261	total: 1.25s	remaining: 218ms
852:	learn: 0.2684574	total: 1.25s	remaining: 216ms
853:	learn: 0.2681995	total: 1.26s	remaining: 215ms
854:	learn: 0.2680815	total: 1.26s	remaining: 213ms
855:	learn: 0.2680048	total: 1.26s	remaining: 212ms
856:	learn: 0.2679412	total: 1.26s	remaining: 210ms
857:	learn: 0.2678219	total: 1.26s	remaining: 209ms
858:	learn: 0.2677417	total: 1.26s	remaining: 207ms
859:	learn: 0.2676384	total: 1.26s	remaining: 206ms
860:	learn: 0.2673563	total: 1.27s	remaining: 204ms
861:	learn: 0.2673163	total: 1.27s	remaining: 203ms
862:	learn: 0.2671640	total: 1.27s	remaining: 201ms
863:	learn: 0.2671102	total: 1.27s	remaining: 200ms
864:	learn: 0.2669702	total: 1.27s	remaining: 198ms
865:	learn: 0.2669088	total: 1.27s	remaining: 197ms
866:	learn: 0.2668399	total: 1.27s	remaining: 195ms
867:	learn: 0.2667032	total: 1.27s	remaining: 194ms
868:	learn: 0.2666461	total: 1.27s	remaining: 192ms
869:	learn: 0.2665127	total: 1.28s	remaining: 191ms
870:	learn: 0.2664517	total: 1.28s	remaining: 189ms
871:	learn: 0.2664123	total: 1.28s	remaining: 188ms
872:	learn: 0.2663491	total: 1.28s	remaining: 186ms
873:	learn: 0.2661134	total: 1.28s	remaining: 185ms
874:	learn: 0.2660423	total: 1.28s	remaining: 183ms
875:	learn: 0.2659931	total: 1.28s	remaining: 182ms
876:	learn: 0.2657054	total: 1.28s	remaining: 180ms
877:	learn: 0.2656615	total: 1.29s	remaining: 179ms
878:	learn: 0.2655970	total: 1.29s	remaining: 177ms
879:	learn: 0.2654784	total: 1.29s	remaining: 176ms
880:	learn: 0.2654593	total: 1.29s	remaining: 174ms
881:	learn: 0.2654156	total: 1.29s	remaining: 173ms
882:	learn: 0.2653018	total: 1.29s	remaining: 171ms
883:	learn: 0.2651293	total: 1.29s	remaining: 170ms
884:	learn: 0.2650376	total: 1.3s	remaining: 169ms
885:	learn: 0.2647559	total: 1.3s	remaining: 167ms
886:	learn: 0.2646905	total: 1.3s	remaining: 166ms
887:	learn: 0.2646252	total: 1.3s	remaining: 164ms
888:	learn: 0.2645481	total: 1.3s	remaining: 163ms
889:	learn: 0.2644449	total: 1.3s	remaining: 161ms
890:	learn: 0.2643279	total: 1.31s	remaining: 160ms
891:	learn: 0.2642010	total: 1.31s	remaining: 158ms
892:	learn: 0.2641257	total: 1.31s	remaining: 157ms
893:	learn: 0.2640613	total: 1.31s	remaining: 155ms
894:	learn: 0.2640124	total: 1.31s	remaining: 154ms
895:	learn: 0.2639418	total: 1.31s	remaining: 153ms
896:	learn: 0.2637394	total: 1.31s	remaining: 151ms
897:	learn: 0.2636314	total: 1.32s	remaining: 150ms
898:	learn: 0.2635680	total: 1.32s	remaining: 148ms
899:	learn: 0.2634397	total: 1.32s	remaining: 147ms
900:	learn: 0.2633755	total: 1.32s	remaining: 145ms
901:	learn: 0.2633247	total: 1.32s	remaining: 144ms
902:	learn: 0.2632382	total: 1.32s	remaining: 142ms
903:	learn: 0.2631354	total: 1.33s	remaining: 141ms
904:	learn: 0.2630300	total: 1.33s	remaining: 140ms
905:	learn: 0.2629026	total: 1.33s	remaining: 138ms
906:	learn: 0.2628470	total: 1.33s	remaining: 137ms
907:	learn: 0.2627739	total: 1.33s	remaining: 135ms
908:	learn: 0.2627476	total: 1.34s	remaining: 134ms
909:	learn: 0.2626821	total: 1.34s	remaining: 132ms
910:	learn: 0.2625217	total: 1.34s	remaining: 131ms
911:	learn: 0.2623633	total: 1.34s	remaining: 129ms
912:	learn: 0.2621384	total: 1.34s	remaining: 128ms
913:	learn: 0.2619527	total: 1.34s	remaining: 126ms
914:	learn: 0.2618972	total: 1.34s	remaining: 125ms
915:	learn: 0.2618482	total: 1.35s	remaining: 124ms
916:	learn: 0.2617493	total: 1.35s	remaining: 122ms
917:	learn: 0.2616616	total: 1.35s	remaining: 121ms
918:	learn: 0.2614796	total: 1.35s	remaining: 119ms
919:	learn: 0.2613763	total: 1.35s	remaining: 118ms
920:	learn: 0.2612861	total: 1.35s	remaining: 116ms
921:	learn: 0.2612209	total: 1.36s	remaining: 115ms
922:	learn: 0.2610377	total: 1.36s	remaining: 113ms
923:	learn: 0.2608211	total: 1.36s	remaining: 112ms
924:	learn: 0.2607228	total: 1.36s	remaining: 110ms
925:	learn: 0.2606500	total: 1.36s	remaining: 109ms
926:	learn: 0.2604062	total: 1.36s	remaining: 107ms
927:	learn: 0.2603254	total: 1.36s	remaining: 106ms
928:	learn: 0.2602210	total: 1.36s	remaining: 104ms
929:	learn: 0.2601499	total: 1.37s	remaining: 103ms
930:	learn: 0.2600742	total: 1.37s	remaining: 101ms
931:	learn: 0.2600229	total: 1.37s	remaining: 99.9ms
932:	learn: 0.2599363	total: 1.37s	remaining: 98.4ms
933:	learn: 0.2597528	total: 1.37s	remaining: 96.9ms
934:	learn: 0.2596486	total: 1.37s	remaining: 95.4ms
935:	learn: 0.2595467	total: 1.37s	remaining: 93.9ms
936:	learn: 0.2593437	total: 1.37s	remaining: 92.4ms
937:	learn: 0.2592454	total: 1.38s	remaining: 90.9ms
938:	learn: 0.2592037	total: 1.38s	remaining: 89.4ms
939:	learn: 0.2590798	total: 1.38s	remaining: 87.9ms
940:	learn: 0.2590192	total: 1.38s	remaining: 86.5ms
941:	learn: 0.2589500	total: 1.38s	remaining: 85ms
942:	learn: 0.2588478	total: 1.38s	remaining: 83.5ms
943:	learn: 0.2587876	total: 1.38s	remaining: 82ms
944:	learn: 0.2587361	total: 1.38s	remaining: 80.5ms
945:	learn: 0.2586720	total: 1.38s	remaining: 79ms
946:	learn: 0.2585971	total: 1.39s	remaining: 77.6ms
947:	learn: 0.2584505	total: 1.39s	remaining: 76.1ms
948:	learn: 0.2583782	total: 1.39s	remaining: 74.6ms
949:	learn: 0.2583316	total: 1.39s	remaining: 73.1ms
950:	learn: 0.2582815	total: 1.39s	remaining: 71.7ms
951:	learn: 0.2582235	total: 1.39s	remaining: 70.2ms
952:	learn: 0.2581374	total: 1.39s	remaining: 68.7ms
953:	learn: 0.2580774	total: 1.39s	remaining: 67.3ms
954:	learn: 0.2579877	total: 1.4s	remaining: 65.8ms
955:	learn: 0.2578873	total: 1.4s	remaining: 64.3ms
956:	learn: 0.2576836	total: 1.4s	remaining: 62.9ms
957:	learn: 0.2576176	total: 1.4s	remaining: 61.4ms
958:	learn: 0.2575534	total: 1.4s	remaining: 59.9ms
959:	learn: 0.2574655	total: 1.4s	remaining: 58.5ms
960:	learn: 0.2573293	total: 1.4s	remaining: 57ms
961:	learn: 0.2571881	total: 1.41s	remaining: 55.5ms
962:	learn: 0.2570110	total: 1.41s	remaining: 54.1ms
963:	learn: 0.2567776	total: 1.41s	remaining: 52.6ms
964:	learn: 0.2567296	total: 1.41s	remaining: 51.2ms
965:	learn: 0.2565381	total: 1.41s	remaining: 49.7ms
966:	learn: 0.2564701	total: 1.41s	remaining: 48.3ms
967:	learn: 0.2564172	total: 1.42s	remaining: 46.8ms
968:	learn: 0.2562812	total: 1.42s	remaining: 45.3ms
969:	learn: 0.2562165	total: 1.42s	remaining: 43.8ms
970:	learn: 0.2561682	total: 1.42s	remaining: 42.4ms
971:	learn: 0.2559556	total: 1.42s	remaining: 40.9ms
972:	learn: 0.2558215	total: 1.42s	remaining: 39.5ms
973:	learn: 0.2557676	total: 1.42s	remaining: 38ms
974:	learn: 0.2556791	total: 1.42s	remaining: 36.5ms
975:	learn: 0.2554815	total: 1.43s	remaining: 35.1ms
976:	learn: 0.2553885	total: 1.43s	remaining: 33.6ms
977:	learn: 0.2551907	total: 1.43s	remaining: 32.1ms
978:	learn: 0.2549156	total: 1.43s	remaining: 30.7ms
979:	learn: 0.2548539	total: 1.43s	remaining: 29.2ms
980:	learn: 0.2547924	total: 1.43s	remaining: 27.7ms
981:	learn: 0.2547445	total: 1.43s	remaining: 26.3ms
982:	learn: 0.2546812	total: 1.43s	remaining: 24.8ms
983:	learn: 0.2545032	total: 1.44s	remaining: 23.3ms
984:	learn: 0.2544660	total: 1.44s	remaining: 21.9ms
985:	learn: 0.2542088	total: 1.44s	remaining: 20.4ms
986:	learn: 0.2541190	total: 1.44s	remaining: 19ms
987:	learn: 0.2540235	total: 1.44s	remaining: 17.5ms
988:	learn: 0.2538105	total: 1.44s	remaining: 16ms
989:	learn: 0.2537097	total: 1.44s	remaining: 14.6ms
990:	learn: 0.2535922	total: 1.44s	remaining: 13.1ms
991:	learn: 0.2534711	total: 1.45s	remaining: 11.7ms
992:	learn: 0.2533225	total: 1.45s	remaining: 10.2ms
993:	learn: 0.2531791	total: 1.45s	remaining: 8.74ms
994:	learn: 0.2531061	total: 1.45s	remaining: 7.28ms
995:	learn: 0.2530113	total: 1.45s	remaining: 5.82ms
996:	learn: 0.2528643	total: 1.45s	remaining: 4.37ms
997:	learn: 0.2526444	total: 1.45s	remaining: 2.91ms
998:	learn: 0.2524323	total: 1.45s	remaining: 1.46ms
999:	learn: 0.2523730	total: 1.46s	remaining: 0us
Learning rate set to 0.009376
0:	learn: 0.6867942	total: 2.1ms	remaining: 2.09s
1:	learn: 0.6834785	total: 2.52ms	remaining: 1.26s
2:	learn: 0.6781399	total: 3.99ms	remaining: 1.33s
3:	learn: 0.6725586	total: 9.09ms	remaining: 2.26s
4:	learn: 0.6666868	total: 12.5ms	remaining: 2.49s
5:	learn: 0.6615355	total: 14ms	remaining: 2.32s
6:	learn: 0.6556723	total: 15.4ms	remaining: 2.18s
7:	learn: 0.6505428	total: 16.7ms	remaining: 2.07s
8:	learn: 0.6448903	total: 18ms	remaining: 1.98s
9:	learn: 0.6395347	total: 19.2ms	remaining: 1.9s
10:	learn: 0.6352672	total: 20.1ms	remaining: 1.8s
11:	learn: 0.6310173	total: 21ms	remaining: 1.73s
12:	learn: 0.6263591	total: 22.2ms	remaining: 1.69s
13:	learn: 0.6223227	total: 23.5ms	remaining: 1.66s
14:	learn: 0.6178346	total: 24.9ms	remaining: 1.63s
15:	learn: 0.6130028	total: 26.2ms	remaining: 1.61s
16:	learn: 0.6094121	total: 27.1ms	remaining: 1.56s
17:	learn: 0.6049218	total: 28.2ms	remaining: 1.54s
18:	learn: 0.6003676	total: 29.7ms	remaining: 1.53s
19:	learn: 0.5967729	total: 30.4ms	remaining: 1.49s
20:	learn: 0.5932076	total: 31.3ms	remaining: 1.46s
21:	learn: 0.5894260	total: 32.9ms	remaining: 1.46s
22:	learn: 0.5863162	total: 34.1ms	remaining: 1.45s
23:	learn: 0.5821156	total: 35.6ms	remaining: 1.45s
24:	learn: 0.5779217	total: 37ms	remaining: 1.44s
25:	learn: 0.5749656	total: 38.1ms	remaining: 1.43s
26:	learn: 0.5717147	total: 39.6ms	remaining: 1.43s
27:	learn: 0.5675971	total: 41.2ms	remaining: 1.43s
28:	learn: 0.5642425	total: 42.3ms	remaining: 1.42s
29:	learn: 0.5608759	total: 43.6ms	remaining: 1.41s
30:	learn: 0.5575055	total: 45ms	remaining: 1.41s
31:	learn: 0.5545809	total: 46.4ms	remaining: 1.4s
32:	learn: 0.5517100	total: 47.8ms	remaining: 1.4s
33:	learn: 0.5482000	total: 49.1ms	remaining: 1.39s
34:	learn: 0.5453531	total: 50.2ms	remaining: 1.39s
35:	learn: 0.5428083	total: 51.1ms	remaining: 1.37s
36:	learn: 0.5398543	total: 52.4ms	remaining: 1.36s
37:	learn: 0.5376498	total: 53.1ms	remaining: 1.34s
38:	learn: 0.5350669	total: 54ms	remaining: 1.33s
39:	learn: 0.5333403	total: 55ms	remaining: 1.32s
40:	learn: 0.5301271	total: 56.4ms	remaining: 1.32s
41:	learn: 0.5275619	total: 57.6ms	remaining: 1.31s
42:	learn: 0.5253206	total: 58.7ms	remaining: 1.31s
43:	learn: 0.5234718	total: 59.5ms	remaining: 1.29s
44:	learn: 0.5207867	total: 61.1ms	remaining: 1.3s
45:	learn: 0.5183210	total: 62.3ms	remaining: 1.29s
46:	learn: 0.5166498	total: 62.8ms	remaining: 1.27s
47:	learn: 0.5139792	total: 64ms	remaining: 1.27s
48:	learn: 0.5111969	total: 65.4ms	remaining: 1.27s
49:	learn: 0.5101534	total: 65.9ms	remaining: 1.25s
50:	learn: 0.5079911	total: 66.9ms	remaining: 1.25s
51:	learn: 0.5055179	total: 68.6ms	remaining: 1.25s
52:	learn: 0.5037385	total: 69.7ms	remaining: 1.25s
53:	learn: 0.5014479	total: 71ms	remaining: 1.24s
54:	learn: 0.4994874	total: 72.3ms	remaining: 1.24s
55:	learn: 0.4970194	total: 73.6ms	remaining: 1.24s
56:	learn: 0.4951997	total: 75.6ms	remaining: 1.25s
57:	learn: 0.4930728	total: 77.3ms	remaining: 1.25s
58:	learn: 0.4914362	total: 78.5ms	remaining: 1.25s
59:	learn: 0.4892079	total: 79.9ms	remaining: 1.25s
60:	learn: 0.4870173	total: 82ms	remaining: 1.26s
61:	learn: 0.4850371	total: 83.7ms	remaining: 1.27s
62:	learn: 0.4836449	total: 84.9ms	remaining: 1.26s
63:	learn: 0.4822743	total: 86.2ms	remaining: 1.26s
64:	learn: 0.4805107	total: 87.5ms	remaining: 1.26s
65:	learn: 0.4786568	total: 89.1ms	remaining: 1.26s
66:	learn: 0.4769106	total: 91.1ms	remaining: 1.27s
67:	learn: 0.4752018	total: 93.2ms	remaining: 1.28s
68:	learn: 0.4735806	total: 94.6ms	remaining: 1.28s
69:	learn: 0.4719413	total: 95.9ms	remaining: 1.27s
70:	learn: 0.4704084	total: 97ms	remaining: 1.27s
71:	learn: 0.4690388	total: 98.3ms	remaining: 1.27s
72:	learn: 0.4673602	total: 99.6ms	remaining: 1.26s
73:	learn: 0.4656115	total: 101ms	remaining: 1.26s
74:	learn: 0.4650345	total: 102ms	remaining: 1.25s
75:	learn: 0.4638694	total: 104ms	remaining: 1.26s
76:	learn: 0.4623378	total: 106ms	remaining: 1.26s
77:	learn: 0.4609729	total: 107ms	remaining: 1.27s
78:	learn: 0.4594286	total: 108ms	remaining: 1.26s
79:	learn: 0.4582962	total: 110ms	remaining: 1.26s
80:	learn: 0.4571799	total: 111ms	remaining: 1.26s
81:	learn: 0.4564801	total: 112ms	remaining: 1.26s
82:	learn: 0.4553227	total: 114ms	remaining: 1.26s
83:	learn: 0.4541452	total: 117ms	remaining: 1.27s
84:	learn: 0.4529422	total: 118ms	remaining: 1.27s
85:	learn: 0.4516923	total: 120ms	remaining: 1.27s
86:	learn: 0.4503585	total: 122ms	remaining: 1.27s
87:	learn: 0.4489801	total: 123ms	remaining: 1.27s
88:	learn: 0.4477872	total: 125ms	remaining: 1.28s
89:	learn: 0.4467556	total: 127ms	remaining: 1.28s
90:	learn: 0.4459394	total: 127ms	remaining: 1.27s
91:	learn: 0.4446519	total: 129ms	remaining: 1.27s
92:	learn: 0.4434546	total: 131ms	remaining: 1.27s
93:	learn: 0.4425913	total: 133ms	remaining: 1.28s
94:	learn: 0.4416759	total: 134ms	remaining: 1.28s
95:	learn: 0.4406992	total: 136ms	remaining: 1.28s
96:	learn: 0.4398273	total: 138ms	remaining: 1.28s
97:	learn: 0.4388669	total: 140ms	remaining: 1.28s
98:	learn: 0.4376122	total: 141ms	remaining: 1.28s
99:	learn: 0.4369223	total: 142ms	remaining: 1.28s
100:	learn: 0.4360109	total: 144ms	remaining: 1.28s
101:	learn: 0.4351130	total: 145ms	remaining: 1.28s
102:	learn: 0.4342564	total: 147ms	remaining: 1.28s
103:	learn: 0.4337703	total: 148ms	remaining: 1.27s
104:	learn: 0.4330055	total: 150ms	remaining: 1.28s
105:	learn: 0.4321506	total: 152ms	remaining: 1.28s
106:	learn: 0.4312570	total: 154ms	remaining: 1.28s
107:	learn: 0.4305010	total: 155ms	remaining: 1.28s
108:	learn: 0.4299173	total: 156ms	remaining: 1.27s
109:	learn: 0.4289009	total: 157ms	remaining: 1.27s
110:	learn: 0.4283534	total: 159ms	remaining: 1.27s
111:	learn: 0.4276049	total: 160ms	remaining: 1.27s
112:	learn: 0.4265738	total: 162ms	remaining: 1.27s
113:	learn: 0.4257636	total: 164ms	remaining: 1.27s
114:	learn: 0.4249297	total: 166ms	remaining: 1.27s
115:	learn: 0.4239021	total: 167ms	remaining: 1.27s
116:	learn: 0.4230586	total: 169ms	remaining: 1.27s
117:	learn: 0.4224840	total: 171ms	remaining: 1.28s
118:	learn: 0.4220362	total: 173ms	remaining: 1.28s
119:	learn: 0.4213329	total: 176ms	remaining: 1.29s
120:	learn: 0.4205750	total: 177ms	remaining: 1.29s
121:	learn: 0.4201033	total: 179ms	remaining: 1.29s
122:	learn: 0.4195237	total: 181ms	remaining: 1.29s
123:	learn: 0.4189211	total: 182ms	remaining: 1.29s
124:	learn: 0.4181540	total: 184ms	remaining: 1.29s
125:	learn: 0.4173870	total: 186ms	remaining: 1.29s
126:	learn: 0.4169089	total: 188ms	remaining: 1.29s
127:	learn: 0.4162295	total: 190ms	remaining: 1.29s
128:	learn: 0.4156363	total: 191ms	remaining: 1.29s
129:	learn: 0.4149096	total: 193ms	remaining: 1.29s
130:	learn: 0.4141923	total: 195ms	remaining: 1.29s
131:	learn: 0.4134593	total: 197ms	remaining: 1.29s
132:	learn: 0.4129573	total: 199ms	remaining: 1.29s
133:	learn: 0.4123650	total: 200ms	remaining: 1.29s
134:	learn: 0.4119312	total: 202ms	remaining: 1.29s
135:	learn: 0.4116918	total: 203ms	remaining: 1.29s
136:	learn: 0.4113386	total: 205ms	remaining: 1.29s
137:	learn: 0.4108136	total: 206ms	remaining: 1.29s
138:	learn: 0.4103609	total: 208ms	remaining: 1.29s
139:	learn: 0.4096689	total: 209ms	remaining: 1.28s
140:	learn: 0.4092065	total: 210ms	remaining: 1.28s
141:	learn: 0.4087552	total: 212ms	remaining: 1.28s
142:	learn: 0.4082381	total: 213ms	remaining: 1.28s
143:	learn: 0.4078256	total: 215ms	remaining: 1.28s
144:	learn: 0.4072436	total: 216ms	remaining: 1.27s
145:	learn: 0.4066652	total: 218ms	remaining: 1.27s
146:	learn: 0.4061881	total: 219ms	remaining: 1.27s
147:	learn: 0.4058820	total: 221ms	remaining: 1.27s
148:	learn: 0.4055033	total: 222ms	remaining: 1.27s
149:	learn: 0.4050586	total: 224ms	remaining: 1.27s
150:	learn: 0.4046713	total: 225ms	remaining: 1.26s
151:	learn: 0.4043505	total: 226ms	remaining: 1.26s
152:	learn: 0.4039052	total: 227ms	remaining: 1.26s
153:	learn: 0.4031885	total: 229ms	remaining: 1.26s
154:	learn: 0.4027490	total: 231ms	remaining: 1.26s
155:	learn: 0.4022510	total: 233ms	remaining: 1.26s
156:	learn: 0.4019172	total: 234ms	remaining: 1.25s
157:	learn: 0.4015846	total: 235ms	remaining: 1.25s
158:	learn: 0.4012709	total: 236ms	remaining: 1.25s
159:	learn: 0.4009858	total: 237ms	remaining: 1.25s
160:	learn: 0.4006109	total: 238ms	remaining: 1.24s
161:	learn: 0.4002014	total: 240ms	remaining: 1.24s
162:	learn: 0.3997602	total: 242ms	remaining: 1.24s
163:	learn: 0.3994028	total: 243ms	remaining: 1.24s
164:	learn: 0.3991531	total: 244ms	remaining: 1.24s
165:	learn: 0.3989224	total: 246ms	remaining: 1.23s
166:	learn: 0.3983053	total: 247ms	remaining: 1.23s
167:	learn: 0.3978019	total: 248ms	remaining: 1.23s
168:	learn: 0.3975614	total: 250ms	remaining: 1.23s
169:	learn: 0.3973005	total: 251ms	remaining: 1.22s
170:	learn: 0.3970489	total: 252ms	remaining: 1.22s
171:	learn: 0.3966501	total: 254ms	remaining: 1.22s
172:	learn: 0.3961467	total: 255ms	remaining: 1.22s
173:	learn: 0.3958017	total: 257ms	remaining: 1.22s
174:	learn: 0.3953174	total: 258ms	remaining: 1.22s
175:	learn: 0.3949356	total: 259ms	remaining: 1.21s
176:	learn: 0.3946778	total: 261ms	remaining: 1.21s
177:	learn: 0.3942222	total: 262ms	remaining: 1.21s
178:	learn: 0.3938144	total: 263ms	remaining: 1.21s
179:	learn: 0.3935029	total: 264ms	remaining: 1.2s
180:	learn: 0.3930452	total: 265ms	remaining: 1.2s
181:	learn: 0.3927362	total: 267ms	remaining: 1.2s
182:	learn: 0.3925963	total: 268ms	remaining: 1.2s
183:	learn: 0.3922489	total: 270ms	remaining: 1.2s
184:	learn: 0.3918166	total: 271ms	remaining: 1.19s
185:	learn: 0.3915642	total: 273ms	remaining: 1.19s
186:	learn: 0.3913406	total: 274ms	remaining: 1.19s
187:	learn: 0.3908940	total: 275ms	remaining: 1.19s
188:	learn: 0.3905419	total: 277ms	remaining: 1.19s
189:	learn: 0.3903672	total: 278ms	remaining: 1.19s
190:	learn: 0.3900544	total: 280ms	remaining: 1.19s
191:	learn: 0.3897586	total: 281ms	remaining: 1.18s
192:	learn: 0.3893223	total: 283ms	remaining: 1.18s
193:	learn: 0.3889984	total: 285ms	remaining: 1.18s
194:	learn: 0.3887312	total: 286ms	remaining: 1.18s
195:	learn: 0.3884354	total: 288ms	remaining: 1.18s
196:	learn: 0.3881777	total: 289ms	remaining: 1.18s
197:	learn: 0.3880575	total: 291ms	remaining: 1.18s
198:	learn: 0.3878692	total: 293ms	remaining: 1.18s
199:	learn: 0.3874252	total: 294ms	remaining: 1.18s
200:	learn: 0.3871245	total: 295ms	remaining: 1.17s
201:	learn: 0.3867519	total: 296ms	remaining: 1.17s
202:	learn: 0.3864762	total: 298ms	remaining: 1.17s
203:	learn: 0.3860081	total: 300ms	remaining: 1.17s
204:	learn: 0.3858659	total: 301ms	remaining: 1.17s
205:	learn: 0.3857217	total: 302ms	remaining: 1.16s
206:	learn: 0.3853711	total: 303ms	remaining: 1.16s
207:	learn: 0.3850784	total: 305ms	remaining: 1.16s
208:	learn: 0.3847925	total: 306ms	remaining: 1.16s
209:	learn: 0.3844765	total: 308ms	remaining: 1.16s
210:	learn: 0.3841367	total: 309ms	remaining: 1.16s
211:	learn: 0.3837396	total: 311ms	remaining: 1.16s
212:	learn: 0.3836086	total: 312ms	remaining: 1.15s
213:	learn: 0.3832419	total: 313ms	remaining: 1.15s
214:	learn: 0.3831074	total: 315ms	remaining: 1.15s
215:	learn: 0.3827142	total: 316ms	remaining: 1.15s
216:	learn: 0.3823014	total: 318ms	remaining: 1.15s
217:	learn: 0.3820503	total: 320ms	remaining: 1.15s
218:	learn: 0.3817209	total: 321ms	remaining: 1.15s
219:	learn: 0.3813355	total: 323ms	remaining: 1.14s
220:	learn: 0.3810011	total: 324ms	remaining: 1.14s
221:	learn: 0.3807843	total: 325ms	remaining: 1.14s
222:	learn: 0.3804812	total: 326ms	remaining: 1.14s
223:	learn: 0.3802492	total: 328ms	remaining: 1.14s
224:	learn: 0.3798757	total: 330ms	remaining: 1.14s
225:	learn: 0.3797155	total: 331ms	remaining: 1.13s
226:	learn: 0.3795135	total: 333ms	remaining: 1.14s
227:	learn: 0.3792915	total: 335ms	remaining: 1.14s
228:	learn: 0.3791202	total: 337ms	remaining: 1.13s
229:	learn: 0.3788800	total: 338ms	remaining: 1.13s
230:	learn: 0.3788051	total: 340ms	remaining: 1.13s
231:	learn: 0.3784846	total: 341ms	remaining: 1.13s
232:	learn: 0.3782419	total: 343ms	remaining: 1.13s
233:	learn: 0.3778921	total: 344ms	remaining: 1.13s
234:	learn: 0.3776746	total: 347ms	remaining: 1.13s
235:	learn: 0.3775272	total: 348ms	remaining: 1.13s
236:	learn: 0.3773040	total: 350ms	remaining: 1.13s
237:	learn: 0.3769488	total: 352ms	remaining: 1.13s
238:	learn: 0.3767993	total: 353ms	remaining: 1.13s
239:	learn: 0.3764858	total: 355ms	remaining: 1.12s
240:	learn: 0.3763183	total: 358ms	remaining: 1.13s
241:	learn: 0.3760418	total: 360ms	remaining: 1.13s
242:	learn: 0.3757713	total: 362ms	remaining: 1.13s
243:	learn: 0.3755107	total: 363ms	remaining: 1.12s
244:	learn: 0.3753994	total: 364ms	remaining: 1.12s
245:	learn: 0.3753488	total: 364ms	remaining: 1.12s
246:	learn: 0.3750615	total: 365ms	remaining: 1.11s
247:	learn: 0.3747044	total: 366ms	remaining: 1.11s
248:	learn: 0.3744873	total: 367ms	remaining: 1.11s
249:	learn: 0.3742851	total: 368ms	remaining: 1.1s
250:	learn: 0.3741507	total: 369ms	remaining: 1.1s
251:	learn: 0.3739368	total: 370ms	remaining: 1.1s
252:	learn: 0.3735557	total: 372ms	remaining: 1.1s
253:	learn: 0.3734996	total: 372ms	remaining: 1.09s
254:	learn: 0.3734138	total: 374ms	remaining: 1.09s
255:	learn: 0.3731841	total: 376ms	remaining: 1.09s
256:	learn: 0.3729886	total: 377ms	remaining: 1.09s
257:	learn: 0.3728367	total: 379ms	remaining: 1.09s
258:	learn: 0.3725589	total: 380ms	remaining: 1.09s
259:	learn: 0.3724242	total: 381ms	remaining: 1.08s
260:	learn: 0.3721966	total: 382ms	remaining: 1.08s
261:	learn: 0.3721266	total: 383ms	remaining: 1.08s
262:	learn: 0.3717896	total: 386ms	remaining: 1.08s
263:	learn: 0.3716721	total: 387ms	remaining: 1.08s
264:	learn: 0.3714460	total: 389ms	remaining: 1.08s
265:	learn: 0.3711421	total: 390ms	remaining: 1.08s
266:	learn: 0.3709806	total: 391ms	remaining: 1.07s
267:	learn: 0.3709662	total: 392ms	remaining: 1.07s
268:	learn: 0.3707485	total: 393ms	remaining: 1.07s
269:	learn: 0.3706085	total: 394ms	remaining: 1.07s
270:	learn: 0.3703507	total: 396ms	remaining: 1.06s
271:	learn: 0.3702372	total: 396ms	remaining: 1.06s
272:	learn: 0.3699510	total: 397ms	remaining: 1.06s
273:	learn: 0.3698494	total: 398ms	remaining: 1.05s
274:	learn: 0.3696358	total: 399ms	remaining: 1.05s
275:	learn: 0.3695376	total: 400ms	remaining: 1.05s
276:	learn: 0.3692961	total: 401ms	remaining: 1.04s
277:	learn: 0.3690288	total: 402ms	remaining: 1.04s
278:	learn: 0.3687372	total: 404ms	remaining: 1.04s
279:	learn: 0.3685887	total: 405ms	remaining: 1.04s
280:	learn: 0.3684805	total: 406ms	remaining: 1.04s
281:	learn: 0.3683331	total: 407ms	remaining: 1.04s
282:	learn: 0.3680615	total: 408ms	remaining: 1.03s
283:	learn: 0.3677844	total: 410ms	remaining: 1.03s
284:	learn: 0.3676000	total: 411ms	remaining: 1.03s
285:	learn: 0.3673907	total: 413ms	remaining: 1.03s
286:	learn: 0.3671436	total: 415ms	remaining: 1.03s
287:	learn: 0.3667958	total: 416ms	remaining: 1.03s
288:	learn: 0.3665683	total: 417ms	remaining: 1.03s
289:	learn: 0.3664425	total: 419ms	remaining: 1.02s
290:	learn: 0.3662505	total: 420ms	remaining: 1.02s
291:	learn: 0.3659828	total: 421ms	remaining: 1.02s
292:	learn: 0.3657959	total: 422ms	remaining: 1.02s
293:	learn: 0.3656734	total: 424ms	remaining: 1.02s
294:	learn: 0.3653109	total: 425ms	remaining: 1.01s
295:	learn: 0.3651788	total: 426ms	remaining: 1.01s
296:	learn: 0.3650116	total: 427ms	remaining: 1.01s
297:	learn: 0.3649185	total: 429ms	remaining: 1.01s
298:	learn: 0.3648247	total: 430ms	remaining: 1.01s
299:	learn: 0.3647330	total: 432ms	remaining: 1.01s
300:	learn: 0.3645150	total: 433ms	remaining: 1.01s
301:	learn: 0.3642111	total: 435ms	remaining: 1s
302:	learn: 0.3640392	total: 436ms	remaining: 1s
303:	learn: 0.3639563	total: 438ms	remaining: 1s
304:	learn: 0.3638699	total: 439ms	remaining: 1000ms
305:	learn: 0.3636044	total: 440ms	remaining: 998ms
306:	learn: 0.3634221	total: 441ms	remaining: 996ms
307:	learn: 0.3632383	total: 442ms	remaining: 994ms
308:	learn: 0.3630584	total: 443ms	remaining: 992ms
309:	learn: 0.3628664	total: 444ms	remaining: 989ms
310:	learn: 0.3628033	total: 446ms	remaining: 988ms
311:	learn: 0.3626014	total: 447ms	remaining: 986ms
312:	learn: 0.3624306	total: 448ms	remaining: 984ms
313:	learn: 0.3622397	total: 450ms	remaining: 983ms
314:	learn: 0.3621965	total: 451ms	remaining: 981ms
315:	learn: 0.3620931	total: 452ms	remaining: 978ms
316:	learn: 0.3618750	total: 453ms	remaining: 976ms
317:	learn: 0.3616303	total: 454ms	remaining: 974ms
318:	learn: 0.3614055	total: 455ms	remaining: 972ms
319:	learn: 0.3612638	total: 456ms	remaining: 970ms
320:	learn: 0.3610920	total: 457ms	remaining: 968ms
321:	learn: 0.3609737	total: 459ms	remaining: 966ms
322:	learn: 0.3608823	total: 460ms	remaining: 964ms
323:	learn: 0.3606328	total: 461ms	remaining: 962ms
324:	learn: 0.3606160	total: 462ms	remaining: 959ms
325:	learn: 0.3604555	total: 463ms	remaining: 958ms
326:	learn: 0.3603164	total: 464ms	remaining: 956ms
327:	learn: 0.3602555	total: 466ms	remaining: 954ms
328:	learn: 0.3599528	total: 467ms	remaining: 952ms
329:	learn: 0.3596958	total: 468ms	remaining: 950ms
330:	learn: 0.3594034	total: 469ms	remaining: 949ms
331:	learn: 0.3591911	total: 471ms	remaining: 948ms
332:	learn: 0.3590194	total: 472ms	remaining: 946ms
333:	learn: 0.3588473	total: 474ms	remaining: 945ms
334:	learn: 0.3587582	total: 476ms	remaining: 944ms
335:	learn: 0.3585924	total: 477ms	remaining: 943ms
336:	learn: 0.3584661	total: 479ms	remaining: 942ms
337:	learn: 0.3582833	total: 481ms	remaining: 941ms
338:	learn: 0.3582332	total: 481ms	remaining: 939ms
339:	learn: 0.3580752	total: 482ms	remaining: 936ms
340:	learn: 0.3580334	total: 483ms	remaining: 934ms
341:	learn: 0.3579002	total: 485ms	remaining: 932ms
342:	learn: 0.3578772	total: 485ms	remaining: 929ms
343:	learn: 0.3577070	total: 488ms	remaining: 930ms
344:	learn: 0.3575459	total: 489ms	remaining: 928ms
345:	learn: 0.3574174	total: 492ms	remaining: 930ms
346:	learn: 0.3571577	total: 494ms	remaining: 929ms
347:	learn: 0.3570342	total: 496ms	remaining: 928ms
348:	learn: 0.3568613	total: 497ms	remaining: 926ms
349:	learn: 0.3566642	total: 500ms	remaining: 929ms
350:	learn: 0.3563193	total: 503ms	remaining: 930ms
351:	learn: 0.3559868	total: 504ms	remaining: 928ms
352:	learn: 0.3558839	total: 506ms	remaining: 927ms
353:	learn: 0.3558375	total: 507ms	remaining: 926ms
354:	learn: 0.3557322	total: 509ms	remaining: 926ms
355:	learn: 0.3554896	total: 511ms	remaining: 925ms
356:	learn: 0.3553745	total: 513ms	remaining: 923ms
357:	learn: 0.3552343	total: 514ms	remaining: 922ms
358:	learn: 0.3550733	total: 516ms	remaining: 921ms
359:	learn: 0.3550035	total: 517ms	remaining: 920ms
360:	learn: 0.3547691	total: 519ms	remaining: 919ms
361:	learn: 0.3546981	total: 520ms	remaining: 917ms
362:	learn: 0.3546115	total: 522ms	remaining: 915ms
363:	learn: 0.3545993	total: 522ms	remaining: 913ms
364:	learn: 0.3544873	total: 523ms	remaining: 911ms
365:	learn: 0.3544552	total: 525ms	remaining: 909ms
366:	learn: 0.3543654	total: 526ms	remaining: 907ms
367:	learn: 0.3542250	total: 528ms	remaining: 906ms
368:	learn: 0.3541163	total: 530ms	remaining: 906ms
369:	learn: 0.3539648	total: 532ms	remaining: 906ms
370:	learn: 0.3537634	total: 534ms	remaining: 905ms
371:	learn: 0.3536986	total: 536ms	remaining: 904ms
372:	learn: 0.3534937	total: 538ms	remaining: 904ms
373:	learn: 0.3534261	total: 540ms	remaining: 904ms
374:	learn: 0.3533288	total: 542ms	remaining: 904ms
375:	learn: 0.3532406	total: 544ms	remaining: 903ms
376:	learn: 0.3530783	total: 547ms	remaining: 903ms
377:	learn: 0.3530018	total: 548ms	remaining: 902ms
378:	learn: 0.3527874	total: 551ms	remaining: 903ms
379:	learn: 0.3524780	total: 553ms	remaining: 902ms
380:	learn: 0.3522686	total: 554ms	remaining: 900ms
381:	learn: 0.3521509	total: 555ms	remaining: 898ms
382:	learn: 0.3518405	total: 557ms	remaining: 897ms
383:	learn: 0.3516275	total: 558ms	remaining: 895ms
384:	learn: 0.3514886	total: 560ms	remaining: 894ms
385:	learn: 0.3513893	total: 561ms	remaining: 892ms
386:	learn: 0.3512638	total: 562ms	remaining: 890ms
387:	learn: 0.3511412	total: 563ms	remaining: 889ms
388:	learn: 0.3510084	total: 565ms	remaining: 887ms
389:	learn: 0.3509626	total: 566ms	remaining: 886ms
390:	learn: 0.3508575	total: 567ms	remaining: 884ms
391:	learn: 0.3507432	total: 569ms	remaining: 883ms
392:	learn: 0.3506182	total: 571ms	remaining: 882ms
393:	learn: 0.3505220	total: 573ms	remaining: 882ms
394:	learn: 0.3504228	total: 576ms	remaining: 882ms
395:	learn: 0.3502779	total: 577ms	remaining: 880ms
396:	learn: 0.3501396	total: 579ms	remaining: 879ms
397:	learn: 0.3500463	total: 581ms	remaining: 879ms
398:	learn: 0.3499463	total: 585ms	remaining: 881ms
399:	learn: 0.3498404	total: 588ms	remaining: 882ms
400:	learn: 0.3497106	total: 589ms	remaining: 880ms
401:	learn: 0.3495085	total: 591ms	remaining: 878ms
402:	learn: 0.3493156	total: 592ms	remaining: 877ms
403:	learn: 0.3491089	total: 593ms	remaining: 876ms
404:	learn: 0.3488830	total: 595ms	remaining: 874ms
405:	learn: 0.3487188	total: 596ms	remaining: 872ms
406:	learn: 0.3486009	total: 598ms	remaining: 872ms
407:	learn: 0.3482784	total: 600ms	remaining: 871ms
408:	learn: 0.3481777	total: 602ms	remaining: 870ms
409:	learn: 0.3479552	total: 604ms	remaining: 869ms
410:	learn: 0.3477623	total: 606ms	remaining: 869ms
411:	learn: 0.3476008	total: 609ms	remaining: 868ms
412:	learn: 0.3474984	total: 611ms	remaining: 868ms
413:	learn: 0.3473603	total: 612ms	remaining: 866ms
414:	learn: 0.3472787	total: 614ms	remaining: 865ms
415:	learn: 0.3471913	total: 615ms	remaining: 863ms
416:	learn: 0.3470752	total: 616ms	remaining: 861ms
417:	learn: 0.3469224	total: 617ms	remaining: 860ms
418:	learn: 0.3467972	total: 618ms	remaining: 858ms
419:	learn: 0.3466075	total: 620ms	remaining: 856ms
420:	learn: 0.3464905	total: 621ms	remaining: 854ms
421:	learn: 0.3464852	total: 621ms	remaining: 851ms
422:	learn: 0.3462965	total: 622ms	remaining: 849ms
423:	learn: 0.3460559	total: 624ms	remaining: 847ms
424:	learn: 0.3459436	total: 625ms	remaining: 846ms
425:	learn: 0.3458199	total: 626ms	remaining: 844ms
426:	learn: 0.3457148	total: 628ms	remaining: 842ms
427:	learn: 0.3455643	total: 629ms	remaining: 841ms
428:	learn: 0.3455103	total: 630ms	remaining: 839ms
429:	learn: 0.3453277	total: 632ms	remaining: 838ms
430:	learn: 0.3451824	total: 633ms	remaining: 836ms
431:	learn: 0.3451624	total: 634ms	remaining: 834ms
432:	learn: 0.3451535	total: 635ms	remaining: 832ms
433:	learn: 0.3451413	total: 636ms	remaining: 830ms
434:	learn: 0.3450034	total: 637ms	remaining: 828ms
435:	learn: 0.3448147	total: 639ms	remaining: 826ms
436:	learn: 0.3446818	total: 640ms	remaining: 825ms
437:	learn: 0.3444294	total: 642ms	remaining: 823ms
438:	learn: 0.3443262	total: 643ms	remaining: 822ms
439:	learn: 0.3442477	total: 644ms	remaining: 820ms
440:	learn: 0.3440699	total: 646ms	remaining: 818ms
441:	learn: 0.3439649	total: 647ms	remaining: 817ms
442:	learn: 0.3437234	total: 649ms	remaining: 815ms
443:	learn: 0.3435143	total: 650ms	remaining: 814ms
444:	learn: 0.3434489	total: 651ms	remaining: 812ms
445:	learn: 0.3432932	total: 652ms	remaining: 810ms
446:	learn: 0.3432273	total: 654ms	remaining: 809ms
447:	learn: 0.3432243	total: 655ms	remaining: 807ms
448:	learn: 0.3431893	total: 656ms	remaining: 804ms
449:	learn: 0.3430312	total: 657ms	remaining: 803ms
450:	learn: 0.3429568	total: 658ms	remaining: 801ms
451:	learn: 0.3428310	total: 659ms	remaining: 799ms
452:	learn: 0.3427046	total: 660ms	remaining: 797ms
453:	learn: 0.3426545	total: 661ms	remaining: 795ms
454:	learn: 0.3425910	total: 662ms	remaining: 793ms
455:	learn: 0.3424834	total: 664ms	remaining: 792ms
456:	learn: 0.3423573	total: 666ms	remaining: 791ms
457:	learn: 0.3422903	total: 667ms	remaining: 789ms
458:	learn: 0.3421084	total: 668ms	remaining: 787ms
459:	learn: 0.3419260	total: 670ms	remaining: 787ms
460:	learn: 0.3419236	total: 672ms	remaining: 786ms
461:	learn: 0.3418453	total: 673ms	remaining: 784ms
462:	learn: 0.3416859	total: 676ms	remaining: 784ms
463:	learn: 0.3415297	total: 677ms	remaining: 783ms
464:	learn: 0.3414351	total: 679ms	remaining: 781ms
465:	learn: 0.3411670	total: 681ms	remaining: 780ms
466:	learn: 0.3410560	total: 683ms	remaining: 779ms
467:	learn: 0.3408444	total: 684ms	remaining: 778ms
468:	learn: 0.3407269	total: 686ms	remaining: 776ms
469:	learn: 0.3406292	total: 688ms	remaining: 775ms
470:	learn: 0.3404981	total: 689ms	remaining: 774ms
471:	learn: 0.3403560	total: 691ms	remaining: 773ms
472:	learn: 0.3402193	total: 693ms	remaining: 772ms
473:	learn: 0.3401339	total: 694ms	remaining: 771ms
474:	learn: 0.3400217	total: 696ms	remaining: 770ms
475:	learn: 0.3398877	total: 699ms	remaining: 770ms
476:	learn: 0.3398626	total: 701ms	remaining: 769ms
477:	learn: 0.3397628	total: 706ms	remaining: 771ms
478:	learn: 0.3396834	total: 707ms	remaining: 769ms
479:	learn: 0.3396814	total: 708ms	remaining: 767ms
480:	learn: 0.3396239	total: 709ms	remaining: 765ms
481:	learn: 0.3395589	total: 710ms	remaining: 763ms
482:	learn: 0.3394762	total: 712ms	remaining: 762ms
483:	learn: 0.3393620	total: 713ms	remaining: 760ms
484:	learn: 0.3390836	total: 715ms	remaining: 759ms
485:	learn: 0.3389234	total: 716ms	remaining: 758ms
486:	learn: 0.3387709	total: 718ms	remaining: 756ms
487:	learn: 0.3387361	total: 719ms	remaining: 754ms
488:	learn: 0.3386155	total: 721ms	remaining: 753ms
489:	learn: 0.3385235	total: 722ms	remaining: 752ms
490:	learn: 0.3384896	total: 724ms	remaining: 750ms
491:	learn: 0.3384802	total: 725ms	remaining: 748ms
492:	learn: 0.3383706	total: 726ms	remaining: 746ms
493:	learn: 0.3382628	total: 727ms	remaining: 745ms
494:	learn: 0.3381554	total: 729ms	remaining: 743ms
495:	learn: 0.3379957	total: 730ms	remaining: 742ms
496:	learn: 0.3379214	total: 731ms	remaining: 740ms
497:	learn: 0.3377195	total: 733ms	remaining: 739ms
498:	learn: 0.3375514	total: 734ms	remaining: 737ms
499:	learn: 0.3374300	total: 736ms	remaining: 736ms
500:	learn: 0.3373164	total: 737ms	remaining: 734ms
501:	learn: 0.3372258	total: 738ms	remaining: 733ms
502:	learn: 0.3370891	total: 740ms	remaining: 731ms
503:	learn: 0.3369659	total: 742ms	remaining: 730ms
504:	learn: 0.3369209	total: 743ms	remaining: 728ms
505:	learn: 0.3368335	total: 745ms	remaining: 727ms
506:	learn: 0.3366690	total: 747ms	remaining: 726ms
507:	learn: 0.3365781	total: 748ms	remaining: 724ms
508:	learn: 0.3364940	total: 749ms	remaining: 723ms
509:	learn: 0.3363321	total: 751ms	remaining: 721ms
510:	learn: 0.3362555	total: 753ms	remaining: 720ms
511:	learn: 0.3361816	total: 754ms	remaining: 719ms
512:	learn: 0.3361356	total: 756ms	remaining: 718ms
513:	learn: 0.3361182	total: 758ms	remaining: 717ms
514:	learn: 0.3359128	total: 759ms	remaining: 715ms
515:	learn: 0.3357949	total: 761ms	remaining: 713ms
516:	learn: 0.3357912	total: 762ms	remaining: 712ms
517:	learn: 0.3356849	total: 763ms	remaining: 710ms
518:	learn: 0.3356640	total: 764ms	remaining: 708ms
519:	learn: 0.3355648	total: 765ms	remaining: 707ms
520:	learn: 0.3354855	total: 767ms	remaining: 705ms
521:	learn: 0.3352488	total: 768ms	remaining: 703ms
522:	learn: 0.3351558	total: 769ms	remaining: 701ms
523:	learn: 0.3350008	total: 770ms	remaining: 699ms
524:	learn: 0.3349180	total: 771ms	remaining: 697ms
525:	learn: 0.3348086	total: 772ms	remaining: 696ms
526:	learn: 0.3346383	total: 774ms	remaining: 695ms
527:	learn: 0.3345134	total: 775ms	remaining: 693ms
528:	learn: 0.3344325	total: 776ms	remaining: 691ms
529:	learn: 0.3342826	total: 777ms	remaining: 689ms
530:	learn: 0.3342114	total: 778ms	remaining: 688ms
531:	learn: 0.3341911	total: 780ms	remaining: 686ms
532:	learn: 0.3338754	total: 782ms	remaining: 685ms
533:	learn: 0.3338014	total: 783ms	remaining: 684ms
534:	learn: 0.3336821	total: 785ms	remaining: 683ms
535:	learn: 0.3336050	total: 787ms	remaining: 681ms
536:	learn: 0.3335314	total: 788ms	remaining: 679ms
537:	learn: 0.3333186	total: 790ms	remaining: 678ms
538:	learn: 0.3333181	total: 790ms	remaining: 676ms
539:	learn: 0.3332360	total: 792ms	remaining: 675ms
540:	learn: 0.3331591	total: 793ms	remaining: 673ms
541:	learn: 0.3330681	total: 795ms	remaining: 672ms
542:	learn: 0.3330354	total: 796ms	remaining: 670ms
543:	learn: 0.3329210	total: 798ms	remaining: 669ms
544:	learn: 0.3328719	total: 799ms	remaining: 667ms
545:	learn: 0.3327878	total: 801ms	remaining: 666ms
546:	learn: 0.3326594	total: 802ms	remaining: 664ms
547:	learn: 0.3325070	total: 804ms	remaining: 663ms
548:	learn: 0.3324965	total: 804ms	remaining: 661ms
549:	learn: 0.3324173	total: 806ms	remaining: 659ms
550:	learn: 0.3323402	total: 808ms	remaining: 658ms
551:	learn: 0.3321335	total: 810ms	remaining: 657ms
552:	learn: 0.3318869	total: 812ms	remaining: 656ms
553:	learn: 0.3317809	total: 814ms	remaining: 655ms
554:	learn: 0.3316980	total: 815ms	remaining: 653ms
555:	learn: 0.3315911	total: 816ms	remaining: 652ms
556:	learn: 0.3313452	total: 818ms	remaining: 650ms
557:	learn: 0.3312272	total: 819ms	remaining: 649ms
558:	learn: 0.3310505	total: 821ms	remaining: 648ms
559:	learn: 0.3309229	total: 822ms	remaining: 646ms
560:	learn: 0.3308719	total: 824ms	remaining: 645ms
561:	learn: 0.3307991	total: 825ms	remaining: 643ms
562:	learn: 0.3305896	total: 827ms	remaining: 642ms
563:	learn: 0.3303301	total: 828ms	remaining: 640ms
564:	learn: 0.3302866	total: 829ms	remaining: 638ms
565:	learn: 0.3302225	total: 831ms	remaining: 637ms
566:	learn: 0.3301190	total: 832ms	remaining: 636ms
567:	learn: 0.3299476	total: 834ms	remaining: 634ms
568:	learn: 0.3298500	total: 835ms	remaining: 633ms
569:	learn: 0.3297889	total: 837ms	remaining: 631ms
570:	learn: 0.3296439	total: 840ms	remaining: 631ms
571:	learn: 0.3294546	total: 842ms	remaining: 630ms
572:	learn: 0.3293316	total: 843ms	remaining: 628ms
573:	learn: 0.3292465	total: 845ms	remaining: 627ms
574:	learn: 0.3292025	total: 846ms	remaining: 625ms
575:	learn: 0.3290625	total: 847ms	remaining: 624ms
576:	learn: 0.3289624	total: 848ms	remaining: 622ms
577:	learn: 0.3288376	total: 850ms	remaining: 621ms
578:	learn: 0.3287272	total: 851ms	remaining: 619ms
579:	learn: 0.3286310	total: 853ms	remaining: 618ms
580:	learn: 0.3285478	total: 854ms	remaining: 616ms
581:	learn: 0.3284637	total: 855ms	remaining: 614ms
582:	learn: 0.3283467	total: 857ms	remaining: 613ms
583:	learn: 0.3282977	total: 858ms	remaining: 611ms
584:	learn: 0.3281726	total: 860ms	remaining: 610ms
585:	learn: 0.3281603	total: 861ms	remaining: 608ms
586:	learn: 0.3279220	total: 862ms	remaining: 606ms
587:	learn: 0.3278917	total: 863ms	remaining: 604ms
588:	learn: 0.3278820	total: 864ms	remaining: 603ms
589:	learn: 0.3277458	total: 865ms	remaining: 601ms
590:	learn: 0.3276162	total: 867ms	remaining: 600ms
591:	learn: 0.3274254	total: 868ms	remaining: 598ms
592:	learn: 0.3273830	total: 869ms	remaining: 596ms
593:	learn: 0.3272797	total: 870ms	remaining: 595ms
594:	learn: 0.3271468	total: 871ms	remaining: 593ms
595:	learn: 0.3271162	total: 873ms	remaining: 592ms
```

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596:	learn: 0.3270128	total: 874ms	remaining: 590ms
597:	learn: 0.3268438	total: 875ms	remaining: 588ms
598:	learn: 0.3268170	total: 876ms	remaining: 587ms
599:	learn: 0.3266861	total: 878ms	remaining: 585ms
600:	learn: 0.3265352	total: 879ms	remaining: 584ms
601:	learn: 0.3264721	total: 880ms	remaining: 582ms
602:	learn: 0.3264333	total: 882ms	remaining: 581ms
603:	learn: 0.3263095	total: 884ms	remaining: 579ms
604:	learn: 0.3260578	total: 885ms	remaining: 578ms
605:	learn: 0.3259820	total: 887ms	remaining: 576ms
606:	learn: 0.3259060	total: 888ms	remaining: 575ms
607:	learn: 0.3258924	total: 888ms	remaining: 573ms
608:	learn: 0.3257745	total: 890ms	remaining: 572ms
609:	learn: 0.3256489	total: 892ms	remaining: 571ms
610:	learn: 0.3256128	total: 894ms	remaining: 569ms
611:	learn: 0.3255201	total: 895ms	remaining: 567ms
612:	learn: 0.3254360	total: 896ms	remaining: 566ms
613:	learn: 0.3253740	total: 897ms	remaining: 564ms
614:	learn: 0.3251866	total: 899ms	remaining: 563ms
615:	learn: 0.3250822	total: 900ms	remaining: 561ms
616:	learn: 0.3249308	total: 901ms	remaining: 559ms
617:	learn: 0.3247571	total: 902ms	remaining: 558ms
618:	learn: 0.3246672	total: 903ms	remaining: 556ms
619:	learn: 0.3246645	total: 904ms	remaining: 554ms
620:	learn: 0.3245953	total: 905ms	remaining: 552ms
621:	learn: 0.3244715	total: 906ms	remaining: 551ms
622:	learn: 0.3243003	total: 907ms	remaining: 549ms
623:	learn: 0.3242273	total: 909ms	remaining: 548ms
624:	learn: 0.3241644	total: 910ms	remaining: 546ms
625:	learn: 0.3241244	total: 911ms	remaining: 544ms
626:	learn: 0.3240553	total: 912ms	remaining: 543ms
627:	learn: 0.3239711	total: 913ms	remaining: 541ms
628:	learn: 0.3238977	total: 914ms	remaining: 539ms
629:	learn: 0.3235164	total: 916ms	remaining: 538ms
630:	learn: 0.3233468	total: 918ms	remaining: 537ms
631:	learn: 0.3231970	total: 920ms	remaining: 536ms
632:	learn: 0.3231327	total: 921ms	remaining: 534ms
633:	learn: 0.3230408	total: 923ms	remaining: 533ms
634:	learn: 0.3228284	total: 924ms	remaining: 531ms
635:	learn: 0.3226797	total: 925ms	remaining: 530ms
636:	learn: 0.3225822	total: 928ms	remaining: 529ms
637:	learn: 0.3223690	total: 930ms	remaining: 528ms
638:	learn: 0.3220818	total: 932ms	remaining: 526ms
639:	learn: 0.3220223	total: 934ms	remaining: 525ms
640:	learn: 0.3219312	total: 935ms	remaining: 523ms
641:	learn: 0.3217035	total: 936ms	remaining: 522ms
642:	learn: 0.3216271	total: 938ms	remaining: 521ms
643:	learn: 0.3214698	total: 939ms	remaining: 519ms
644:	learn: 0.3214131	total: 940ms	remaining: 518ms
645:	learn: 0.3212921	total: 942ms	remaining: 516ms
646:	learn: 0.3211563	total: 944ms	remaining: 515ms
647:	learn: 0.3210560	total: 945ms	remaining: 514ms
648:	learn: 0.3209995	total: 948ms	remaining: 513ms
649:	learn: 0.3208161	total: 950ms	remaining: 511ms
650:	learn: 0.3207640	total: 951ms	remaining: 510ms
651:	learn: 0.3206442	total: 953ms	remaining: 509ms
652:	learn: 0.3205589	total: 954ms	remaining: 507ms
653:	learn: 0.3205101	total: 956ms	remaining: 506ms
654:	learn: 0.3204367	total: 957ms	remaining: 504ms
655:	learn: 0.3202849	total: 960ms	remaining: 503ms
656:	learn: 0.3202231	total: 961ms	remaining: 502ms
657:	learn: 0.3200519	total: 964ms	remaining: 501ms
658:	learn: 0.3198267	total: 966ms	remaining: 500ms
659:	learn: 0.3196625	total: 968ms	remaining: 499ms
660:	learn: 0.3195436	total: 970ms	remaining: 497ms
661:	learn: 0.3195332	total: 971ms	remaining: 496ms
662:	learn: 0.3194609	total: 973ms	remaining: 495ms
663:	learn: 0.3194392	total: 975ms	remaining: 494ms
664:	learn: 0.3193571	total: 977ms	remaining: 492ms
665:	learn: 0.3191164	total: 979ms	remaining: 491ms
666:	learn: 0.3190523	total: 981ms	remaining: 490ms
667:	learn: 0.3189507	total: 983ms	remaining: 488ms
668:	learn: 0.3187012	total: 985ms	remaining: 487ms
669:	learn: 0.3186799	total: 986ms	remaining: 485ms
670:	learn: 0.3184160	total: 987ms	remaining: 484ms
671:	learn: 0.3182949	total: 988ms	remaining: 482ms
672:	learn: 0.3182446	total: 990ms	remaining: 481ms
673:	learn: 0.3181328	total: 992ms	remaining: 480ms
674:	learn: 0.3179858	total: 994ms	remaining: 479ms
675:	learn: 0.3177686	total: 996ms	remaining: 477ms
676:	learn: 0.3176751	total: 997ms	remaining: 476ms
677:	learn: 0.3176131	total: 999ms	remaining: 474ms
678:	learn: 0.3175340	total: 1s	remaining: 473ms
679:	learn: 0.3173975	total: 1s	remaining: 472ms
680:	learn: 0.3172574	total: 1s	remaining: 470ms
681:	learn: 0.3170920	total: 1s	remaining: 469ms
682:	learn: 0.3169563	total: 1.01s	remaining: 467ms
683:	learn: 0.3167804	total: 1.01s	remaining: 466ms
684:	learn: 0.3165834	total: 1.01s	remaining: 465ms
685:	learn: 0.3164803	total: 1.01s	remaining: 463ms
686:	learn: 0.3163416	total: 1.01s	remaining: 462ms
687:	learn: 0.3161978	total: 1.01s	remaining: 460ms
688:	learn: 0.3161769	total: 1.02s	remaining: 459ms
689:	learn: 0.3160358	total: 1.02s	remaining: 457ms
690:	learn: 0.3158900	total: 1.02s	remaining: 456ms
691:	learn: 0.3158178	total: 1.02s	remaining: 455ms
692:	learn: 0.3157585	total: 1.02s	remaining: 454ms
693:	learn: 0.3154663	total: 1.03s	remaining: 453ms
694:	learn: 0.3154102	total: 1.03s	remaining: 451ms
695:	learn: 0.3152654	total: 1.03s	remaining: 450ms
696:	learn: 0.3151902	total: 1.03s	remaining: 448ms
697:	learn: 0.3150708	total: 1.03s	remaining: 447ms
698:	learn: 0.3150460	total: 1.03s	remaining: 445ms
699:	learn: 0.3149910	total: 1.04s	remaining: 444ms
700:	learn: 0.3148769	total: 1.04s	remaining: 443ms
701:	learn: 0.3147081	total: 1.04s	remaining: 442ms
702:	learn: 0.3146784	total: 1.04s	remaining: 440ms
703:	learn: 0.3146058	total: 1.04s	remaining: 439ms
704:	learn: 0.3144742	total: 1.04s	remaining: 437ms
705:	learn: 0.3143772	total: 1.05s	remaining: 436ms
706:	learn: 0.3142128	total: 1.05s	remaining: 434ms
707:	learn: 0.3141424	total: 1.05s	remaining: 433ms
708:	learn: 0.3140073	total: 1.05s	remaining: 431ms
709:	learn: 0.3138228	total: 1.05s	remaining: 430ms
710:	learn: 0.3136698	total: 1.05s	remaining: 428ms
711:	learn: 0.3136301	total: 1.05s	remaining: 427ms
712:	learn: 0.3135035	total: 1.06s	remaining: 425ms
713:	learn: 0.3133970	total: 1.06s	remaining: 424ms
714:	learn: 0.3133843	total: 1.06s	remaining: 422ms
715:	learn: 0.3133370	total: 1.06s	remaining: 421ms
716:	learn: 0.3131505	total: 1.06s	remaining: 420ms
717:	learn: 0.3130757	total: 1.06s	remaining: 418ms
718:	learn: 0.3129620	total: 1.07s	remaining: 417ms
719:	learn: 0.3127704	total: 1.07s	remaining: 415ms
720:	learn: 0.3126680	total: 1.07s	remaining: 414ms
721:	learn: 0.3126141	total: 1.07s	remaining: 413ms
722:	learn: 0.3124907	total: 1.07s	remaining: 411ms
723:	learn: 0.3124160	total: 1.07s	remaining: 410ms
724:	learn: 0.3123528	total: 1.07s	remaining: 408ms
725:	learn: 0.3122713	total: 1.08s	remaining: 407ms
726:	learn: 0.3122417	total: 1.08s	remaining: 405ms
727:	learn: 0.3121281	total: 1.08s	remaining: 403ms
728:	learn: 0.3120291	total: 1.08s	remaining: 402ms
729:	learn: 0.3119227	total: 1.08s	remaining: 400ms
730:	learn: 0.3118013	total: 1.08s	remaining: 399ms
731:	learn: 0.3117127	total: 1.08s	remaining: 397ms
732:	learn: 0.3117050	total: 1.09s	remaining: 396ms
733:	learn: 0.3115990	total: 1.09s	remaining: 394ms
734:	learn: 0.3114708	total: 1.09s	remaining: 393ms
735:	learn: 0.3113493	total: 1.09s	remaining: 391ms
736:	learn: 0.3113248	total: 1.09s	remaining: 390ms
737:	learn: 0.3112741	total: 1.09s	remaining: 389ms
738:	learn: 0.3111885	total: 1.1s	remaining: 387ms
739:	learn: 0.3111415	total: 1.1s	remaining: 386ms
740:	learn: 0.3109447	total: 1.1s	remaining: 385ms
741:	learn: 0.3108582	total: 1.1s	remaining: 383ms
742:	learn: 0.3108109	total: 1.1s	remaining: 382ms
743:	learn: 0.3106988	total: 1.1s	remaining: 380ms
744:	learn: 0.3105638	total: 1.11s	remaining: 379ms
745:	learn: 0.3104275	total: 1.11s	remaining: 377ms
746:	learn: 0.3103729	total: 1.11s	remaining: 376ms
747:	learn: 0.3102337	total: 1.11s	remaining: 374ms
748:	learn: 0.3101014	total: 1.11s	remaining: 373ms
749:	learn: 0.3100365	total: 1.11s	remaining: 372ms
750:	learn: 0.3100272	total: 1.12s	remaining: 370ms
751:	learn: 0.3099572	total: 1.12s	remaining: 369ms
752:	learn: 0.3098360	total: 1.12s	remaining: 367ms
753:	learn: 0.3097785	total: 1.12s	remaining: 366ms
754:	learn: 0.3097290	total: 1.12s	remaining: 365ms
755:	learn: 0.3096489	total: 1.13s	remaining: 363ms
756:	learn: 0.3094987	total: 1.13s	remaining: 362ms
757:	learn: 0.3093695	total: 1.13s	remaining: 360ms
758:	learn: 0.3092504	total: 1.13s	remaining: 358ms
759:	learn: 0.3091370	total: 1.13s	remaining: 357ms
760:	learn: 0.3091060	total: 1.13s	remaining: 355ms
761:	learn: 0.3089283	total: 1.13s	remaining: 354ms
762:	learn: 0.3088235	total: 1.13s	remaining: 353ms
763:	learn: 0.3086380	total: 1.14s	remaining: 351ms
764:	learn: 0.3084945	total: 1.14s	remaining: 350ms
765:	learn: 0.3084782	total: 1.14s	remaining: 348ms
766:	learn: 0.3082710	total: 1.14s	remaining: 347ms
767:	learn: 0.3081999	total: 1.14s	remaining: 345ms
768:	learn: 0.3081165	total: 1.15s	remaining: 344ms
769:	learn: 0.3080194	total: 1.15s	remaining: 342ms
770:	learn: 0.3079311	total: 1.15s	remaining: 341ms
771:	learn: 0.3079118	total: 1.15s	remaining: 339ms
772:	learn: 0.3077844	total: 1.15s	remaining: 338ms
773:	learn: 0.3076802	total: 1.15s	remaining: 337ms
774:	learn: 0.3076323	total: 1.16s	remaining: 335ms
775:	learn: 0.3075652	total: 1.16s	remaining: 334ms
776:	learn: 0.3075381	total: 1.16s	remaining: 332ms
777:	learn: 0.3074570	total: 1.16s	remaining: 331ms
778:	learn: 0.3074291	total: 1.16s	remaining: 329ms
779:	learn: 0.3073172	total: 1.16s	remaining: 328ms
780:	learn: 0.3072555	total: 1.16s	remaining: 326ms
781:	learn: 0.3071765	total: 1.16s	remaining: 325ms
782:	learn: 0.3070945	total: 1.17s	remaining: 323ms
783:	learn: 0.3069355	total: 1.17s	remaining: 322ms
784:	learn: 0.3066700	total: 1.17s	remaining: 320ms
785:	learn: 0.3066361	total: 1.17s	remaining: 319ms
786:	learn: 0.3065440	total: 1.17s	remaining: 317ms
787:	learn: 0.3065038	total: 1.17s	remaining: 316ms
788:	learn: 0.3064686	total: 1.18s	remaining: 314ms
789:	learn: 0.3063717	total: 1.18s	remaining: 313ms
790:	learn: 0.3062604	total: 1.18s	remaining: 311ms
791:	learn: 0.3061046	total: 1.18s	remaining: 310ms
792:	learn: 0.3058174	total: 1.18s	remaining: 308ms
793:	learn: 0.3057398	total: 1.18s	remaining: 307ms
794:	learn: 0.3055771	total: 1.18s	remaining: 305ms
795:	learn: 0.3054082	total: 1.19s	remaining: 304ms
796:	learn: 0.3053111	total: 1.19s	remaining: 302ms
797:	learn: 0.3051250	total: 1.19s	remaining: 301ms
798:	learn: 0.3050158	total: 1.19s	remaining: 299ms
799:	learn: 0.3049167	total: 1.19s	remaining: 298ms
800:	learn: 0.3048382	total: 1.2s	remaining: 297ms
801:	learn: 0.3047371	total: 1.2s	remaining: 296ms
802:	learn: 0.3046852	total: 1.2s	remaining: 294ms
803:	learn: 0.3045582	total: 1.2s	remaining: 293ms
804:	learn: 0.3044233	total: 1.2s	remaining: 291ms
805:	learn: 0.3042653	total: 1.2s	remaining: 290ms
806:	learn: 0.3041781	total: 1.21s	remaining: 288ms
807:	learn: 0.3041476	total: 1.21s	remaining: 287ms
808:	learn: 0.3040859	total: 1.21s	remaining: 285ms
809:	learn: 0.3038976	total: 1.21s	remaining: 284ms
810:	learn: 0.3038655	total: 1.21s	remaining: 282ms
811:	learn: 0.3037964	total: 1.21s	remaining: 281ms
812:	learn: 0.3037276	total: 1.21s	remaining: 279ms
813:	learn: 0.3036118	total: 1.22s	remaining: 278ms
814:	learn: 0.3034310	total: 1.22s	remaining: 277ms
815:	learn: 0.3033538	total: 1.22s	remaining: 275ms
816:	learn: 0.3032007	total: 1.22s	remaining: 274ms
817:	learn: 0.3031575	total: 1.22s	remaining: 272ms
818:	learn: 0.3029810	total: 1.22s	remaining: 271ms
819:	learn: 0.3028976	total: 1.23s	remaining: 269ms
820:	learn: 0.3027403	total: 1.23s	remaining: 268ms
821:	learn: 0.3026086	total: 1.23s	remaining: 266ms
822:	learn: 0.3025277	total: 1.23s	remaining: 264ms
823:	learn: 0.3024022	total: 1.23s	remaining: 263ms
824:	learn: 0.3023550	total: 1.23s	remaining: 261ms
825:	learn: 0.3022810	total: 1.23s	remaining: 260ms
826:	learn: 0.3021984	total: 1.24s	remaining: 259ms
827:	learn: 0.3021196	total: 1.24s	remaining: 257ms
828:	learn: 0.3020312	total: 1.24s	remaining: 256ms
829:	learn: 0.3019646	total: 1.24s	remaining: 254ms
830:	learn: 0.3018472	total: 1.24s	remaining: 253ms
831:	learn: 0.3018434	total: 1.25s	remaining: 251ms
832:	learn: 0.3017245	total: 1.25s	remaining: 250ms
833:	learn: 0.3016244	total: 1.25s	remaining: 249ms
834:	learn: 0.3015042	total: 1.25s	remaining: 247ms
835:	learn: 0.3014659	total: 1.25s	remaining: 246ms
836:	learn: 0.3013999	total: 1.25s	remaining: 244ms
837:	learn: 0.3013745	total: 1.25s	remaining: 242ms
838:	learn: 0.3012831	total: 1.25s	remaining: 241ms
839:	learn: 0.3012179	total: 1.26s	remaining: 239ms
840:	learn: 0.3011460	total: 1.26s	remaining: 238ms
841:	learn: 0.3009935	total: 1.26s	remaining: 236ms
842:	learn: 0.3009564	total: 1.26s	remaining: 235ms
843:	learn: 0.3007555	total: 1.26s	remaining: 233ms
844:	learn: 0.3007316	total: 1.26s	remaining: 232ms
845:	learn: 0.3006045	total: 1.27s	remaining: 231ms
846:	learn: 0.3004859	total: 1.27s	remaining: 229ms
847:	learn: 0.3004151	total: 1.27s	remaining: 228ms
848:	learn: 0.3001806	total: 1.27s	remaining: 226ms
849:	learn: 0.3000761	total: 1.27s	remaining: 225ms
850:	learn: 0.2999579	total: 1.27s	remaining: 223ms
851:	learn: 0.2996855	total: 1.28s	remaining: 222ms
852:	learn: 0.2994374	total: 1.28s	remaining: 220ms
853:	learn: 0.2992340	total: 1.28s	remaining: 219ms
854:	learn: 0.2991619	total: 1.28s	remaining: 217ms
855:	learn: 0.2991045	total: 1.28s	remaining: 216ms
856:	learn: 0.2990527	total: 1.28s	remaining: 215ms
857:	learn: 0.2988553	total: 1.29s	remaining: 213ms
858:	learn: 0.2988121	total: 1.29s	remaining: 212ms
859:	learn: 0.2987529	total: 1.29s	remaining: 210ms
860:	learn: 0.2987356	total: 1.29s	remaining: 209ms
861:	learn: 0.2987133	total: 1.29s	remaining: 207ms
862:	learn: 0.2986019	total: 1.29s	remaining: 206ms
863:	learn: 0.2985506	total: 1.3s	remaining: 204ms
864:	learn: 0.2985206	total: 1.3s	remaining: 203ms
865:	learn: 0.2983480	total: 1.3s	remaining: 201ms
866:	learn: 0.2982875	total: 1.3s	remaining: 200ms
867:	learn: 0.2981581	total: 1.3s	remaining: 198ms
868:	learn: 0.2980455	total: 1.31s	remaining: 197ms
869:	learn: 0.2978701	total: 1.31s	remaining: 195ms
870:	learn: 0.2977883	total: 1.31s	remaining: 194ms
871:	learn: 0.2977332	total: 1.31s	remaining: 192ms
872:	learn: 0.2975250	total: 1.31s	remaining: 191ms
873:	learn: 0.2974171	total: 1.31s	remaining: 189ms
874:	learn: 0.2972958	total: 1.31s	remaining: 188ms
875:	learn: 0.2972507	total: 1.32s	remaining: 186ms
876:	learn: 0.2971696	total: 1.32s	remaining: 185ms
877:	learn: 0.2970684	total: 1.32s	remaining: 183ms
878:	learn: 0.2969561	total: 1.32s	remaining: 182ms
879:	learn: 0.2969224	total: 1.32s	remaining: 180ms
880:	learn: 0.2967974	total: 1.32s	remaining: 179ms
881:	learn: 0.2967219	total: 1.32s	remaining: 177ms
882:	learn: 0.2966540	total: 1.32s	remaining: 176ms
883:	learn: 0.2965454	total: 1.33s	remaining: 174ms
884:	learn: 0.2964897	total: 1.33s	remaining: 173ms
885:	learn: 0.2963961	total: 1.33s	remaining: 171ms
886:	learn: 0.2963254	total: 1.33s	remaining: 170ms
887:	learn: 0.2961332	total: 1.33s	remaining: 168ms
888:	learn: 0.2960820	total: 1.33s	remaining: 167ms
889:	learn: 0.2959206	total: 1.34s	remaining: 165ms
890:	learn: 0.2958621	total: 1.34s	remaining: 164ms
891:	learn: 0.2956967	total: 1.34s	remaining: 162ms
892:	learn: 0.2956296	total: 1.34s	remaining: 161ms
893:	learn: 0.2955670	total: 1.34s	remaining: 159ms
894:	learn: 0.2954991	total: 1.34s	remaining: 158ms
895:	learn: 0.2953110	total: 1.34s	remaining: 156ms
896:	learn: 0.2952475	total: 1.35s	remaining: 155ms
897:	learn: 0.2951058	total: 1.35s	remaining: 153ms
898:	learn: 0.2949943	total: 1.35s	remaining: 152ms
899:	learn: 0.2949473	total: 1.35s	remaining: 150ms
900:	learn: 0.2948221	total: 1.35s	remaining: 149ms
901:	learn: 0.2946752	total: 1.35s	remaining: 147ms
902:	learn: 0.2945646	total: 1.36s	remaining: 146ms
903:	learn: 0.2945091	total: 1.36s	remaining: 144ms
904:	learn: 0.2944641	total: 1.36s	remaining: 143ms
905:	learn: 0.2943766	total: 1.36s	remaining: 141ms
906:	learn: 0.2942053	total: 1.36s	remaining: 140ms
907:	learn: 0.2940319	total: 1.36s	remaining: 138ms
908:	learn: 0.2939657	total: 1.37s	remaining: 137ms
909:	learn: 0.2938884	total: 1.37s	remaining: 135ms
910:	learn: 0.2937949	total: 1.37s	remaining: 134ms
911:	learn: 0.2937348	total: 1.37s	remaining: 132ms
912:	learn: 0.2936311	total: 1.37s	remaining: 131ms
913:	learn: 0.2935796	total: 1.37s	remaining: 129ms
914:	learn: 0.2935287	total: 1.37s	remaining: 128ms
915:	learn: 0.2934737	total: 1.38s	remaining: 126ms
916:	learn: 0.2934425	total: 1.38s	remaining: 125ms
917:	learn: 0.2933117	total: 1.38s	remaining: 123ms
918:	learn: 0.2932508	total: 1.38s	remaining: 122ms
919:	learn: 0.2931451	total: 1.38s	remaining: 120ms
920:	learn: 0.2929175	total: 1.38s	remaining: 119ms
921:	learn: 0.2928891	total: 1.38s	remaining: 117ms
922:	learn: 0.2928297	total: 1.39s	remaining: 116ms
923:	learn: 0.2927526	total: 1.39s	remaining: 114ms
924:	learn: 0.2926362	total: 1.39s	remaining: 113ms
925:	learn: 0.2925069	total: 1.39s	remaining: 111ms
926:	learn: 0.2924543	total: 1.4s	remaining: 110ms
927:	learn: 0.2923215	total: 1.4s	remaining: 109ms
928:	learn: 0.2922484	total: 1.4s	remaining: 107ms
929:	learn: 0.2922325	total: 1.4s	remaining: 105ms
930:	learn: 0.2920946	total: 1.4s	remaining: 104ms
931:	learn: 0.2920391	total: 1.4s	remaining: 102ms
932:	learn: 0.2919830	total: 1.41s	remaining: 101ms
933:	learn: 0.2918362	total: 1.41s	remaining: 99.5ms
934:	learn: 0.2916514	total: 1.41s	remaining: 97.9ms
935:	learn: 0.2914741	total: 1.41s	remaining: 96.4ms
936:	learn: 0.2913659	total: 1.41s	remaining: 95ms
937:	learn: 0.2913421	total: 1.41s	remaining: 93.5ms
938:	learn: 0.2912195	total: 1.42s	remaining: 92ms
939:	learn: 0.2910886	total: 1.42s	remaining: 90.4ms
940:	learn: 0.2910256	total: 1.42s	remaining: 88.9ms
941:	learn: 0.2909522	total: 1.42s	remaining: 87.3ms
942:	learn: 0.2909484	total: 1.42s	remaining: 85.8ms
943:	learn: 0.2907093	total: 1.42s	remaining: 84.2ms
944:	learn: 0.2905844	total: 1.42s	remaining: 82.7ms
945:	learn: 0.2904932	total: 1.42s	remaining: 81.2ms
946:	learn: 0.2904213	total: 1.42s	remaining: 79.7ms
947:	learn: 0.2902951	total: 1.42s	remaining: 78.1ms
948:	learn: 0.2902114	total: 1.43s	remaining: 76.6ms
949:	learn: 0.2899917	total: 1.43s	remaining: 75.1ms
950:	learn: 0.2899300	total: 1.43s	remaining: 73.6ms
951:	learn: 0.2897598	total: 1.43s	remaining: 72.1ms
952:	learn: 0.2897300	total: 1.43s	remaining: 70.6ms
953:	learn: 0.2895930	total: 1.43s	remaining: 69.1ms
954:	learn: 0.2894834	total: 1.43s	remaining: 67.6ms
955:	learn: 0.2893749	total: 1.43s	remaining: 66ms
956:	learn: 0.2893005	total: 1.44s	remaining: 64.5ms
957:	learn: 0.2891860	total: 1.44s	remaining: 63ms
958:	learn: 0.2890698	total: 1.44s	remaining: 61.5ms
959:	learn: 0.2889885	total: 1.44s	remaining: 60ms
960:	learn: 0.2889449	total: 1.44s	remaining: 58.5ms
961:	learn: 0.2888781	total: 1.44s	remaining: 57ms
962:	learn: 0.2887160	total: 1.45s	remaining: 55.5ms
963:	learn: 0.2886128	total: 1.45s	remaining: 54ms
964:	learn: 0.2885095	total: 1.45s	remaining: 52.5ms
965:	learn: 0.2884465	total: 1.45s	remaining: 51ms
966:	learn: 0.2884018	total: 1.45s	remaining: 49.5ms
967:	learn: 0.2883151	total: 1.45s	remaining: 48ms
968:	learn: 0.2882751	total: 1.45s	remaining: 46.5ms
969:	learn: 0.2882401	total: 1.45s	remaining: 45ms
970:	learn: 0.2880500	total: 1.46s	remaining: 43.5ms
971:	learn: 0.2879985	total: 1.46s	remaining: 42ms
972:	learn: 0.2879284	total: 1.46s	remaining: 40.5ms
973:	learn: 0.2878474	total: 1.46s	remaining: 39ms
974:	learn: 0.2877816	total: 1.46s	remaining: 37.5ms
975:	learn: 0.2877059	total: 1.46s	remaining: 36ms
976:	learn: 0.2876760	total: 1.46s	remaining: 34.5ms
977:	learn: 0.2876002	total: 1.47s	remaining: 33ms
978:	learn: 0.2874926	total: 1.47s	remaining: 31.5ms
979:	learn: 0.2874273	total: 1.47s	remaining: 30ms
980:	learn: 0.2873523	total: 1.47s	remaining: 28.5ms
981:	learn: 0.2872262	total: 1.47s	remaining: 27ms
982:	learn: 0.2872093	total: 1.47s	remaining: 25.5ms
983:	learn: 0.2869866	total: 1.48s	remaining: 24ms
984:	learn: 0.2868114	total: 1.48s	remaining: 22.5ms
985:	learn: 0.2867605	total: 1.48s	remaining: 21ms
986:	learn: 0.2865794	total: 1.48s	remaining: 19.5ms
987:	learn: 0.2865362	total: 1.48s	remaining: 18ms
988:	learn: 0.2864124	total: 1.48s	remaining: 16.5ms
989:	learn: 0.2863599	total: 1.48s	remaining: 15ms
990:	learn: 0.2862981	total: 1.49s	remaining: 13.5ms
991:	learn: 0.2862592	total: 1.49s	remaining: 12ms
992:	learn: 0.2860490	total: 1.49s	remaining: 10.5ms
993:	learn: 0.2858808	total: 1.49s	remaining: 9ms
994:	learn: 0.2856984	total: 1.49s	remaining: 7.5ms
995:	learn: 0.2855439	total: 1.49s	remaining: 6ms
996:	learn: 0.2854598	total: 1.5s	remaining: 4.5ms
997:	learn: 0.2853169	total: 1.5s	remaining: 3ms
998:	learn: 0.2851496	total: 1.5s	remaining: 1.5ms
999:	learn: 0.2850584	total: 1.5s	remaining: 0us
Learning rate set to 0.009376
0:	learn: 0.6867228	total: 1.5ms	remaining: 1.5s
1:	learn: 0.6832765	total: 2.39ms	remaining: 1.19s
2:	learn: 0.6783173	total: 3.39ms	remaining: 1.13s
3:	learn: 0.6737638	total: 4.38ms	remaining: 1.09s
4:	learn: 0.6687924	total: 6.66ms	remaining: 1.32s
5:	learn: 0.6632521	total: 8.45ms	remaining: 1.4s
6:	learn: 0.6575288	total: 9.8ms	remaining: 1.39s
7:	learn: 0.6515982	total: 12ms	remaining: 1.49s
8:	learn: 0.6467883	total: 13.7ms	remaining: 1.51s
9:	learn: 0.6414694	total: 15.3ms	remaining: 1.51s
10:	learn: 0.6360234	total: 17.2ms	remaining: 1.54s
11:	learn: 0.6307969	total: 18.6ms	remaining: 1.53s
12:	learn: 0.6260650	total: 20.7ms	remaining: 1.57s
13:	learn: 0.6217357	total: 22ms	remaining: 1.55s
14:	learn: 0.6174747	total: 23.6ms	remaining: 1.55s
15:	learn: 0.6133424	total: 25ms	remaining: 1.54s
16:	learn: 0.6089263	total: 27ms	remaining: 1.56s
17:	learn: 0.6052535	total: 28.8ms	remaining: 1.57s
18:	learn: 0.6015505	total: 30.1ms	remaining: 1.55s
19:	learn: 0.5976408	total: 31.4ms	remaining: 1.54s
20:	learn: 0.5930024	total: 32.7ms	remaining: 1.52s
21:	learn: 0.5888466	total: 34ms	remaining: 1.51s
22:	learn: 0.5848182	total: 35.6ms	remaining: 1.51s
23:	learn: 0.5808345	total: 37.6ms	remaining: 1.53s
24:	learn: 0.5778236	total: 39.3ms	remaining: 1.53s
25:	learn: 0.5745259	total: 40.5ms	remaining: 1.52s
26:	learn: 0.5713754	total: 42.2ms	remaining: 1.52s
27:	learn: 0.5695223	total: 43ms	remaining: 1.49s
28:	learn: 0.5659652	total: 44.4ms	remaining: 1.49s
29:	learn: 0.5624129	total: 46.6ms	remaining: 1.51s
30:	learn: 0.5590910	total: 48.2ms	remaining: 1.51s
31:	learn: 0.5558862	total: 49.6ms	remaining: 1.5s
32:	learn: 0.5532856	total: 50.7ms	remaining: 1.49s
33:	learn: 0.5506818	total: 51.6ms	remaining: 1.47s
34:	learn: 0.5478309	total: 53ms	remaining: 1.46s
35:	learn: 0.5444049	total: 54.4ms	remaining: 1.46s
36:	learn: 0.5427476	total: 55.6ms	remaining: 1.45s
37:	learn: 0.5398817	total: 57ms	remaining: 1.44s
38:	learn: 0.5367079	total: 58.4ms	remaining: 1.44s
39:	learn: 0.5340959	total: 59.7ms	remaining: 1.43s
40:	learn: 0.5309998	total: 61.1ms	remaining: 1.43s
41:	learn: 0.5285470	total: 62.3ms	remaining: 1.42s
42:	learn: 0.5256885	total: 63.9ms	remaining: 1.42s
43:	learn: 0.5230867	total: 65.5ms	remaining: 1.42s
44:	learn: 0.5200491	total: 67.5ms	remaining: 1.43s
45:	learn: 0.5171651	total: 68.9ms	remaining: 1.43s
46:	learn: 0.5147910	total: 70.4ms	remaining: 1.43s
47:	learn: 0.5126697	total: 71.5ms	remaining: 1.42s
48:	learn: 0.5103598	total: 72.7ms	remaining: 1.41s
49:	learn: 0.5082072	total: 73.9ms	remaining: 1.4s
50:	learn: 0.5055356	total: 75.1ms	remaining: 1.4s
51:	learn: 0.5041853	total: 75.8ms	remaining: 1.38s
52:	learn: 0.5016975	total: 77.5ms	remaining: 1.38s
53:	learn: 0.4998534	total: 78.5ms	remaining: 1.37s
54:	learn: 0.4980160	total: 79.6ms	remaining: 1.37s
55:	learn: 0.4960924	total: 80.8ms	remaining: 1.36s
56:	learn: 0.4940881	total: 82.2ms	remaining: 1.36s
57:	learn: 0.4917561	total: 83.5ms	remaining: 1.35s
58:	learn: 0.4898060	total: 84.8ms	remaining: 1.35s
59:	learn: 0.4876478	total: 86.1ms	remaining: 1.35s
60:	learn: 0.4857896	total: 87.4ms	remaining: 1.35s
61:	learn: 0.4841938	total: 88.6ms	remaining: 1.34s
62:	learn: 0.4823183	total: 90ms	remaining: 1.34s
63:	learn: 0.4806592	total: 91.2ms	remaining: 1.33s
64:	learn: 0.4792165	total: 92.3ms	remaining: 1.33s
65:	learn: 0.4772564	total: 93.2ms	remaining: 1.32s
66:	learn: 0.4758458	total: 94.4ms	remaining: 1.31s
67:	learn: 0.4747235	total: 95.4ms	remaining: 1.31s
68:	learn: 0.4739002	total: 96.4ms	remaining: 1.3s
69:	learn: 0.4724077	total: 97.6ms	remaining: 1.3s
70:	learn: 0.4710322	total: 99.1ms	remaining: 1.3s
71:	learn: 0.4691326	total: 100ms	remaining: 1.29s
72:	learn: 0.4674599	total: 102ms	remaining: 1.29s
73:	learn: 0.4662745	total: 103ms	remaining: 1.29s
74:	learn: 0.4646316	total: 105ms	remaining: 1.29s
75:	learn: 0.4631054	total: 107ms	remaining: 1.3s
76:	learn: 0.4613627	total: 109ms	remaining: 1.3s
77:	learn: 0.4599992	total: 110ms	remaining: 1.3s
78:	learn: 0.4583952	total: 112ms	remaining: 1.31s
79:	learn: 0.4574014	total: 114ms	remaining: 1.31s
80:	learn: 0.4562770	total: 115ms	remaining: 1.31s
81:	learn: 0.4548553	total: 117ms	remaining: 1.31s
82:	learn: 0.4538027	total: 119ms	remaining: 1.31s
83:	learn: 0.4526945	total: 120ms	remaining: 1.31s
84:	learn: 0.4515245	total: 121ms	remaining: 1.31s
85:	learn: 0.4505741	total: 123ms	remaining: 1.3s
86:	learn: 0.4493677	total: 124ms	remaining: 1.3s
87:	learn: 0.4483326	total: 125ms	remaining: 1.29s
88:	learn: 0.4469672	total: 126ms	remaining: 1.29s
89:	learn: 0.4458444	total: 127ms	remaining: 1.29s
90:	learn: 0.4446375	total: 128ms	remaining: 1.28s
91:	learn: 0.4437930	total: 129ms	remaining: 1.28s
92:	learn: 0.4425878	total: 131ms	remaining: 1.28s
93:	learn: 0.4414807	total: 132ms	remaining: 1.28s
94:	learn: 0.4403326	total: 134ms	remaining: 1.27s
95:	learn: 0.4393239	total: 135ms	remaining: 1.27s
96:	learn: 0.4384646	total: 136ms	remaining: 1.27s
97:	learn: 0.4377032	total: 138ms	remaining: 1.27s
98:	learn: 0.4368839	total: 139ms	remaining: 1.27s
99:	learn: 0.4358662	total: 141ms	remaining: 1.27s
100:	learn: 0.4348885	total: 143ms	remaining: 1.27s
101:	learn: 0.4342714	total: 144ms	remaining: 1.27s
102:	learn: 0.4337301	total: 146ms	remaining: 1.27s
103:	learn: 0.4328736	total: 147ms	remaining: 1.27s
104:	learn: 0.4318225	total: 149ms	remaining: 1.27s
105:	learn: 0.4308224	total: 151ms	remaining: 1.27s
106:	learn: 0.4300008	total: 152ms	remaining: 1.27s
107:	learn: 0.4291874	total: 154ms	remaining: 1.27s
108:	learn: 0.4281482	total: 155ms	remaining: 1.27s
109:	learn: 0.4272447	total: 156ms	remaining: 1.26s
110:	learn: 0.4263470	total: 158ms	remaining: 1.26s
111:	learn: 0.4254601	total: 159ms	remaining: 1.26s
112:	learn: 0.4247835	total: 160ms	remaining: 1.26s
113:	learn: 0.4240124	total: 162ms	remaining: 1.25s
114:	learn: 0.4230515	total: 163ms	remaining: 1.26s
115:	learn: 0.4222429	total: 165ms	remaining: 1.25s
116:	learn: 0.4216542	total: 166ms	remaining: 1.25s
117:	learn: 0.4210667	total: 167ms	remaining: 1.25s
118:	learn: 0.4205603	total: 169ms	remaining: 1.25s
119:	learn: 0.4200162	total: 170ms	remaining: 1.25s
120:	learn: 0.4194606	total: 172ms	remaining: 1.25s
121:	learn: 0.4187977	total: 173ms	remaining: 1.25s
122:	learn: 0.4180219	total: 175ms	remaining: 1.24s
123:	learn: 0.4173028	total: 176ms	remaining: 1.24s
124:	learn: 0.4166850	total: 178ms	remaining: 1.25s
125:	learn: 0.4160005	total: 180ms	remaining: 1.25s
126:	learn: 0.4154545	total: 181ms	remaining: 1.25s
127:	learn: 0.4149847	total: 183ms	remaining: 1.25s
128:	learn: 0.4146016	total: 184ms	remaining: 1.24s
129:	learn: 0.4138736	total: 186ms	remaining: 1.24s
130:	learn: 0.4130664	total: 187ms	remaining: 1.24s
131:	learn: 0.4127018	total: 189ms	remaining: 1.24s
132:	learn: 0.4119298	total: 190ms	remaining: 1.24s
133:	learn: 0.4113258	total: 191ms	remaining: 1.24s
134:	learn: 0.4108035	total: 193ms	remaining: 1.24s
135:	learn: 0.4103204	total: 194ms	remaining: 1.23s
136:	learn: 0.4097764	total: 196ms	remaining: 1.24s
137:	learn: 0.4095147	total: 199ms	remaining: 1.24s
138:	learn: 0.4091512	total: 201ms	remaining: 1.24s
139:	learn: 0.4086709	total: 202ms	remaining: 1.24s
140:	learn: 0.4082409	total: 205ms	remaining: 1.25s
141:	learn: 0.4076925	total: 207ms	remaining: 1.25s
142:	learn: 0.4073327	total: 208ms	remaining: 1.25s
143:	learn: 0.4067616	total: 210ms	remaining: 1.25s
144:	learn: 0.4060920	total: 212ms	remaining: 1.25s
145:	learn: 0.4055673	total: 213ms	remaining: 1.25s
146:	learn: 0.4049542	total: 215ms	remaining: 1.25s
147:	learn: 0.4045568	total: 217ms	remaining: 1.25s
148:	learn: 0.4041748	total: 218ms	remaining: 1.25s
149:	learn: 0.4037794	total: 220ms	remaining: 1.25s
150:	learn: 0.4032580	total: 222ms	remaining: 1.25s
151:	learn: 0.4026045	total: 223ms	remaining: 1.25s
152:	learn: 0.4024176	total: 225ms	remaining: 1.25s
153:	learn: 0.4018101	total: 227ms	remaining: 1.24s
154:	learn: 0.4016745	total: 227ms	remaining: 1.24s
155:	learn: 0.4010508	total: 229ms	remaining: 1.24s
156:	learn: 0.4005968	total: 231ms	remaining: 1.24s
157:	learn: 0.4002601	total: 233ms	remaining: 1.24s
158:	learn: 0.3998087	total: 234ms	remaining: 1.24s
159:	learn: 0.3995030	total: 236ms	remaining: 1.24s
160:	learn: 0.3990176	total: 237ms	remaining: 1.23s
161:	learn: 0.3986733	total: 238ms	remaining: 1.23s
162:	learn: 0.3985094	total: 239ms	remaining: 1.23s
163:	learn: 0.3981641	total: 240ms	remaining: 1.22s
164:	learn: 0.3979441	total: 241ms	remaining: 1.22s
165:	learn: 0.3977208	total: 244ms	remaining: 1.22s
166:	learn: 0.3974086	total: 246ms	remaining: 1.23s
167:	learn: 0.3971029	total: 248ms	remaining: 1.23s
168:	learn: 0.3968692	total: 249ms	remaining: 1.23s
169:	learn: 0.3965079	total: 251ms	remaining: 1.22s
170:	learn: 0.3962005	total: 253ms	remaining: 1.23s
171:	learn: 0.3957390	total: 254ms	remaining: 1.22s
172:	learn: 0.3952936	total: 256ms	remaining: 1.22s
173:	learn: 0.3949103	total: 257ms	remaining: 1.22s
174:	learn: 0.3944509	total: 258ms	remaining: 1.22s
175:	learn: 0.3941401	total: 260ms	remaining: 1.22s
176:	learn: 0.3939093	total: 261ms	remaining: 1.21s
177:	learn: 0.3935417	total: 262ms	remaining: 1.21s
178:	learn: 0.3931064	total: 264ms	remaining: 1.21s
179:	learn: 0.3927642	total: 265ms	remaining: 1.21s
180:	learn: 0.3926372	total: 266ms	remaining: 1.2s
181:	learn: 0.3921673	total: 267ms	remaining: 1.2s
182:	learn: 0.3919263	total: 268ms	remaining: 1.2s
183:	learn: 0.3917795	total: 270ms	remaining: 1.2s
184:	learn: 0.3910897	total: 271ms	remaining: 1.2s
185:	learn: 0.3909125	total: 273ms	remaining: 1.2s
186:	learn: 0.3905845	total: 275ms	remaining: 1.19s
187:	learn: 0.3901354	total: 276ms	remaining: 1.19s
188:	learn: 0.3899308	total: 278ms	remaining: 1.19s
189:	learn: 0.3896043	total: 279ms	remaining: 1.19s
190:	learn: 0.3892538	total: 281ms	remaining: 1.19s
191:	learn: 0.3889380	total: 283ms	remaining: 1.19s
192:	learn: 0.3885610	total: 284ms	remaining: 1.19s
193:	learn: 0.3882863	total: 286ms	remaining: 1.19s
194:	learn: 0.3878854	total: 287ms	remaining: 1.19s
195:	learn: 0.3875447	total: 288ms	remaining: 1.18s
196:	learn: 0.3874372	total: 289ms	remaining: 1.18s
197:	learn: 0.3870530	total: 291ms	remaining: 1.18s
198:	learn: 0.3868049	total: 293ms	remaining: 1.18s
199:	learn: 0.3865737	total: 294ms	remaining: 1.18s
200:	learn: 0.3863799	total: 296ms	remaining: 1.18s
201:	learn: 0.3858451	total: 298ms	remaining: 1.18s
202:	learn: 0.3856617	total: 301ms	remaining: 1.18s
203:	learn: 0.3854151	total: 302ms	remaining: 1.18s
204:	learn: 0.3852737	total: 304ms	remaining: 1.18s
205:	learn: 0.3850484	total: 306ms	remaining: 1.18s
206:	learn: 0.3848737	total: 308ms	remaining: 1.18s
207:	learn: 0.3846017	total: 309ms	remaining: 1.18s
208:	learn: 0.3843079	total: 311ms	remaining: 1.18s
209:	learn: 0.3840249	total: 312ms	remaining: 1.17s
210:	learn: 0.3835814	total: 314ms	remaining: 1.17s
211:	learn: 0.3834562	total: 315ms	remaining: 1.17s
212:	learn: 0.3832849	total: 317ms	remaining: 1.17s
213:	learn: 0.3829558	total: 319ms	remaining: 1.17s
214:	learn: 0.3825862	total: 320ms	remaining: 1.17s
215:	learn: 0.3822827	total: 322ms	remaining: 1.17s
216:	learn: 0.3819357	total: 323ms	remaining: 1.16s
217:	learn: 0.3817114	total: 325ms	remaining: 1.16s
218:	learn: 0.3813598	total: 326ms	remaining: 1.16s
219:	learn: 0.3811191	total: 328ms	remaining: 1.16s
220:	learn: 0.3810240	total: 329ms	remaining: 1.16s
221:	learn: 0.3807463	total: 331ms	remaining: 1.16s
222:	learn: 0.3805460	total: 332ms	remaining: 1.16s
223:	learn: 0.3802177	total: 334ms	remaining: 1.16s
224:	learn: 0.3800666	total: 335ms	remaining: 1.15s
225:	learn: 0.3798269	total: 336ms	remaining: 1.15s
226:	learn: 0.3793985	total: 338ms	remaining: 1.15s
227:	learn: 0.3790721	total: 339ms	remaining: 1.15s
228:	learn: 0.3786904	total: 340ms	remaining: 1.15s
229:	learn: 0.3784898	total: 342ms	remaining: 1.15s
230:	learn: 0.3783903	total: 344ms	remaining: 1.14s
231:	learn: 0.3780328	total: 345ms	remaining: 1.14s
232:	learn: 0.3778548	total: 346ms	remaining: 1.14s
233:	learn: 0.3775097	total: 347ms	remaining: 1.14s
234:	learn: 0.3773275	total: 349ms	remaining: 1.14s
235:	learn: 0.3770105	total: 350ms	remaining: 1.13s
236:	learn: 0.3767716	total: 351ms	remaining: 1.13s
237:	learn: 0.3767114	total: 352ms	remaining: 1.13s
238:	learn: 0.3764615	total: 354ms	remaining: 1.13s
239:	learn: 0.3762802	total: 355ms	remaining: 1.12s
240:	learn: 0.3760081	total: 357ms	remaining: 1.12s
241:	learn: 0.3756641	total: 358ms	remaining: 1.12s
242:	learn: 0.3754938	total: 360ms	remaining: 1.12s
243:	learn: 0.3752206	total: 361ms	remaining: 1.12s
244:	learn: 0.3750089	total: 363ms	remaining: 1.12s
245:	learn: 0.3747303	total: 364ms	remaining: 1.11s
246:	learn: 0.3744595	total: 366ms	remaining: 1.11s
247:	learn: 0.3742590	total: 367ms	remaining: 1.11s
248:	learn: 0.3739645	total: 369ms	remaining: 1.11s
249:	learn: 0.3738469	total: 370ms	remaining: 1.11s
250:	learn: 0.3735435	total: 372ms	remaining: 1.11s
251:	learn: 0.3734369	total: 374ms	remaining: 1.11s
252:	learn: 0.3733170	total: 375ms	remaining: 1.11s
253:	learn: 0.3732054	total: 377ms	remaining: 1.11s
254:	learn: 0.3730261	total: 378ms	remaining: 1.1s
255:	learn: 0.3727287	total: 380ms	remaining: 1.1s
256:	learn: 0.3726284	total: 381ms	remaining: 1.1s
257:	learn: 0.3723686	total: 382ms	remaining: 1.1s
258:	learn: 0.3718880	total: 384ms	remaining: 1.1s
259:	learn: 0.3717001	total: 387ms	remaining: 1.1s
260:	learn: 0.3714900	total: 389ms	remaining: 1.1s
261:	learn: 0.3714231	total: 392ms	remaining: 1.1s
262:	learn: 0.3712471	total: 394ms	remaining: 1.1s
263:	learn: 0.3707569	total: 398ms	remaining: 1.11s
264:	learn: 0.3704522	total: 400ms	remaining: 1.11s
265:	learn: 0.3703470	total: 401ms	remaining: 1.11s
266:	learn: 0.3701631	total: 402ms	remaining: 1.1s
267:	learn: 0.3699508	total: 403ms	remaining: 1.1s
268:	learn: 0.3695868	total: 405ms	remaining: 1.1s
269:	learn: 0.3694010	total: 406ms	remaining: 1.1s
270:	learn: 0.3692719	total: 408ms	remaining: 1.1s
271:	learn: 0.3690948	total: 410ms	remaining: 1.1s
272:	learn: 0.3690314	total: 412ms	remaining: 1.09s
273:	learn: 0.3687061	total: 413ms	remaining: 1.09s
274:	learn: 0.3686732	total: 414ms	remaining: 1.09s
275:	learn: 0.3685631	total: 416ms	remaining: 1.09s
276:	learn: 0.3683384	total: 417ms	remaining: 1.09s
277:	learn: 0.3680407	total: 419ms	remaining: 1.09s
278:	learn: 0.3678471	total: 421ms	remaining: 1.09s
279:	learn: 0.3676178	total: 422ms	remaining: 1.08s
280:	learn: 0.3674435	total: 424ms	remaining: 1.08s
281:	learn: 0.3672920	total: 426ms	remaining: 1.08s
282:	learn: 0.3671225	total: 427ms	remaining: 1.08s
283:	learn: 0.3669922	total: 429ms	remaining: 1.08s
284:	learn: 0.3667081	total: 431ms	remaining: 1.08s
285:	learn: 0.3666265	total: 433ms	remaining: 1.08s
286:	learn: 0.3663534	total: 434ms	remaining: 1.08s
287:	learn: 0.3660859	total: 436ms	remaining: 1.08s
288:	learn: 0.3659621	total: 437ms	remaining: 1.07s
289:	learn: 0.3657920	total: 439ms	remaining: 1.07s
290:	learn: 0.3656281	total: 440ms	remaining: 1.07s
291:	learn: 0.3653163	total: 442ms	remaining: 1.07s
292:	learn: 0.3651564	total: 444ms	remaining: 1.07s
293:	learn: 0.3649589	total: 446ms	remaining: 1.07s
294:	learn: 0.3648226	total: 448ms	remaining: 1.07s
295:	learn: 0.3645902	total: 450ms	remaining: 1.07s
296:	learn: 0.3644579	total: 451ms	remaining: 1.07s
297:	learn: 0.3643714	total: 453ms	remaining: 1.07s
298:	learn: 0.3641305	total: 455ms	remaining: 1.06s
299:	learn: 0.3640445	total: 456ms	remaining: 1.06s
300:	learn: 0.3639637	total: 458ms	remaining: 1.06s
301:	learn: 0.3637943	total: 460ms	remaining: 1.06s
302:	learn: 0.3637326	total: 462ms	remaining: 1.06s
303:	learn: 0.3635835	total: 464ms	remaining: 1.06s
304:	learn: 0.3634551	total: 468ms	remaining: 1.06s
305:	learn: 0.3632386	total: 470ms	remaining: 1.07s
306:	learn: 0.3631626	total: 473ms	remaining: 1.07s
307:	learn: 0.3629357	total: 475ms	remaining: 1.07s
308:	learn: 0.3628866	total: 478ms	remaining: 1.07s
309:	learn: 0.3627715	total: 480ms	remaining: 1.07s
310:	learn: 0.3626251	total: 482ms	remaining: 1.07s
311:	learn: 0.3626096	total: 484ms	remaining: 1.07s
312:	learn: 0.3624936	total: 485ms	remaining: 1.06s
313:	learn: 0.3622954	total: 487ms	remaining: 1.06s
314:	learn: 0.3621254	total: 489ms	remaining: 1.06s
315:	learn: 0.3619557	total: 490ms	remaining: 1.06s
316:	learn: 0.3617591	total: 492ms	remaining: 1.06s
317:	learn: 0.3615950	total: 494ms	remaining: 1.06s
318:	learn: 0.3614097	total: 495ms	remaining: 1.06s
319:	learn: 0.3612930	total: 496ms	remaining: 1.05s
320:	learn: 0.3612175	total: 498ms	remaining: 1.05s
321:	learn: 0.3611082	total: 499ms	remaining: 1.05s
322:	learn: 0.3608556	total: 501ms	remaining: 1.05s
323:	learn: 0.3608406	total: 501ms	remaining: 1.05s
324:	learn: 0.3608393	total: 503ms	remaining: 1.04s
325:	learn: 0.3607951	total: 504ms	remaining: 1.04s
326:	learn: 0.3606779	total: 506ms	remaining: 1.04s
327:	learn: 0.3605516	total: 508ms	remaining: 1.04s
328:	learn: 0.3604407	total: 509ms	remaining: 1.04s
329:	learn: 0.3603070	total: 511ms	remaining: 1.04s
330:	learn: 0.3602304	total: 514ms	remaining: 1.04s
331:	learn: 0.3600970	total: 516ms	remaining: 1.04s
332:	learn: 0.3600281	total: 519ms	remaining: 1.04s
333:	learn: 0.3598979	total: 520ms	remaining: 1.04s
334:	learn: 0.3598829	total: 521ms	remaining: 1.03s
335:	learn: 0.3596134	total: 525ms	remaining: 1.04s
336:	learn: 0.3594494	total: 526ms	remaining: 1.03s
337:	learn: 0.3593919	total: 527ms	remaining: 1.03s
338:	learn: 0.3592763	total: 529ms	remaining: 1.03s
339:	learn: 0.3591854	total: 530ms	remaining: 1.03s
340:	learn: 0.3590918	total: 531ms	remaining: 1.03s
341:	learn: 0.3589903	total: 533ms	remaining: 1.02s
342:	learn: 0.3589499	total: 535ms	remaining: 1.02s
343:	learn: 0.3587885	total: 539ms	remaining: 1.03s
344:	learn: 0.3586285	total: 542ms	remaining: 1.03s
345:	learn: 0.3585241	total: 544ms	remaining: 1.03s
346:	learn: 0.3583540	total: 546ms	remaining: 1.03s
347:	learn: 0.3582785	total: 548ms	remaining: 1.03s
348:	learn: 0.3579107	total: 551ms	remaining: 1.03s
349:	learn: 0.3578081	total: 554ms	remaining: 1.03s
350:	learn: 0.3576036	total: 556ms	remaining: 1.03s
351:	learn: 0.3575026	total: 557ms	remaining: 1.03s
352:	learn: 0.3573843	total: 559ms	remaining: 1.02s
353:	learn: 0.3573238	total: 560ms	remaining: 1.02s
354:	learn: 0.3571915	total: 562ms	remaining: 1.02s
355:	learn: 0.3570197	total: 563ms	remaining: 1.02s
356:	learn: 0.3569700	total: 565ms	remaining: 1.02s
357:	learn: 0.3569598	total: 566ms	remaining: 1.01s
358:	learn: 0.3568449	total: 567ms	remaining: 1.01s
359:	learn: 0.3567546	total: 569ms	remaining: 1.01s
360:	learn: 0.3564881	total: 570ms	remaining: 1.01s
361:	learn: 0.3563379	total: 571ms	remaining: 1.01s
362:	learn: 0.3560719	total: 573ms	remaining: 1s
363:	learn: 0.3559951	total: 574ms	remaining: 1s
364:	learn: 0.3559124	total: 577ms	remaining: 1s
365:	learn: 0.3557834	total: 579ms	remaining: 1s
366:	learn: 0.3555739	total: 581ms	remaining: 1s
367:	learn: 0.3554660	total: 583ms	remaining: 1s
368:	learn: 0.3552914	total: 585ms	remaining: 1s
369:	learn: 0.3551602	total: 587ms	remaining: 999ms
370:	learn: 0.3551124	total: 588ms	remaining: 998ms
371:	learn: 0.3550373	total: 590ms	remaining: 996ms
372:	learn: 0.3549340	total: 592ms	remaining: 995ms
373:	learn: 0.3548575	total: 593ms	remaining: 993ms
374:	learn: 0.3547309	total: 595ms	remaining: 992ms
375:	learn: 0.3543818	total: 597ms	remaining: 991ms
376:	learn: 0.3542330	total: 599ms	remaining: 990ms
377:	learn: 0.3539839	total: 601ms	remaining: 989ms
378:	learn: 0.3538221	total: 603ms	remaining: 988ms
379:	learn: 0.3537295	total: 605ms	remaining: 987ms
380:	learn: 0.3536052	total: 607ms	remaining: 986ms
381:	learn: 0.3534322	total: 609ms	remaining: 986ms
382:	learn: 0.3532317	total: 611ms	remaining: 985ms
383:	learn: 0.3530407	total: 613ms	remaining: 983ms
384:	learn: 0.3530220	total: 614ms	remaining: 981ms
385:	learn: 0.3527908	total: 616ms	remaining: 980ms
386:	learn: 0.3526332	total: 617ms	remaining: 978ms
387:	learn: 0.3525300	total: 619ms	remaining: 976ms
388:	learn: 0.3524244	total: 621ms	remaining: 975ms
389:	learn: 0.3523354	total: 622ms	remaining: 973ms
390:	learn: 0.3522085	total: 624ms	remaining: 972ms
391:	learn: 0.3521328	total: 625ms	remaining: 970ms
392:	learn: 0.3520635	total: 627ms	remaining: 968ms
393:	learn: 0.3519223	total: 628ms	remaining: 966ms
394:	learn: 0.3518815	total: 629ms	remaining: 963ms
395:	learn: 0.3516992	total: 630ms	remaining: 961ms
396:	learn: 0.3514507	total: 631ms	remaining: 959ms
397:	learn: 0.3512843	total: 633ms	remaining: 957ms
398:	learn: 0.3511843	total: 634ms	remaining: 955ms
399:	learn: 0.3510754	total: 635ms	remaining: 953ms
400:	learn: 0.3509044	total: 637ms	remaining: 951ms
401:	learn: 0.3508436	total: 638ms	remaining: 949ms
402:	learn: 0.3507185	total: 639ms	remaining: 947ms
403:	learn: 0.3506539	total: 641ms	remaining: 945ms
404:	learn: 0.3505839	total: 642ms	remaining: 943ms
405:	learn: 0.3505279	total: 644ms	remaining: 942ms
406:	learn: 0.3502936	total: 645ms	remaining: 940ms
407:	learn: 0.3502769	total: 646ms	remaining: 938ms
408:	learn: 0.3501695	total: 647ms	remaining: 935ms
409:	learn: 0.3500479	total: 649ms	remaining: 934ms
410:	learn: 0.3498411	total: 650ms	remaining: 932ms
411:	learn: 0.3497719	total: 651ms	remaining: 930ms
412:	learn: 0.3497289	total: 653ms	remaining: 928ms
413:	learn: 0.3496738	total: 655ms	remaining: 926ms
414:	learn: 0.3495304	total: 656ms	remaining: 925ms
415:	learn: 0.3492961	total: 658ms	remaining: 924ms
416:	learn: 0.3492530	total: 660ms	remaining: 922ms
417:	learn: 0.3490196	total: 661ms	remaining: 921ms
418:	learn: 0.3489021	total: 663ms	remaining: 919ms
419:	learn: 0.3488263	total: 664ms	remaining: 917ms
420:	learn: 0.3486808	total: 666ms	remaining: 915ms
421:	learn: 0.3485845	total: 667ms	remaining: 914ms
422:	learn: 0.3483744	total: 668ms	remaining: 912ms
423:	learn: 0.3481565	total: 670ms	remaining: 910ms
424:	learn: 0.3480021	total: 671ms	remaining: 908ms
425:	learn: 0.3478757	total: 673ms	remaining: 907ms
426:	learn: 0.3478057	total: 674ms	remaining: 905ms
427:	learn: 0.3477260	total: 675ms	remaining: 902ms
428:	learn: 0.3475446	total: 676ms	remaining: 900ms
429:	learn: 0.3474742	total: 678ms	remaining: 898ms
430:	learn: 0.3473716	total: 679ms	remaining: 897ms
431:	learn: 0.3471752	total: 680ms	remaining: 895ms
432:	learn: 0.3469326	total: 682ms	remaining: 893ms
433:	learn: 0.3468537	total: 683ms	remaining: 891ms
434:	learn: 0.3466170	total: 685ms	remaining: 890ms
435:	learn: 0.3465063	total: 686ms	remaining: 888ms
436:	learn: 0.3463905	total: 688ms	remaining: 886ms
437:	learn: 0.3463188	total: 689ms	remaining: 885ms
438:	learn: 0.3462646	total: 691ms	remaining: 883ms
439:	learn: 0.3461222	total: 692ms	remaining: 881ms
440:	learn: 0.3460095	total: 693ms	remaining: 879ms
441:	learn: 0.3457534	total: 695ms	remaining: 877ms
442:	learn: 0.3454663	total: 696ms	remaining: 875ms
443:	learn: 0.3454525	total: 697ms	remaining: 873ms
444:	learn: 0.3453066	total: 698ms	remaining: 870ms
445:	learn: 0.3452507	total: 699ms	remaining: 868ms
446:	learn: 0.3451885	total: 700ms	remaining: 866ms
447:	learn: 0.3450639	total: 701ms	remaining: 864ms
448:	learn: 0.3447442	total: 702ms	remaining: 861ms
449:	learn: 0.3447253	total: 704ms	remaining: 860ms
450:	learn: 0.3446508	total: 706ms	remaining: 859ms
451:	learn: 0.3445795	total: 707ms	remaining: 857ms
452:	learn: 0.3443678	total: 709ms	remaining: 856ms
453:	learn: 0.3441637	total: 711ms	remaining: 855ms
454:	learn: 0.3440714	total: 712ms	remaining: 853ms
455:	learn: 0.3440250	total: 714ms	remaining: 852ms
456:	learn: 0.3439470	total: 716ms	remaining: 851ms
457:	learn: 0.3438717	total: 717ms	remaining: 849ms
458:	learn: 0.3438079	total: 719ms	remaining: 848ms
459:	learn: 0.3436704	total: 721ms	remaining: 846ms
460:	learn: 0.3434722	total: 723ms	remaining: 845ms
461:	learn: 0.3433707	total: 725ms	remaining: 844ms
462:	learn: 0.3432239	total: 727ms	remaining: 843ms
463:	learn: 0.3430992	total: 729ms	remaining: 842ms
464:	learn: 0.3430017	total: 730ms	remaining: 840ms
465:	learn: 0.3428040	total: 732ms	remaining: 839ms
466:	learn: 0.3426384	total: 734ms	remaining: 837ms
467:	learn: 0.3425092	total: 735ms	remaining: 835ms
468:	learn: 0.3424582	total: 737ms	remaining: 834ms
469:	learn: 0.3422500	total: 739ms	remaining: 833ms
470:	learn: 0.3421483	total: 740ms	remaining: 832ms
471:	learn: 0.3420835	total: 742ms	remaining: 830ms
472:	learn: 0.3418932	total: 744ms	remaining: 829ms
473:	learn: 0.3417646	total: 746ms	remaining: 828ms
474:	learn: 0.3415590	total: 747ms	remaining: 826ms
475:	learn: 0.3414267	total: 749ms	remaining: 824ms
476:	learn: 0.3412597	total: 750ms	remaining: 823ms
477:	learn: 0.3411288	total: 752ms	remaining: 821ms
478:	learn: 0.3410827	total: 753ms	remaining: 819ms
479:	learn: 0.3410561	total: 755ms	remaining: 817ms
480:	learn: 0.3409242	total: 756ms	remaining: 816ms
481:	learn: 0.3407953	total: 758ms	remaining: 814ms
482:	learn: 0.3407045	total: 759ms	remaining: 813ms
483:	learn: 0.3405304	total: 761ms	remaining: 811ms
484:	learn: 0.3403972	total: 762ms	remaining: 809ms
485:	learn: 0.3403422	total: 764ms	remaining: 808ms
486:	learn: 0.3403297	total: 765ms	remaining: 806ms
487:	learn: 0.3401830	total: 766ms	remaining: 804ms
488:	learn: 0.3400112	total: 768ms	remaining: 802ms
489:	learn: 0.3398803	total: 769ms	remaining: 801ms
490:	learn: 0.3397842	total: 771ms	remaining: 799ms
491:	learn: 0.3396033	total: 772ms	remaining: 797ms
492:	learn: 0.3395279	total: 774ms	remaining: 796ms
493:	learn: 0.3393857	total: 776ms	remaining: 795ms
494:	learn: 0.3393196	total: 778ms	remaining: 793ms
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495:	learn: 0.3392637	total: 779ms	remaining: 792ms
496:	learn: 0.3390922	total: 781ms	remaining: 790ms
497:	learn: 0.3390207	total: 782ms	remaining: 788ms
498:	learn: 0.3389178	total: 784ms	remaining: 787ms
499:	learn: 0.3387209	total: 785ms	remaining: 785ms
500:	learn: 0.3387079	total: 786ms	remaining: 783ms
501:	learn: 0.3385398	total: 788ms	remaining: 781ms
502:	learn: 0.3382873	total: 789ms	remaining: 780ms
503:	learn: 0.3382185	total: 790ms	remaining: 778ms
504:	learn: 0.3381411	total: 792ms	remaining: 776ms
505:	learn: 0.3379474	total: 793ms	remaining: 774ms
506:	learn: 0.3378251	total: 795ms	remaining: 773ms
507:	learn: 0.3376625	total: 796ms	remaining: 771ms
508:	learn: 0.3375333	total: 797ms	remaining: 769ms
509:	learn: 0.3373404	total: 799ms	remaining: 767ms
510:	learn: 0.3372137	total: 800ms	remaining: 765ms
511:	learn: 0.3370599	total: 801ms	remaining: 763ms
512:	learn: 0.3369721	total: 803ms	remaining: 762ms
513:	learn: 0.3369040	total: 804ms	remaining: 760ms
514:	learn: 0.3367227	total: 805ms	remaining: 758ms
515:	learn: 0.3366093	total: 807ms	remaining: 757ms
516:	learn: 0.3364784	total: 808ms	remaining: 755ms
517:	learn: 0.3363928	total: 810ms	remaining: 754ms
518:	learn: 0.3363282	total: 812ms	remaining: 752ms
519:	learn: 0.3361825	total: 814ms	remaining: 751ms
520:	learn: 0.3361486	total: 816ms	remaining: 750ms
521:	learn: 0.3360574	total: 817ms	remaining: 748ms
522:	learn: 0.3359226	total: 818ms	remaining: 746ms
523:	learn: 0.3358288	total: 820ms	remaining: 745ms
524:	learn: 0.3357216	total: 821ms	remaining: 743ms
525:	learn: 0.3356351	total: 822ms	remaining: 741ms
526:	learn: 0.3353745	total: 824ms	remaining: 740ms
527:	learn: 0.3353730	total: 825ms	remaining: 737ms
528:	learn: 0.3353051	total: 826ms	remaining: 736ms
529:	learn: 0.3352015	total: 828ms	remaining: 734ms
530:	learn: 0.3351306	total: 829ms	remaining: 733ms
531:	learn: 0.3350725	total: 831ms	remaining: 731ms
532:	learn: 0.3349319	total: 833ms	remaining: 730ms
533:	learn: 0.3348686	total: 834ms	remaining: 728ms
534:	learn: 0.3347705	total: 836ms	remaining: 726ms
535:	learn: 0.3346799	total: 837ms	remaining: 724ms
536:	learn: 0.3345786	total: 838ms	remaining: 723ms
537:	learn: 0.3345156	total: 840ms	remaining: 721ms
538:	learn: 0.3343616	total: 841ms	remaining: 720ms
539:	learn: 0.3343515	total: 842ms	remaining: 718ms
540:	learn: 0.3342852	total: 844ms	remaining: 716ms
541:	learn: 0.3342750	total: 845ms	remaining: 714ms
542:	learn: 0.3342285	total: 846ms	remaining: 712ms
543:	learn: 0.3341403	total: 847ms	remaining: 710ms
544:	learn: 0.3340724	total: 849ms	remaining: 709ms
545:	learn: 0.3340269	total: 850ms	remaining: 707ms
546:	learn: 0.3339433	total: 852ms	remaining: 705ms
547:	learn: 0.3338689	total: 853ms	remaining: 704ms
548:	learn: 0.3337021	total: 855ms	remaining: 702ms
549:	learn: 0.3336671	total: 856ms	remaining: 701ms
550:	learn: 0.3335802	total: 858ms	remaining: 699ms
551:	learn: 0.3335008	total: 860ms	remaining: 698ms
552:	learn: 0.3332913	total: 863ms	remaining: 698ms
553:	learn: 0.3332735	total: 865ms	remaining: 696ms
554:	learn: 0.3331753	total: 866ms	remaining: 694ms
555:	learn: 0.3330891	total: 868ms	remaining: 693ms
556:	learn: 0.3330004	total: 871ms	remaining: 693ms
557:	learn: 0.3329759	total: 873ms	remaining: 691ms
558:	learn: 0.3328559	total: 874ms	remaining: 690ms
559:	learn: 0.3326472	total: 876ms	remaining: 688ms
560:	learn: 0.3325380	total: 878ms	remaining: 687ms
561:	learn: 0.3323668	total: 879ms	remaining: 685ms
562:	learn: 0.3322506	total: 881ms	remaining: 684ms
563:	learn: 0.3321641	total: 882ms	remaining: 682ms
564:	learn: 0.3320698	total: 883ms	remaining: 680ms
565:	learn: 0.3320150	total: 885ms	remaining: 678ms
566:	learn: 0.3318989	total: 886ms	remaining: 677ms
567:	learn: 0.3318432	total: 887ms	remaining: 675ms
568:	learn: 0.3318216	total: 889ms	remaining: 673ms
569:	learn: 0.3317435	total: 890ms	remaining: 671ms
570:	learn: 0.3316829	total: 892ms	remaining: 670ms
571:	learn: 0.3315655	total: 893ms	remaining: 668ms
572:	learn: 0.3315217	total: 897ms	remaining: 668ms
573:	learn: 0.3314254	total: 902ms	remaining: 670ms
574:	learn: 0.3313523	total: 905ms	remaining: 669ms
575:	learn: 0.3313322	total: 906ms	remaining: 667ms
576:	learn: 0.3311888	total: 908ms	remaining: 666ms
577:	learn: 0.3310939	total: 910ms	remaining: 664ms
578:	learn: 0.3310420	total: 911ms	remaining: 663ms
579:	learn: 0.3309187	total: 914ms	remaining: 662ms
580:	learn: 0.3308290	total: 917ms	remaining: 661ms
581:	learn: 0.3307262	total: 920ms	remaining: 661ms
582:	learn: 0.3306443	total: 921ms	remaining: 659ms
583:	learn: 0.3305506	total: 923ms	remaining: 657ms
584:	learn: 0.3303540	total: 924ms	remaining: 655ms
585:	learn: 0.3301047	total: 925ms	remaining: 653ms
586:	learn: 0.3299760	total: 926ms	remaining: 652ms
587:	learn: 0.3298118	total: 927ms	remaining: 650ms
588:	learn: 0.3296297	total: 928ms	remaining: 648ms
589:	learn: 0.3295653	total: 929ms	remaining: 646ms
590:	learn: 0.3295461	total: 930ms	remaining: 644ms
591:	learn: 0.3293066	total: 932ms	remaining: 642ms
592:	learn: 0.3292831	total: 932ms	remaining: 640ms
593:	learn: 0.3291870	total: 937ms	remaining: 640ms
594:	learn: 0.3290956	total: 938ms	remaining: 638ms
595:	learn: 0.3289869	total: 940ms	remaining: 637ms
596:	learn: 0.3289318	total: 941ms	remaining: 635ms
597:	learn: 0.3287937	total: 942ms	remaining: 633ms
598:	learn: 0.3287026	total: 943ms	remaining: 631ms
599:	learn: 0.3286825	total: 945ms	remaining: 630ms
600:	learn: 0.3285667	total: 946ms	remaining: 628ms
601:	learn: 0.3285204	total: 948ms	remaining: 627ms
602:	learn: 0.3284280	total: 950ms	remaining: 625ms
603:	learn: 0.3283051	total: 951ms	remaining: 623ms
604:	learn: 0.3282970	total: 952ms	remaining: 621ms
605:	learn: 0.3282285	total: 953ms	remaining: 619ms
606:	learn: 0.3280842	total: 954ms	remaining: 618ms
607:	learn: 0.3280350	total: 955ms	remaining: 616ms
608:	learn: 0.3279269	total: 956ms	remaining: 614ms
609:	learn: 0.3278331	total: 958ms	remaining: 612ms
610:	learn: 0.3277097	total: 959ms	remaining: 611ms
611:	learn: 0.3276316	total: 960ms	remaining: 609ms
612:	learn: 0.3274584	total: 962ms	remaining: 607ms
613:	learn: 0.3274481	total: 962ms	remaining: 605ms
614:	learn: 0.3273898	total: 964ms	remaining: 603ms
615:	learn: 0.3273092	total: 965ms	remaining: 602ms
616:	learn: 0.3272582	total: 966ms	remaining: 600ms
617:	learn: 0.3270261	total: 968ms	remaining: 598ms
618:	learn: 0.3268785	total: 969ms	remaining: 597ms
619:	learn: 0.3267668	total: 971ms	remaining: 595ms
620:	learn: 0.3266394	total: 972ms	remaining: 593ms
621:	learn: 0.3265739	total: 974ms	remaining: 592ms
622:	learn: 0.3264597	total: 975ms	remaining: 590ms
623:	learn: 0.3263734	total: 976ms	remaining: 588ms
624:	learn: 0.3262311	total: 978ms	remaining: 587ms
625:	learn: 0.3261866	total: 979ms	remaining: 585ms
626:	learn: 0.3260882	total: 981ms	remaining: 583ms
627:	learn: 0.3260012	total: 982ms	remaining: 582ms
628:	learn: 0.3259434	total: 983ms	remaining: 580ms
629:	learn: 0.3258828	total: 987ms	remaining: 580ms
630:	learn: 0.3256387	total: 988ms	remaining: 578ms
631:	learn: 0.3255879	total: 990ms	remaining: 576ms
632:	learn: 0.3255418	total: 991ms	remaining: 575ms
633:	learn: 0.3254761	total: 993ms	remaining: 573ms
634:	learn: 0.3253622	total: 994ms	remaining: 571ms
635:	learn: 0.3252393	total: 995ms	remaining: 570ms
636:	learn: 0.3252072	total: 997ms	remaining: 568ms
637:	learn: 0.3250395	total: 999ms	remaining: 567ms
638:	learn: 0.3248775	total: 1s	remaining: 565ms
639:	learn: 0.3247711	total: 1s	remaining: 564ms
640:	learn: 0.3246633	total: 1s	remaining: 562ms
641:	learn: 0.3244511	total: 1s	remaining: 561ms
642:	learn: 0.3242426	total: 1.01s	remaining: 560ms
643:	learn: 0.3241610	total: 1.01s	remaining: 559ms
644:	learn: 0.3240671	total: 1.01s	remaining: 557ms
645:	learn: 0.3239766	total: 1.01s	remaining: 556ms
646:	learn: 0.3239673	total: 1.02s	remaining: 554ms
647:	learn: 0.3238861	total: 1.02s	remaining: 553ms
648:	learn: 0.3237637	total: 1.02s	remaining: 552ms
649:	learn: 0.3236798	total: 1.02s	remaining: 550ms
650:	learn: 0.3236223	total: 1.02s	remaining: 549ms
651:	learn: 0.3234298	total: 1.02s	remaining: 547ms
652:	learn: 0.3234018	total: 1.03s	remaining: 546ms
653:	learn: 0.3231779	total: 1.03s	remaining: 544ms
654:	learn: 0.3229990	total: 1.03s	remaining: 543ms
655:	learn: 0.3228022	total: 1.03s	remaining: 541ms
656:	learn: 0.3227447	total: 1.03s	remaining: 540ms
657:	learn: 0.3226823	total: 1.03s	remaining: 538ms
658:	learn: 0.3225893	total: 1.04s	remaining: 537ms
659:	learn: 0.3224706	total: 1.04s	remaining: 536ms
660:	learn: 0.3223953	total: 1.04s	remaining: 534ms
661:	learn: 0.3223436	total: 1.04s	remaining: 533ms
662:	learn: 0.3222897	total: 1.04s	remaining: 531ms
663:	learn: 0.3221876	total: 1.05s	remaining: 530ms
664:	learn: 0.3221324	total: 1.05s	remaining: 529ms
665:	learn: 0.3220758	total: 1.05s	remaining: 528ms
666:	learn: 0.3220268	total: 1.05s	remaining: 526ms
667:	learn: 0.3218410	total: 1.06s	remaining: 525ms
668:	learn: 0.3217614	total: 1.06s	remaining: 524ms
669:	learn: 0.3216712	total: 1.06s	remaining: 522ms
670:	learn: 0.3215886	total: 1.06s	remaining: 521ms
671:	learn: 0.3215349	total: 1.06s	remaining: 519ms
672:	learn: 0.3213981	total: 1.06s	remaining: 518ms
673:	learn: 0.3212302	total: 1.07s	remaining: 516ms
674:	learn: 0.3211991	total: 1.07s	remaining: 515ms
675:	learn: 0.3211545	total: 1.07s	remaining: 513ms
676:	learn: 0.3211256	total: 1.07s	remaining: 511ms
677:	learn: 0.3209607	total: 1.07s	remaining: 510ms
678:	learn: 0.3208138	total: 1.07s	remaining: 508ms
679:	learn: 0.3207648	total: 1.08s	remaining: 507ms
680:	learn: 0.3205171	total: 1.08s	remaining: 506ms
681:	learn: 0.3203855	total: 1.08s	remaining: 504ms
682:	learn: 0.3202281	total: 1.08s	remaining: 503ms
683:	learn: 0.3200922	total: 1.08s	remaining: 501ms
684:	learn: 0.3199731	total: 1.09s	remaining: 500ms
685:	learn: 0.3198476	total: 1.09s	remaining: 498ms
686:	learn: 0.3195365	total: 1.09s	remaining: 497ms
687:	learn: 0.3193924	total: 1.09s	remaining: 496ms
688:	learn: 0.3192094	total: 1.1s	remaining: 495ms
689:	learn: 0.3191704	total: 1.1s	remaining: 493ms
690:	learn: 0.3190175	total: 1.1s	remaining: 492ms
691:	learn: 0.3189595	total: 1.1s	remaining: 490ms
692:	learn: 0.3188937	total: 1.1s	remaining: 489ms
693:	learn: 0.3187105	total: 1.1s	remaining: 488ms
694:	learn: 0.3185563	total: 1.11s	remaining: 486ms
695:	learn: 0.3183962	total: 1.11s	remaining: 484ms
696:	learn: 0.3182134	total: 1.11s	remaining: 483ms
697:	learn: 0.3181695	total: 1.11s	remaining: 481ms
698:	learn: 0.3181085	total: 1.11s	remaining: 480ms
699:	learn: 0.3179431	total: 1.11s	remaining: 478ms
700:	learn: 0.3179120	total: 1.12s	remaining: 476ms
701:	learn: 0.3177220	total: 1.12s	remaining: 475ms
702:	learn: 0.3175805	total: 1.12s	remaining: 473ms
703:	learn: 0.3175026	total: 1.12s	remaining: 472ms
704:	learn: 0.3174761	total: 1.12s	remaining: 470ms
705:	learn: 0.3173091	total: 1.13s	remaining: 469ms
706:	learn: 0.3172529	total: 1.13s	remaining: 468ms
707:	learn: 0.3171878	total: 1.13s	remaining: 466ms
708:	learn: 0.3171128	total: 1.13s	remaining: 464ms
709:	learn: 0.3168396	total: 1.13s	remaining: 463ms
710:	learn: 0.3166819	total: 1.13s	remaining: 461ms
711:	learn: 0.3166760	total: 1.14s	remaining: 459ms
712:	learn: 0.3166278	total: 1.14s	remaining: 458ms
713:	learn: 0.3165358	total: 1.14s	remaining: 456ms
714:	learn: 0.3163625	total: 1.14s	remaining: 455ms
715:	learn: 0.3161831	total: 1.14s	remaining: 453ms
716:	learn: 0.3160232	total: 1.14s	remaining: 452ms
717:	learn: 0.3159837	total: 1.15s	remaining: 450ms
718:	learn: 0.3157556	total: 1.15s	remaining: 449ms
719:	learn: 0.3156246	total: 1.15s	remaining: 447ms
720:	learn: 0.3154654	total: 1.15s	remaining: 445ms
721:	learn: 0.3153925	total: 1.15s	remaining: 444ms
722:	learn: 0.3153278	total: 1.15s	remaining: 442ms
723:	learn: 0.3151990	total: 1.16s	remaining: 441ms
724:	learn: 0.3151607	total: 1.16s	remaining: 439ms
725:	learn: 0.3150520	total: 1.16s	remaining: 437ms
726:	learn: 0.3149899	total: 1.16s	remaining: 436ms
727:	learn: 0.3148606	total: 1.16s	remaining: 434ms
728:	learn: 0.3147673	total: 1.16s	remaining: 433ms
729:	learn: 0.3147506	total: 1.16s	remaining: 431ms
730:	learn: 0.3144711	total: 1.17s	remaining: 430ms
731:	learn: 0.3143650	total: 1.17s	remaining: 428ms
732:	learn: 0.3142739	total: 1.17s	remaining: 426ms
733:	learn: 0.3140660	total: 1.17s	remaining: 425ms
734:	learn: 0.3139160	total: 1.17s	remaining: 423ms
735:	learn: 0.3138425	total: 1.17s	remaining: 421ms
736:	learn: 0.3137371	total: 1.18s	remaining: 420ms
737:	learn: 0.3136667	total: 1.18s	remaining: 418ms
738:	learn: 0.3135924	total: 1.18s	remaining: 417ms
739:	learn: 0.3135125	total: 1.18s	remaining: 415ms
740:	learn: 0.3134816	total: 1.18s	remaining: 414ms
741:	learn: 0.3133691	total: 1.18s	remaining: 412ms
742:	learn: 0.3132694	total: 1.19s	remaining: 410ms
743:	learn: 0.3132640	total: 1.19s	remaining: 409ms
744:	learn: 0.3132507	total: 1.19s	remaining: 407ms
745:	learn: 0.3131977	total: 1.19s	remaining: 405ms
746:	learn: 0.3130949	total: 1.19s	remaining: 404ms
747:	learn: 0.3130094	total: 1.19s	remaining: 402ms
748:	learn: 0.3128654	total: 1.2s	remaining: 401ms
749:	learn: 0.3128031	total: 1.2s	remaining: 400ms
750:	learn: 0.3127149	total: 1.2s	remaining: 398ms
751:	learn: 0.3126378	total: 1.2s	remaining: 397ms
752:	learn: 0.3124842	total: 1.2s	remaining: 395ms
753:	learn: 0.3124347	total: 1.21s	remaining: 394ms
754:	learn: 0.3124124	total: 1.21s	remaining: 392ms
755:	learn: 0.3122939	total: 1.21s	remaining: 390ms
756:	learn: 0.3121999	total: 1.21s	remaining: 389ms
757:	learn: 0.3121018	total: 1.21s	remaining: 387ms
758:	learn: 0.3120561	total: 1.21s	remaining: 385ms
759:	learn: 0.3119879	total: 1.21s	remaining: 384ms
760:	learn: 0.3118065	total: 1.22s	remaining: 382ms
761:	learn: 0.3117539	total: 1.22s	remaining: 381ms
762:	learn: 0.3116527	total: 1.22s	remaining: 379ms
763:	learn: 0.3115576	total: 1.22s	remaining: 377ms
764:	learn: 0.3115185	total: 1.22s	remaining: 376ms
765:	learn: 0.3114608	total: 1.23s	remaining: 374ms
766:	learn: 0.3114116	total: 1.23s	remaining: 373ms
767:	learn: 0.3113607	total: 1.23s	remaining: 371ms
768:	learn: 0.3112774	total: 1.23s	remaining: 370ms
769:	learn: 0.3111504	total: 1.23s	remaining: 368ms
770:	learn: 0.3110643	total: 1.23s	remaining: 366ms
771:	learn: 0.3108640	total: 1.23s	remaining: 365ms
772:	learn: 0.3108267	total: 1.24s	remaining: 363ms
773:	learn: 0.3106745	total: 1.24s	remaining: 361ms
774:	learn: 0.3105481	total: 1.24s	remaining: 360ms
775:	learn: 0.3104359	total: 1.24s	remaining: 358ms
776:	learn: 0.3104190	total: 1.24s	remaining: 356ms
777:	learn: 0.3103711	total: 1.24s	remaining: 355ms
778:	learn: 0.3101522	total: 1.24s	remaining: 353ms
779:	learn: 0.3101331	total: 1.25s	remaining: 351ms
780:	learn: 0.3100875	total: 1.25s	remaining: 350ms
781:	learn: 0.3100207	total: 1.25s	remaining: 349ms
782:	learn: 0.3099607	total: 1.25s	remaining: 347ms
783:	learn: 0.3098655	total: 1.25s	remaining: 346ms
784:	learn: 0.3098252	total: 1.26s	remaining: 344ms
785:	learn: 0.3097502	total: 1.26s	remaining: 343ms
786:	learn: 0.3096322	total: 1.26s	remaining: 341ms
787:	learn: 0.3094497	total: 1.26s	remaining: 339ms
788:	learn: 0.3093101	total: 1.26s	remaining: 338ms
789:	learn: 0.3091887	total: 1.26s	remaining: 336ms
790:	learn: 0.3090009	total: 1.27s	remaining: 335ms
791:	learn: 0.3089598	total: 1.27s	remaining: 333ms
792:	learn: 0.3088798	total: 1.27s	remaining: 332ms
793:	learn: 0.3087815	total: 1.27s	remaining: 330ms
794:	learn: 0.3087125	total: 1.27s	remaining: 329ms
795:	learn: 0.3085976	total: 1.28s	remaining: 327ms
796:	learn: 0.3084824	total: 1.28s	remaining: 326ms
797:	learn: 0.3083932	total: 1.28s	remaining: 324ms
798:	learn: 0.3083246	total: 1.28s	remaining: 322ms
799:	learn: 0.3082774	total: 1.28s	remaining: 321ms
800:	learn: 0.3081927	total: 1.28s	remaining: 319ms
801:	learn: 0.3080882	total: 1.29s	remaining: 318ms
802:	learn: 0.3078429	total: 1.29s	remaining: 316ms
803:	learn: 0.3077908	total: 1.29s	remaining: 314ms
804:	learn: 0.3077189	total: 1.29s	remaining: 313ms
805:	learn: 0.3075703	total: 1.29s	remaining: 311ms
806:	learn: 0.3074550	total: 1.29s	remaining: 310ms
807:	learn: 0.3073561	total: 1.3s	remaining: 308ms
808:	learn: 0.3072912	total: 1.3s	remaining: 306ms
809:	learn: 0.3070241	total: 1.3s	remaining: 305ms
810:	learn: 0.3069338	total: 1.3s	remaining: 303ms
811:	learn: 0.3067988	total: 1.3s	remaining: 302ms
812:	learn: 0.3065905	total: 1.3s	remaining: 300ms
813:	learn: 0.3063932	total: 1.3s	remaining: 298ms
814:	learn: 0.3063013	total: 1.31s	remaining: 297ms
815:	learn: 0.3061865	total: 1.31s	remaining: 295ms
816:	learn: 0.3060336	total: 1.31s	remaining: 294ms
817:	learn: 0.3058007	total: 1.31s	remaining: 292ms
818:	learn: 0.3056300	total: 1.31s	remaining: 291ms
819:	learn: 0.3055183	total: 1.32s	remaining: 289ms
820:	learn: 0.3054128	total: 1.32s	remaining: 287ms
821:	learn: 0.3052959	total: 1.32s	remaining: 286ms
822:	learn: 0.3051552	total: 1.32s	remaining: 284ms
823:	learn: 0.3050227	total: 1.32s	remaining: 283ms
824:	learn: 0.3047650	total: 1.32s	remaining: 281ms
825:	learn: 0.3046548	total: 1.33s	remaining: 279ms
826:	learn: 0.3045741	total: 1.33s	remaining: 278ms
827:	learn: 0.3044105	total: 1.33s	remaining: 276ms
828:	learn: 0.3042720	total: 1.33s	remaining: 274ms
829:	learn: 0.3041899	total: 1.33s	remaining: 273ms
830:	learn: 0.3039934	total: 1.33s	remaining: 271ms
831:	learn: 0.3038754	total: 1.33s	remaining: 270ms
832:	learn: 0.3038440	total: 1.34s	remaining: 268ms
833:	learn: 0.3037903	total: 1.34s	remaining: 267ms
834:	learn: 0.3037473	total: 1.34s	remaining: 265ms
835:	learn: 0.3034984	total: 1.34s	remaining: 263ms
836:	learn: 0.3032751	total: 1.35s	remaining: 262ms
837:	learn: 0.3030758	total: 1.35s	remaining: 261ms
838:	learn: 0.3029958	total: 1.35s	remaining: 259ms
839:	learn: 0.3029739	total: 1.35s	remaining: 258ms
840:	learn: 0.3028560	total: 1.35s	remaining: 256ms
841:	learn: 0.3027153	total: 1.36s	remaining: 255ms
842:	learn: 0.3026453	total: 1.36s	remaining: 253ms
843:	learn: 0.3025015	total: 1.36s	remaining: 251ms
844:	learn: 0.3023484	total: 1.36s	remaining: 250ms
845:	learn: 0.3022939	total: 1.36s	remaining: 248ms
846:	learn: 0.3021236	total: 1.37s	remaining: 247ms
847:	learn: 0.3019524	total: 1.37s	remaining: 245ms
848:	learn: 0.3018402	total: 1.37s	remaining: 244ms
849:	learn: 0.3017370	total: 1.37s	remaining: 242ms
850:	learn: 0.3015868	total: 1.38s	remaining: 241ms
851:	learn: 0.3013701	total: 1.38s	remaining: 239ms
852:	learn: 0.3013258	total: 1.38s	remaining: 238ms
853:	learn: 0.3012563	total: 1.38s	remaining: 236ms
854:	learn: 0.3010529	total: 1.38s	remaining: 234ms
855:	learn: 0.3010051	total: 1.38s	remaining: 233ms
856:	learn: 0.3008890	total: 1.39s	remaining: 231ms
857:	learn: 0.3008483	total: 1.39s	remaining: 230ms
858:	learn: 0.3007844	total: 1.39s	remaining: 228ms
859:	learn: 0.3006602	total: 1.39s	remaining: 226ms
860:	learn: 0.3005718	total: 1.39s	remaining: 225ms
861:	learn: 0.3005219	total: 1.39s	remaining: 223ms
862:	learn: 0.3004329	total: 1.4s	remaining: 221ms
863:	learn: 0.3003559	total: 1.4s	remaining: 220ms
864:	learn: 0.3001592	total: 1.4s	remaining: 218ms
865:	learn: 0.2999801	total: 1.4s	remaining: 217ms
866:	learn: 0.2998704	total: 1.4s	remaining: 215ms
867:	learn: 0.2996464	total: 1.4s	remaining: 214ms
868:	learn: 0.2994913	total: 1.41s	remaining: 212ms
869:	learn: 0.2994520	total: 1.41s	remaining: 210ms
870:	learn: 0.2993243	total: 1.41s	remaining: 209ms
871:	learn: 0.2990616	total: 1.41s	remaining: 207ms
872:	learn: 0.2989432	total: 1.41s	remaining: 206ms
873:	learn: 0.2988237	total: 1.42s	remaining: 204ms
874:	learn: 0.2987411	total: 1.42s	remaining: 203ms
875:	learn: 0.2986353	total: 1.42s	remaining: 201ms
876:	learn: 0.2986016	total: 1.42s	remaining: 199ms
877:	learn: 0.2985261	total: 1.42s	remaining: 198ms
878:	learn: 0.2984933	total: 1.43s	remaining: 196ms
879:	learn: 0.2982706	total: 1.43s	remaining: 195ms
880:	learn: 0.2982054	total: 1.44s	remaining: 194ms
881:	learn: 0.2981800	total: 1.44s	remaining: 192ms
882:	learn: 0.2980432	total: 1.44s	remaining: 191ms
883:	learn: 0.2979234	total: 1.44s	remaining: 189ms
884:	learn: 0.2977725	total: 1.45s	remaining: 188ms
885:	learn: 0.2976101	total: 1.45s	remaining: 186ms
886:	learn: 0.2975008	total: 1.45s	remaining: 185ms
887:	learn: 0.2974071	total: 1.45s	remaining: 183ms
888:	learn: 0.2971836	total: 1.45s	remaining: 182ms
889:	learn: 0.2971120	total: 1.46s	remaining: 180ms
890:	learn: 0.2970463	total: 1.46s	remaining: 178ms
891:	learn: 0.2969911	total: 1.47s	remaining: 177ms
892:	learn: 0.2969233	total: 1.47s	remaining: 176ms
893:	learn: 0.2968461	total: 1.47s	remaining: 175ms
894:	learn: 0.2967693	total: 1.47s	remaining: 173ms
895:	learn: 0.2967488	total: 1.48s	remaining: 172ms
896:	learn: 0.2966949	total: 1.48s	remaining: 170ms
897:	learn: 0.2965729	total: 1.48s	remaining: 168ms
898:	learn: 0.2963859	total: 1.48s	remaining: 167ms
899:	learn: 0.2962101	total: 1.49s	remaining: 165ms
900:	learn: 0.2960450	total: 1.49s	remaining: 163ms
901:	learn: 0.2958847	total: 1.49s	remaining: 162ms
902:	learn: 0.2957328	total: 1.49s	remaining: 160ms
903:	learn: 0.2955944	total: 1.49s	remaining: 159ms
904:	learn: 0.2954794	total: 1.5s	remaining: 157ms
905:	learn: 0.2954135	total: 1.5s	remaining: 155ms
906:	learn: 0.2953295	total: 1.5s	remaining: 154ms
907:	learn: 0.2952524	total: 1.5s	remaining: 152ms
908:	learn: 0.2951761	total: 1.5s	remaining: 150ms
909:	learn: 0.2950953	total: 1.5s	remaining: 149ms
910:	learn: 0.2950088	total: 1.5s	remaining: 147ms
911:	learn: 0.2949356	total: 1.51s	remaining: 146ms
912:	learn: 0.2948414	total: 1.51s	remaining: 144ms
913:	learn: 0.2948075	total: 1.51s	remaining: 142ms
914:	learn: 0.2947313	total: 1.51s	remaining: 141ms
915:	learn: 0.2946884	total: 1.52s	remaining: 139ms
916:	learn: 0.2946202	total: 1.52s	remaining: 138ms
917:	learn: 0.2945472	total: 1.52s	remaining: 136ms
918:	learn: 0.2944472	total: 1.52s	remaining: 134ms
919:	learn: 0.2943843	total: 1.53s	remaining: 133ms
920:	learn: 0.2942975	total: 1.53s	remaining: 131ms
921:	learn: 0.2942359	total: 1.53s	remaining: 130ms
922:	learn: 0.2941814	total: 1.53s	remaining: 128ms
923:	learn: 0.2940696	total: 1.53s	remaining: 126ms
924:	learn: 0.2939733	total: 1.53s	remaining: 125ms
925:	learn: 0.2939345	total: 1.54s	remaining: 123ms
926:	learn: 0.2937861	total: 1.54s	remaining: 121ms
927:	learn: 0.2936961	total: 1.54s	remaining: 120ms
928:	learn: 0.2936360	total: 1.54s	remaining: 118ms
929:	learn: 0.2935900	total: 1.55s	remaining: 116ms
930:	learn: 0.2935105	total: 1.55s	remaining: 115ms
931:	learn: 0.2933967	total: 1.55s	remaining: 113ms
932:	learn: 0.2933282	total: 1.55s	remaining: 111ms
933:	learn: 0.2932028	total: 1.55s	remaining: 110ms
934:	learn: 0.2930712	total: 1.55s	remaining: 108ms
935:	learn: 0.2929937	total: 1.56s	remaining: 106ms
936:	learn: 0.2929241	total: 1.56s	remaining: 105ms
937:	learn: 0.2928770	total: 1.56s	remaining: 103ms
938:	learn: 0.2927836	total: 1.56s	remaining: 101ms
939:	learn: 0.2927347	total: 1.56s	remaining: 99.7ms
940:	learn: 0.2926288	total: 1.56s	remaining: 98ms
941:	learn: 0.2924868	total: 1.56s	remaining: 96.3ms
942:	learn: 0.2924515	total: 1.57s	remaining: 94.7ms
943:	learn: 0.2923798	total: 1.57s	remaining: 93.1ms
944:	learn: 0.2922451	total: 1.57s	remaining: 91.4ms
945:	learn: 0.2921760	total: 1.57s	remaining: 89.8ms
946:	learn: 0.2921145	total: 1.57s	remaining: 88.1ms
947:	learn: 0.2920611	total: 1.57s	remaining: 86.4ms
948:	learn: 0.2918803	total: 1.58s	remaining: 84.8ms
949:	learn: 0.2917292	total: 1.58s	remaining: 83.1ms
950:	learn: 0.2916504	total: 1.58s	remaining: 81.5ms
951:	learn: 0.2915321	total: 1.58s	remaining: 79.9ms
952:	learn: 0.2912550	total: 1.58s	remaining: 78.2ms
953:	learn: 0.2911744	total: 1.59s	remaining: 76.6ms
954:	learn: 0.2911045	total: 1.59s	remaining: 74.9ms
955:	learn: 0.2908918	total: 1.59s	remaining: 73.3ms
956:	learn: 0.2907989	total: 1.59s	remaining: 71.6ms
957:	learn: 0.2907326	total: 1.59s	remaining: 69.9ms
958:	learn: 0.2906733	total: 1.6s	remaining: 68.3ms
959:	learn: 0.2905895	total: 1.6s	remaining: 66.6ms
960:	learn: 0.2904119	total: 1.6s	remaining: 65ms
961:	learn: 0.2903096	total: 1.6s	remaining: 63.3ms
962:	learn: 0.2901985	total: 1.6s	remaining: 61.6ms
963:	learn: 0.2901301	total: 1.61s	remaining: 60ms
964:	learn: 0.2900126	total: 1.61s	remaining: 58.4ms
965:	learn: 0.2899104	total: 1.61s	remaining: 56.8ms
966:	learn: 0.2898391	total: 1.61s	remaining: 55.1ms
967:	learn: 0.2898340	total: 1.61s	remaining: 53.4ms
968:	learn: 0.2897642	total: 1.62s	remaining: 51.7ms
969:	learn: 0.2897209	total: 1.62s	remaining: 50.1ms
970:	learn: 0.2896765	total: 1.62s	remaining: 48.4ms
971:	learn: 0.2896066	total: 1.62s	remaining: 46.7ms
972:	learn: 0.2895831	total: 1.62s	remaining: 45.1ms
973:	learn: 0.2895145	total: 1.63s	remaining: 43.4ms
974:	learn: 0.2893553	total: 1.63s	remaining: 41.7ms
975:	learn: 0.2891521	total: 1.63s	remaining: 40.1ms
976:	learn: 0.2890310	total: 1.63s	remaining: 38.5ms
977:	learn: 0.2889559	total: 1.64s	remaining: 36.8ms
978:	learn: 0.2889107	total: 1.64s	remaining: 35.1ms
979:	learn: 0.2888706	total: 1.64s	remaining: 33.4ms
980:	learn: 0.2887320	total: 1.64s	remaining: 31.8ms
981:	learn: 0.2886445	total: 1.64s	remaining: 30.1ms
982:	learn: 0.2885879	total: 1.64s	remaining: 28.4ms
983:	learn: 0.2884960	total: 1.65s	remaining: 26.8ms
984:	learn: 0.2884451	total: 1.65s	remaining: 25.1ms
985:	learn: 0.2882826	total: 1.65s	remaining: 23.4ms
986:	learn: 0.2881422	total: 1.65s	remaining: 21.8ms
987:	learn: 0.2880453	total: 1.65s	remaining: 20.1ms
988:	learn: 0.2879409	total: 1.66s	remaining: 18.4ms
989:	learn: 0.2879200	total: 1.66s	remaining: 16.7ms
990:	learn: 0.2878518	total: 1.66s	remaining: 15.1ms
991:	learn: 0.2877646	total: 1.66s	remaining: 13.4ms
992:	learn: 0.2877189	total: 1.66s	remaining: 11.7ms
993:	learn: 0.2876368	total: 1.67s	remaining: 10.1ms
994:	learn: 0.2875541	total: 1.67s	remaining: 8.38ms
995:	learn: 0.2875010	total: 1.67s	remaining: 6.7ms
996:	learn: 0.2873875	total: 1.67s	remaining: 5.03ms
997:	learn: 0.2873415	total: 1.68s	remaining: 3.36ms
998:	learn: 0.2872583	total: 1.68s	remaining: 1.68ms
999:	learn: 0.2871858	total: 1.68s	remaining: 0us
Learning rate set to 0.009376
0:	learn: 0.6863846	total: 1.52ms	remaining: 1.52s
1:	learn: 0.6828461	total: 2.39ms	remaining: 1.19s
2:	learn: 0.6785656	total: 3.76ms	remaining: 1.25s
3:	learn: 0.6738271	total: 5.13ms	remaining: 1.28s
4:	learn: 0.6673597	total: 6.72ms	remaining: 1.34s
5:	learn: 0.6615987	total: 8.07ms	remaining: 1.34s
6:	learn: 0.6558006	total: 10.8ms	remaining: 1.53s
7:	learn: 0.6499328	total: 12.3ms	remaining: 1.53s
8:	learn: 0.6446133	total: 14.3ms	remaining: 1.57s
9:	learn: 0.6394966	total: 16.3ms	remaining: 1.62s
10:	learn: 0.6361806	total: 17.9ms	remaining: 1.61s
11:	learn: 0.6316201	total: 19.5ms	remaining: 1.61s
12:	learn: 0.6268850	total: 20.9ms	remaining: 1.59s
13:	learn: 0.6221803	total: 22.2ms	remaining: 1.57s
14:	learn: 0.6174166	total: 24ms	remaining: 1.57s
15:	learn: 0.6135923	total: 25.7ms	remaining: 1.58s
16:	learn: 0.6087086	total: 27.1ms	remaining: 1.57s
17:	learn: 0.6040934	total: 29ms	remaining: 1.58s
18:	learn: 0.6003858	total: 30.4ms	remaining: 1.57s
19:	learn: 0.5960078	total: 31.8ms	remaining: 1.56s
20:	learn: 0.5917568	total: 33.5ms	remaining: 1.56s
21:	learn: 0.5895572	total: 34.6ms	remaining: 1.54s
22:	learn: 0.5854647	total: 36.5ms	remaining: 1.55s
23:	learn: 0.5813575	total: 38.7ms	remaining: 1.57s
24:	learn: 0.5769566	total: 40.1ms	remaining: 1.56s
25:	learn: 0.5740874	total: 41.7ms	remaining: 1.56s
26:	learn: 0.5699505	total: 43.3ms	remaining: 1.56s
27:	learn: 0.5661941	total: 44.8ms	remaining: 1.55s
28:	learn: 0.5639133	total: 46.6ms	remaining: 1.56s
29:	learn: 0.5599821	total: 48.6ms	remaining: 1.57s
30:	learn: 0.5565921	total: 50.5ms	remaining: 1.58s
31:	learn: 0.5528176	total: 53.2ms	remaining: 1.61s
32:	learn: 0.5494683	total: 55.6ms	remaining: 1.63s
33:	learn: 0.5463367	total: 58.2ms	remaining: 1.65s
34:	learn: 0.5426637	total: 60.4ms	remaining: 1.66s
35:	learn: 0.5395146	total: 62.8ms	remaining: 1.68s
36:	learn: 0.5363034	total: 64.8ms	remaining: 1.69s
37:	learn: 0.5330497	total: 67.7ms	remaining: 1.71s
38:	learn: 0.5303347	total: 69.8ms	remaining: 1.72s
39:	learn: 0.5278021	total: 70.9ms	remaining: 1.7s
40:	learn: 0.5254604	total: 72.3ms	remaining: 1.69s
41:	learn: 0.5229134	total: 73.6ms	remaining: 1.68s
42:	learn: 0.5204401	total: 75.3ms	remaining: 1.68s
43:	learn: 0.5191403	total: 76ms	remaining: 1.65s
44:	learn: 0.5163637	total: 77.6ms	remaining: 1.65s
45:	learn: 0.5136080	total: 79.4ms	remaining: 1.65s
46:	learn: 0.5108462	total: 81.5ms	remaining: 1.65s
47:	learn: 0.5096642	total: 82.6ms	remaining: 1.64s
48:	learn: 0.5071638	total: 84ms	remaining: 1.63s
49:	learn: 0.5046790	total: 86ms	remaining: 1.63s
50:	learn: 0.5020670	total: 88.2ms	remaining: 1.64s
51:	learn: 0.4994401	total: 90ms	remaining: 1.64s
52:	learn: 0.4970046	total: 91.4ms	remaining: 1.63s
53:	learn: 0.4951030	total: 94ms	remaining: 1.65s
54:	learn: 0.4932620	total: 95.9ms	remaining: 1.65s
55:	learn: 0.4911686	total: 99.6ms	remaining: 1.68s
56:	learn: 0.4890195	total: 101ms	remaining: 1.68s
57:	learn: 0.4865130	total: 104ms	remaining: 1.69s
58:	learn: 0.4845859	total: 105ms	remaining: 1.68s
59:	learn: 0.4829635	total: 107ms	remaining: 1.68s
60:	learn: 0.4812593	total: 110ms	remaining: 1.69s
61:	learn: 0.4791293	total: 113ms	remaining: 1.71s
62:	learn: 0.4771737	total: 115ms	remaining: 1.71s
63:	learn: 0.4751171	total: 118ms	remaining: 1.73s
64:	learn: 0.4736772	total: 120ms	remaining: 1.73s
65:	learn: 0.4716730	total: 123ms	remaining: 1.74s
66:	learn: 0.4701667	total: 125ms	remaining: 1.74s
67:	learn: 0.4683325	total: 128ms	remaining: 1.76s
68:	learn: 0.4663032	total: 132ms	remaining: 1.78s
69:	learn: 0.4643970	total: 135ms	remaining: 1.79s
70:	learn: 0.4625573	total: 139ms	remaining: 1.82s
71:	learn: 0.4606265	total: 141ms	remaining: 1.82s
72:	learn: 0.4587092	total: 145ms	remaining: 1.84s
73:	learn: 0.4574497	total: 146ms	remaining: 1.83s
74:	learn: 0.4560736	total: 149ms	remaining: 1.83s
75:	learn: 0.4545287	total: 151ms	remaining: 1.84s
76:	learn: 0.4531618	total: 153ms	remaining: 1.83s
77:	learn: 0.4515012	total: 155ms	remaining: 1.83s
78:	learn: 0.4505569	total: 157ms	remaining: 1.82s
79:	learn: 0.4488735	total: 161ms	remaining: 1.85s
80:	learn: 0.4476441	total: 164ms	remaining: 1.86s
81:	learn: 0.4463928	total: 167ms	remaining: 1.87s
82:	learn: 0.4451608	total: 169ms	remaining: 1.86s
83:	learn: 0.4440456	total: 171ms	remaining: 1.86s
84:	learn: 0.4430819	total: 172ms	remaining: 1.85s
85:	learn: 0.4414940	total: 179ms	remaining: 1.9s
86:	learn: 0.4403990	total: 181ms	remaining: 1.9s
87:	learn: 0.4394783	total: 183ms	remaining: 1.89s
88:	learn: 0.4384061	total: 184ms	remaining: 1.89s
89:	learn: 0.4369584	total: 186ms	remaining: 1.88s
90:	learn: 0.4360689	total: 189ms	remaining: 1.89s
91:	learn: 0.4350361	total: 191ms	remaining: 1.89s
92:	learn: 0.4342172	total: 196ms	remaining: 1.91s
93:	learn: 0.4331249	total: 200ms	remaining: 1.93s
94:	learn: 0.4323795	total: 206ms	remaining: 1.96s
95:	learn: 0.4314921	total: 208ms	remaining: 1.96s
96:	learn: 0.4303960	total: 210ms	remaining: 1.95s
97:	learn: 0.4300274	total: 211ms	remaining: 1.95s
98:	learn: 0.4293574	total: 213ms	remaining: 1.94s
99:	learn: 0.4286415	total: 216ms	remaining: 1.94s
100:	learn: 0.4276149	total: 218ms	remaining: 1.94s
101:	learn: 0.4267512	total: 220ms	remaining: 1.93s
102:	learn: 0.4258551	total: 221ms	remaining: 1.93s
103:	learn: 0.4250638	total: 223ms	remaining: 1.92s
104:	learn: 0.4242015	total: 225ms	remaining: 1.92s
105:	learn: 0.4233017	total: 227ms	remaining: 1.92s
106:	learn: 0.4224163	total: 229ms	remaining: 1.91s
107:	learn: 0.4214594	total: 231ms	remaining: 1.91s
108:	learn: 0.4206729	total: 232ms	remaining: 1.89s
109:	learn: 0.4197603	total: 233ms	remaining: 1.89s
110:	learn: 0.4187970	total: 234ms	remaining: 1.88s
111:	learn: 0.4182438	total: 236ms	remaining: 1.87s
112:	learn: 0.4173537	total: 237ms	remaining: 1.86s
113:	learn: 0.4163899	total: 238ms	remaining: 1.85s
114:	learn: 0.4156666	total: 240ms	remaining: 1.85s
115:	learn: 0.4149208	total: 243ms	remaining: 1.85s
116:	learn: 0.4140050	total: 244ms	remaining: 1.84s
117:	learn: 0.4135220	total: 246ms	remaining: 1.84s
118:	learn: 0.4128048	total: 247ms	remaining: 1.83s
119:	learn: 0.4120957	total: 249ms	remaining: 1.83s
120:	learn: 0.4119626	total: 250ms	remaining: 1.82s
121:	learn: 0.4113937	total: 252ms	remaining: 1.81s
122:	learn: 0.4105380	total: 253ms	remaining: 1.8s
123:	learn: 0.4102363	total: 254ms	remaining: 1.8s
124:	learn: 0.4100296	total: 255ms	remaining: 1.78s
125:	learn: 0.4095359	total: 256ms	remaining: 1.78s
126:	learn: 0.4087203	total: 257ms	remaining: 1.77s
127:	learn: 0.4082867	total: 259ms	remaining: 1.76s
128:	learn: 0.4079931	total: 260ms	remaining: 1.76s
129:	learn: 0.4072937	total: 262ms	remaining: 1.75s
130:	learn: 0.4064859	total: 263ms	remaining: 1.75s
131:	learn: 0.4058645	total: 265ms	remaining: 1.74s
132:	learn: 0.4052609	total: 267ms	remaining: 1.74s
133:	learn: 0.4046920	total: 268ms	remaining: 1.73s
134:	learn: 0.4040456	total: 270ms	remaining: 1.73s
135:	learn: 0.4037046	total: 271ms	remaining: 1.72s
136:	learn: 0.4033211	total: 274ms	remaining: 1.73s
137:	learn: 0.4025765	total: 276ms	remaining: 1.73s
138:	learn: 0.4021219	total: 278ms	remaining: 1.72s
139:	learn: 0.4015948	total: 279ms	remaining: 1.71s
140:	learn: 0.4012847	total: 281ms	remaining: 1.71s
141:	learn: 0.4007420	total: 282ms	remaining: 1.71s
142:	learn: 0.4003508	total: 284ms	remaining: 1.7s
143:	learn: 0.3997628	total: 286ms	remaining: 1.7s
144:	learn: 0.3991634	total: 288ms	remaining: 1.7s
145:	learn: 0.3984172	total: 290ms	remaining: 1.7s
146:	learn: 0.3977468	total: 291ms	remaining: 1.69s
147:	learn: 0.3973055	total: 293ms	remaining: 1.69s
148:	learn: 0.3969206	total: 294ms	remaining: 1.68s
149:	learn: 0.3965601	total: 296ms	remaining: 1.68s
150:	learn: 0.3959588	total: 297ms	remaining: 1.67s
151:	learn: 0.3957052	total: 298ms	remaining: 1.66s
152:	learn: 0.3952730	total: 299ms	remaining: 1.66s
153:	learn: 0.3945927	total: 300ms	remaining: 1.65s
154:	learn: 0.3941823	total: 302ms	remaining: 1.65s
155:	learn: 0.3935390	total: 304ms	remaining: 1.64s
156:	learn: 0.3931319	total: 305ms	remaining: 1.64s
157:	learn: 0.3927103	total: 307ms	remaining: 1.64s
158:	learn: 0.3923945	total: 309ms	remaining: 1.63s
159:	learn: 0.3918895	total: 310ms	remaining: 1.63s
160:	learn: 0.3915955	total: 312ms	remaining: 1.62s
161:	learn: 0.3914177	total: 312ms	remaining: 1.61s
162:	learn: 0.3908409	total: 314ms	remaining: 1.61s
163:	learn: 0.3903865	total: 315ms	remaining: 1.6s
164:	learn: 0.3896620	total: 316ms	remaining: 1.6s
165:	learn: 0.3891090	total: 318ms	remaining: 1.6s
166:	learn: 0.3886846	total: 319ms	remaining: 1.59s
167:	learn: 0.3884974	total: 320ms	remaining: 1.59s
168:	learn: 0.3881731	total: 322ms	remaining: 1.58s
169:	learn: 0.3880911	total: 323ms	remaining: 1.58s
170:	learn: 0.3876291	total: 324ms	remaining: 1.57s
171:	learn: 0.3871897	total: 326ms	remaining: 1.57s
172:	learn: 0.3868802	total: 328ms	remaining: 1.57s
173:	learn: 0.3867839	total: 329ms	remaining: 1.56s
174:	learn: 0.3863581	total: 331ms	remaining: 1.56s
175:	learn: 0.3860178	total: 332ms	remaining: 1.55s
176:	learn: 0.3858008	total: 333ms	remaining: 1.55s
177:	learn: 0.3854511	total: 335ms	remaining: 1.54s
178:	learn: 0.3851571	total: 336ms	remaining: 1.54s
179:	learn: 0.3847453	total: 337ms	remaining: 1.53s
180:	learn: 0.3842593	total: 338ms	remaining: 1.53s
181:	learn: 0.3838828	total: 339ms	remaining: 1.52s
182:	learn: 0.3834501	total: 340ms	remaining: 1.52s
183:	learn: 0.3832375	total: 341ms	remaining: 1.51s
184:	learn: 0.3829076	total: 343ms	remaining: 1.51s
185:	learn: 0.3825343	total: 344ms	remaining: 1.5s
186:	learn: 0.3822131	total: 345ms	remaining: 1.5s
187:	learn: 0.3817425	total: 346ms	remaining: 1.5s
188:	learn: 0.3815099	total: 347ms	remaining: 1.49s
189:	learn: 0.3811408	total: 349ms	remaining: 1.49s
190:	learn: 0.3806911	total: 350ms	remaining: 1.48s
191:	learn: 0.3802553	total: 352ms	remaining: 1.48s
192:	learn: 0.3799202	total: 353ms	remaining: 1.48s
193:	learn: 0.3794444	total: 354ms	remaining: 1.47s
194:	learn: 0.3792336	total: 355ms	remaining: 1.47s
195:	learn: 0.3788714	total: 357ms	remaining: 1.46s
196:	learn: 0.3785905	total: 358ms	remaining: 1.46s
197:	learn: 0.3784269	total: 358ms	remaining: 1.45s
198:	learn: 0.3781372	total: 360ms	remaining: 1.45s
199:	learn: 0.3778529	total: 361ms	remaining: 1.44s
200:	learn: 0.3776693	total: 362ms	remaining: 1.44s
201:	learn: 0.3773131	total: 363ms	remaining: 1.43s
202:	learn: 0.3770443	total: 364ms	remaining: 1.43s
203:	learn: 0.3765878	total: 366ms	remaining: 1.43s
204:	learn: 0.3764694	total: 367ms	remaining: 1.42s
205:	learn: 0.3761124	total: 368ms	remaining: 1.42s
206:	learn: 0.3756817	total: 369ms	remaining: 1.41s
207:	learn: 0.3755571	total: 371ms	remaining: 1.41s
208:	learn: 0.3753337	total: 372ms	remaining: 1.41s
209:	learn: 0.3750645	total: 373ms	remaining: 1.4s
210:	learn: 0.3749541	total: 374ms	remaining: 1.4s
211:	learn: 0.3747360	total: 376ms	remaining: 1.4s
212:	learn: 0.3743760	total: 378ms	remaining: 1.4s
213:	learn: 0.3741446	total: 380ms	remaining: 1.39s
214:	learn: 0.3740263	total: 381ms	remaining: 1.39s
215:	learn: 0.3737502	total: 384ms	remaining: 1.39s
216:	learn: 0.3735957	total: 386ms	remaining: 1.39s
217:	learn: 0.3734228	total: 388ms	remaining: 1.39s
218:	learn: 0.3731446	total: 390ms	remaining: 1.39s
219:	learn: 0.3728735	total: 392ms	remaining: 1.39s
220:	learn: 0.3725326	total: 393ms	remaining: 1.39s
221:	learn: 0.3722814	total: 394ms	remaining: 1.38s
222:	learn: 0.3718962	total: 396ms	remaining: 1.38s
223:	learn: 0.3716794	total: 398ms	remaining: 1.38s
224:	learn: 0.3714581	total: 399ms	remaining: 1.37s
225:	learn: 0.3711691	total: 401ms	remaining: 1.37s
226:	learn: 0.3709826	total: 402ms	remaining: 1.37s
227:	learn: 0.3707051	total: 404ms	remaining: 1.37s
228:	learn: 0.3703966	total: 405ms	remaining: 1.36s
229:	learn: 0.3701807	total: 407ms	remaining: 1.36s
230:	learn: 0.3700276	total: 408ms	remaining: 1.36s
231:	learn: 0.3697845	total: 410ms	remaining: 1.36s
232:	learn: 0.3695055	total: 411ms	remaining: 1.35s
233:	learn: 0.3692557	total: 413ms	remaining: 1.35s
234:	learn: 0.3689322	total: 414ms	remaining: 1.35s
235:	learn: 0.3687009	total: 415ms	remaining: 1.34s
236:	learn: 0.3684057	total: 416ms	remaining: 1.34s
237:	learn: 0.3682305	total: 417ms	remaining: 1.34s
238:	learn: 0.3679897	total: 419ms	remaining: 1.33s
239:	learn: 0.3675998	total: 420ms	remaining: 1.33s
240:	learn: 0.3672045	total: 421ms	remaining: 1.33s
241:	learn: 0.3670243	total: 422ms	remaining: 1.32s
242:	learn: 0.3669029	total: 424ms	remaining: 1.32s
243:	learn: 0.3666563	total: 425ms	remaining: 1.32s
244:	learn: 0.3664208	total: 427ms	remaining: 1.31s
245:	learn: 0.3662161	total: 428ms	remaining: 1.31s
246:	learn: 0.3658429	total: 429ms	remaining: 1.31s
247:	learn: 0.3656162	total: 430ms	remaining: 1.3s
248:	learn: 0.3652889	total: 431ms	remaining: 1.3s
249:	learn: 0.3650341	total: 432ms	remaining: 1.29s
250:	learn: 0.3648954	total: 433ms	remaining: 1.29s
251:	learn: 0.3646017	total: 434ms	remaining: 1.29s
252:	learn: 0.3642780	total: 435ms	remaining: 1.28s
253:	learn: 0.3640875	total: 437ms	remaining: 1.28s
254:	learn: 0.3638835	total: 438ms	remaining: 1.28s
255:	learn: 0.3637248	total: 439ms	remaining: 1.27s
256:	learn: 0.3635607	total: 440ms	remaining: 1.27s
257:	learn: 0.3632496	total: 441ms	remaining: 1.27s
258:	learn: 0.3630843	total: 442ms	remaining: 1.26s
259:	learn: 0.3628491	total: 444ms	remaining: 1.26s
260:	learn: 0.3627004	total: 445ms	remaining: 1.26s
261:	learn: 0.3623932	total: 447ms	remaining: 1.26s
262:	learn: 0.3622038	total: 448ms	remaining: 1.25s
263:	learn: 0.3620700	total: 449ms	remaining: 1.25s
264:	learn: 0.3617894	total: 450ms	remaining: 1.25s
265:	learn: 0.3615558	total: 451ms	remaining: 1.25s
266:	learn: 0.3613812	total: 453ms	remaining: 1.24s
267:	learn: 0.3610852	total: 454ms	remaining: 1.24s
268:	learn: 0.3607640	total: 455ms	remaining: 1.24s
269:	learn: 0.3605423	total: 457ms	remaining: 1.23s
270:	learn: 0.3602994	total: 458ms	remaining: 1.23s
271:	learn: 0.3600973	total: 459ms	remaining: 1.23s
272:	learn: 0.3598614	total: 460ms	remaining: 1.23s
273:	learn: 0.3595515	total: 462ms	remaining: 1.22s
274:	learn: 0.3591248	total: 463ms	remaining: 1.22s
275:	learn: 0.3588949	total: 465ms	remaining: 1.22s
276:	learn: 0.3587014	total: 466ms	remaining: 1.22s
277:	learn: 0.3585765	total: 467ms	remaining: 1.21s
278:	learn: 0.3584427	total: 468ms	remaining: 1.21s
279:	learn: 0.3583216	total: 469ms	remaining: 1.21s
280:	learn: 0.3581143	total: 470ms	remaining: 1.2s
281:	learn: 0.3579955	total: 472ms	remaining: 1.2s
282:	learn: 0.3578405	total: 473ms	remaining: 1.2s
283:	learn: 0.3575608	total: 474ms	remaining: 1.2s
284:	learn: 0.3574529	total: 476ms	remaining: 1.19s
285:	learn: 0.3574113	total: 478ms	remaining: 1.19s
286:	learn: 0.3572600	total: 479ms	remaining: 1.19s
287:	learn: 0.3570955	total: 480ms	remaining: 1.19s
288:	learn: 0.3570081	total: 482ms	remaining: 1.19s
289:	learn: 0.3568492	total: 483ms	remaining: 1.18s
290:	learn: 0.3566242	total: 485ms	remaining: 1.18s
291:	learn: 0.3564437	total: 486ms	remaining: 1.18s
292:	learn: 0.3562291	total: 487ms	remaining: 1.18s
293:	learn: 0.3561600	total: 489ms	remaining: 1.17s
294:	learn: 0.3559142	total: 490ms	remaining: 1.17s
295:	learn: 0.3557591	total: 491ms	remaining: 1.17s
296:	learn: 0.3556485	total: 493ms	remaining: 1.17s
297:	learn: 0.3555017	total: 494ms	remaining: 1.16s
298:	learn: 0.3553308	total: 496ms	remaining: 1.16s
299:	learn: 0.3552162	total: 497ms	remaining: 1.16s
300:	learn: 0.3548900	total: 498ms	remaining: 1.16s
301:	learn: 0.3547379	total: 499ms	remaining: 1.15s
302:	learn: 0.3544846	total: 500ms	remaining: 1.15s
303:	learn: 0.3542060	total: 501ms	remaining: 1.15s
304:	learn: 0.3540194	total: 502ms	remaining: 1.14s
305:	learn: 0.3538581	total: 504ms	remaining: 1.14s
306:	learn: 0.3537515	total: 505ms	remaining: 1.14s
307:	learn: 0.3536982	total: 507ms	remaining: 1.14s
308:	learn: 0.3535546	total: 508ms	remaining: 1.14s
309:	learn: 0.3533762	total: 510ms	remaining: 1.13s
310:	learn: 0.3533431	total: 510ms	remaining: 1.13s
311:	learn: 0.3531484	total: 512ms	remaining: 1.13s
312:	learn: 0.3529886	total: 513ms	remaining: 1.13s
313:	learn: 0.3528050	total: 514ms	remaining: 1.12s
314:	learn: 0.3526054	total: 515ms	remaining: 1.12s
315:	learn: 0.3524019	total: 517ms	remaining: 1.12s
316:	learn: 0.3521393	total: 518ms	remaining: 1.11s
317:	learn: 0.3519732	total: 519ms	remaining: 1.11s
318:	learn: 0.3517303	total: 520ms	remaining: 1.11s
319:	learn: 0.3515639	total: 521ms	remaining: 1.11s
320:	learn: 0.3512889	total: 522ms	remaining: 1.1s
321:	learn: 0.3511312	total: 523ms	remaining: 1.1s
322:	learn: 0.3509578	total: 525ms	remaining: 1.1s
323:	learn: 0.3507527	total: 526ms	remaining: 1.1s
324:	learn: 0.3506157	total: 527ms	remaining: 1.09s
325:	learn: 0.3505015	total: 528ms	remaining: 1.09s
326:	learn: 0.3504818	total: 528ms	remaining: 1.09s
327:	learn: 0.3503647	total: 529ms	remaining: 1.08s
328:	learn: 0.3503396	total: 530ms	remaining: 1.08s
329:	learn: 0.3502359	total: 532ms	remaining: 1.08s
330:	learn: 0.3499521	total: 533ms	remaining: 1.08s
331:	learn: 0.3498077	total: 534ms	remaining: 1.07s
332:	learn: 0.3497827	total: 535ms	remaining: 1.07s
333:	learn: 0.3496325	total: 536ms	remaining: 1.07s
334:	learn: 0.3494746	total: 538ms	remaining: 1.07s
335:	learn: 0.3493628	total: 539ms	remaining: 1.06s
336:	learn: 0.3492246	total: 540ms	remaining: 1.06s
337:	learn: 0.3491313	total: 541ms	remaining: 1.06s
338:	learn: 0.3489916	total: 542ms	remaining: 1.06s
339:	learn: 0.3489012	total: 543ms	remaining: 1.05s
340:	learn: 0.3487211	total: 544ms	remaining: 1.05s
341:	learn: 0.3486963	total: 545ms	remaining: 1.05s
342:	learn: 0.3486906	total: 546ms	remaining: 1.04s
343:	learn: 0.3486198	total: 547ms	remaining: 1.04s
344:	learn: 0.3485483	total: 548ms	remaining: 1.04s
345:	learn: 0.3483590	total: 549ms	remaining: 1.04s
346:	learn: 0.3482274	total: 550ms	remaining: 1.03s
347:	learn: 0.3480383	total: 551ms	remaining: 1.03s
348:	learn: 0.3477481	total: 553ms	remaining: 1.03s
349:	learn: 0.3475478	total: 554ms	remaining: 1.03s
350:	learn: 0.3472527	total: 555ms	remaining: 1.02s
351:	learn: 0.3471196	total: 556ms	remaining: 1.02s
352:	learn: 0.3470559	total: 557ms	remaining: 1.02s
353:	learn: 0.3468957	total: 559ms	remaining: 1.02s
354:	learn: 0.3466782	total: 561ms	remaining: 1.02s
355:	learn: 0.3465597	total: 562ms	remaining: 1.02s
356:	learn: 0.3463354	total: 565ms	remaining: 1.02s
357:	learn: 0.3462098	total: 566ms	remaining: 1.01s
358:	learn: 0.3460287	total: 568ms	remaining: 1.01s
359:	learn: 0.3459769	total: 569ms	remaining: 1.01s
360:	learn: 0.3459034	total: 570ms	remaining: 1.01s
361:	learn: 0.3457972	total: 571ms	remaining: 1.01s
362:	learn: 0.3457306	total: 572ms	remaining: 1s
363:	learn: 0.3454929	total: 573ms	remaining: 1s
364:	learn: 0.3453022	total: 575ms	remaining: 1000ms
365:	learn: 0.3450766	total: 576ms	remaining: 997ms
366:	learn: 0.3449881	total: 577ms	remaining: 995ms
367:	learn: 0.3449302	total: 578ms	remaining: 993ms
368:	learn: 0.3448840	total: 580ms	remaining: 991ms
369:	learn: 0.3447551	total: 581ms	remaining: 989ms
370:	learn: 0.3446670	total: 583ms	remaining: 988ms
371:	learn: 0.3445026	total: 584ms	remaining: 986ms
372:	learn: 0.3442904	total: 585ms	remaining: 984ms
373:	learn: 0.3442628	total: 587ms	remaining: 982ms
374:	learn: 0.3442020	total: 588ms	remaining: 981ms
375:	learn: 0.3440265	total: 590ms	remaining: 978ms
376:	learn: 0.3439595	total: 591ms	remaining: 977ms
377:	learn: 0.3438163	total: 592ms	remaining: 974ms
378:	learn: 0.3436305	total: 594ms	remaining: 973ms
379:	learn: 0.3434105	total: 595ms	remaining: 970ms
380:	learn: 0.3432851	total: 596ms	remaining: 968ms
381:	learn: 0.3432579	total: 597ms	remaining: 966ms
382:	learn: 0.3431960	total: 598ms	remaining: 963ms
383:	learn: 0.3429891	total: 600ms	remaining: 962ms
384:	learn: 0.3428191	total: 601ms	remaining: 961ms
385:	learn: 0.3427661	total: 603ms	remaining: 959ms
386:	learn: 0.3426183	total: 604ms	remaining: 957ms
387:	learn: 0.3424969	total: 606ms	remaining: 957ms
388:	learn: 0.3422953	total: 608ms	remaining: 955ms
389:	learn: 0.3420787	total: 609ms	remaining: 953ms
390:	learn: 0.3419967	total: 611ms	remaining: 952ms
391:	learn: 0.3419765	total: 612ms	remaining: 950ms
392:	learn: 0.3419201	total: 614ms	remaining: 948ms
393:	learn: 0.3418554	total: 615ms	remaining: 946ms
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394:	learn: 0.3417984	total: 617ms	remaining: 945ms
395:	learn: 0.3417962	total: 618ms	remaining: 943ms
396:	learn: 0.3416791	total: 619ms	remaining: 941ms
397:	learn: 0.3415480	total: 621ms	remaining: 940ms
398:	learn: 0.3414649	total: 623ms	remaining: 938ms
399:	learn: 0.3414111	total: 624ms	remaining: 936ms
400:	learn: 0.3412362	total: 626ms	remaining: 935ms
401:	learn: 0.3411123	total: 627ms	remaining: 933ms
402:	learn: 0.3410062	total: 629ms	remaining: 932ms
403:	learn: 0.3408755	total: 630ms	remaining: 930ms
404:	learn: 0.3406585	total: 632ms	remaining: 928ms
405:	learn: 0.3405226	total: 633ms	remaining: 927ms
406:	learn: 0.3404659	total: 635ms	remaining: 925ms
407:	learn: 0.3403840	total: 636ms	remaining: 923ms
408:	learn: 0.3401996	total: 638ms	remaining: 921ms
409:	learn: 0.3399005	total: 639ms	remaining: 919ms
410:	learn: 0.3395436	total: 641ms	remaining: 918ms
411:	learn: 0.3394271	total: 642ms	remaining: 917ms
412:	learn: 0.3393812	total: 644ms	remaining: 915ms
413:	learn: 0.3391893	total: 645ms	remaining: 913ms
414:	learn: 0.3391850	total: 646ms	remaining: 910ms
415:	learn: 0.3390844	total: 647ms	remaining: 909ms
416:	learn: 0.3389421	total: 649ms	remaining: 907ms
417:	learn: 0.3388832	total: 650ms	remaining: 905ms
418:	learn: 0.3386800	total: 651ms	remaining: 903ms
419:	learn: 0.3385918	total: 652ms	remaining: 901ms
420:	learn: 0.3384610	total: 653ms	remaining: 898ms
421:	learn: 0.3383244	total: 654ms	remaining: 896ms
422:	learn: 0.3383128	total: 655ms	remaining: 893ms
423:	learn: 0.3380150	total: 656ms	remaining: 891ms
424:	learn: 0.3379133	total: 657ms	remaining: 889ms
425:	learn: 0.3377716	total: 658ms	remaining: 887ms
426:	learn: 0.3375782	total: 659ms	remaining: 885ms
427:	learn: 0.3373644	total: 660ms	remaining: 882ms
428:	learn: 0.3372198	total: 662ms	remaining: 881ms
429:	learn: 0.3371177	total: 663ms	remaining: 879ms
430:	learn: 0.3370600	total: 664ms	remaining: 877ms
431:	learn: 0.3370433	total: 666ms	remaining: 875ms
432:	learn: 0.3370360	total: 668ms	remaining: 874ms
433:	learn: 0.3368500	total: 671ms	remaining: 875ms
434:	learn: 0.3366859	total: 674ms	remaining: 875ms
435:	learn: 0.3365840	total: 677ms	remaining: 875ms
436:	learn: 0.3363649	total: 681ms	remaining: 877ms
437:	learn: 0.3362217	total: 684ms	remaining: 877ms
438:	learn: 0.3360912	total: 687ms	remaining: 878ms
439:	learn: 0.3359419	total: 688ms	remaining: 876ms
440:	learn: 0.3357564	total: 690ms	remaining: 874ms
441:	learn: 0.3356008	total: 691ms	remaining: 872ms
442:	learn: 0.3355621	total: 692ms	remaining: 870ms
443:	learn: 0.3354767	total: 694ms	remaining: 869ms
444:	learn: 0.3354062	total: 695ms	remaining: 867ms
445:	learn: 0.3352359	total: 696ms	remaining: 865ms
446:	learn: 0.3351754	total: 697ms	remaining: 863ms
447:	learn: 0.3351240	total: 699ms	remaining: 861ms
448:	learn: 0.3350025	total: 700ms	remaining: 858ms
449:	learn: 0.3349147	total: 701ms	remaining: 856ms
450:	learn: 0.3347728	total: 702ms	remaining: 854ms
451:	learn: 0.3346981	total: 703ms	remaining: 852ms
452:	learn: 0.3345507	total: 704ms	remaining: 850ms
453:	learn: 0.3344438	total: 705ms	remaining: 848ms
454:	learn: 0.3343100	total: 706ms	remaining: 846ms
455:	learn: 0.3342591	total: 707ms	remaining: 844ms
456:	learn: 0.3342211	total: 709ms	remaining: 842ms
457:	learn: 0.3341494	total: 710ms	remaining: 841ms
458:	learn: 0.3341257	total: 712ms	remaining: 839ms
459:	learn: 0.3339193	total: 714ms	remaining: 838ms
460:	learn: 0.3338502	total: 716ms	remaining: 837ms
461:	learn: 0.3337770	total: 718ms	remaining: 836ms
462:	learn: 0.3336443	total: 720ms	remaining: 835ms
463:	learn: 0.3334241	total: 721ms	remaining: 833ms
464:	learn: 0.3333432	total: 723ms	remaining: 831ms
465:	learn: 0.3330680	total: 724ms	remaining: 830ms
466:	learn: 0.3328910	total: 726ms	remaining: 828ms
467:	learn: 0.3328373	total: 727ms	remaining: 826ms
468:	learn: 0.3326200	total: 728ms	remaining: 825ms
469:	learn: 0.3325616	total: 730ms	remaining: 824ms
470:	learn: 0.3325153	total: 732ms	remaining: 822ms
471:	learn: 0.3324154	total: 734ms	remaining: 821ms
472:	learn: 0.3323584	total: 736ms	remaining: 820ms
473:	learn: 0.3322985	total: 738ms	remaining: 819ms
474:	learn: 0.3322521	total: 740ms	remaining: 818ms
475:	learn: 0.3321042	total: 742ms	remaining: 817ms
476:	learn: 0.3320971	total: 743ms	remaining: 815ms
477:	learn: 0.3319563	total: 745ms	remaining: 813ms
478:	learn: 0.3317906	total: 746ms	remaining: 811ms
479:	learn: 0.3317255	total: 748ms	remaining: 810ms
480:	learn: 0.3316960	total: 749ms	remaining: 808ms
481:	learn: 0.3315768	total: 750ms	remaining: 806ms
482:	learn: 0.3313909	total: 752ms	remaining: 804ms
483:	learn: 0.3312458	total: 753ms	remaining: 803ms
484:	learn: 0.3310589	total: 754ms	remaining: 801ms
485:	learn: 0.3309647	total: 756ms	remaining: 799ms
486:	learn: 0.3308420	total: 757ms	remaining: 797ms
487:	learn: 0.3308296	total: 758ms	remaining: 795ms
488:	learn: 0.3305480	total: 759ms	remaining: 793ms
489:	learn: 0.3303541	total: 761ms	remaining: 792ms
490:	learn: 0.3302809	total: 762ms	remaining: 790ms
491:	learn: 0.3301944	total: 763ms	remaining: 788ms
492:	learn: 0.3301210	total: 764ms	remaining: 786ms
493:	learn: 0.3300695	total: 765ms	remaining: 784ms
494:	learn: 0.3299149	total: 766ms	remaining: 782ms
495:	learn: 0.3297963	total: 767ms	remaining: 780ms
496:	learn: 0.3296869	total: 768ms	remaining: 778ms
497:	learn: 0.3295401	total: 770ms	remaining: 776ms
498:	learn: 0.3294406	total: 771ms	remaining: 774ms
499:	learn: 0.3293439	total: 772ms	remaining: 772ms
500:	learn: 0.3292004	total: 773ms	remaining: 770ms
501:	learn: 0.3291869	total: 774ms	remaining: 768ms
502:	learn: 0.3291732	total: 775ms	remaining: 765ms
503:	learn: 0.3291690	total: 775ms	remaining: 763ms
504:	learn: 0.3290217	total: 776ms	remaining: 761ms
505:	learn: 0.3290072	total: 777ms	remaining: 758ms
506:	learn: 0.3288640	total: 778ms	remaining: 756ms
507:	learn: 0.3287641	total: 779ms	remaining: 755ms
508:	learn: 0.3286322	total: 780ms	remaining: 753ms
509:	learn: 0.3285741	total: 781ms	remaining: 751ms
510:	learn: 0.3284859	total: 783ms	remaining: 749ms
511:	learn: 0.3283253	total: 784ms	remaining: 747ms
512:	learn: 0.3282228	total: 785ms	remaining: 745ms
513:	learn: 0.3281574	total: 786ms	remaining: 744ms
514:	learn: 0.3279459	total: 787ms	remaining: 742ms
515:	learn: 0.3278622	total: 789ms	remaining: 740ms
516:	learn: 0.3277658	total: 790ms	remaining: 738ms
517:	learn: 0.3277002	total: 791ms	remaining: 736ms
518:	learn: 0.3276428	total: 793ms	remaining: 735ms
519:	learn: 0.3276171	total: 794ms	remaining: 733ms
520:	learn: 0.3273427	total: 795ms	remaining: 731ms
521:	learn: 0.3273078	total: 796ms	remaining: 729ms
522:	learn: 0.3271384	total: 798ms	remaining: 727ms
523:	learn: 0.3271190	total: 799ms	remaining: 726ms
524:	learn: 0.3270715	total: 801ms	remaining: 724ms
525:	learn: 0.3269809	total: 802ms	remaining: 723ms
526:	learn: 0.3268756	total: 803ms	remaining: 721ms
527:	learn: 0.3264953	total: 805ms	remaining: 719ms
528:	learn: 0.3263018	total: 806ms	remaining: 718ms
529:	learn: 0.3261935	total: 807ms	remaining: 716ms
530:	learn: 0.3260128	total: 809ms	remaining: 715ms
531:	learn: 0.3258940	total: 810ms	remaining: 713ms
532:	learn: 0.3258003	total: 812ms	remaining: 711ms
533:	learn: 0.3257557	total: 813ms	remaining: 710ms
534:	learn: 0.3256920	total: 815ms	remaining: 708ms
535:	learn: 0.3254907	total: 816ms	remaining: 706ms
536:	learn: 0.3254726	total: 817ms	remaining: 704ms
537:	learn: 0.3253548	total: 818ms	remaining: 703ms
538:	learn: 0.3252087	total: 820ms	remaining: 701ms
539:	learn: 0.3249806	total: 821ms	remaining: 699ms
540:	learn: 0.3248981	total: 822ms	remaining: 697ms
541:	learn: 0.3247953	total: 823ms	remaining: 696ms
542:	learn: 0.3245870	total: 824ms	remaining: 694ms
543:	learn: 0.3244662	total: 826ms	remaining: 692ms
544:	learn: 0.3244270	total: 827ms	remaining: 690ms
545:	learn: 0.3243441	total: 828ms	remaining: 688ms
546:	learn: 0.3242503	total: 829ms	remaining: 687ms
547:	learn: 0.3242185	total: 830ms	remaining: 685ms
548:	learn: 0.3241201	total: 831ms	remaining: 683ms
549:	learn: 0.3240118	total: 832ms	remaining: 681ms
550:	learn: 0.3238059	total: 833ms	remaining: 679ms
551:	learn: 0.3237029	total: 835ms	remaining: 677ms
552:	learn: 0.3236313	total: 836ms	remaining: 675ms
553:	learn: 0.3235469	total: 837ms	remaining: 674ms
554:	learn: 0.3234786	total: 838ms	remaining: 672ms
555:	learn: 0.3233862	total: 839ms	remaining: 670ms
556:	learn: 0.3233034	total: 840ms	remaining: 668ms
557:	learn: 0.3232809	total: 841ms	remaining: 666ms
558:	learn: 0.3231560	total: 842ms	remaining: 664ms
559:	learn: 0.3231029	total: 843ms	remaining: 662ms
560:	learn: 0.3230222	total: 844ms	remaining: 661ms
561:	learn: 0.3228860	total: 846ms	remaining: 659ms
562:	learn: 0.3228408	total: 847ms	remaining: 658ms
563:	learn: 0.3226232	total: 849ms	remaining: 656ms
564:	learn: 0.3225858	total: 850ms	remaining: 654ms
565:	learn: 0.3223862	total: 851ms	remaining: 653ms
566:	learn: 0.3223647	total: 853ms	remaining: 651ms
567:	learn: 0.3222330	total: 854ms	remaining: 649ms
568:	learn: 0.3221076	total: 855ms	remaining: 648ms
569:	learn: 0.3219573	total: 856ms	remaining: 646ms
570:	learn: 0.3218315	total: 857ms	remaining: 644ms
571:	learn: 0.3217652	total: 859ms	remaining: 642ms
572:	learn: 0.3217273	total: 860ms	remaining: 641ms
573:	learn: 0.3216423	total: 861ms	remaining: 639ms
574:	learn: 0.3215566	total: 862ms	remaining: 637ms
575:	learn: 0.3214938	total: 863ms	remaining: 635ms
576:	learn: 0.3213332	total: 865ms	remaining: 634ms
577:	learn: 0.3212781	total: 866ms	remaining: 632ms
578:	learn: 0.3210473	total: 867ms	remaining: 630ms
579:	learn: 0.3209975	total: 868ms	remaining: 629ms
580:	learn: 0.3208435	total: 869ms	remaining: 627ms
581:	learn: 0.3206522	total: 870ms	remaining: 625ms
582:	learn: 0.3205450	total: 871ms	remaining: 623ms
583:	learn: 0.3205321	total: 872ms	remaining: 621ms
584:	learn: 0.3204562	total: 873ms	remaining: 619ms
585:	learn: 0.3204138	total: 874ms	remaining: 618ms
586:	learn: 0.3203263	total: 875ms	remaining: 616ms
587:	learn: 0.3202910	total: 876ms	remaining: 614ms
588:	learn: 0.3201954	total: 877ms	remaining: 612ms
589:	learn: 0.3201293	total: 879ms	remaining: 611ms
590:	learn: 0.3201077	total: 880ms	remaining: 609ms
591:	learn: 0.3200210	total: 881ms	remaining: 607ms
592:	learn: 0.3199487	total: 883ms	remaining: 606ms
593:	learn: 0.3197593	total: 885ms	remaining: 605ms
594:	learn: 0.3195954	total: 887ms	remaining: 603ms
595:	learn: 0.3195481	total: 889ms	remaining: 603ms
596:	learn: 0.3195006	total: 891ms	remaining: 601ms
597:	learn: 0.3194088	total: 892ms	remaining: 600ms
598:	learn: 0.3193048	total: 894ms	remaining: 598ms
599:	learn: 0.3192069	total: 896ms	remaining: 597ms
600:	learn: 0.3191493	total: 897ms	remaining: 595ms
601:	learn: 0.3190227	total: 898ms	remaining: 594ms
602:	learn: 0.3189302	total: 900ms	remaining: 592ms
603:	learn: 0.3188910	total: 901ms	remaining: 591ms
604:	learn: 0.3188000	total: 902ms	remaining: 589ms
605:	learn: 0.3187352	total: 904ms	remaining: 588ms
606:	learn: 0.3186300	total: 905ms	remaining: 586ms
607:	learn: 0.3184298	total: 907ms	remaining: 584ms
608:	learn: 0.3183568	total: 908ms	remaining: 583ms
609:	learn: 0.3182894	total: 909ms	remaining: 581ms
610:	learn: 0.3181426	total: 910ms	remaining: 580ms
611:	learn: 0.3179574	total: 912ms	remaining: 578ms
612:	learn: 0.3179223	total: 913ms	remaining: 577ms
613:	learn: 0.3178380	total: 914ms	remaining: 575ms
614:	learn: 0.3177596	total: 918ms	remaining: 575ms
615:	learn: 0.3175927	total: 919ms	remaining: 573ms
616:	learn: 0.3173668	total: 922ms	remaining: 572ms
617:	learn: 0.3173352	total: 923ms	remaining: 571ms
618:	learn: 0.3171120	total: 925ms	remaining: 569ms
619:	learn: 0.3170100	total: 927ms	remaining: 568ms
620:	learn: 0.3169220	total: 928ms	remaining: 567ms
621:	learn: 0.3167400	total: 930ms	remaining: 565ms
622:	learn: 0.3167001	total: 932ms	remaining: 564ms
623:	learn: 0.3166518	total: 933ms	remaining: 562ms
624:	learn: 0.3165660	total: 934ms	remaining: 561ms
625:	learn: 0.3164403	total: 937ms	remaining: 560ms
626:	learn: 0.3163727	total: 939ms	remaining: 558ms
627:	learn: 0.3162427	total: 940ms	remaining: 557ms
628:	learn: 0.3161733	total: 941ms	remaining: 555ms
629:	learn: 0.3160736	total: 943ms	remaining: 554ms
630:	learn: 0.3158818	total: 944ms	remaining: 552ms
631:	learn: 0.3158262	total: 946ms	remaining: 551ms
632:	learn: 0.3157412	total: 947ms	remaining: 549ms
633:	learn: 0.3156898	total: 948ms	remaining: 547ms
634:	learn: 0.3155679	total: 949ms	remaining: 546ms
635:	learn: 0.3154611	total: 951ms	remaining: 544ms
636:	learn: 0.3154427	total: 951ms	remaining: 542ms
637:	learn: 0.3153691	total: 953ms	remaining: 541ms
638:	learn: 0.3151784	total: 954ms	remaining: 539ms
639:	learn: 0.3150529	total: 955ms	remaining: 537ms
640:	learn: 0.3150282	total: 956ms	remaining: 535ms
641:	learn: 0.3148261	total: 957ms	remaining: 534ms
642:	learn: 0.3147875	total: 959ms	remaining: 532ms
643:	learn: 0.3147567	total: 960ms	remaining: 531ms
644:	learn: 0.3146322	total: 961ms	remaining: 529ms
645:	learn: 0.3145532	total: 963ms	remaining: 528ms
646:	learn: 0.3143133	total: 964ms	remaining: 526ms
647:	learn: 0.3140229	total: 965ms	remaining: 524ms
648:	learn: 0.3139425	total: 967ms	remaining: 523ms
649:	learn: 0.3138068	total: 969ms	remaining: 522ms
650:	learn: 0.3136153	total: 970ms	remaining: 520ms
651:	learn: 0.3135629	total: 972ms	remaining: 519ms
652:	learn: 0.3133985	total: 974ms	remaining: 518ms
653:	learn: 0.3133526	total: 976ms	remaining: 516ms
654:	learn: 0.3131318	total: 977ms	remaining: 514ms
655:	learn: 0.3130384	total: 978ms	remaining: 513ms
656:	learn: 0.3129302	total: 980ms	remaining: 511ms
657:	learn: 0.3127555	total: 981ms	remaining: 510ms
658:	learn: 0.3127486	total: 982ms	remaining: 508ms
659:	learn: 0.3127039	total: 983ms	remaining: 506ms
660:	learn: 0.3126001	total: 984ms	remaining: 505ms
661:	learn: 0.3124881	total: 985ms	remaining: 503ms
662:	learn: 0.3124353	total: 986ms	remaining: 501ms
663:	learn: 0.3122546	total: 988ms	remaining: 500ms
664:	learn: 0.3122239	total: 989ms	remaining: 498ms
665:	learn: 0.3121784	total: 991ms	remaining: 497ms
666:	learn: 0.3121267	total: 993ms	remaining: 496ms
667:	learn: 0.3120395	total: 994ms	remaining: 494ms
668:	learn: 0.3120127	total: 996ms	remaining: 493ms
669:	learn: 0.3119610	total: 997ms	remaining: 491ms
670:	learn: 0.3117913	total: 998ms	remaining: 489ms
671:	learn: 0.3116914	total: 999ms	remaining: 488ms
672:	learn: 0.3116547	total: 1s	remaining: 486ms
673:	learn: 0.3115684	total: 1s	remaining: 484ms
674:	learn: 0.3114941	total: 1s	remaining: 483ms
675:	learn: 0.3114510	total: 1s	remaining: 481ms
676:	learn: 0.3112203	total: 1s	remaining: 480ms
677:	learn: 0.3110508	total: 1.01s	remaining: 478ms
678:	learn: 0.3110102	total: 1.01s	remaining: 477ms
679:	learn: 0.3108967	total: 1.01s	remaining: 475ms
680:	learn: 0.3108654	total: 1.01s	remaining: 473ms
681:	learn: 0.3106962	total: 1.01s	remaining: 472ms
682:	learn: 0.3106458	total: 1.01s	remaining: 471ms
683:	learn: 0.3105959	total: 1.01s	remaining: 469ms
684:	learn: 0.3105300	total: 1.02s	remaining: 468ms
685:	learn: 0.3104842	total: 1.02s	remaining: 466ms
686:	learn: 0.3103326	total: 1.02s	remaining: 465ms
687:	learn: 0.3103258	total: 1.02s	remaining: 463ms
688:	learn: 0.3102945	total: 1.02s	remaining: 461ms
689:	learn: 0.3102384	total: 1.02s	remaining: 460ms
690:	learn: 0.3101594	total: 1.02s	remaining: 458ms
691:	learn: 0.3101370	total: 1.02s	remaining: 457ms
692:	learn: 0.3099302	total: 1.03s	remaining: 455ms
693:	learn: 0.3098841	total: 1.03s	remaining: 454ms
694:	learn: 0.3098660	total: 1.03s	remaining: 452ms
695:	learn: 0.3096396	total: 1.03s	remaining: 451ms
696:	learn: 0.3096292	total: 1.03s	remaining: 449ms
697:	learn: 0.3096060	total: 1.03s	remaining: 447ms
698:	learn: 0.3094642	total: 1.03s	remaining: 446ms
699:	learn: 0.3093648	total: 1.03s	remaining: 444ms
700:	learn: 0.3091002	total: 1.04s	remaining: 442ms
701:	learn: 0.3088913	total: 1.04s	remaining: 441ms
702:	learn: 0.3087764	total: 1.04s	remaining: 439ms
703:	learn: 0.3087121	total: 1.04s	remaining: 437ms
704:	learn: 0.3085213	total: 1.04s	remaining: 436ms
705:	learn: 0.3084900	total: 1.04s	remaining: 434ms
706:	learn: 0.3082615	total: 1.04s	remaining: 432ms
707:	learn: 0.3082205	total: 1.04s	remaining: 431ms
708:	learn: 0.3081993	total: 1.04s	remaining: 429ms
709:	learn: 0.3081296	total: 1.05s	remaining: 428ms
710:	learn: 0.3080477	total: 1.05s	remaining: 426ms
711:	learn: 0.3079610	total: 1.05s	remaining: 425ms
712:	learn: 0.3078240	total: 1.05s	remaining: 424ms
713:	learn: 0.3076882	total: 1.05s	remaining: 422ms
714:	learn: 0.3075188	total: 1.05s	remaining: 421ms
715:	learn: 0.3073993	total: 1.06s	remaining: 419ms
716:	learn: 0.3073657	total: 1.06s	remaining: 418ms
717:	learn: 0.3072962	total: 1.06s	remaining: 417ms
718:	learn: 0.3071896	total: 1.06s	remaining: 415ms
719:	learn: 0.3070651	total: 1.06s	remaining: 414ms
720:	learn: 0.3069570	total: 1.06s	remaining: 412ms
721:	learn: 0.3068108	total: 1.07s	remaining: 411ms
722:	learn: 0.3067698	total: 1.07s	remaining: 409ms
723:	learn: 0.3066635	total: 1.07s	remaining: 408ms
724:	learn: 0.3065437	total: 1.07s	remaining: 406ms
725:	learn: 0.3064340	total: 1.07s	remaining: 405ms
726:	learn: 0.3063286	total: 1.07s	remaining: 403ms
727:	learn: 0.3062857	total: 1.07s	remaining: 402ms
728:	learn: 0.3061451	total: 1.07s	remaining: 400ms
729:	learn: 0.3061026	total: 1.08s	remaining: 398ms
730:	learn: 0.3060135	total: 1.08s	remaining: 397ms
731:	learn: 0.3059533	total: 1.08s	remaining: 396ms
732:	learn: 0.3058187	total: 1.08s	remaining: 395ms
733:	learn: 0.3055647	total: 1.09s	remaining: 394ms
734:	learn: 0.3054288	total: 1.09s	remaining: 393ms
735:	learn: 0.3053118	total: 1.09s	remaining: 391ms
736:	learn: 0.3052838	total: 1.09s	remaining: 390ms
737:	learn: 0.3051244	total: 1.09s	remaining: 388ms
738:	learn: 0.3050313	total: 1.09s	remaining: 387ms
739:	learn: 0.3049387	total: 1.1s	remaining: 385ms
740:	learn: 0.3048088	total: 1.1s	remaining: 384ms
741:	learn: 0.3047582	total: 1.1s	remaining: 382ms
742:	learn: 0.3045958	total: 1.1s	remaining: 381ms
743:	learn: 0.3045221	total: 1.1s	remaining: 379ms
744:	learn: 0.3044754	total: 1.1s	remaining: 378ms
745:	learn: 0.3044509	total: 1.1s	remaining: 377ms
746:	learn: 0.3043900	total: 1.11s	remaining: 375ms
747:	learn: 0.3040945	total: 1.11s	remaining: 374ms
748:	learn: 0.3038984	total: 1.11s	remaining: 372ms
749:	learn: 0.3038193	total: 1.11s	remaining: 371ms
750:	learn: 0.3037917	total: 1.11s	remaining: 369ms
751:	learn: 0.3037522	total: 1.11s	remaining: 368ms
752:	learn: 0.3037488	total: 1.11s	remaining: 366ms
753:	learn: 0.3036769	total: 1.12s	remaining: 364ms
754:	learn: 0.3034860	total: 1.12s	remaining: 363ms
755:	learn: 0.3034095	total: 1.12s	remaining: 362ms
756:	learn: 0.3032959	total: 1.12s	remaining: 360ms
757:	learn: 0.3032625	total: 1.12s	remaining: 359ms
758:	learn: 0.3031721	total: 1.12s	remaining: 357ms
759:	learn: 0.3029812	total: 1.13s	remaining: 356ms
760:	learn: 0.3028624	total: 1.13s	remaining: 354ms
761:	learn: 0.3026988	total: 1.13s	remaining: 353ms
762:	learn: 0.3026261	total: 1.13s	remaining: 351ms
763:	learn: 0.3025886	total: 1.13s	remaining: 350ms
764:	learn: 0.3025497	total: 1.13s	remaining: 349ms
765:	learn: 0.3024441	total: 1.14s	remaining: 347ms
766:	learn: 0.3023359	total: 1.14s	remaining: 346ms
767:	learn: 0.3022810	total: 1.14s	remaining: 344ms
768:	learn: 0.3021258	total: 1.14s	remaining: 343ms
769:	learn: 0.3020787	total: 1.14s	remaining: 341ms
770:	learn: 0.3020204	total: 1.14s	remaining: 340ms
771:	learn: 0.3019782	total: 1.15s	remaining: 339ms
772:	learn: 0.3019046	total: 1.15s	remaining: 337ms
773:	learn: 0.3018975	total: 1.15s	remaining: 336ms
774:	learn: 0.3017271	total: 1.15s	remaining: 334ms
775:	learn: 0.3016557	total: 1.15s	remaining: 333ms
776:	learn: 0.3015515	total: 1.16s	remaining: 332ms
777:	learn: 0.3013313	total: 1.16s	remaining: 330ms
778:	learn: 0.3012939	total: 1.16s	remaining: 329ms
779:	learn: 0.3010758	total: 1.16s	remaining: 327ms
780:	learn: 0.3010431	total: 1.16s	remaining: 326ms
781:	learn: 0.3009258	total: 1.16s	remaining: 324ms
782:	learn: 0.3009216	total: 1.17s	remaining: 323ms
783:	learn: 0.3008427	total: 1.17s	remaining: 322ms
784:	learn: 0.3007548	total: 1.17s	remaining: 320ms
785:	learn: 0.3005491	total: 1.17s	remaining: 319ms
786:	learn: 0.3005279	total: 1.17s	remaining: 317ms
787:	learn: 0.3003096	total: 1.17s	remaining: 316ms
788:	learn: 0.2999912	total: 1.18s	remaining: 314ms
789:	learn: 0.2998416	total: 1.18s	remaining: 313ms
790:	learn: 0.2997929	total: 1.18s	remaining: 312ms
791:	learn: 0.2996743	total: 1.18s	remaining: 310ms
792:	learn: 0.2996138	total: 1.18s	remaining: 309ms
793:	learn: 0.2994341	total: 1.18s	remaining: 307ms
794:	learn: 0.2994057	total: 1.18s	remaining: 306ms
795:	learn: 0.2993378	total: 1.19s	remaining: 304ms
796:	learn: 0.2992334	total: 1.19s	remaining: 302ms
797:	learn: 0.2991282	total: 1.19s	remaining: 301ms
798:	learn: 0.2990434	total: 1.19s	remaining: 300ms
799:	learn: 0.2989803	total: 1.19s	remaining: 298ms
800:	learn: 0.2988832	total: 1.19s	remaining: 297ms
801:	learn: 0.2987511	total: 1.2s	remaining: 295ms
802:	learn: 0.2986104	total: 1.2s	remaining: 294ms
803:	learn: 0.2985682	total: 1.2s	remaining: 292ms
804:	learn: 0.2984331	total: 1.2s	remaining: 291ms
805:	learn: 0.2983828	total: 1.2s	remaining: 290ms
806:	learn: 0.2982940	total: 1.2s	remaining: 288ms
807:	learn: 0.2982009	total: 1.21s	remaining: 287ms
808:	learn: 0.2980899	total: 1.21s	remaining: 285ms
809:	learn: 0.2980265	total: 1.21s	remaining: 284ms
810:	learn: 0.2978279	total: 1.21s	remaining: 282ms
811:	learn: 0.2977527	total: 1.21s	remaining: 281ms
812:	learn: 0.2976333	total: 1.21s	remaining: 279ms
813:	learn: 0.2974487	total: 1.22s	remaining: 278ms
814:	learn: 0.2973761	total: 1.22s	remaining: 277ms
815:	learn: 0.2972528	total: 1.22s	remaining: 275ms
816:	learn: 0.2971873	total: 1.22s	remaining: 274ms
817:	learn: 0.2970880	total: 1.22s	remaining: 272ms
818:	learn: 0.2969595	total: 1.23s	remaining: 271ms
819:	learn: 0.2968560	total: 1.23s	remaining: 270ms
820:	learn: 0.2967460	total: 1.23s	remaining: 268ms
821:	learn: 0.2967110	total: 1.23s	remaining: 267ms
822:	learn: 0.2966457	total: 1.23s	remaining: 265ms
823:	learn: 0.2965711	total: 1.23s	remaining: 264ms
824:	learn: 0.2965386	total: 1.24s	remaining: 262ms
825:	learn: 0.2964117	total: 1.24s	remaining: 261ms
826:	learn: 0.2963521	total: 1.24s	remaining: 260ms
827:	learn: 0.2963484	total: 1.24s	remaining: 258ms
828:	learn: 0.2963082	total: 1.24s	remaining: 257ms
829:	learn: 0.2961622	total: 1.25s	remaining: 255ms
830:	learn: 0.2959662	total: 1.25s	remaining: 254ms
831:	learn: 0.2958698	total: 1.25s	remaining: 252ms
832:	learn: 0.2957192	total: 1.25s	remaining: 251ms
833:	learn: 0.2955970	total: 1.25s	remaining: 250ms
834:	learn: 0.2955525	total: 1.26s	remaining: 248ms
835:	learn: 0.2954513	total: 1.26s	remaining: 247ms
836:	learn: 0.2953898	total: 1.26s	remaining: 245ms
837:	learn: 0.2952918	total: 1.26s	remaining: 244ms
838:	learn: 0.2951532	total: 1.26s	remaining: 242ms
839:	learn: 0.2950932	total: 1.26s	remaining: 241ms
840:	learn: 0.2950442	total: 1.27s	remaining: 239ms
841:	learn: 0.2949691	total: 1.27s	remaining: 238ms
842:	learn: 0.2948453	total: 1.27s	remaining: 237ms
843:	learn: 0.2948188	total: 1.27s	remaining: 235ms
844:	learn: 0.2947094	total: 1.27s	remaining: 234ms
845:	learn: 0.2946735	total: 1.27s	remaining: 232ms
846:	learn: 0.2944904	total: 1.27s	remaining: 230ms
847:	learn: 0.2944480	total: 1.28s	remaining: 229ms
848:	learn: 0.2942538	total: 1.28s	remaining: 227ms
849:	learn: 0.2941190	total: 1.28s	remaining: 226ms
850:	learn: 0.2940277	total: 1.28s	remaining: 224ms
851:	learn: 0.2938935	total: 1.28s	remaining: 223ms
852:	learn: 0.2938331	total: 1.29s	remaining: 222ms
853:	learn: 0.2937668	total: 1.29s	remaining: 220ms
854:	learn: 0.2937508	total: 1.29s	remaining: 219ms
855:	learn: 0.2935904	total: 1.29s	remaining: 217ms
856:	learn: 0.2934469	total: 1.29s	remaining: 216ms
857:	learn: 0.2933149	total: 1.29s	remaining: 214ms
858:	learn: 0.2932553	total: 1.3s	remaining: 213ms
859:	learn: 0.2932173	total: 1.3s	remaining: 211ms
860:	learn: 0.2930670	total: 1.3s	remaining: 210ms
861:	learn: 0.2929893	total: 1.3s	remaining: 208ms
862:	learn: 0.2929494	total: 1.3s	remaining: 207ms
863:	learn: 0.2929283	total: 1.3s	remaining: 205ms
864:	learn: 0.2928684	total: 1.31s	remaining: 204ms
865:	learn: 0.2926937	total: 1.31s	remaining: 202ms
866:	learn: 0.2926321	total: 1.31s	remaining: 201ms
867:	learn: 0.2926168	total: 1.31s	remaining: 199ms
868:	learn: 0.2924939	total: 1.31s	remaining: 198ms
869:	learn: 0.2923966	total: 1.31s	remaining: 196ms
870:	learn: 0.2922458	total: 1.31s	remaining: 195ms
871:	learn: 0.2921728	total: 1.31s	remaining: 193ms
872:	learn: 0.2921391	total: 1.32s	remaining: 192ms
873:	learn: 0.2920296	total: 1.32s	remaining: 190ms
874:	learn: 0.2919852	total: 1.32s	remaining: 189ms
875:	learn: 0.2918947	total: 1.32s	remaining: 187ms
876:	learn: 0.2917939	total: 1.32s	remaining: 186ms
877:	learn: 0.2917327	total: 1.32s	remaining: 184ms
878:	learn: 0.2916175	total: 1.33s	remaining: 183ms
879:	learn: 0.2915256	total: 1.33s	remaining: 181ms
880:	learn: 0.2914363	total: 1.33s	remaining: 180ms
881:	learn: 0.2913946	total: 1.33s	remaining: 178ms
882:	learn: 0.2912607	total: 1.33s	remaining: 177ms
883:	learn: 0.2910802	total: 1.33s	remaining: 175ms
884:	learn: 0.2908745	total: 1.34s	remaining: 174ms
885:	learn: 0.2908222	total: 1.34s	remaining: 172ms
886:	learn: 0.2907523	total: 1.34s	remaining: 171ms
887:	learn: 0.2906952	total: 1.34s	remaining: 169ms
888:	learn: 0.2905846	total: 1.34s	remaining: 168ms
889:	learn: 0.2904988	total: 1.35s	remaining: 166ms
890:	learn: 0.2904477	total: 1.35s	remaining: 165ms
891:	learn: 0.2904087	total: 1.35s	remaining: 163ms
892:	learn: 0.2902233	total: 1.35s	remaining: 162ms
893:	learn: 0.2901683	total: 1.35s	remaining: 160ms
894:	learn: 0.2900743	total: 1.35s	remaining: 159ms
895:	learn: 0.2900244	total: 1.36s	remaining: 157ms
896:	learn: 0.2899848	total: 1.36s	remaining: 156ms
897:	learn: 0.2899228	total: 1.36s	remaining: 154ms
898:	learn: 0.2898580	total: 1.36s	remaining: 153ms
899:	learn: 0.2898256	total: 1.36s	remaining: 151ms
900:	learn: 0.2897648	total: 1.36s	remaining: 150ms
901:	learn: 0.2897234	total: 1.37s	remaining: 148ms
902:	learn: 0.2895791	total: 1.37s	remaining: 147ms
903:	learn: 0.2895279	total: 1.37s	remaining: 145ms
904:	learn: 0.2893212	total: 1.37s	remaining: 144ms
905:	learn: 0.2892788	total: 1.37s	remaining: 142ms
906:	learn: 0.2892550	total: 1.37s	remaining: 141ms
907:	learn: 0.2891745	total: 1.38s	remaining: 139ms
908:	learn: 0.2891331	total: 1.38s	remaining: 138ms
909:	learn: 0.2890255	total: 1.38s	remaining: 136ms
910:	learn: 0.2889269	total: 1.38s	remaining: 135ms
911:	learn: 0.2888795	total: 1.38s	remaining: 134ms
912:	learn: 0.2887919	total: 1.39s	remaining: 132ms
913:	learn: 0.2887043	total: 1.39s	remaining: 131ms
914:	learn: 0.2886470	total: 1.39s	remaining: 129ms
915:	learn: 0.2885852	total: 1.39s	remaining: 128ms
916:	learn: 0.2884671	total: 1.39s	remaining: 126ms
917:	learn: 0.2884255	total: 1.39s	remaining: 125ms
918:	learn: 0.2883287	total: 1.4s	remaining: 123ms
919:	learn: 0.2881742	total: 1.4s	remaining: 122ms
920:	learn: 0.2880698	total: 1.4s	remaining: 120ms
921:	learn: 0.2880249	total: 1.4s	remaining: 119ms
922:	learn: 0.2878405	total: 1.4s	remaining: 117ms
923:	learn: 0.2876034	total: 1.4s	remaining: 115ms
924:	learn: 0.2874412	total: 1.41s	remaining: 114ms
925:	learn: 0.2873574	total: 1.41s	remaining: 112ms
926:	learn: 0.2873126	total: 1.41s	remaining: 111ms
927:	learn: 0.2872236	total: 1.41s	remaining: 109ms
928:	learn: 0.2871712	total: 1.41s	remaining: 108ms
929:	learn: 0.2871467	total: 1.41s	remaining: 106ms
930:	learn: 0.2868042	total: 1.41s	remaining: 105ms
931:	learn: 0.2867723	total: 1.42s	remaining: 103ms
932:	learn: 0.2867100	total: 1.42s	remaining: 102ms
933:	learn: 0.2865136	total: 1.42s	remaining: 100ms
934:	learn: 0.2863650	total: 1.42s	remaining: 98.7ms
935:	learn: 0.2863036	total: 1.42s	remaining: 97.1ms
936:	learn: 0.2861177	total: 1.42s	remaining: 95.6ms
937:	learn: 0.2860613	total: 1.42s	remaining: 94.1ms
938:	learn: 0.2859212	total: 1.42s	remaining: 92.5ms
939:	learn: 0.2857834	total: 1.43s	remaining: 91ms
940:	learn: 0.2857225	total: 1.43s	remaining: 89.5ms
941:	learn: 0.2854482	total: 1.43s	remaining: 87.9ms
942:	learn: 0.2853694	total: 1.43s	remaining: 86.4ms
943:	learn: 0.2852942	total: 1.43s	remaining: 85ms
944:	learn: 0.2852140	total: 1.43s	remaining: 83.5ms
945:	learn: 0.2851066	total: 1.44s	remaining: 81.9ms
946:	learn: 0.2849074	total: 1.44s	remaining: 80.5ms
947:	learn: 0.2847520	total: 1.44s	remaining: 79ms
948:	learn: 0.2846852	total: 1.44s	remaining: 77.5ms
949:	learn: 0.2846367	total: 1.44s	remaining: 76ms
950:	learn: 0.2845546	total: 1.44s	remaining: 74.4ms
951:	learn: 0.2844788	total: 1.45s	remaining: 72.9ms
952:	learn: 0.2843056	total: 1.45s	remaining: 71.4ms
953:	learn: 0.2842155	total: 1.45s	remaining: 69.9ms
954:	learn: 0.2841214	total: 1.45s	remaining: 68.4ms
955:	learn: 0.2840876	total: 1.45s	remaining: 66.9ms
956:	learn: 0.2838532	total: 1.45s	remaining: 65.3ms
957:	learn: 0.2837543	total: 1.46s	remaining: 63.8ms
958:	learn: 0.2837030	total: 1.46s	remaining: 62.3ms
959:	learn: 0.2835953	total: 1.46s	remaining: 60.8ms
960:	learn: 0.2835261	total: 1.46s	remaining: 59.2ms
961:	learn: 0.2833405	total: 1.46s	remaining: 57.7ms
962:	learn: 0.2832567	total: 1.46s	remaining: 56.2ms
963:	learn: 0.2830934	total: 1.46s	remaining: 54.7ms
964:	learn: 0.2830666	total: 1.46s	remaining: 53.1ms
965:	learn: 0.2829776	total: 1.47s	remaining: 51.6ms
966:	learn: 0.2829546	total: 1.47s	remaining: 50.1ms
967:	learn: 0.2828191	total: 1.47s	remaining: 48.6ms
968:	learn: 0.2827603	total: 1.47s	remaining: 47ms
969:	learn: 0.2827374	total: 1.47s	remaining: 45.5ms
970:	learn: 0.2826834	total: 1.47s	remaining: 44ms
971:	learn: 0.2826231	total: 1.47s	remaining: 42.5ms
972:	learn: 0.2825228	total: 1.48s	remaining: 41ms
973:	learn: 0.2824184	total: 1.48s	remaining: 39.5ms
974:	learn: 0.2823403	total: 1.48s	remaining: 38ms
975:	learn: 0.2823246	total: 1.48s	remaining: 36.4ms
976:	learn: 0.2821549	total: 1.48s	remaining: 34.9ms
977:	learn: 0.2820771	total: 1.49s	remaining: 33.4ms
978:	learn: 0.2820127	total: 1.49s	remaining: 31.9ms
979:	learn: 0.2819544	total: 1.49s	remaining: 30.4ms
980:	learn: 0.2818645	total: 1.49s	remaining: 28.9ms
981:	learn: 0.2818258	total: 1.49s	remaining: 27.4ms
982:	learn: 0.2817772	total: 1.5s	remaining: 25.9ms
983:	learn: 0.2817285	total: 1.5s	remaining: 24.3ms
984:	learn: 0.2816921	total: 1.5s	remaining: 22.8ms
985:	learn: 0.2816313	total: 1.5s	remaining: 21.3ms
986:	learn: 0.2815814	total: 1.5s	remaining: 19.8ms
987:	learn: 0.2814146	total: 1.5s	remaining: 18.3ms
988:	learn: 0.2813165	total: 1.5s	remaining: 16.7ms
989:	learn: 0.2812160	total: 1.51s	remaining: 15.2ms
990:	learn: 0.2811625	total: 1.51s	remaining: 13.7ms
991:	learn: 0.2811167	total: 1.51s	remaining: 12.2ms
992:	learn: 0.2808898	total: 1.51s	remaining: 10.7ms
993:	learn: 0.2808451	total: 1.51s	remaining: 9.13ms
994:	learn: 0.2807924	total: 1.51s	remaining: 7.61ms
995:	learn: 0.2806391	total: 1.51s	remaining: 6.09ms
996:	learn: 0.2805538	total: 1.52s	remaining: 4.57ms
997:	learn: 0.2804488	total: 1.52s	remaining: 3.04ms
998:	learn: 0.2803980	total: 1.52s	remaining: 1.52ms
999:	learn: 0.2803647	total: 1.52s	remaining: 0us
Learning rate set to 0.009376
0:	learn: 0.6866195	total: 1.95ms	remaining: 1.94s
1:	learn: 0.6830486	total: 2.95ms	remaining: 1.47s
2:	learn: 0.6790198	total: 4.04ms	remaining: 1.34s
3:	learn: 0.6726807	total: 5.67ms	remaining: 1.41s
4:	learn: 0.6673342	total: 7.28ms	remaining: 1.45s
5:	learn: 0.6622718	total: 8.37ms	remaining: 1.39s
6:	learn: 0.6562079	total: 9.68ms	remaining: 1.37s
7:	learn: 0.6511429	total: 10.8ms	remaining: 1.34s
8:	learn: 0.6455573	total: 12.1ms	remaining: 1.33s
9:	learn: 0.6401726	total: 13.3ms	remaining: 1.32s
10:	learn: 0.6346298	total: 14.8ms	remaining: 1.33s
11:	learn: 0.6292118	total: 16.4ms	remaining: 1.35s
12:	learn: 0.6239073	total: 18ms	remaining: 1.37s
13:	learn: 0.6202443	total: 18.9ms	remaining: 1.33s
14:	learn: 0.6159690	total: 20.3ms	remaining: 1.33s
15:	learn: 0.6117906	total: 21.3ms	remaining: 1.31s
16:	learn: 0.6072605	total: 22.8ms	remaining: 1.32s
17:	learn: 0.6030086	total: 24.7ms	remaining: 1.35s
18:	learn: 0.5986898	total: 26.5ms	remaining: 1.36s
19:	learn: 0.5949173	total: 27.3ms	remaining: 1.34s
20:	learn: 0.5902145	total: 28.4ms	remaining: 1.32s
21:	learn: 0.5861836	total: 30.6ms	remaining: 1.36s
22:	learn: 0.5816903	total: 34.5ms	remaining: 1.46s
23:	learn: 0.5776044	total: 37.4ms	remaining: 1.52s
24:	learn: 0.5745750	total: 39.2ms	remaining: 1.53s
25:	learn: 0.5707212	total: 41.3ms	remaining: 1.55s
26:	learn: 0.5668505	total: 44.1ms	remaining: 1.59s
27:	learn: 0.5636220	total: 45.8ms	remaining: 1.59s
28:	learn: 0.5605202	total: 47.3ms	remaining: 1.58s
29:	learn: 0.5572274	total: 49.2ms	remaining: 1.59s
30:	learn: 0.5534219	total: 50.7ms	remaining: 1.58s
31:	learn: 0.5508176	total: 52.7ms	remaining: 1.59s
32:	learn: 0.5469576	total: 54.6ms	remaining: 1.6s
33:	learn: 0.5442349	total: 56.5ms	remaining: 1.6s
34:	learn: 0.5407492	total: 57.9ms	remaining: 1.6s
35:	learn: 0.5390379	total: 59.2ms	remaining: 1.58s
36:	learn: 0.5363508	total: 61ms	remaining: 1.59s
37:	learn: 0.5331841	total: 62.9ms	remaining: 1.59s
38:	learn: 0.5305444	total: 64.5ms	remaining: 1.59s
39:	learn: 0.5274137	total: 66.6ms	remaining: 1.6s
40:	learn: 0.5250797	total: 68.4ms	remaining: 1.6s
41:	learn: 0.5219638	total: 70ms	remaining: 1.6s
42:	learn: 0.5194657	total: 71.4ms	remaining: 1.59s
43:	learn: 0.5163512	total: 73.4ms	remaining: 1.59s
44:	learn: 0.5136489	total: 74.8ms	remaining: 1.59s
45:	learn: 0.5112090	total: 76.5ms	remaining: 1.59s
46:	learn: 0.5090447	total: 77.9ms	remaining: 1.58s
47:	learn: 0.5066542	total: 79.6ms	remaining: 1.58s
48:	learn: 0.5042396	total: 81.3ms	remaining: 1.58s
49:	learn: 0.5014840	total: 83.2ms	remaining: 1.58s
50:	learn: 0.4991239	total: 84.6ms	remaining: 1.57s
51:	learn: 0.4968267	total: 85.9ms	remaining: 1.57s
52:	learn: 0.4944760	total: 87.3ms	remaining: 1.56s
53:	learn: 0.4926598	total: 89.1ms	remaining: 1.56s
54:	learn: 0.4906845	total: 90.5ms	remaining: 1.55s
55:	learn: 0.4886203	total: 91.7ms	remaining: 1.55s
56:	learn: 0.4863561	total: 92.9ms	remaining: 1.54s
57:	learn: 0.4844396	total: 94.4ms	remaining: 1.53s
58:	learn: 0.4828541	total: 96.2ms	remaining: 1.53s
59:	learn: 0.4807827	total: 97.5ms	remaining: 1.53s
60:	learn: 0.4786320	total: 98.8ms	remaining: 1.52s
61:	learn: 0.4766017	total: 100ms	remaining: 1.51s
62:	learn: 0.4752043	total: 101ms	remaining: 1.5s
63:	learn: 0.4732939	total: 102ms	remaining: 1.5s
64:	learn: 0.4712579	total: 104ms	remaining: 1.49s
65:	learn: 0.4701459	total: 104ms	remaining: 1.48s
66:	learn: 0.4688124	total: 105ms	remaining: 1.47s
67:	learn: 0.4675851	total: 106ms	remaining: 1.46s
68:	learn: 0.4659997	total: 108ms	remaining: 1.46s
69:	learn: 0.4643915	total: 109ms	remaining: 1.45s
70:	learn: 0.4636483	total: 110ms	remaining: 1.44s
71:	learn: 0.4619727	total: 111ms	remaining: 1.44s
72:	learn: 0.4612334	total: 112ms	remaining: 1.42s
73:	learn: 0.4596519	total: 114ms	remaining: 1.42s
74:	learn: 0.4580303	total: 116ms	remaining: 1.43s
75:	learn: 0.4565637	total: 117ms	remaining: 1.42s
76:	learn: 0.4550649	total: 119ms	remaining: 1.43s
77:	learn: 0.4537454	total: 121ms	remaining: 1.43s
78:	learn: 0.4525944	total: 123ms	remaining: 1.43s
79:	learn: 0.4513680	total: 124ms	remaining: 1.43s
80:	learn: 0.4499834	total: 126ms	remaining: 1.43s
81:	learn: 0.4487019	total: 127ms	remaining: 1.43s
82:	learn: 0.4477756	total: 129ms	remaining: 1.42s
83:	learn: 0.4465022	total: 130ms	remaining: 1.42s
84:	learn: 0.4450125	total: 131ms	remaining: 1.42s
85:	learn: 0.4437548	total: 133ms	remaining: 1.41s
86:	learn: 0.4427139	total: 134ms	remaining: 1.41s
87:	learn: 0.4416254	total: 136ms	remaining: 1.41s
88:	learn: 0.4407398	total: 137ms	remaining: 1.4s
89:	learn: 0.4395053	total: 138ms	remaining: 1.4s
90:	learn: 0.4386348	total: 140ms	remaining: 1.39s
91:	learn: 0.4379634	total: 140ms	remaining: 1.38s
92:	learn: 0.4368290	total: 141ms	remaining: 1.38s
93:	learn: 0.4357694	total: 143ms	remaining: 1.38s
94:	learn: 0.4348580	total: 144ms	remaining: 1.37s
95:	learn: 0.4340231	total: 146ms	remaining: 1.37s
96:	learn: 0.4329852	total: 147ms	remaining: 1.37s
97:	learn: 0.4316905	total: 148ms	remaining: 1.36s
98:	learn: 0.4307818	total: 149ms	remaining: 1.36s
99:	learn: 0.4296849	total: 151ms	remaining: 1.36s
100:	learn: 0.4289341	total: 152ms	remaining: 1.36s
101:	learn: 0.4279646	total: 154ms	remaining: 1.35s
102:	learn: 0.4271457	total: 155ms	remaining: 1.35s
103:	learn: 0.4262326	total: 157ms	remaining: 1.35s
104:	learn: 0.4252200	total: 159ms	remaining: 1.35s
105:	learn: 0.4244960	total: 163ms	remaining: 1.37s
106:	learn: 0.4236691	total: 164ms	remaining: 1.37s
107:	learn: 0.4228224	total: 166ms	remaining: 1.37s
108:	learn: 0.4221034	total: 167ms	remaining: 1.36s
109:	learn: 0.4209925	total: 169ms	remaining: 1.36s
110:	learn: 0.4200801	total: 170ms	remaining: 1.36s
111:	learn: 0.4199587	total: 171ms	remaining: 1.35s
112:	learn: 0.4192668	total: 172ms	remaining: 1.35s
113:	learn: 0.4183431	total: 173ms	remaining: 1.35s
114:	learn: 0.4173795	total: 175ms	remaining: 1.35s
115:	learn: 0.4169132	total: 176ms	remaining: 1.34s
116:	learn: 0.4163967	total: 178ms	remaining: 1.34s
117:	learn: 0.4154140	total: 179ms	remaining: 1.34s
118:	learn: 0.4145678	total: 181ms	remaining: 1.34s
119:	learn: 0.4143107	total: 182ms	remaining: 1.33s
120:	learn: 0.4135496	total: 183ms	remaining: 1.33s
121:	learn: 0.4128062	total: 185ms	remaining: 1.33s
122:	learn: 0.4126958	total: 186ms	remaining: 1.32s
123:	learn: 0.4120971	total: 187ms	remaining: 1.32s
124:	learn: 0.4115527	total: 189ms	remaining: 1.32s
125:	learn: 0.4110694	total: 190ms	remaining: 1.31s
126:	learn: 0.4102904	total: 191ms	remaining: 1.31s
127:	learn: 0.4097802	total: 193ms	remaining: 1.31s
128:	learn: 0.4092013	total: 194ms	remaining: 1.31s
129:	learn: 0.4088846	total: 195ms	remaining: 1.31s
130:	learn: 0.4082062	total: 197ms	remaining: 1.31s
131:	learn: 0.4075754	total: 198ms	remaining: 1.3s
132:	learn: 0.4070450	total: 200ms	remaining: 1.3s
133:	learn: 0.4065437	total: 202ms	remaining: 1.3s
134:	learn: 0.4059541	total: 204ms	remaining: 1.3s
135:	learn: 0.4054952	total: 206ms	remaining: 1.31s
136:	learn: 0.4054271	total: 207ms	remaining: 1.3s
137:	learn: 0.4048718	total: 209ms	remaining: 1.3s
138:	learn: 0.4042364	total: 211ms	remaining: 1.31s
139:	learn: 0.4038379	total: 213ms	remaining: 1.31s
140:	learn: 0.4032558	total: 214ms	remaining: 1.3s
141:	learn: 0.4026401	total: 216ms	remaining: 1.3s
142:	learn: 0.4020033	total: 217ms	remaining: 1.3s
143:	learn: 0.4014755	total: 219ms	remaining: 1.3s
144:	learn: 0.4013256	total: 220ms	remaining: 1.3s
145:	learn: 0.4005641	total: 221ms	remaining: 1.29s
146:	learn: 0.4003015	total: 223ms	remaining: 1.29s
147:	learn: 0.4000010	total: 225ms	remaining: 1.29s
148:	learn: 0.3995228	total: 227ms	remaining: 1.29s
149:	learn: 0.3990489	total: 228ms	remaining: 1.29s
150:	learn: 0.3985094	total: 230ms	remaining: 1.29s
151:	learn: 0.3978033	total: 232ms	remaining: 1.29s
152:	learn: 0.3976494	total: 233ms	remaining: 1.29s
153:	learn: 0.3972909	total: 234ms	remaining: 1.29s
154:	learn: 0.3966713	total: 236ms	remaining: 1.28s
155:	learn: 0.3965564	total: 236ms	remaining: 1.28s
156:	learn: 0.3963035	total: 238ms	remaining: 1.28s
157:	learn: 0.3961756	total: 239ms	remaining: 1.27s
158:	learn: 0.3957698	total: 240ms	remaining: 1.27s
159:	learn: 0.3951069	total: 242ms	remaining: 1.27s
160:	learn: 0.3945967	total: 245ms	remaining: 1.27s
161:	learn: 0.3941427	total: 246ms	remaining: 1.27s
162:	learn: 0.3939123	total: 248ms	remaining: 1.27s
163:	learn: 0.3934175	total: 249ms	remaining: 1.27s
164:	learn: 0.3927296	total: 252ms	remaining: 1.27s
165:	learn: 0.3922757	total: 254ms	remaining: 1.28s
166:	learn: 0.3920153	total: 256ms	remaining: 1.27s
167:	learn: 0.3915777	total: 257ms	remaining: 1.27s
168:	learn: 0.3911573	total: 259ms	remaining: 1.27s
169:	learn: 0.3906534	total: 260ms	remaining: 1.27s
170:	learn: 0.3901787	total: 262ms	remaining: 1.27s
171:	learn: 0.3898649	total: 264ms	remaining: 1.27s
172:	learn: 0.3892792	total: 265ms	remaining: 1.27s
173:	learn: 0.3889433	total: 266ms	remaining: 1.26s
174:	learn: 0.3886791	total: 267ms	remaining: 1.26s
175:	learn: 0.3882002	total: 269ms	remaining: 1.26s
176:	learn: 0.3877696	total: 271ms	remaining: 1.26s
177:	learn: 0.3873188	total: 272ms	remaining: 1.26s
178:	learn: 0.3870090	total: 273ms	remaining: 1.25s
179:	learn: 0.3867099	total: 275ms	remaining: 1.25s
180:	learn: 0.3863518	total: 276ms	remaining: 1.25s
181:	learn: 0.3860285	total: 277ms	remaining: 1.25s
182:	learn: 0.3856154	total: 279ms	remaining: 1.25s
183:	learn: 0.3853428	total: 280ms	remaining: 1.24s
184:	learn: 0.3850039	total: 282ms	remaining: 1.24s
185:	learn: 0.3847611	total: 284ms	remaining: 1.24s
186:	learn: 0.3845960	total: 286ms	remaining: 1.24s
187:	learn: 0.3843182	total: 287ms	remaining: 1.24s
188:	learn: 0.3839244	total: 288ms	remaining: 1.24s
189:	learn: 0.3835315	total: 289ms	remaining: 1.23s
190:	learn: 0.3830899	total: 291ms	remaining: 1.23s
191:	learn: 0.3826825	total: 292ms	remaining: 1.23s
192:	learn: 0.3822411	total: 293ms	remaining: 1.23s
193:	learn: 0.3818710	total: 295ms	remaining: 1.23s
194:	learn: 0.3814525	total: 296ms	remaining: 1.22s
195:	learn: 0.3811391	total: 298ms	remaining: 1.22s
196:	learn: 0.3807894	total: 299ms	remaining: 1.22s
197:	learn: 0.3805618	total: 301ms	remaining: 1.22s
198:	learn: 0.3802566	total: 304ms	remaining: 1.22s
199:	learn: 0.3798589	total: 305ms	remaining: 1.22s
200:	learn: 0.3796703	total: 307ms	remaining: 1.22s
201:	learn: 0.3792657	total: 309ms	remaining: 1.22s
202:	learn: 0.3790588	total: 310ms	remaining: 1.22s
203:	learn: 0.3789467	total: 311ms	remaining: 1.21s
204:	learn: 0.3785577	total: 312ms	remaining: 1.21s
205:	learn: 0.3780912	total: 314ms	remaining: 1.21s
206:	learn: 0.3778499	total: 315ms	remaining: 1.21s
207:	learn: 0.3774396	total: 316ms	remaining: 1.2s
208:	learn: 0.3771521	total: 318ms	remaining: 1.2s
209:	learn: 0.3769198	total: 319ms	remaining: 1.2s
210:	learn: 0.3765553	total: 321ms	remaining: 1.2s
211:	learn: 0.3762595	total: 322ms	remaining: 1.2s
212:	learn: 0.3759232	total: 323ms	remaining: 1.19s
213:	learn: 0.3758720	total: 324ms	remaining: 1.19s
214:	learn: 0.3755856	total: 326ms	remaining: 1.19s
215:	learn: 0.3754800	total: 327ms	remaining: 1.19s
216:	learn: 0.3752873	total: 328ms	remaining: 1.18s
217:	learn: 0.3750526	total: 330ms	remaining: 1.18s
218:	learn: 0.3746615	total: 332ms	remaining: 1.18s
219:	learn: 0.3744555	total: 333ms	remaining: 1.18s
220:	learn: 0.3742597	total: 335ms	remaining: 1.18s
221:	learn: 0.3741008	total: 336ms	remaining: 1.18s
222:	learn: 0.3737706	total: 337ms	remaining: 1.17s
223:	learn: 0.3734999	total: 338ms	remaining: 1.17s
224:	learn: 0.3733105	total: 340ms	remaining: 1.17s
225:	learn: 0.3731487	total: 341ms	remaining: 1.17s
226:	learn: 0.3729382	total: 342ms	remaining: 1.17s
227:	learn: 0.3727559	total: 343ms	remaining: 1.16s
228:	learn: 0.3724205	total: 345ms	remaining: 1.16s
229:	learn: 0.3722317	total: 346ms	remaining: 1.16s
230:	learn: 0.3720316	total: 347ms	remaining: 1.16s
231:	learn: 0.3718068	total: 349ms	remaining: 1.16s
232:	learn: 0.3716394	total: 350ms	remaining: 1.15s
233:	learn: 0.3714879	total: 352ms	remaining: 1.15s
234:	learn: 0.3712652	total: 353ms	remaining: 1.15s
235:	learn: 0.3709596	total: 355ms	remaining: 1.15s
236:	learn: 0.3707661	total: 357ms	remaining: 1.15s
237:	learn: 0.3706753	total: 358ms	remaining: 1.15s
238:	learn: 0.3703554	total: 361ms	remaining: 1.15s
239:	learn: 0.3700409	total: 362ms	remaining: 1.15s
240:	learn: 0.3697066	total: 364ms	remaining: 1.14s
241:	learn: 0.3695153	total: 365ms	remaining: 1.14s
242:	learn: 0.3691312	total: 367ms	remaining: 1.14s
243:	learn: 0.3689191	total: 368ms	remaining: 1.14s
244:	learn: 0.3686384	total: 370ms	remaining: 1.14s
245:	learn: 0.3684383	total: 371ms	remaining: 1.14s
246:	learn: 0.3682742	total: 373ms	remaining: 1.14s
247:	learn: 0.3679306	total: 375ms	remaining: 1.14s
248:	learn: 0.3676715	total: 378ms	remaining: 1.14s
249:	learn: 0.3675290	total: 380ms	remaining: 1.14s
250:	learn: 0.3671165	total: 383ms	remaining: 1.14s
251:	learn: 0.3668595	total: 386ms	remaining: 1.14s
252:	learn: 0.3666970	total: 388ms	remaining: 1.15s
253:	learn: 0.3664500	total: 390ms	remaining: 1.15s
254:	learn: 0.3661544	total: 392ms	remaining: 1.14s
255:	learn: 0.3657782	total: 393ms	remaining: 1.14s
256:	learn: 0.3654276	total: 394ms	remaining: 1.14s
257:	learn: 0.3652367	total: 395ms	remaining: 1.14s
258:	learn: 0.3650510	total: 397ms	remaining: 1.13s
259:	learn: 0.3648333	total: 398ms	remaining: 1.13s
260:	learn: 0.3646737	total: 399ms	remaining: 1.13s
261:	learn: 0.3644343	total: 400ms	remaining: 1.13s
262:	learn: 0.3642339	total: 401ms	remaining: 1.12s
263:	learn: 0.3640813	total: 403ms	remaining: 1.12s
264:	learn: 0.3639111	total: 404ms	remaining: 1.12s
265:	learn: 0.3635973	total: 406ms	remaining: 1.12s
266:	learn: 0.3633802	total: 407ms	remaining: 1.12s
267:	learn: 0.3632228	total: 409ms	remaining: 1.12s
268:	learn: 0.3629278	total: 411ms	remaining: 1.11s
269:	learn: 0.3625939	total: 412ms	remaining: 1.11s
270:	learn: 0.3623259	total: 414ms	remaining: 1.11s
271:	learn: 0.3620510	total: 416ms	remaining: 1.11s
272:	learn: 0.3617372	total: 417ms	remaining: 1.11s
273:	learn: 0.3615327	total: 419ms	remaining: 1.11s
274:	learn: 0.3613311	total: 421ms	remaining: 1.11s
275:	learn: 0.3611464	total: 422ms	remaining: 1.11s
276:	learn: 0.3610044	total: 424ms	remaining: 1.11s
277:	learn: 0.3605678	total: 426ms	remaining: 1.1s
278:	learn: 0.3603746	total: 428ms	remaining: 1.1s
279:	learn: 0.3600480	total: 429ms	remaining: 1.1s
280:	learn: 0.3598359	total: 431ms	remaining: 1.1s
281:	learn: 0.3597060	total: 434ms	remaining: 1.1s
282:	learn: 0.3595685	total: 436ms	remaining: 1.1s
283:	learn: 0.3593609	total: 438ms	remaining: 1.1s
284:	learn: 0.3591541	total: 441ms	remaining: 1.11s
285:	learn: 0.3590056	total: 443ms	remaining: 1.1s
286:	learn: 0.3588499	total: 444ms	remaining: 1.1s
287:	learn: 0.3586139	total: 445ms	remaining: 1.1s
288:	learn: 0.3583894	total: 446ms	remaining: 1.1s
289:	learn: 0.3582225	total: 448ms	remaining: 1.1s
290:	learn: 0.3580020	total: 450ms	remaining: 1.09s
291:	learn: 0.3579349	total: 451ms	remaining: 1.09s
292:	learn: 0.3578378	total: 452ms	remaining: 1.09s
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293:	learn: 0.3576967	total: 453ms	remaining: 1.09s
294:	learn: 0.3574916	total: 455ms	remaining: 1.09s
295:	learn: 0.3572732	total: 456ms	remaining: 1.08s
296:	learn: 0.3571019	total: 458ms	remaining: 1.08s
297:	learn: 0.3570283	total: 459ms	remaining: 1.08s
298:	learn: 0.3566709	total: 461ms	remaining: 1.08s
299:	learn: 0.3565648	total: 463ms	remaining: 1.08s
300:	learn: 0.3564510	total: 465ms	remaining: 1.08s
301:	learn: 0.3562912	total: 466ms	remaining: 1.08s
302:	learn: 0.3562210	total: 468ms	remaining: 1.08s
303:	learn: 0.3560909	total: 470ms	remaining: 1.07s
304:	learn: 0.3559267	total: 472ms	remaining: 1.07s
305:	learn: 0.3557206	total: 473ms	remaining: 1.07s
306:	learn: 0.3554435	total: 476ms	remaining: 1.07s
307:	learn: 0.3551846	total: 477ms	remaining: 1.07s
308:	learn: 0.3549816	total: 480ms	remaining: 1.07s
309:	learn: 0.3548369	total: 482ms	remaining: 1.07s
310:	learn: 0.3547044	total: 484ms	remaining: 1.07s
311:	learn: 0.3545818	total: 485ms	remaining: 1.07s
312:	learn: 0.3544547	total: 487ms	remaining: 1.07s
313:	learn: 0.3543028	total: 489ms	remaining: 1.07s
314:	learn: 0.3540673	total: 491ms	remaining: 1.07s
315:	learn: 0.3538790	total: 493ms	remaining: 1.07s
316:	learn: 0.3538015	total: 495ms	remaining: 1.06s
317:	learn: 0.3536947	total: 496ms	remaining: 1.06s
318:	learn: 0.3534338	total: 498ms	remaining: 1.06s
319:	learn: 0.3532377	total: 500ms	remaining: 1.06s
320:	learn: 0.3530746	total: 502ms	remaining: 1.06s
321:	learn: 0.3528650	total: 503ms	remaining: 1.06s
322:	learn: 0.3526113	total: 505ms	remaining: 1.06s
323:	learn: 0.3525236	total: 507ms	remaining: 1.06s
324:	learn: 0.3523055	total: 509ms	remaining: 1.06s
325:	learn: 0.3521193	total: 510ms	remaining: 1.05s
326:	learn: 0.3520217	total: 512ms	remaining: 1.05s
327:	learn: 0.3518653	total: 513ms	remaining: 1.05s
328:	learn: 0.3517869	total: 515ms	remaining: 1.05s
329:	learn: 0.3516676	total: 516ms	remaining: 1.05s
330:	learn: 0.3515773	total: 517ms	remaining: 1.04s
331:	learn: 0.3515434	total: 518ms	remaining: 1.04s
332:	learn: 0.3514155	total: 520ms	remaining: 1.04s
333:	learn: 0.3511603	total: 522ms	remaining: 1.04s
334:	learn: 0.3509649	total: 523ms	remaining: 1.04s
335:	learn: 0.3508010	total: 524ms	remaining: 1.03s
336:	learn: 0.3506562	total: 525ms	remaining: 1.03s
337:	learn: 0.3505436	total: 528ms	remaining: 1.03s
338:	learn: 0.3505283	total: 529ms	remaining: 1.03s
339:	learn: 0.3504963	total: 530ms	remaining: 1.03s
340:	learn: 0.3504323	total: 532ms	remaining: 1.03s
341:	learn: 0.3503521	total: 534ms	remaining: 1.03s
342:	learn: 0.3502290	total: 536ms	remaining: 1.03s
343:	learn: 0.3500899	total: 538ms	remaining: 1.02s
344:	learn: 0.3500037	total: 539ms	remaining: 1.02s
345:	learn: 0.3499585	total: 541ms	remaining: 1.02s
346:	learn: 0.3498504	total: 542ms	remaining: 1.02s
347:	learn: 0.3495531	total: 544ms	remaining: 1.02s
348:	learn: 0.3494012	total: 545ms	remaining: 1.02s
349:	learn: 0.3493244	total: 548ms	remaining: 1.02s
350:	learn: 0.3491017	total: 549ms	remaining: 1.01s
351:	learn: 0.3489872	total: 551ms	remaining: 1.01s
352:	learn: 0.3488640	total: 553ms	remaining: 1.01s
353:	learn: 0.3487838	total: 555ms	remaining: 1.01s
354:	learn: 0.3487000	total: 556ms	remaining: 1.01s
355:	learn: 0.3485754	total: 559ms	remaining: 1.01s
356:	learn: 0.3483778	total: 561ms	remaining: 1.01s
357:	learn: 0.3483109	total: 563ms	remaining: 1.01s
358:	learn: 0.3481043	total: 564ms	remaining: 1.01s
359:	learn: 0.3479791	total: 567ms	remaining: 1.01s
360:	learn: 0.3478624	total: 569ms	remaining: 1.01s
361:	learn: 0.3477596	total: 570ms	remaining: 1s
362:	learn: 0.3476328	total: 572ms	remaining: 1s
363:	learn: 0.3474500	total: 575ms	remaining: 1s
364:	learn: 0.3471765	total: 576ms	remaining: 1s
365:	learn: 0.3471628	total: 577ms	remaining: 1s
366:	learn: 0.3470111	total: 579ms	remaining: 999ms
367:	learn: 0.3469046	total: 581ms	remaining: 997ms
368:	learn: 0.3467796	total: 582ms	remaining: 995ms
369:	learn: 0.3467054	total: 583ms	remaining: 993ms
370:	learn: 0.3466005	total: 585ms	remaining: 992ms
371:	learn: 0.3463755	total: 587ms	remaining: 991ms
372:	learn: 0.3463215	total: 590ms	remaining: 991ms
373:	learn: 0.3461886	total: 592ms	remaining: 991ms
374:	learn: 0.3460849	total: 594ms	remaining: 990ms
375:	learn: 0.3458169	total: 596ms	remaining: 988ms
376:	learn: 0.3457156	total: 597ms	remaining: 987ms
377:	learn: 0.3456155	total: 600ms	remaining: 987ms
378:	learn: 0.3455084	total: 601ms	remaining: 985ms
379:	learn: 0.3453629	total: 603ms	remaining: 984ms
380:	learn: 0.3452187	total: 605ms	remaining: 984ms
381:	learn: 0.3451706	total: 608ms	remaining: 984ms
382:	learn: 0.3450837	total: 612ms	remaining: 986ms
383:	learn: 0.3449871	total: 614ms	remaining: 985ms
384:	learn: 0.3448549	total: 615ms	remaining: 983ms
385:	learn: 0.3448001	total: 617ms	remaining: 981ms
386:	learn: 0.3446738	total: 618ms	remaining: 979ms
387:	learn: 0.3446460	total: 619ms	remaining: 976ms
388:	learn: 0.3445243	total: 620ms	remaining: 974ms
389:	learn: 0.3444175	total: 621ms	remaining: 972ms
390:	learn: 0.3444060	total: 622ms	remaining: 969ms
391:	learn: 0.3443265	total: 623ms	remaining: 967ms
392:	learn: 0.3441212	total: 626ms	remaining: 967ms
393:	learn: 0.3440203	total: 628ms	remaining: 965ms
394:	learn: 0.3439216	total: 629ms	remaining: 963ms
395:	learn: 0.3437937	total: 630ms	remaining: 961ms
396:	learn: 0.3436546	total: 631ms	remaining: 959ms
397:	learn: 0.3435049	total: 633ms	remaining: 957ms
398:	learn: 0.3433111	total: 634ms	remaining: 955ms
399:	learn: 0.3431657	total: 636ms	remaining: 954ms
400:	learn: 0.3429228	total: 638ms	remaining: 953ms
401:	learn: 0.3428326	total: 639ms	remaining: 951ms
402:	learn: 0.3426941	total: 641ms	remaining: 949ms
403:	learn: 0.3426459	total: 643ms	remaining: 948ms
404:	learn: 0.3425413	total: 645ms	remaining: 947ms
405:	learn: 0.3425262	total: 646ms	remaining: 945ms
406:	learn: 0.3425120	total: 647ms	remaining: 942ms
407:	learn: 0.3424159	total: 648ms	remaining: 940ms
408:	learn: 0.3422550	total: 650ms	remaining: 939ms
409:	learn: 0.3420561	total: 651ms	remaining: 936ms
410:	learn: 0.3419548	total: 652ms	remaining: 935ms
411:	learn: 0.3418370	total: 654ms	remaining: 933ms
412:	learn: 0.3417555	total: 655ms	remaining: 932ms
413:	learn: 0.3416981	total: 657ms	remaining: 930ms
414:	learn: 0.3415970	total: 659ms	remaining: 929ms
415:	learn: 0.3414158	total: 661ms	remaining: 927ms
416:	learn: 0.3411906	total: 662ms	remaining: 926ms
417:	learn: 0.3410986	total: 664ms	remaining: 924ms
418:	learn: 0.3410223	total: 665ms	remaining: 922ms
419:	learn: 0.3409184	total: 666ms	remaining: 920ms
420:	learn: 0.3407236	total: 668ms	remaining: 918ms
421:	learn: 0.3407078	total: 669ms	remaining: 916ms
422:	learn: 0.3405096	total: 670ms	remaining: 914ms
423:	learn: 0.3404283	total: 671ms	remaining: 912ms
424:	learn: 0.3402768	total: 673ms	remaining: 910ms
425:	learn: 0.3401673	total: 674ms	remaining: 908ms
426:	learn: 0.3400943	total: 675ms	remaining: 906ms
427:	learn: 0.3399157	total: 676ms	remaining: 904ms
428:	learn: 0.3398467	total: 678ms	remaining: 902ms
429:	learn: 0.3398337	total: 678ms	remaining: 899ms
430:	learn: 0.3395797	total: 679ms	remaining: 897ms
431:	learn: 0.3395201	total: 681ms	remaining: 896ms
432:	learn: 0.3394128	total: 683ms	remaining: 895ms
433:	learn: 0.3392730	total: 684ms	remaining: 893ms
434:	learn: 0.3392528	total: 686ms	remaining: 891ms
435:	learn: 0.3391616	total: 687ms	remaining: 889ms
436:	learn: 0.3390639	total: 689ms	remaining: 888ms
437:	learn: 0.3389786	total: 691ms	remaining: 886ms
438:	learn: 0.3389388	total: 692ms	remaining: 884ms
439:	learn: 0.3388754	total: 694ms	remaining: 883ms
440:	learn: 0.3388160	total: 695ms	remaining: 881ms
441:	learn: 0.3386751	total: 697ms	remaining: 879ms
442:	learn: 0.3385729	total: 698ms	remaining: 878ms
443:	learn: 0.3384447	total: 700ms	remaining: 876ms
444:	learn: 0.3383131	total: 701ms	remaining: 875ms
445:	learn: 0.3382543	total: 703ms	remaining: 873ms
446:	learn: 0.3381073	total: 704ms	remaining: 871ms
447:	learn: 0.3379644	total: 705ms	remaining: 869ms
448:	learn: 0.3378987	total: 707ms	remaining: 867ms
449:	learn: 0.3377370	total: 709ms	remaining: 866ms
450:	learn: 0.3376246	total: 711ms	remaining: 865ms
451:	learn: 0.3375479	total: 712ms	remaining: 863ms
452:	learn: 0.3374356	total: 713ms	remaining: 862ms
453:	learn: 0.3371696	total: 715ms	remaining: 860ms
454:	learn: 0.3371530	total: 716ms	remaining: 858ms
455:	learn: 0.3370170	total: 717ms	remaining: 856ms
456:	learn: 0.3369313	total: 719ms	remaining: 854ms
457:	learn: 0.3368922	total: 720ms	remaining: 852ms
458:	learn: 0.3366241	total: 722ms	remaining: 851ms
459:	learn: 0.3364948	total: 723ms	remaining: 849ms
460:	learn: 0.3364919	total: 724ms	remaining: 847ms
461:	learn: 0.3363572	total: 726ms	remaining: 845ms
462:	learn: 0.3361630	total: 727ms	remaining: 843ms
463:	learn: 0.3360032	total: 728ms	remaining: 841ms
464:	learn: 0.3358814	total: 730ms	remaining: 840ms
465:	learn: 0.3357226	total: 732ms	remaining: 839ms
466:	learn: 0.3355630	total: 734ms	remaining: 838ms
467:	learn: 0.3352944	total: 736ms	remaining: 837ms
468:	learn: 0.3351191	total: 737ms	remaining: 835ms
469:	learn: 0.3350071	total: 740ms	remaining: 834ms
470:	learn: 0.3349483	total: 741ms	remaining: 832ms
471:	learn: 0.3348247	total: 743ms	remaining: 831ms
472:	learn: 0.3347742	total: 744ms	remaining: 829ms
473:	learn: 0.3346789	total: 746ms	remaining: 828ms
474:	learn: 0.3345774	total: 747ms	remaining: 826ms
475:	learn: 0.3345224	total: 748ms	remaining: 824ms
476:	learn: 0.3344729	total: 750ms	remaining: 822ms
477:	learn: 0.3342863	total: 751ms	remaining: 821ms
478:	learn: 0.3342071	total: 753ms	remaining: 819ms
479:	learn: 0.3342061	total: 754ms	remaining: 816ms
480:	learn: 0.3340796	total: 755ms	remaining: 815ms
481:	learn: 0.3340752	total: 756ms	remaining: 813ms
482:	learn: 0.3339139	total: 758ms	remaining: 811ms
483:	learn: 0.3337726	total: 759ms	remaining: 809ms
484:	learn: 0.3336883	total: 761ms	remaining: 808ms
485:	learn: 0.3335789	total: 762ms	remaining: 806ms
486:	learn: 0.3334370	total: 764ms	remaining: 805ms
487:	learn: 0.3332971	total: 765ms	remaining: 803ms
488:	learn: 0.3331559	total: 767ms	remaining: 801ms
489:	learn: 0.3329981	total: 768ms	remaining: 799ms
490:	learn: 0.3329450	total: 770ms	remaining: 798ms
491:	learn: 0.3329159	total: 773ms	remaining: 798ms
492:	learn: 0.3328135	total: 774ms	remaining: 796ms
493:	learn: 0.3327285	total: 776ms	remaining: 795ms
494:	learn: 0.3326645	total: 777ms	remaining: 793ms
495:	learn: 0.3325003	total: 779ms	remaining: 791ms
496:	learn: 0.3324850	total: 780ms	remaining: 789ms
497:	learn: 0.3324210	total: 782ms	remaining: 788ms
498:	learn: 0.3322653	total: 783ms	remaining: 786ms
499:	learn: 0.3321162	total: 784ms	remaining: 784ms
500:	learn: 0.3320162	total: 787ms	remaining: 784ms
501:	learn: 0.3319293	total: 789ms	remaining: 783ms
502:	learn: 0.3317505	total: 792ms	remaining: 782ms
503:	learn: 0.3316376	total: 794ms	remaining: 781ms
504:	learn: 0.3316295	total: 795ms	remaining: 780ms
505:	learn: 0.3313938	total: 797ms	remaining: 778ms
506:	learn: 0.3313168	total: 799ms	remaining: 777ms
507:	learn: 0.3312279	total: 800ms	remaining: 775ms
508:	learn: 0.3310120	total: 802ms	remaining: 774ms
509:	learn: 0.3308662	total: 804ms	remaining: 772ms
510:	learn: 0.3305525	total: 805ms	remaining: 771ms
511:	learn: 0.3304625	total: 807ms	remaining: 769ms
512:	learn: 0.3303507	total: 809ms	remaining: 768ms
513:	learn: 0.3302794	total: 811ms	remaining: 766ms
514:	learn: 0.3302463	total: 812ms	remaining: 765ms
515:	learn: 0.3301367	total: 814ms	remaining: 764ms
516:	learn: 0.3298643	total: 816ms	remaining: 762ms
517:	learn: 0.3298586	total: 817ms	remaining: 760ms
518:	learn: 0.3297262	total: 819ms	remaining: 759ms
519:	learn: 0.3296972	total: 821ms	remaining: 758ms
520:	learn: 0.3295858	total: 823ms	remaining: 756ms
521:	learn: 0.3294480	total: 824ms	remaining: 755ms
522:	learn: 0.3293228	total: 826ms	remaining: 753ms
523:	learn: 0.3293031	total: 827ms	remaining: 751ms
524:	learn: 0.3292131	total: 828ms	remaining: 749ms
525:	learn: 0.3291158	total: 830ms	remaining: 748ms
526:	learn: 0.3290173	total: 831ms	remaining: 746ms
527:	learn: 0.3288350	total: 833ms	remaining: 745ms
528:	learn: 0.3287469	total: 835ms	remaining: 743ms
529:	learn: 0.3285374	total: 836ms	remaining: 742ms
530:	learn: 0.3283814	total: 838ms	remaining: 740ms
531:	learn: 0.3282747	total: 839ms	remaining: 738ms
532:	learn: 0.3282501	total: 841ms	remaining: 737ms
533:	learn: 0.3281433	total: 842ms	remaining: 735ms
534:	learn: 0.3280306	total: 843ms	remaining: 733ms
535:	learn: 0.3278879	total: 845ms	remaining: 731ms
536:	learn: 0.3277870	total: 846ms	remaining: 729ms
537:	learn: 0.3277145	total: 847ms	remaining: 728ms
538:	learn: 0.3275306	total: 849ms	remaining: 726ms
539:	learn: 0.3275305	total: 850ms	remaining: 724ms
540:	learn: 0.3274680	total: 851ms	remaining: 722ms
541:	learn: 0.3274258	total: 852ms	remaining: 720ms
542:	learn: 0.3271847	total: 854ms	remaining: 719ms
543:	learn: 0.3271456	total: 857ms	remaining: 718ms
544:	learn: 0.3269760	total: 860ms	remaining: 718ms
545:	learn: 0.3268874	total: 862ms	remaining: 717ms
546:	learn: 0.3268094	total: 864ms	remaining: 715ms
547:	learn: 0.3266395	total: 865ms	remaining: 714ms
548:	learn: 0.3265359	total: 867ms	remaining: 713ms
549:	learn: 0.3264781	total: 869ms	remaining: 711ms
550:	learn: 0.3262615	total: 870ms	remaining: 709ms
551:	learn: 0.3260501	total: 872ms	remaining: 708ms
552:	learn: 0.3259359	total: 874ms	remaining: 706ms
553:	learn: 0.3258632	total: 875ms	remaining: 705ms
554:	learn: 0.3257700	total: 876ms	remaining: 703ms
555:	learn: 0.3257540	total: 878ms	remaining: 701ms
556:	learn: 0.3256894	total: 879ms	remaining: 699ms
557:	learn: 0.3255900	total: 881ms	remaining: 698ms
558:	learn: 0.3255025	total: 882ms	remaining: 696ms
559:	learn: 0.3254100	total: 884ms	remaining: 694ms
560:	learn: 0.3254050	total: 885ms	remaining: 692ms
561:	learn: 0.3253914	total: 886ms	remaining: 691ms
562:	learn: 0.3253352	total: 888ms	remaining: 689ms
563:	learn: 0.3252664	total: 890ms	remaining: 688ms
564:	learn: 0.3251637	total: 891ms	remaining: 686ms
565:	learn: 0.3251211	total: 893ms	remaining: 685ms
566:	learn: 0.3250151	total: 894ms	remaining: 683ms
567:	learn: 0.3249096	total: 896ms	remaining: 681ms
568:	learn: 0.3248082	total: 898ms	remaining: 680ms
569:	learn: 0.3246733	total: 899ms	remaining: 678ms
570:	learn: 0.3246154	total: 901ms	remaining: 677ms
571:	learn: 0.3245196	total: 902ms	remaining: 675ms
572:	learn: 0.3244366	total: 903ms	remaining: 673ms
573:	learn: 0.3243011	total: 905ms	remaining: 671ms
574:	learn: 0.3242547	total: 906ms	remaining: 670ms
575:	learn: 0.3242296	total: 907ms	remaining: 668ms
576:	learn: 0.3240833	total: 909ms	remaining: 666ms
577:	learn: 0.3240053	total: 910ms	remaining: 665ms
578:	learn: 0.3238878	total: 912ms	remaining: 663ms
579:	learn: 0.3237529	total: 914ms	remaining: 662ms
580:	learn: 0.3236458	total: 916ms	remaining: 661ms
581:	learn: 0.3235333	total: 918ms	remaining: 659ms
582:	learn: 0.3234297	total: 919ms	remaining: 657ms
583:	learn: 0.3232812	total: 920ms	remaining: 656ms
584:	learn: 0.3232256	total: 922ms	remaining: 654ms
585:	learn: 0.3231351	total: 924ms	remaining: 652ms
586:	learn: 0.3230974	total: 925ms	remaining: 650ms
587:	learn: 0.3230454	total: 926ms	remaining: 649ms
588:	learn: 0.3230137	total: 927ms	remaining: 647ms
589:	learn: 0.3228901	total: 929ms	remaining: 645ms
590:	learn: 0.3228568	total: 930ms	remaining: 644ms
591:	learn: 0.3227793	total: 932ms	remaining: 642ms
592:	learn: 0.3226644	total: 933ms	remaining: 640ms
593:	learn: 0.3225506	total: 934ms	remaining: 638ms
594:	learn: 0.3225085	total: 936ms	remaining: 637ms
595:	learn: 0.3224608	total: 937ms	remaining: 635ms
596:	learn: 0.3223198	total: 938ms	remaining: 633ms
597:	learn: 0.3221466	total: 939ms	remaining: 631ms
598:	learn: 0.3220943	total: 941ms	remaining: 630ms
599:	learn: 0.3220075	total: 942ms	remaining: 628ms
600:	learn: 0.3217828	total: 944ms	remaining: 626ms
601:	learn: 0.3217413	total: 945ms	remaining: 625ms
602:	learn: 0.3216604	total: 946ms	remaining: 623ms
603:	learn: 0.3216032	total: 947ms	remaining: 621ms
604:	learn: 0.3214672	total: 949ms	remaining: 619ms
605:	learn: 0.3213510	total: 952ms	remaining: 619ms
606:	learn: 0.3212864	total: 953ms	remaining: 617ms
607:	learn: 0.3212437	total: 955ms	remaining: 616ms
608:	learn: 0.3212014	total: 956ms	remaining: 614ms
609:	learn: 0.3211150	total: 958ms	remaining: 613ms
610:	learn: 0.3210063	total: 960ms	remaining: 611ms
611:	learn: 0.3209806	total: 962ms	remaining: 610ms
612:	learn: 0.3208646	total: 964ms	remaining: 608ms
613:	learn: 0.3207391	total: 965ms	remaining: 607ms
614:	learn: 0.3206106	total: 967ms	remaining: 605ms
615:	learn: 0.3205389	total: 968ms	remaining: 604ms
616:	learn: 0.3204645	total: 970ms	remaining: 602ms
617:	learn: 0.3204437	total: 971ms	remaining: 600ms
618:	learn: 0.3202870	total: 972ms	remaining: 598ms
619:	learn: 0.3201929	total: 974ms	remaining: 597ms
620:	learn: 0.3199764	total: 976ms	remaining: 595ms
621:	learn: 0.3199100	total: 977ms	remaining: 594ms
622:	learn: 0.3198105	total: 978ms	remaining: 592ms
623:	learn: 0.3196813	total: 980ms	remaining: 591ms
624:	learn: 0.3194939	total: 982ms	remaining: 589ms
625:	learn: 0.3194648	total: 983ms	remaining: 587ms
626:	learn: 0.3192705	total: 984ms	remaining: 586ms
627:	learn: 0.3192357	total: 986ms	remaining: 584ms
628:	learn: 0.3191291	total: 987ms	remaining: 582ms
629:	learn: 0.3190628	total: 989ms	remaining: 581ms
630:	learn: 0.3189385	total: 990ms	remaining: 579ms
631:	learn: 0.3188415	total: 992ms	remaining: 578ms
632:	learn: 0.3187952	total: 994ms	remaining: 576ms
633:	learn: 0.3187265	total: 995ms	remaining: 574ms
634:	learn: 0.3185328	total: 997ms	remaining: 573ms
635:	learn: 0.3184749	total: 998ms	remaining: 571ms
636:	learn: 0.3183867	total: 1000ms	remaining: 570ms
637:	learn: 0.3183001	total: 1s	remaining: 568ms
638:	learn: 0.3180271	total: 1s	remaining: 566ms
639:	learn: 0.3179299	total: 1s	remaining: 565ms
640:	learn: 0.3179117	total: 1s	remaining: 563ms
641:	learn: 0.3177787	total: 1.01s	remaining: 562ms
642:	learn: 0.3176727	total: 1.01s	remaining: 560ms
643:	learn: 0.3175724	total: 1.01s	remaining: 559ms
644:	learn: 0.3175096	total: 1.01s	remaining: 557ms
645:	learn: 0.3174377	total: 1.01s	remaining: 555ms
646:	learn: 0.3174029	total: 1.01s	remaining: 554ms
647:	learn: 0.3172355	total: 1.02s	remaining: 552ms
648:	learn: 0.3169032	total: 1.02s	remaining: 550ms
649:	learn: 0.3167119	total: 1.02s	remaining: 549ms
650:	learn: 0.3166101	total: 1.02s	remaining: 547ms
651:	learn: 0.3164860	total: 1.02s	remaining: 545ms
652:	learn: 0.3164388	total: 1.02s	remaining: 544ms
653:	learn: 0.3163851	total: 1.02s	remaining: 542ms
654:	learn: 0.3162930	total: 1.03s	remaining: 541ms
655:	learn: 0.3161870	total: 1.03s	remaining: 539ms
656:	learn: 0.3160821	total: 1.03s	remaining: 538ms
657:	learn: 0.3160352	total: 1.03s	remaining: 536ms
658:	learn: 0.3159852	total: 1.03s	remaining: 535ms
659:	learn: 0.3159078	total: 1.03s	remaining: 533ms
660:	learn: 0.3158723	total: 1.04s	remaining: 531ms
661:	learn: 0.3156920	total: 1.04s	remaining: 530ms
662:	learn: 0.3155956	total: 1.04s	remaining: 530ms
663:	learn: 0.3154370	total: 1.04s	remaining: 528ms
664:	learn: 0.3153638	total: 1.04s	remaining: 526ms
665:	learn: 0.3152225	total: 1.05s	remaining: 525ms
666:	learn: 0.3151336	total: 1.05s	remaining: 523ms
667:	learn: 0.3150695	total: 1.05s	remaining: 522ms
668:	learn: 0.3149700	total: 1.05s	remaining: 520ms
669:	learn: 0.3148840	total: 1.05s	remaining: 518ms
670:	learn: 0.3147541	total: 1.05s	remaining: 517ms
671:	learn: 0.3146347	total: 1.05s	remaining: 515ms
672:	learn: 0.3145199	total: 1.06s	remaining: 513ms
673:	learn: 0.3143888	total: 1.06s	remaining: 512ms
674:	learn: 0.3143225	total: 1.06s	remaining: 510ms
675:	learn: 0.3142132	total: 1.06s	remaining: 508ms
676:	learn: 0.3141869	total: 1.06s	remaining: 507ms
677:	learn: 0.3141410	total: 1.06s	remaining: 505ms
678:	learn: 0.3140751	total: 1.06s	remaining: 504ms
679:	learn: 0.3140031	total: 1.07s	remaining: 502ms
680:	learn: 0.3139123	total: 1.07s	remaining: 501ms
681:	learn: 0.3137991	total: 1.07s	remaining: 499ms
682:	learn: 0.3137731	total: 1.07s	remaining: 498ms
683:	learn: 0.3137138	total: 1.07s	remaining: 496ms
684:	learn: 0.3136368	total: 1.07s	remaining: 495ms
685:	learn: 0.3136173	total: 1.08s	remaining: 493ms
686:	learn: 0.3134727	total: 1.08s	remaining: 492ms
687:	learn: 0.3133018	total: 1.08s	remaining: 490ms
688:	learn: 0.3132586	total: 1.08s	remaining: 489ms
689:	learn: 0.3131867	total: 1.08s	remaining: 487ms
690:	learn: 0.3129935	total: 1.08s	remaining: 485ms
691:	learn: 0.3129693	total: 1.09s	remaining: 484ms
692:	learn: 0.3129119	total: 1.09s	remaining: 482ms
693:	learn: 0.3128417	total: 1.09s	remaining: 481ms
694:	learn: 0.3127152	total: 1.09s	remaining: 479ms
695:	learn: 0.3126563	total: 1.09s	remaining: 477ms
696:	learn: 0.3125676	total: 1.09s	remaining: 476ms
697:	learn: 0.3125223	total: 1.1s	remaining: 474ms
698:	learn: 0.3124779	total: 1.1s	remaining: 473ms
699:	learn: 0.3122849	total: 1.1s	remaining: 472ms
700:	learn: 0.3121980	total: 1.1s	remaining: 470ms
701:	learn: 0.3119794	total: 1.1s	remaining: 469ms
702:	learn: 0.3119065	total: 1.1s	remaining: 467ms
703:	learn: 0.3118456	total: 1.11s	remaining: 466ms
704:	learn: 0.3117287	total: 1.11s	remaining: 465ms
705:	learn: 0.3116808	total: 1.11s	remaining: 463ms
706:	learn: 0.3115955	total: 1.11s	remaining: 462ms
707:	learn: 0.3115123	total: 1.12s	remaining: 460ms
708:	learn: 0.3114086	total: 1.12s	remaining: 459ms
709:	learn: 0.3112369	total: 1.12s	remaining: 458ms
710:	learn: 0.3111871	total: 1.12s	remaining: 456ms
711:	learn: 0.3111575	total: 1.12s	remaining: 454ms
712:	learn: 0.3109284	total: 1.13s	remaining: 453ms
713:	learn: 0.3108529	total: 1.13s	remaining: 451ms
714:	learn: 0.3107200	total: 1.13s	remaining: 450ms
715:	learn: 0.3106043	total: 1.13s	remaining: 448ms
716:	learn: 0.3104635	total: 1.13s	remaining: 447ms
717:	learn: 0.3104580	total: 1.13s	remaining: 445ms
718:	learn: 0.3103282	total: 1.14s	remaining: 444ms
719:	learn: 0.3102711	total: 1.14s	remaining: 442ms
720:	learn: 0.3100958	total: 1.14s	remaining: 440ms
721:	learn: 0.3100014	total: 1.14s	remaining: 439ms
722:	learn: 0.3098688	total: 1.14s	remaining: 437ms
723:	learn: 0.3097618	total: 1.14s	remaining: 436ms
724:	learn: 0.3097014	total: 1.15s	remaining: 434ms
725:	learn: 0.3096103	total: 1.15s	remaining: 433ms
726:	learn: 0.3094807	total: 1.15s	remaining: 431ms
727:	learn: 0.3093679	total: 1.15s	remaining: 430ms
728:	learn: 0.3093103	total: 1.15s	remaining: 428ms
729:	learn: 0.3091960	total: 1.15s	remaining: 426ms
730:	learn: 0.3091302	total: 1.15s	remaining: 425ms
731:	learn: 0.3089784	total: 1.16s	remaining: 423ms
732:	learn: 0.3088929	total: 1.16s	remaining: 422ms
733:	learn: 0.3088708	total: 1.16s	remaining: 420ms
734:	learn: 0.3088199	total: 1.16s	remaining: 419ms
735:	learn: 0.3086947	total: 1.17s	remaining: 418ms
736:	learn: 0.3086439	total: 1.17s	remaining: 416ms
737:	learn: 0.3084598	total: 1.17s	remaining: 415ms
738:	learn: 0.3083291	total: 1.17s	remaining: 414ms
739:	learn: 0.3082233	total: 1.17s	remaining: 412ms
740:	learn: 0.3081775	total: 1.17s	remaining: 411ms
741:	learn: 0.3078753	total: 1.18s	remaining: 409ms
742:	learn: 0.3078064	total: 1.18s	remaining: 408ms
743:	learn: 0.3077601	total: 1.18s	remaining: 406ms
744:	learn: 0.3076994	total: 1.18s	remaining: 404ms
745:	learn: 0.3075686	total: 1.18s	remaining: 403ms
746:	learn: 0.3074945	total: 1.18s	remaining: 401ms
747:	learn: 0.3073620	total: 1.19s	remaining: 400ms
748:	learn: 0.3072325	total: 1.19s	remaining: 398ms
749:	learn: 0.3071529	total: 1.19s	remaining: 397ms
750:	learn: 0.3070762	total: 1.19s	remaining: 395ms
751:	learn: 0.3070312	total: 1.19s	remaining: 394ms
752:	learn: 0.3068895	total: 1.2s	remaining: 392ms
753:	learn: 0.3067622	total: 1.2s	remaining: 390ms
754:	learn: 0.3067245	total: 1.2s	remaining: 389ms
755:	learn: 0.3066409	total: 1.2s	remaining: 387ms
756:	learn: 0.3065950	total: 1.2s	remaining: 386ms
757:	learn: 0.3065289	total: 1.21s	remaining: 385ms
758:	learn: 0.3063719	total: 1.21s	remaining: 383ms
759:	learn: 0.3062620	total: 1.21s	remaining: 382ms
760:	learn: 0.3060592	total: 1.21s	remaining: 380ms
761:	learn: 0.3059408	total: 1.21s	remaining: 378ms
762:	learn: 0.3059048	total: 1.21s	remaining: 377ms
763:	learn: 0.3058575	total: 1.22s	remaining: 376ms
764:	learn: 0.3057421	total: 1.22s	remaining: 374ms
765:	learn: 0.3056756	total: 1.22s	remaining: 373ms
766:	learn: 0.3055682	total: 1.22s	remaining: 371ms
767:	learn: 0.3055086	total: 1.22s	remaining: 370ms
768:	learn: 0.3054382	total: 1.23s	remaining: 368ms
769:	learn: 0.3053424	total: 1.23s	remaining: 367ms
770:	learn: 0.3052256	total: 1.23s	remaining: 365ms
771:	learn: 0.3051605	total: 1.23s	remaining: 364ms
772:	learn: 0.3050168	total: 1.23s	remaining: 362ms
773:	learn: 0.3049022	total: 1.24s	remaining: 361ms
774:	learn: 0.3046861	total: 1.24s	remaining: 359ms
775:	learn: 0.3046654	total: 1.24s	remaining: 358ms
776:	learn: 0.3046018	total: 1.24s	remaining: 356ms
777:	learn: 0.3045091	total: 1.24s	remaining: 354ms
778:	learn: 0.3044193	total: 1.24s	remaining: 353ms
779:	learn: 0.3043824	total: 1.25s	remaining: 351ms
780:	learn: 0.3042647	total: 1.25s	remaining: 350ms
781:	learn: 0.3040299	total: 1.25s	remaining: 348ms
782:	learn: 0.3040038	total: 1.25s	remaining: 347ms
783:	learn: 0.3037923	total: 1.25s	remaining: 345ms
784:	learn: 0.3035388	total: 1.25s	remaining: 344ms
785:	learn: 0.3034845	total: 1.26s	remaining: 343ms
786:	learn: 0.3033105	total: 1.26s	remaining: 342ms
787:	learn: 0.3032863	total: 1.26s	remaining: 340ms
788:	learn: 0.3031052	total: 1.27s	remaining: 339ms
789:	learn: 0.3030154	total: 1.27s	remaining: 337ms
790:	learn: 0.3028564	total: 1.27s	remaining: 335ms
791:	learn: 0.3026861	total: 1.27s	remaining: 334ms
792:	learn: 0.3026243	total: 1.27s	remaining: 332ms
793:	learn: 0.3025734	total: 1.27s	remaining: 331ms
794:	learn: 0.3023428	total: 1.28s	remaining: 329ms
795:	learn: 0.3022051	total: 1.28s	remaining: 328ms
796:	learn: 0.3020884	total: 1.28s	remaining: 326ms
797:	learn: 0.3019426	total: 1.28s	remaining: 324ms
798:	learn: 0.3018082	total: 1.28s	remaining: 323ms
799:	learn: 0.3015487	total: 1.28s	remaining: 321ms
800:	learn: 0.3014664	total: 1.29s	remaining: 320ms
801:	learn: 0.3013822	total: 1.29s	remaining: 318ms
802:	learn: 0.3012479	total: 1.29s	remaining: 316ms
803:	learn: 0.3011318	total: 1.29s	remaining: 315ms
804:	learn: 0.3010558	total: 1.29s	remaining: 313ms
805:	learn: 0.3008967	total: 1.29s	remaining: 312ms
806:	learn: 0.3008232	total: 1.3s	remaining: 310ms
807:	learn: 0.3006106	total: 1.3s	remaining: 308ms
808:	learn: 0.3004381	total: 1.3s	remaining: 307ms
809:	learn: 0.3003495	total: 1.3s	remaining: 305ms
810:	learn: 0.3002341	total: 1.3s	remaining: 304ms
811:	learn: 0.3000992	total: 1.3s	remaining: 302ms
812:	learn: 0.3000331	total: 1.31s	remaining: 301ms
813:	learn: 0.2999409	total: 1.31s	remaining: 299ms
814:	learn: 0.2998932	total: 1.31s	remaining: 297ms
815:	learn: 0.2997953	total: 1.31s	remaining: 296ms
816:	learn: 0.2996666	total: 1.31s	remaining: 294ms
817:	learn: 0.2995889	total: 1.31s	remaining: 293ms
818:	learn: 0.2993859	total: 1.32s	remaining: 291ms
819:	learn: 0.2992235	total: 1.32s	remaining: 290ms
820:	learn: 0.2990963	total: 1.32s	remaining: 288ms
821:	learn: 0.2989587	total: 1.32s	remaining: 286ms
822:	learn: 0.2989204	total: 1.32s	remaining: 285ms
823:	learn: 0.2986913	total: 1.32s	remaining: 283ms
824:	learn: 0.2985928	total: 1.33s	remaining: 282ms
825:	learn: 0.2984129	total: 1.33s	remaining: 280ms
826:	learn: 0.2981823	total: 1.33s	remaining: 279ms
827:	learn: 0.2981076	total: 1.33s	remaining: 277ms
828:	learn: 0.2979995	total: 1.34s	remaining: 276ms
829:	learn: 0.2979882	total: 1.34s	remaining: 274ms
830:	learn: 0.2978561	total: 1.34s	remaining: 272ms
831:	learn: 0.2978098	total: 1.34s	remaining: 271ms
832:	learn: 0.2977222	total: 1.34s	remaining: 269ms
833:	learn: 0.2976653	total: 1.34s	remaining: 268ms
834:	learn: 0.2976096	total: 1.34s	remaining: 266ms
835:	learn: 0.2975586	total: 1.35s	remaining: 264ms
836:	learn: 0.2973637	total: 1.35s	remaining: 263ms
837:	learn: 0.2973013	total: 1.35s	remaining: 261ms
838:	learn: 0.2971877	total: 1.35s	remaining: 260ms
839:	learn: 0.2971159	total: 1.35s	remaining: 258ms
840:	learn: 0.2970226	total: 1.35s	remaining: 256ms
841:	learn: 0.2969026	total: 1.36s	remaining: 255ms
842:	learn: 0.2968614	total: 1.36s	remaining: 253ms
843:	learn: 0.2967497	total: 1.36s	remaining: 251ms
844:	learn: 0.2964618	total: 1.36s	remaining: 250ms
845:	learn: 0.2963867	total: 1.36s	remaining: 248ms
846:	learn: 0.2962326	total: 1.36s	remaining: 247ms
847:	learn: 0.2961894	total: 1.37s	remaining: 245ms
848:	learn: 0.2961348	total: 1.37s	remaining: 243ms
849:	learn: 0.2960599	total: 1.37s	remaining: 242ms
850:	learn: 0.2959284	total: 1.37s	remaining: 240ms
851:	learn: 0.2958045	total: 1.37s	remaining: 239ms
852:	learn: 0.2956923	total: 1.38s	remaining: 237ms
853:	learn: 0.2956400	total: 1.38s	remaining: 235ms
854:	learn: 0.2955586	total: 1.38s	remaining: 234ms
855:	learn: 0.2955036	total: 1.38s	remaining: 232ms
856:	learn: 0.2953912	total: 1.38s	remaining: 231ms
857:	learn: 0.2951286	total: 1.38s	remaining: 229ms
858:	learn: 0.2948849	total: 1.39s	remaining: 227ms
859:	learn: 0.2948177	total: 1.39s	remaining: 226ms
860:	learn: 0.2947008	total: 1.39s	remaining: 224ms
861:	learn: 0.2946270	total: 1.39s	remaining: 223ms
862:	learn: 0.2944653	total: 1.39s	remaining: 221ms
863:	learn: 0.2944124	total: 1.39s	remaining: 219ms
864:	learn: 0.2943001	total: 1.39s	remaining: 218ms
865:	learn: 0.2940991	total: 1.4s	remaining: 216ms
866:	learn: 0.2940367	total: 1.4s	remaining: 214ms
867:	learn: 0.2940124	total: 1.4s	remaining: 213ms
868:	learn: 0.2939354	total: 1.4s	remaining: 211ms
869:	learn: 0.2938886	total: 1.4s	remaining: 209ms
870:	learn: 0.2938123	total: 1.4s	remaining: 208ms
871:	learn: 0.2937345	total: 1.41s	remaining: 206ms
872:	learn: 0.2936818	total: 1.41s	remaining: 205ms
873:	learn: 0.2936051	total: 1.41s	remaining: 203ms
874:	learn: 0.2934713	total: 1.41s	remaining: 202ms
875:	learn: 0.2933896	total: 1.41s	remaining: 200ms
876:	learn: 0.2933527	total: 1.42s	remaining: 198ms
877:	learn: 0.2931135	total: 1.42s	remaining: 197ms
878:	learn: 0.2930718	total: 1.42s	remaining: 195ms
879:	learn: 0.2929925	total: 1.42s	remaining: 194ms
880:	learn: 0.2929322	total: 1.42s	remaining: 192ms
881:	learn: 0.2928890	total: 1.43s	remaining: 191ms
882:	learn: 0.2928421	total: 1.43s	remaining: 189ms
883:	learn: 0.2926685	total: 1.43s	remaining: 188ms
884:	learn: 0.2926397	total: 1.43s	remaining: 186ms
885:	learn: 0.2925845	total: 1.43s	remaining: 184ms
886:	learn: 0.2925255	total: 1.44s	remaining: 183ms
887:	learn: 0.2923931	total: 1.44s	remaining: 181ms
888:	learn: 0.2923175	total: 1.44s	remaining: 180ms
889:	learn: 0.2921866	total: 1.44s	remaining: 178ms
890:	learn: 0.2920952	total: 1.44s	remaining: 176ms
891:	learn: 0.2920057	total: 1.44s	remaining: 175ms
892:	learn: 0.2919761	total: 1.45s	remaining: 173ms
893:	learn: 0.2917063	total: 1.45s	remaining: 172ms
894:	learn: 0.2915896	total: 1.45s	remaining: 170ms
895:	learn: 0.2915334	total: 1.45s	remaining: 168ms
896:	learn: 0.2914824	total: 1.45s	remaining: 167ms
897:	learn: 0.2913352	total: 1.46s	remaining: 165ms
898:	learn: 0.2912859	total: 1.46s	remaining: 164ms
899:	learn: 0.2911065	total: 1.46s	remaining: 162ms
900:	learn: 0.2910385	total: 1.46s	remaining: 161ms
901:	learn: 0.2909672	total: 1.46s	remaining: 159ms
902:	learn: 0.2908888	total: 1.46s	remaining: 157ms
903:	learn: 0.2907228	total: 1.47s	remaining: 156ms
904:	learn: 0.2905460	total: 1.47s	remaining: 154ms
905:	learn: 0.2904941	total: 1.47s	remaining: 152ms
906:	learn: 0.2903619	total: 1.47s	remaining: 151ms
907:	learn: 0.2902889	total: 1.47s	remaining: 149ms
908:	learn: 0.2902095	total: 1.47s	remaining: 147ms
909:	learn: 0.2901443	total: 1.48s	remaining: 146ms
910:	learn: 0.2900443	total: 1.48s	remaining: 144ms
911:	learn: 0.2899876	total: 1.48s	remaining: 143ms
912:	learn: 0.2899197	total: 1.48s	remaining: 141ms
913:	learn: 0.2898528	total: 1.48s	remaining: 139ms
914:	learn: 0.2897955	total: 1.48s	remaining: 138ms
915:	learn: 0.2897279	total: 1.49s	remaining: 136ms
916:	learn: 0.2896754	total: 1.49s	remaining: 135ms
917:	learn: 0.2895717	total: 1.49s	remaining: 133ms
918:	learn: 0.2894298	total: 1.49s	remaining: 131ms
919:	learn: 0.2893607	total: 1.49s	remaining: 130ms
920:	learn: 0.2892646	total: 1.49s	remaining: 128ms
921:	learn: 0.2891948	total: 1.5s	remaining: 126ms
922:	learn: 0.2889345	total: 1.5s	remaining: 125ms
923:	learn: 0.2888403	total: 1.5s	remaining: 123ms
924:	learn: 0.2887971	total: 1.5s	remaining: 122ms
925:	learn: 0.2887350	total: 1.5s	remaining: 120ms
926:	learn: 0.2886716	total: 1.5s	remaining: 118ms
927:	learn: 0.2886243	total: 1.5s	remaining: 117ms
928:	learn: 0.2885561	total: 1.5s	remaining: 115ms
929:	learn: 0.2885347	total: 1.51s	remaining: 113ms
930:	learn: 0.2884921	total: 1.51s	remaining: 112ms
931:	learn: 0.2884322	total: 1.51s	remaining: 110ms
932:	learn: 0.2882774	total: 1.51s	remaining: 109ms
933:	learn: 0.2882053	total: 1.51s	remaining: 107ms
934:	learn: 0.2881687	total: 1.51s	remaining: 105ms
935:	learn: 0.2880939	total: 1.52s	remaining: 104ms
936:	learn: 0.2880009	total: 1.52s	remaining: 102ms
937:	learn: 0.2879437	total: 1.52s	remaining: 100ms
938:	learn: 0.2878330	total: 1.52s	remaining: 98.8ms
939:	learn: 0.2878206	total: 1.52s	remaining: 97.2ms
940:	learn: 0.2876418	total: 1.52s	remaining: 95.5ms
941:	learn: 0.2875530	total: 1.52s	remaining: 93.9ms
942:	learn: 0.2873897	total: 1.53s	remaining: 92.2ms
943:	learn: 0.2873269	total: 1.53s	remaining: 90.6ms
944:	learn: 0.2872807	total: 1.53s	remaining: 89ms
945:	learn: 0.2871552	total: 1.53s	remaining: 87.4ms
946:	learn: 0.2870853	total: 1.53s	remaining: 85.8ms
947:	learn: 0.2870130	total: 1.53s	remaining: 84.2ms
948:	learn: 0.2869247	total: 1.54s	remaining: 82.6ms
949:	learn: 0.2868866	total: 1.54s	remaining: 81ms
950:	learn: 0.2868129	total: 1.54s	remaining: 79.3ms
951:	learn: 0.2866944	total: 1.54s	remaining: 77.7ms
952:	learn: 0.2866486	total: 1.54s	remaining: 76.1ms
953:	learn: 0.2864803	total: 1.54s	remaining: 74.5ms
954:	learn: 0.2864136	total: 1.55s	remaining: 72.9ms
955:	learn: 0.2862728	total: 1.55s	remaining: 71.3ms
956:	learn: 0.2862239	total: 1.55s	remaining: 69.7ms
957:	learn: 0.2861472	total: 1.55s	remaining: 68.1ms
958:	learn: 0.2861062	total: 1.55s	remaining: 66.4ms
959:	learn: 0.2859993	total: 1.55s	remaining: 64.8ms
960:	learn: 0.2859089	total: 1.56s	remaining: 63.2ms
961:	learn: 0.2856823	total: 1.56s	remaining: 61.6ms
962:	learn: 0.2856197	total: 1.56s	remaining: 60ms
963:	learn: 0.2855463	total: 1.56s	remaining: 58.4ms
964:	learn: 0.2855192	total: 1.56s	remaining: 56.7ms
965:	learn: 0.2854258	total: 1.56s	remaining: 55.1ms
966:	learn: 0.2853525	total: 1.57s	remaining: 53.5ms
967:	learn: 0.2853066	total: 1.57s	remaining: 51.8ms
968:	learn: 0.2852359	total: 1.57s	remaining: 50.2ms
969:	learn: 0.2850086	total: 1.57s	remaining: 48.6ms
970:	learn: 0.2849521	total: 1.57s	remaining: 47ms
971:	learn: 0.2848553	total: 1.57s	remaining: 45.4ms
972:	learn: 0.2848037	total: 1.58s	remaining: 43.7ms
973:	learn: 0.2847295	total: 1.58s	remaining: 42.1ms
974:	learn: 0.2846819	total: 1.58s	remaining: 40.5ms
975:	learn: 0.2846198	total: 1.58s	remaining: 38.9ms
976:	learn: 0.2845671	total: 1.58s	remaining: 37.3ms
977:	learn: 0.2844993	total: 1.58s	remaining: 35.6ms
978:	learn: 0.2843743	total: 1.59s	remaining: 34ms
979:	learn: 0.2843128	total: 1.59s	remaining: 32.4ms
980:	learn: 0.2840623	total: 1.59s	remaining: 30.8ms
981:	learn: 0.2840514	total: 1.59s	remaining: 29.1ms
982:	learn: 0.2840145	total: 1.59s	remaining: 27.5ms
983:	learn: 0.2839967	total: 1.59s	remaining: 25.9ms
984:	learn: 0.2838395	total: 1.6s	remaining: 24.3ms
985:	learn: 0.2837598	total: 1.6s	remaining: 22.7ms
986:	learn: 0.2837132	total: 1.6s	remaining: 21.1ms
987:	learn: 0.2836889	total: 1.6s	remaining: 19.5ms
988:	learn: 0.2836337	total: 1.6s	remaining: 17.8ms
989:	learn: 0.2833141	total: 1.6s	remaining: 16.2ms
990:	learn: 0.2832138	total: 1.61s	remaining: 14.6ms
991:	learn: 0.2831989	total: 1.61s	remaining: 13ms
992:	learn: 0.2829877	total: 1.61s	remaining: 11.4ms
993:	learn: 0.2829547	total: 1.61s	remaining: 9.73ms
994:	learn: 0.2828232	total: 1.61s	remaining: 8.11ms
995:	learn: 0.2827713	total: 1.61s	remaining: 6.48ms
996:	learn: 0.2827584	total: 1.62s	remaining: 4.86ms
997:	learn: 0.2827028	total: 1.62s	remaining: 3.24ms
998:	learn: 0.2826194	total: 1.62s	remaining: 1.62ms
999:	learn: 0.2825716	total: 1.62s	remaining: 0us
Learning rate set to 0.009376
0:	learn: 0.6868865	total: 995us	remaining: 994ms
1:	learn: 0.6832344	total: 1.74ms	remaining: 867ms
2:	learn: 0.6777161	total: 2.81ms	remaining: 935ms
3:	learn: 0.6719894	total: 3.81ms	remaining: 950ms
4:	learn: 0.6666797	total: 4.7ms	remaining: 936ms
5:	learn: 0.6611946	total: 5.95ms	remaining: 986ms
6:	learn: 0.6567689	total: 7.25ms	remaining: 1.03s
7:	learn: 0.6507545	total: 9.12ms	remaining: 1.13s
8:	learn: 0.6456411	total: 10.6ms	remaining: 1.17s
9:	learn: 0.6398495	total: 12.6ms	remaining: 1.25s
10:	learn: 0.6343829	total: 14.8ms	remaining: 1.33s
11:	learn: 0.6293421	total: 16.6ms	remaining: 1.36s
12:	learn: 0.6238549	total: 18.2ms	remaining: 1.38s
13:	learn: 0.6197061	total: 19.6ms	remaining: 1.38s
14:	learn: 0.6152307	total: 20.8ms	remaining: 1.36s
15:	learn: 0.6105013	total: 22ms	remaining: 1.35s
16:	learn: 0.6060289	total: 23.9ms	remaining: 1.38s
17:	learn: 0.6020764	total: 25.2ms	remaining: 1.37s
18:	learn: 0.5978575	total: 26.4ms	remaining: 1.36s
19:	learn: 0.5932484	total: 27.8ms	remaining: 1.36s
20:	learn: 0.5893215	total: 28.7ms	remaining: 1.34s
21:	learn: 0.5851092	total: 30.2ms	remaining: 1.34s
22:	learn: 0.5817521	total: 31ms	remaining: 1.32s
23:	learn: 0.5783110	total: 31.8ms	remaining: 1.29s
24:	learn: 0.5744891	total: 33.5ms	remaining: 1.31s
25:	learn: 0.5713755	total: 34.4ms	remaining: 1.29s
26:	learn: 0.5681602	total: 35.7ms	remaining: 1.29s
27:	learn: 0.5646303	total: 37.5ms	remaining: 1.3s
28:	learn: 0.5609593	total: 40.3ms	remaining: 1.35s
29:	learn: 0.5574178	total: 42ms	remaining: 1.36s
30:	learn: 0.5539396	total: 43.6ms	remaining: 1.36s
31:	learn: 0.5512109	total: 44.5ms	remaining: 1.34s
32:	learn: 0.5484864	total: 45.6ms	remaining: 1.34s
33:	learn: 0.5455501	total: 47.2ms	remaining: 1.34s
34:	learn: 0.5420643	total: 48.9ms	remaining: 1.35s
35:	learn: 0.5391452	total: 50.3ms	remaining: 1.35s
36:	learn: 0.5369878	total: 51.7ms	remaining: 1.35s
37:	learn: 0.5339692	total: 53.4ms	remaining: 1.35s
38:	learn: 0.5315328	total: 54.5ms	remaining: 1.34s
39:	learn: 0.5291227	total: 56.1ms	remaining: 1.34s
40:	learn: 0.5260875	total: 57.9ms	remaining: 1.35s
41:	learn: 0.5235804	total: 59.3ms	remaining: 1.35s
42:	learn: 0.5207680	total: 60.5ms	remaining: 1.35s
43:	learn: 0.5180863	total: 61.4ms	remaining: 1.33s
44:	learn: 0.5153066	total: 62.3ms	remaining: 1.32s
45:	learn: 0.5126480	total: 63.4ms	remaining: 1.31s
46:	learn: 0.5101284	total: 64.6ms	remaining: 1.31s
47:	learn: 0.5075470	total: 65.7ms	remaining: 1.3s
48:	learn: 0.5053253	total: 66.8ms	remaining: 1.29s
49:	learn: 0.5029296	total: 67.9ms	remaining: 1.29s
50:	learn: 0.5011376	total: 69.3ms	remaining: 1.29s
51:	learn: 0.4987913	total: 70.7ms	remaining: 1.29s
52:	learn: 0.4968810	total: 71.5ms	remaining: 1.28s
53:	learn: 0.4945649	total: 72.8ms	remaining: 1.27s
54:	learn: 0.4929788	total: 74.2ms	remaining: 1.27s
55:	learn: 0.4907337	total: 75.9ms	remaining: 1.28s
56:	learn: 0.4885653	total: 77.7ms	remaining: 1.28s
57:	learn: 0.4866361	total: 79.6ms	remaining: 1.29s
58:	learn: 0.4847099	total: 81.3ms	remaining: 1.3s
59:	learn: 0.4827315	total: 83.4ms	remaining: 1.31s
60:	learn: 0.4807343	total: 85.1ms	remaining: 1.31s
61:	learn: 0.4789536	total: 86.9ms	remaining: 1.31s
62:	learn: 0.4774879	total: 88.8ms	remaining: 1.32s
63:	learn: 0.4755451	total: 90.4ms	remaining: 1.32s
64:	learn: 0.4741494	total: 92.8ms	remaining: 1.33s
65:	learn: 0.4720601	total: 94.5ms	remaining: 1.34s
66:	learn: 0.4703599	total: 95.8ms	remaining: 1.33s
67:	learn: 0.4688478	total: 97.6ms	remaining: 1.34s
68:	learn: 0.4672364	total: 98.9ms	remaining: 1.33s
69:	learn: 0.4651851	total: 101ms	remaining: 1.33s
70:	learn: 0.4636605	total: 102ms	remaining: 1.34s
71:	learn: 0.4618878	total: 103ms	remaining: 1.33s
72:	learn: 0.4601870	total: 105ms	remaining: 1.33s
73:	learn: 0.4588052	total: 106ms	remaining: 1.33s
74:	learn: 0.4570467	total: 108ms	remaining: 1.34s
75:	learn: 0.4559565	total: 112ms	remaining: 1.36s
76:	learn: 0.4544084	total: 115ms	remaining: 1.38s
77:	learn: 0.4533607	total: 117ms	remaining: 1.38s
78:	learn: 0.4521723	total: 118ms	remaining: 1.38s
79:	learn: 0.4506973	total: 120ms	remaining: 1.38s
80:	learn: 0.4493612	total: 121ms	remaining: 1.37s
81:	learn: 0.4484291	total: 123ms	remaining: 1.37s
82:	learn: 0.4471849	total: 124ms	remaining: 1.37s
83:	learn: 0.4462136	total: 127ms	remaining: 1.38s
84:	learn: 0.4446593	total: 129ms	remaining: 1.39s
85:	learn: 0.4435303	total: 131ms	remaining: 1.39s
86:	learn: 0.4421544	total: 133ms	remaining: 1.4s
87:	learn: 0.4410065	total: 135ms	remaining: 1.4s
88:	learn: 0.4397311	total: 136ms	remaining: 1.39s
89:	learn: 0.4385367	total: 138ms	remaining: 1.39s
90:	learn: 0.4375670	total: 140ms	remaining: 1.4s
91:	learn: 0.4365242	total: 141ms	remaining: 1.39s
92:	learn: 0.4353319	total: 143ms	remaining: 1.4s
93:	learn: 0.4344239	total: 145ms	remaining: 1.4s
94:	learn: 0.4331873	total: 147ms	remaining: 1.4s
95:	learn: 0.4320096	total: 149ms	remaining: 1.4s
96:	learn: 0.4307776	total: 151ms	remaining: 1.4s
97:	learn: 0.4301817	total: 153ms	remaining: 1.41s
98:	learn: 0.4289484	total: 154ms	remaining: 1.4s
99:	learn: 0.4278984	total: 156ms	remaining: 1.4s
100:	learn: 0.4268334	total: 157ms	remaining: 1.4s
101:	learn: 0.4258849	total: 160ms	remaining: 1.41s
102:	learn: 0.4248854	total: 161ms	remaining: 1.4s
103:	learn: 0.4240424	total: 163ms	remaining: 1.4s
104:	learn: 0.4232328	total: 165ms	remaining: 1.41s
105:	learn: 0.4222054	total: 167ms	remaining: 1.41s
106:	learn: 0.4213988	total: 169ms	remaining: 1.41s
107:	learn: 0.4209715	total: 170ms	remaining: 1.41s
108:	learn: 0.4201731	total: 172ms	remaining: 1.41s
109:	learn: 0.4192426	total: 174ms	remaining: 1.41s
110:	learn: 0.4185889	total: 175ms	remaining: 1.4s
111:	learn: 0.4183019	total: 176ms	remaining: 1.39s
112:	learn: 0.4173340	total: 178ms	remaining: 1.4s
113:	learn: 0.4164223	total: 180ms	remaining: 1.4s
114:	learn: 0.4159228	total: 182ms	remaining: 1.4s
115:	learn: 0.4153835	total: 184ms	remaining: 1.4s
116:	learn: 0.4145623	total: 185ms	remaining: 1.4s
117:	learn: 0.4140508	total: 187ms	remaining: 1.39s
118:	learn: 0.4136068	total: 188ms	remaining: 1.39s
119:	learn: 0.4129104	total: 190ms	remaining: 1.39s
120:	learn: 0.4120456	total: 192ms	remaining: 1.39s
121:	learn: 0.4113431	total: 193ms	remaining: 1.39s
122:	learn: 0.4107716	total: 195ms	remaining: 1.39s
123:	learn: 0.4099918	total: 197ms	remaining: 1.39s
124:	learn: 0.4092784	total: 198ms	remaining: 1.39s
125:	learn: 0.4086786	total: 200ms	remaining: 1.38s
126:	learn: 0.4080991	total: 202ms	remaining: 1.39s
127:	learn: 0.4072752	total: 204ms	remaining: 1.39s
128:	learn: 0.4067714	total: 206ms	remaining: 1.39s
129:	learn: 0.4060493	total: 210ms	remaining: 1.41s
130:	learn: 0.4055276	total: 213ms	remaining: 1.41s
131:	learn: 0.4048630	total: 216ms	remaining: 1.42s
132:	learn: 0.4041728	total: 217ms	remaining: 1.42s
133:	learn: 0.4037014	total: 219ms	remaining: 1.42s
134:	learn: 0.4030358	total: 221ms	remaining: 1.42s
135:	learn: 0.4023344	total: 224ms	remaining: 1.42s
136:	learn: 0.4018977	total: 226ms	remaining: 1.42s
137:	learn: 0.4014289	total: 227ms	remaining: 1.42s
138:	learn: 0.4009396	total: 230ms	remaining: 1.42s
139:	learn: 0.4003782	total: 232ms	remaining: 1.42s
140:	learn: 0.3998891	total: 233ms	remaining: 1.42s
141:	learn: 0.3993795	total: 234ms	remaining: 1.42s
142:	learn: 0.3988720	total: 236ms	remaining: 1.41s
143:	learn: 0.3984400	total: 237ms	remaining: 1.41s
144:	learn: 0.3977521	total: 239ms	remaining: 1.41s
145:	learn: 0.3973931	total: 240ms	remaining: 1.41s
146:	learn: 0.3970947	total: 242ms	remaining: 1.4s
147:	learn: 0.3968210	total: 243ms	remaining: 1.4s
148:	learn: 0.3962770	total: 245ms	remaining: 1.4s
149:	learn: 0.3957488	total: 246ms	remaining: 1.4s
150:	learn: 0.3955608	total: 247ms	remaining: 1.39s
151:	learn: 0.3948994	total: 249ms	remaining: 1.39s
152:	learn: 0.3943706	total: 250ms	remaining: 1.38s
153:	learn: 0.3939046	total: 251ms	remaining: 1.38s
154:	learn: 0.3933575	total: 253ms	remaining: 1.38s
155:	learn: 0.3928749	total: 254ms	remaining: 1.37s
156:	learn: 0.3924566	total: 255ms	remaining: 1.37s
157:	learn: 0.3920478	total: 257ms	remaining: 1.37s
158:	learn: 0.3916372	total: 259ms	remaining: 1.37s
159:	learn: 0.3911543	total: 260ms	remaining: 1.36s
160:	learn: 0.3905734	total: 261ms	remaining: 1.36s
161:	learn: 0.3899789	total: 263ms	remaining: 1.36s
162:	learn: 0.3897495	total: 265ms	remaining: 1.36s
163:	learn: 0.3896938	total: 266ms	remaining: 1.36s
164:	learn: 0.3891220	total: 268ms	remaining: 1.36s
165:	learn: 0.3887932	total: 270ms	remaining: 1.35s
166:	learn: 0.3882453	total: 272ms	remaining: 1.35s
167:	learn: 0.3877700	total: 274ms	remaining: 1.35s
168:	learn: 0.3875691	total: 276ms	remaining: 1.35s
169:	learn: 0.3872019	total: 277ms	remaining: 1.35s
170:	learn: 0.3869552	total: 279ms	remaining: 1.35s
171:	learn: 0.3865739	total: 282ms	remaining: 1.36s
172:	learn: 0.3862634	total: 285ms	remaining: 1.36s
173:	learn: 0.3858238	total: 287ms	remaining: 1.36s
174:	learn: 0.3854740	total: 289ms	remaining: 1.36s
175:	learn: 0.3851621	total: 291ms	remaining: 1.36s
176:	learn: 0.3848253	total: 293ms	remaining: 1.36s
177:	learn: 0.3843681	total: 294ms	remaining: 1.36s
178:	learn: 0.3839190	total: 296ms	remaining: 1.36s
179:	learn: 0.3835515	total: 298ms	remaining: 1.36s
180:	learn: 0.3833698	total: 300ms	remaining: 1.36s
181:	learn: 0.3830613	total: 302ms	remaining: 1.36s
182:	learn: 0.3826090	total: 304ms	remaining: 1.36s
183:	learn: 0.3822090	total: 306ms	remaining: 1.35s
184:	learn: 0.3818498	total: 307ms	remaining: 1.35s
185:	learn: 0.3814583	total: 309ms	remaining: 1.35s
186:	learn: 0.3810241	total: 311ms	remaining: 1.35s
187:	learn: 0.3808127	total: 313ms	remaining: 1.35s
188:	learn: 0.3807484	total: 314ms	remaining: 1.35s
189:	learn: 0.3806223	total: 315ms	remaining: 1.34s
190:	learn: 0.3804205	total: 317ms	remaining: 1.34s
191:	learn: 0.3801022	total: 318ms	remaining: 1.34s
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192:	learn: 0.3796658	total: 320ms	remaining: 1.34s
193:	learn: 0.3792942	total: 321ms	remaining: 1.33s
194:	learn: 0.3789338	total: 322ms	remaining: 1.33s
195:	learn: 0.3787183	total: 324ms	remaining: 1.33s
196:	learn: 0.3782812	total: 325ms	remaining: 1.32s
197:	learn: 0.3779153	total: 327ms	remaining: 1.32s
198:	learn: 0.3776952	total: 328ms	remaining: 1.32s
199:	learn: 0.3775920	total: 330ms	remaining: 1.32s
200:	learn: 0.3772967	total: 331ms	remaining: 1.32s
201:	learn: 0.3769829	total: 334ms	remaining: 1.32s
202:	learn: 0.3766619	total: 335ms	remaining: 1.31s
203:	learn: 0.3765402	total: 337ms	remaining: 1.32s
204:	learn: 0.3764252	total: 339ms	remaining: 1.31s
205:	learn: 0.3761774	total: 341ms	remaining: 1.32s
206:	learn: 0.3760730	total: 343ms	remaining: 1.31s
207:	learn: 0.3757560	total: 345ms	remaining: 1.31s
208:	learn: 0.3754334	total: 347ms	remaining: 1.31s
209:	learn: 0.3750247	total: 350ms	remaining: 1.31s
210:	learn: 0.3746862	total: 352ms	remaining: 1.31s
211:	learn: 0.3745985	total: 353ms	remaining: 1.31s
212:	learn: 0.3743963	total: 355ms	remaining: 1.31s
213:	learn: 0.3741917	total: 356ms	remaining: 1.31s
214:	learn: 0.3739254	total: 358ms	remaining: 1.31s
215:	learn: 0.3736638	total: 360ms	remaining: 1.31s
216:	learn: 0.3734097	total: 362ms	remaining: 1.3s
217:	learn: 0.3731287	total: 364ms	remaining: 1.3s
218:	learn: 0.3728263	total: 365ms	remaining: 1.3s
219:	learn: 0.3725166	total: 368ms	remaining: 1.3s
220:	learn: 0.3722866	total: 369ms	remaining: 1.3s
221:	learn: 0.3720103	total: 371ms	remaining: 1.3s
222:	learn: 0.3716920	total: 373ms	remaining: 1.3s
223:	learn: 0.3713451	total: 375ms	remaining: 1.3s
224:	learn: 0.3712128	total: 377ms	remaining: 1.3s
225:	learn: 0.3708933	total: 379ms	remaining: 1.3s
226:	learn: 0.3706897	total: 381ms	remaining: 1.3s
227:	learn: 0.3705345	total: 383ms	remaining: 1.3s
228:	learn: 0.3702051	total: 385ms	remaining: 1.3s
229:	learn: 0.3701337	total: 387ms	remaining: 1.3s
230:	learn: 0.3698624	total: 389ms	remaining: 1.29s
231:	learn: 0.3695767	total: 390ms	remaining: 1.29s
232:	learn: 0.3694460	total: 393ms	remaining: 1.29s
233:	learn: 0.3691529	total: 395ms	remaining: 1.29s
234:	learn: 0.3690428	total: 397ms	remaining: 1.29s
235:	learn: 0.3687912	total: 398ms	remaining: 1.29s
236:	learn: 0.3684812	total: 400ms	remaining: 1.29s
237:	learn: 0.3680848	total: 402ms	remaining: 1.29s
238:	learn: 0.3677788	total: 404ms	remaining: 1.28s
239:	learn: 0.3676076	total: 405ms	remaining: 1.28s
240:	learn: 0.3673507	total: 408ms	remaining: 1.28s
241:	learn: 0.3671259	total: 409ms	remaining: 1.28s
242:	learn: 0.3668697	total: 412ms	remaining: 1.28s
243:	learn: 0.3666872	total: 414ms	remaining: 1.28s
244:	learn: 0.3665358	total: 416ms	remaining: 1.28s
245:	learn: 0.3663223	total: 417ms	remaining: 1.28s
246:	learn: 0.3661948	total: 419ms	remaining: 1.28s
247:	learn: 0.3659794	total: 420ms	remaining: 1.27s
248:	learn: 0.3657653	total: 422ms	remaining: 1.27s
249:	learn: 0.3656366	total: 423ms	remaining: 1.27s
250:	learn: 0.3655403	total: 424ms	remaining: 1.26s
251:	learn: 0.3653552	total: 425ms	remaining: 1.26s
252:	learn: 0.3653307	total: 427ms	remaining: 1.26s
253:	learn: 0.3652966	total: 430ms	remaining: 1.26s
254:	learn: 0.3650983	total: 432ms	remaining: 1.26s
255:	learn: 0.3647747	total: 434ms	remaining: 1.26s
256:	learn: 0.3645738	total: 436ms	remaining: 1.26s
257:	learn: 0.3644382	total: 438ms	remaining: 1.26s
258:	learn: 0.3642551	total: 440ms	remaining: 1.26s
259:	learn: 0.3640645	total: 442ms	remaining: 1.26s
260:	learn: 0.3639318	total: 445ms	remaining: 1.26s
261:	learn: 0.3637373	total: 446ms	remaining: 1.26s
262:	learn: 0.3636002	total: 448ms	remaining: 1.25s
263:	learn: 0.3633702	total: 449ms	remaining: 1.25s
264:	learn: 0.3631152	total: 451ms	remaining: 1.25s
265:	learn: 0.3629108	total: 452ms	remaining: 1.25s
266:	learn: 0.3628987	total: 453ms	remaining: 1.24s
267:	learn: 0.3626366	total: 455ms	remaining: 1.24s
268:	learn: 0.3624134	total: 458ms	remaining: 1.24s
269:	learn: 0.3621494	total: 460ms	remaining: 1.24s
270:	learn: 0.3620353	total: 462ms	remaining: 1.24s
271:	learn: 0.3618401	total: 464ms	remaining: 1.24s
272:	learn: 0.3617343	total: 466ms	remaining: 1.24s
273:	learn: 0.3614875	total: 469ms	remaining: 1.24s
274:	learn: 0.3613212	total: 471ms	remaining: 1.24s
275:	learn: 0.3610662	total: 473ms	remaining: 1.24s
276:	learn: 0.3609111	total: 475ms	remaining: 1.24s
277:	learn: 0.3606931	total: 478ms	remaining: 1.24s
278:	learn: 0.3604521	total: 479ms	remaining: 1.24s
279:	learn: 0.3601597	total: 480ms	remaining: 1.24s
280:	learn: 0.3600274	total: 482ms	remaining: 1.23s
281:	learn: 0.3599002	total: 483ms	remaining: 1.23s
282:	learn: 0.3596763	total: 484ms	remaining: 1.23s
283:	learn: 0.3595704	total: 486ms	remaining: 1.23s
284:	learn: 0.3592992	total: 489ms	remaining: 1.23s
285:	learn: 0.3592083	total: 490ms	remaining: 1.22s
286:	learn: 0.3590329	total: 492ms	remaining: 1.22s
287:	learn: 0.3588639	total: 494ms	remaining: 1.22s
288:	learn: 0.3586800	total: 496ms	remaining: 1.22s
289:	learn: 0.3584703	total: 498ms	remaining: 1.22s
290:	learn: 0.3582878	total: 500ms	remaining: 1.22s
291:	learn: 0.3580187	total: 502ms	remaining: 1.22s
292:	learn: 0.3578332	total: 505ms	remaining: 1.22s
293:	learn: 0.3576842	total: 507ms	remaining: 1.22s
294:	learn: 0.3575589	total: 509ms	remaining: 1.22s
295:	learn: 0.3572898	total: 512ms	remaining: 1.22s
296:	learn: 0.3570856	total: 515ms	remaining: 1.22s
297:	learn: 0.3568959	total: 517ms	remaining: 1.22s
298:	learn: 0.3567873	total: 519ms	remaining: 1.22s
299:	learn: 0.3565640	total: 521ms	remaining: 1.21s
300:	learn: 0.3562599	total: 523ms	remaining: 1.21s
301:	learn: 0.3559562	total: 524ms	remaining: 1.21s
302:	learn: 0.3558853	total: 526ms	remaining: 1.21s
303:	learn: 0.3557957	total: 528ms	remaining: 1.21s
304:	learn: 0.3555003	total: 529ms	remaining: 1.21s
305:	learn: 0.3552847	total: 531ms	remaining: 1.2s
306:	learn: 0.3552440	total: 532ms	remaining: 1.2s
307:	learn: 0.3551190	total: 534ms	remaining: 1.2s
308:	learn: 0.3550316	total: 535ms	remaining: 1.2s
309:	learn: 0.3548710	total: 536ms	remaining: 1.19s
310:	learn: 0.3547225	total: 539ms	remaining: 1.19s
311:	learn: 0.3545771	total: 541ms	remaining: 1.19s
312:	learn: 0.3545011	total: 543ms	remaining: 1.19s
313:	learn: 0.3543619	total: 545ms	remaining: 1.19s
314:	learn: 0.3540783	total: 547ms	remaining: 1.19s
315:	learn: 0.3538423	total: 549ms	remaining: 1.19s
316:	learn: 0.3538367	total: 550ms	remaining: 1.19s
317:	learn: 0.3537221	total: 552ms	remaining: 1.18s
318:	learn: 0.3536014	total: 553ms	remaining: 1.18s
319:	learn: 0.3534143	total: 555ms	remaining: 1.18s
320:	learn: 0.3533941	total: 557ms	remaining: 1.18s
321:	learn: 0.3533169	total: 559ms	remaining: 1.18s
322:	learn: 0.3532240	total: 561ms	remaining: 1.18s
323:	learn: 0.3531216	total: 563ms	remaining: 1.17s
324:	learn: 0.3530894	total: 565ms	remaining: 1.17s
325:	learn: 0.3529938	total: 566ms	remaining: 1.17s
326:	learn: 0.3529484	total: 568ms	remaining: 1.17s
327:	learn: 0.3527758	total: 569ms	remaining: 1.17s
328:	learn: 0.3526017	total: 572ms	remaining: 1.17s
329:	learn: 0.3524501	total: 574ms	remaining: 1.17s
330:	learn: 0.3522195	total: 577ms	remaining: 1.17s
331:	learn: 0.3520153	total: 579ms	remaining: 1.17s
332:	learn: 0.3519092	total: 581ms	remaining: 1.16s
333:	learn: 0.3516419	total: 583ms	remaining: 1.16s
334:	learn: 0.3513860	total: 585ms	remaining: 1.16s
335:	learn: 0.3511335	total: 587ms	remaining: 1.16s
336:	learn: 0.3509722	total: 589ms	remaining: 1.16s
337:	learn: 0.3508435	total: 591ms	remaining: 1.16s
338:	learn: 0.3506884	total: 593ms	remaining: 1.16s
339:	learn: 0.3505579	total: 595ms	remaining: 1.15s
340:	learn: 0.3504095	total: 597ms	remaining: 1.15s
341:	learn: 0.3502630	total: 598ms	remaining: 1.15s
342:	learn: 0.3501119	total: 601ms	remaining: 1.15s
343:	learn: 0.3499834	total: 602ms	remaining: 1.15s
344:	learn: 0.3498332	total: 604ms	remaining: 1.15s
345:	learn: 0.3495697	total: 606ms	remaining: 1.15s
346:	learn: 0.3494089	total: 608ms	remaining: 1.14s
347:	learn: 0.3493200	total: 609ms	remaining: 1.14s
348:	learn: 0.3492554	total: 611ms	remaining: 1.14s
349:	learn: 0.3491206	total: 613ms	remaining: 1.14s
350:	learn: 0.3489334	total: 616ms	remaining: 1.14s
351:	learn: 0.3487320	total: 618ms	remaining: 1.14s
352:	learn: 0.3485571	total: 620ms	remaining: 1.14s
353:	learn: 0.3484079	total: 622ms	remaining: 1.13s
354:	learn: 0.3482563	total: 623ms	remaining: 1.13s
355:	learn: 0.3480234	total: 625ms	remaining: 1.13s
356:	learn: 0.3479369	total: 627ms	remaining: 1.13s
357:	learn: 0.3478446	total: 629ms	remaining: 1.13s
358:	learn: 0.3476643	total: 630ms	remaining: 1.13s
359:	learn: 0.3475239	total: 633ms	remaining: 1.13s
360:	learn: 0.3474423	total: 634ms	remaining: 1.12s
361:	learn: 0.3472077	total: 636ms	remaining: 1.12s
362:	learn: 0.3470455	total: 638ms	remaining: 1.12s
363:	learn: 0.3469012	total: 640ms	remaining: 1.12s
364:	learn: 0.3467709	total: 642ms	remaining: 1.12s
365:	learn: 0.3467357	total: 643ms	remaining: 1.11s
366:	learn: 0.3466006	total: 645ms	remaining: 1.11s
367:	learn: 0.3464419	total: 647ms	remaining: 1.11s
368:	learn: 0.3464078	total: 648ms	remaining: 1.11s
369:	learn: 0.3462126	total: 650ms	remaining: 1.11s
370:	learn: 0.3461676	total: 651ms	remaining: 1.1s
371:	learn: 0.3460484	total: 653ms	remaining: 1.1s
372:	learn: 0.3459525	total: 654ms	remaining: 1.1s
373:	learn: 0.3458316	total: 655ms	remaining: 1.1s
374:	learn: 0.3455661	total: 657ms	remaining: 1.09s
375:	learn: 0.3454596	total: 658ms	remaining: 1.09s
376:	learn: 0.3453355	total: 660ms	remaining: 1.09s
377:	learn: 0.3452260	total: 661ms	remaining: 1.09s
378:	learn: 0.3451884	total: 663ms	remaining: 1.09s
379:	learn: 0.3451056	total: 665ms	remaining: 1.08s
380:	learn: 0.3449744	total: 666ms	remaining: 1.08s
381:	learn: 0.3447401	total: 668ms	remaining: 1.08s
382:	learn: 0.3445725	total: 671ms	remaining: 1.08s
383:	learn: 0.3443773	total: 673ms	remaining: 1.08s
384:	learn: 0.3442460	total: 674ms	remaining: 1.08s
385:	learn: 0.3440787	total: 676ms	remaining: 1.07s
386:	learn: 0.3439847	total: 678ms	remaining: 1.07s
387:	learn: 0.3439452	total: 679ms	remaining: 1.07s
388:	learn: 0.3438921	total: 681ms	remaining: 1.07s
389:	learn: 0.3438028	total: 683ms	remaining: 1.07s
390:	learn: 0.3435773	total: 684ms	remaining: 1.07s
391:	learn: 0.3434679	total: 686ms	remaining: 1.06s
392:	learn: 0.3434118	total: 688ms	remaining: 1.06s
393:	learn: 0.3432918	total: 692ms	remaining: 1.06s
394:	learn: 0.3430860	total: 694ms	remaining: 1.06s
395:	learn: 0.3430222	total: 695ms	remaining: 1.06s
396:	learn: 0.3429117	total: 698ms	remaining: 1.06s
397:	learn: 0.3427606	total: 700ms	remaining: 1.06s
398:	learn: 0.3426145	total: 703ms	remaining: 1.06s
399:	learn: 0.3425395	total: 705ms	remaining: 1.06s
400:	learn: 0.3421755	total: 709ms	remaining: 1.06s
401:	learn: 0.3419898	total: 711ms	remaining: 1.06s
402:	learn: 0.3418092	total: 713ms	remaining: 1.06s
403:	learn: 0.3415344	total: 715ms	remaining: 1.05s
404:	learn: 0.3414100	total: 716ms	remaining: 1.05s
405:	learn: 0.3413624	total: 718ms	remaining: 1.05s
406:	learn: 0.3411924	total: 720ms	remaining: 1.05s
407:	learn: 0.3411036	total: 721ms	remaining: 1.05s
408:	learn: 0.3410756	total: 723ms	remaining: 1.04s
409:	learn: 0.3410724	total: 724ms	remaining: 1.04s
410:	learn: 0.3408725	total: 727ms	remaining: 1.04s
411:	learn: 0.3407916	total: 729ms	remaining: 1.04s
412:	learn: 0.3406844	total: 731ms	remaining: 1.04s
413:	learn: 0.3404090	total: 732ms	remaining: 1.04s
414:	learn: 0.3403980	total: 734ms	remaining: 1.03s
415:	learn: 0.3402561	total: 736ms	remaining: 1.03s
416:	learn: 0.3400374	total: 737ms	remaining: 1.03s
417:	learn: 0.3399516	total: 739ms	remaining: 1.03s
418:	learn: 0.3398016	total: 742ms	remaining: 1.03s
419:	learn: 0.3396561	total: 744ms	remaining: 1.03s
420:	learn: 0.3395297	total: 745ms	remaining: 1.02s
421:	learn: 0.3395238	total: 746ms	remaining: 1.02s
422:	learn: 0.3394476	total: 748ms	remaining: 1.02s
423:	learn: 0.3391982	total: 750ms	remaining: 1.02s
424:	learn: 0.3390671	total: 752ms	remaining: 1.02s
425:	learn: 0.3389720	total: 754ms	remaining: 1.01s
426:	learn: 0.3387385	total: 756ms	remaining: 1.01s
427:	learn: 0.3386384	total: 758ms	remaining: 1.01s
428:	learn: 0.3383603	total: 760ms	remaining: 1.01s
429:	learn: 0.3381437	total: 763ms	remaining: 1.01s
430:	learn: 0.3379679	total: 764ms	remaining: 1.01s
431:	learn: 0.3377385	total: 766ms	remaining: 1.01s
432:	learn: 0.3376706	total: 768ms	remaining: 1s
433:	learn: 0.3375539	total: 771ms	remaining: 1.01s
434:	learn: 0.3373854	total: 774ms	remaining: 1s
435:	learn: 0.3373260	total: 777ms	remaining: 1s
436:	learn: 0.3371505	total: 779ms	remaining: 1s
437:	learn: 0.3370978	total: 781ms	remaining: 1s
438:	learn: 0.3370412	total: 783ms	remaining: 1s
439:	learn: 0.3368537	total: 784ms	remaining: 997ms
440:	learn: 0.3367726	total: 787ms	remaining: 997ms
441:	learn: 0.3365139	total: 790ms	remaining: 997ms
442:	learn: 0.3364019	total: 792ms	remaining: 995ms
443:	learn: 0.3363871	total: 795ms	remaining: 995ms
444:	learn: 0.3362310	total: 796ms	remaining: 993ms
445:	learn: 0.3360864	total: 798ms	remaining: 992ms
446:	learn: 0.3360674	total: 799ms	remaining: 989ms
447:	learn: 0.3360523	total: 800ms	remaining: 986ms
448:	learn: 0.3359644	total: 802ms	remaining: 984ms
449:	learn: 0.3357076	total: 805ms	remaining: 984ms
450:	learn: 0.3355539	total: 808ms	remaining: 984ms
451:	learn: 0.3355253	total: 811ms	remaining: 983ms
452:	learn: 0.3353724	total: 813ms	remaining: 981ms
453:	learn: 0.3351841	total: 814ms	remaining: 979ms
454:	learn: 0.3348289	total: 818ms	remaining: 980ms
455:	learn: 0.3347808	total: 820ms	remaining: 978ms
456:	learn: 0.3347785	total: 823ms	remaining: 978ms
457:	learn: 0.3345432	total: 826ms	remaining: 977ms
458:	learn: 0.3344062	total: 827ms	remaining: 975ms
459:	learn: 0.3342281	total: 829ms	remaining: 973ms
460:	learn: 0.3340434	total: 831ms	remaining: 972ms
461:	learn: 0.3339615	total: 834ms	remaining: 971ms
462:	learn: 0.3338418	total: 837ms	remaining: 971ms
463:	learn: 0.3336929	total: 839ms	remaining: 969ms
464:	learn: 0.3336128	total: 841ms	remaining: 968ms
465:	learn: 0.3334990	total: 844ms	remaining: 967ms
466:	learn: 0.3334211	total: 846ms	remaining: 965ms
467:	learn: 0.3333859	total: 847ms	remaining: 963ms
468:	learn: 0.3332399	total: 849ms	remaining: 962ms
469:	learn: 0.3330433	total: 852ms	remaining: 960ms
470:	learn: 0.3328191	total: 853ms	remaining: 958ms
471:	learn: 0.3326590	total: 856ms	remaining: 957ms
472:	learn: 0.3324292	total: 858ms	remaining: 956ms
473:	learn: 0.3322415	total: 859ms	remaining: 954ms
474:	learn: 0.3321949	total: 863ms	remaining: 953ms
475:	learn: 0.3320571	total: 865ms	remaining: 952ms
476:	learn: 0.3319982	total: 867ms	remaining: 950ms
477:	learn: 0.3318994	total: 869ms	remaining: 949ms
478:	learn: 0.3318478	total: 871ms	remaining: 947ms
479:	learn: 0.3317739	total: 873ms	remaining: 945ms
480:	learn: 0.3316346	total: 874ms	remaining: 943ms
481:	learn: 0.3315226	total: 877ms	remaining: 942ms
482:	learn: 0.3312435	total: 878ms	remaining: 940ms
483:	learn: 0.3311126	total: 880ms	remaining: 938ms
484:	learn: 0.3311076	total: 881ms	remaining: 936ms
485:	learn: 0.3309333	total: 883ms	remaining: 934ms
486:	learn: 0.3307946	total: 885ms	remaining: 932ms
487:	learn: 0.3306953	total: 887ms	remaining: 931ms
488:	learn: 0.3305836	total: 888ms	remaining: 928ms
489:	learn: 0.3304824	total: 890ms	remaining: 926ms
490:	learn: 0.3304054	total: 892ms	remaining: 925ms
491:	learn: 0.3301009	total: 894ms	remaining: 923ms
492:	learn: 0.3299143	total: 896ms	remaining: 922ms
493:	learn: 0.3298060	total: 899ms	remaining: 921ms
494:	learn: 0.3297923	total: 901ms	remaining: 919ms
495:	learn: 0.3296617	total: 903ms	remaining: 918ms
496:	learn: 0.3295230	total: 905ms	remaining: 916ms
497:	learn: 0.3294305	total: 907ms	remaining: 915ms
498:	learn: 0.3293267	total: 909ms	remaining: 913ms
499:	learn: 0.3292260	total: 911ms	remaining: 911ms
500:	learn: 0.3291695	total: 914ms	remaining: 910ms
501:	learn: 0.3290367	total: 915ms	remaining: 908ms
502:	learn: 0.3289125	total: 918ms	remaining: 907ms
503:	learn: 0.3287147	total: 919ms	remaining: 904ms
504:	learn: 0.3284568	total: 921ms	remaining: 903ms
505:	learn: 0.3282816	total: 923ms	remaining: 901ms
506:	learn: 0.3281568	total: 925ms	remaining: 899ms
507:	learn: 0.3280350	total: 926ms	remaining: 897ms
508:	learn: 0.3279372	total: 929ms	remaining: 896ms
509:	learn: 0.3277389	total: 931ms	remaining: 895ms
510:	learn: 0.3275036	total: 933ms	remaining: 893ms
511:	learn: 0.3274198	total: 935ms	remaining: 891ms
512:	learn: 0.3272569	total: 937ms	remaining: 890ms
513:	learn: 0.3271109	total: 939ms	remaining: 887ms
514:	learn: 0.3269047	total: 940ms	remaining: 885ms
515:	learn: 0.3267371	total: 942ms	remaining: 884ms
516:	learn: 0.3267142	total: 943ms	remaining: 881ms
517:	learn: 0.3266242	total: 946ms	remaining: 880ms
518:	learn: 0.3265950	total: 947ms	remaining: 878ms
519:	learn: 0.3264563	total: 950ms	remaining: 877ms
520:	learn: 0.3263865	total: 952ms	remaining: 876ms
521:	learn: 0.3263723	total: 953ms	remaining: 873ms
522:	learn: 0.3263014	total: 955ms	remaining: 871ms
523:	learn: 0.3261901	total: 957ms	remaining: 869ms
524:	learn: 0.3259344	total: 959ms	remaining: 868ms
525:	learn: 0.3257857	total: 961ms	remaining: 866ms
526:	learn: 0.3257319	total: 962ms	remaining: 864ms
527:	learn: 0.3257272	total: 964ms	remaining: 861ms
528:	learn: 0.3256990	total: 965ms	remaining: 859ms
529:	learn: 0.3255492	total: 967ms	remaining: 857ms
530:	learn: 0.3254324	total: 968ms	remaining: 855ms
531:	learn: 0.3252718	total: 970ms	remaining: 854ms
532:	learn: 0.3251023	total: 972ms	remaining: 851ms
533:	learn: 0.3250383	total: 973ms	remaining: 849ms
534:	learn: 0.3250001	total: 974ms	remaining: 846ms
535:	learn: 0.3248772	total: 975ms	remaining: 844ms
536:	learn: 0.3248679	total: 976ms	remaining: 842ms
537:	learn: 0.3247401	total: 977ms	remaining: 839ms
538:	learn: 0.3245467	total: 980ms	remaining: 838ms
539:	learn: 0.3244075	total: 982ms	remaining: 836ms
540:	learn: 0.3242072	total: 984ms	remaining: 835ms
541:	learn: 0.3241604	total: 985ms	remaining: 833ms
542:	learn: 0.3239865	total: 987ms	remaining: 830ms
543:	learn: 0.3239303	total: 988ms	remaining: 828ms
544:	learn: 0.3237366	total: 990ms	remaining: 826ms
545:	learn: 0.3236592	total: 991ms	remaining: 824ms
546:	learn: 0.3236312	total: 992ms	remaining: 822ms
547:	learn: 0.3235756	total: 994ms	remaining: 820ms
548:	learn: 0.3235134	total: 995ms	remaining: 818ms
549:	learn: 0.3233803	total: 997ms	remaining: 816ms
550:	learn: 0.3232700	total: 999ms	remaining: 814ms
551:	learn: 0.3231477	total: 1s	remaining: 812ms
552:	learn: 0.3229937	total: 1s	remaining: 810ms
553:	learn: 0.3228533	total: 1s	remaining: 808ms
554:	learn: 0.3226956	total: 1s	remaining: 806ms
555:	learn: 0.3226020	total: 1.01s	remaining: 804ms
556:	learn: 0.3224511	total: 1.01s	remaining: 802ms
557:	learn: 0.3224130	total: 1.01s	remaining: 800ms
558:	learn: 0.3223973	total: 1.01s	remaining: 798ms
559:	learn: 0.3222775	total: 1.01s	remaining: 796ms
560:	learn: 0.3220496	total: 1.01s	remaining: 794ms
561:	learn: 0.3218755	total: 1.02s	remaining: 792ms
562:	learn: 0.3215259	total: 1.02s	remaining: 791ms
563:	learn: 0.3213698	total: 1.02s	remaining: 789ms
564:	learn: 0.3212526	total: 1.02s	remaining: 787ms
565:	learn: 0.3211272	total: 1.02s	remaining: 786ms
566:	learn: 0.3209535	total: 1.03s	remaining: 784ms
567:	learn: 0.3207994	total: 1.03s	remaining: 782ms
568:	learn: 0.3207422	total: 1.03s	remaining: 780ms
569:	learn: 0.3206127	total: 1.03s	remaining: 779ms
570:	learn: 0.3205936	total: 1.03s	remaining: 777ms
571:	learn: 0.3204866	total: 1.04s	remaining: 775ms
572:	learn: 0.3204183	total: 1.04s	remaining: 773ms
573:	learn: 0.3203474	total: 1.04s	remaining: 771ms
574:	learn: 0.3202713	total: 1.04s	remaining: 769ms
575:	learn: 0.3202101	total: 1.04s	remaining: 767ms
576:	learn: 0.3201371	total: 1.04s	remaining: 765ms
577:	learn: 0.3200909	total: 1.04s	remaining: 763ms
578:	learn: 0.3199674	total: 1.05s	remaining: 761ms
579:	learn: 0.3199108	total: 1.05s	remaining: 759ms
580:	learn: 0.3198089	total: 1.05s	remaining: 757ms
581:	learn: 0.3195951	total: 1.05s	remaining: 755ms
582:	learn: 0.3195147	total: 1.05s	remaining: 753ms
583:	learn: 0.3194242	total: 1.05s	remaining: 751ms
584:	learn: 0.3190798	total: 1.05s	remaining: 749ms
585:	learn: 0.3190288	total: 1.06s	remaining: 746ms
586:	learn: 0.3188976	total: 1.06s	remaining: 744ms
587:	learn: 0.3188765	total: 1.06s	remaining: 742ms
588:	learn: 0.3187575	total: 1.06s	remaining: 740ms
589:	learn: 0.3186727	total: 1.06s	remaining: 738ms
590:	learn: 0.3184708	total: 1.06s	remaining: 736ms
591:	learn: 0.3184306	total: 1.06s	remaining: 733ms
592:	learn: 0.3183230	total: 1.06s	remaining: 731ms
593:	learn: 0.3182491	total: 1.07s	remaining: 729ms
594:	learn: 0.3182318	total: 1.07s	remaining: 726ms
595:	learn: 0.3181439	total: 1.07s	remaining: 724ms
596:	learn: 0.3180614	total: 1.07s	remaining: 723ms
597:	learn: 0.3180123	total: 1.07s	remaining: 721ms
598:	learn: 0.3177561	total: 1.07s	remaining: 719ms
599:	learn: 0.3175489	total: 1.07s	remaining: 717ms
600:	learn: 0.3174418	total: 1.08s	remaining: 715ms
601:	learn: 0.3173537	total: 1.08s	remaining: 713ms
602:	learn: 0.3172617	total: 1.08s	remaining: 711ms
603:	learn: 0.3170294	total: 1.08s	remaining: 709ms
604:	learn: 0.3169547	total: 1.08s	remaining: 707ms
605:	learn: 0.3168110	total: 1.08s	remaining: 705ms
606:	learn: 0.3166694	total: 1.08s	remaining: 703ms
607:	learn: 0.3165433	total: 1.09s	remaining: 701ms
608:	learn: 0.3164237	total: 1.09s	remaining: 699ms
609:	learn: 0.3162366	total: 1.09s	remaining: 697ms
610:	learn: 0.3162153	total: 1.09s	remaining: 695ms
611:	learn: 0.3161184	total: 1.09s	remaining: 693ms
612:	learn: 0.3160552	total: 1.09s	remaining: 691ms
613:	learn: 0.3159109	total: 1.09s	remaining: 689ms
614:	learn: 0.3157323	total: 1.1s	remaining: 686ms
615:	learn: 0.3156013	total: 1.1s	remaining: 684ms
616:	learn: 0.3154942	total: 1.1s	remaining: 682ms
617:	learn: 0.3153963	total: 1.1s	remaining: 680ms
618:	learn: 0.3153261	total: 1.1s	remaining: 678ms
619:	learn: 0.3151864	total: 1.1s	remaining: 676ms
620:	learn: 0.3150941	total: 1.1s	remaining: 674ms
621:	learn: 0.3150400	total: 1.1s	remaining: 672ms
622:	learn: 0.3148917	total: 1.11s	remaining: 670ms
623:	learn: 0.3148012	total: 1.11s	remaining: 668ms
624:	learn: 0.3147183	total: 1.11s	remaining: 665ms
625:	learn: 0.3145877	total: 1.11s	remaining: 663ms
626:	learn: 0.3144785	total: 1.11s	remaining: 661ms
627:	learn: 0.3144121	total: 1.11s	remaining: 659ms
628:	learn: 0.3142342	total: 1.11s	remaining: 657ms
629:	learn: 0.3141814	total: 1.11s	remaining: 655ms
630:	learn: 0.3138583	total: 1.12s	remaining: 653ms
631:	learn: 0.3136936	total: 1.12s	remaining: 651ms
632:	learn: 0.3135712	total: 1.12s	remaining: 649ms
633:	learn: 0.3134026	total: 1.12s	remaining: 647ms
634:	learn: 0.3132855	total: 1.12s	remaining: 645ms
635:	learn: 0.3132401	total: 1.12s	remaining: 643ms
636:	learn: 0.3131976	total: 1.12s	remaining: 641ms
637:	learn: 0.3131361	total: 1.13s	remaining: 639ms
638:	learn: 0.3129682	total: 1.13s	remaining: 637ms
639:	learn: 0.3127431	total: 1.13s	remaining: 635ms
640:	learn: 0.3126377	total: 1.13s	remaining: 633ms
641:	learn: 0.3125716	total: 1.13s	remaining: 631ms
642:	learn: 0.3124050	total: 1.13s	remaining: 629ms
643:	learn: 0.3123534	total: 1.13s	remaining: 627ms
644:	learn: 0.3123235	total: 1.14s	remaining: 625ms
645:	learn: 0.3121958	total: 1.14s	remaining: 623ms
646:	learn: 0.3121154	total: 1.14s	remaining: 621ms
647:	learn: 0.3120537	total: 1.14s	remaining: 619ms
648:	learn: 0.3119129	total: 1.14s	remaining: 617ms
649:	learn: 0.3117262	total: 1.14s	remaining: 615ms
650:	learn: 0.3116444	total: 1.14s	remaining: 613ms
651:	learn: 0.3114279	total: 1.15s	remaining: 611ms
652:	learn: 0.3112185	total: 1.15s	remaining: 610ms
653:	learn: 0.3110805	total: 1.15s	remaining: 608ms
654:	learn: 0.3109194	total: 1.15s	remaining: 606ms
655:	learn: 0.3107704	total: 1.15s	remaining: 604ms
656:	learn: 0.3106633	total: 1.15s	remaining: 603ms
657:	learn: 0.3105898	total: 1.16s	remaining: 601ms
658:	learn: 0.3104445	total: 1.16s	remaining: 599ms
659:	learn: 0.3103228	total: 1.16s	remaining: 597ms
660:	learn: 0.3102481	total: 1.16s	remaining: 596ms
661:	learn: 0.3101285	total: 1.16s	remaining: 594ms
662:	learn: 0.3099786	total: 1.16s	remaining: 592ms
663:	learn: 0.3099071	total: 1.17s	remaining: 590ms
664:	learn: 0.3098321	total: 1.17s	remaining: 588ms
665:	learn: 0.3098036	total: 1.17s	remaining: 586ms
666:	learn: 0.3097948	total: 1.17s	remaining: 584ms
667:	learn: 0.3094490	total: 1.17s	remaining: 582ms
668:	learn: 0.3094208	total: 1.17s	remaining: 580ms
669:	learn: 0.3092607	total: 1.17s	remaining: 578ms
670:	learn: 0.3091686	total: 1.17s	remaining: 576ms
671:	learn: 0.3090217	total: 1.18s	remaining: 574ms
672:	learn: 0.3087956	total: 1.18s	remaining: 572ms
673:	learn: 0.3086986	total: 1.18s	remaining: 570ms
674:	learn: 0.3085733	total: 1.18s	remaining: 568ms
675:	learn: 0.3085015	total: 1.18s	remaining: 567ms
676:	learn: 0.3084932	total: 1.18s	remaining: 565ms
677:	learn: 0.3084243	total: 1.19s	remaining: 563ms
678:	learn: 0.3082752	total: 1.19s	remaining: 561ms
679:	learn: 0.3080299	total: 1.19s	remaining: 560ms
680:	learn: 0.3078960	total: 1.19s	remaining: 558ms
681:	learn: 0.3077504	total: 1.19s	remaining: 556ms
682:	learn: 0.3076155	total: 1.19s	remaining: 554ms
683:	learn: 0.3075337	total: 1.2s	remaining: 552ms
684:	learn: 0.3074955	total: 1.2s	remaining: 550ms
685:	learn: 0.3073535	total: 1.2s	remaining: 548ms
686:	learn: 0.3071900	total: 1.2s	remaining: 546ms
687:	learn: 0.3071315	total: 1.2s	remaining: 544ms
688:	learn: 0.3069493	total: 1.2s	remaining: 542ms
689:	learn: 0.3067549	total: 1.2s	remaining: 540ms
690:	learn: 0.3066155	total: 1.2s	remaining: 538ms
691:	learn: 0.3064510	total: 1.21s	remaining: 536ms
692:	learn: 0.3063159	total: 1.21s	remaining: 534ms
693:	learn: 0.3060764	total: 1.21s	remaining: 533ms
694:	learn: 0.3060397	total: 1.21s	remaining: 531ms
695:	learn: 0.3059184	total: 1.21s	remaining: 529ms
696:	learn: 0.3057752	total: 1.21s	remaining: 527ms
697:	learn: 0.3056935	total: 1.21s	remaining: 525ms
698:	learn: 0.3056300	total: 1.21s	remaining: 523ms
699:	learn: 0.3054107	total: 1.22s	remaining: 521ms
700:	learn: 0.3054041	total: 1.22s	remaining: 519ms
701:	learn: 0.3053077	total: 1.22s	remaining: 517ms
702:	learn: 0.3050396	total: 1.22s	remaining: 515ms
703:	learn: 0.3049391	total: 1.22s	remaining: 514ms
704:	learn: 0.3048246	total: 1.22s	remaining: 512ms
705:	learn: 0.3046969	total: 1.23s	remaining: 510ms
706:	learn: 0.3046460	total: 1.23s	remaining: 508ms
707:	learn: 0.3044492	total: 1.23s	remaining: 507ms
708:	learn: 0.3043644	total: 1.23s	remaining: 505ms
709:	learn: 0.3042980	total: 1.23s	remaining: 503ms
710:	learn: 0.3042128	total: 1.23s	remaining: 501ms
711:	learn: 0.3040662	total: 1.24s	remaining: 500ms
712:	learn: 0.3038695	total: 1.24s	remaining: 498ms
713:	learn: 0.3038015	total: 1.24s	remaining: 496ms
714:	learn: 0.3036952	total: 1.24s	remaining: 494ms
715:	learn: 0.3035222	total: 1.24s	remaining: 493ms
716:	learn: 0.3033379	total: 1.24s	remaining: 491ms
717:	learn: 0.3032242	total: 1.24s	remaining: 489ms
718:	learn: 0.3031498	total: 1.25s	remaining: 487ms
719:	learn: 0.3030495	total: 1.25s	remaining: 486ms
720:	learn: 0.3028792	total: 1.25s	remaining: 484ms
721:	learn: 0.3027491	total: 1.25s	remaining: 482ms
722:	learn: 0.3026036	total: 1.25s	remaining: 481ms
723:	learn: 0.3025227	total: 1.26s	remaining: 479ms
724:	learn: 0.3023726	total: 1.26s	remaining: 477ms
725:	learn: 0.3022744	total: 1.26s	remaining: 476ms
726:	learn: 0.3022026	total: 1.26s	remaining: 474ms
727:	learn: 0.3021086	total: 1.26s	remaining: 472ms
728:	learn: 0.3019511	total: 1.27s	remaining: 471ms
729:	learn: 0.3019005	total: 1.27s	remaining: 469ms
730:	learn: 0.3018544	total: 1.27s	remaining: 467ms
731:	learn: 0.3017226	total: 1.27s	remaining: 465ms
732:	learn: 0.3015917	total: 1.27s	remaining: 463ms
733:	learn: 0.3014741	total: 1.27s	remaining: 461ms
734:	learn: 0.3013960	total: 1.27s	remaining: 460ms
735:	learn: 0.3012053	total: 1.28s	remaining: 458ms
736:	learn: 0.3011712	total: 1.28s	remaining: 456ms
737:	learn: 0.3009547	total: 1.28s	remaining: 454ms
738:	learn: 0.3008765	total: 1.28s	remaining: 452ms
739:	learn: 0.3007502	total: 1.28s	remaining: 450ms
740:	learn: 0.3006930	total: 1.28s	remaining: 448ms
741:	learn: 0.3006390	total: 1.28s	remaining: 447ms
742:	learn: 0.3003314	total: 1.28s	remaining: 445ms
743:	learn: 0.3001027	total: 1.29s	remaining: 443ms
744:	learn: 0.3000372	total: 1.29s	remaining: 441ms
745:	learn: 0.2999881	total: 1.29s	remaining: 439ms
746:	learn: 0.2999574	total: 1.29s	remaining: 437ms
747:	learn: 0.2997630	total: 1.29s	remaining: 436ms
748:	learn: 0.2996787	total: 1.29s	remaining: 434ms
749:	learn: 0.2995545	total: 1.29s	remaining: 432ms
750:	learn: 0.2995179	total: 1.29s	remaining: 430ms
751:	learn: 0.2994739	total: 1.3s	remaining: 428ms
752:	learn: 0.2993872	total: 1.3s	remaining: 426ms
753:	learn: 0.2992157	total: 1.3s	remaining: 424ms
754:	learn: 0.2991628	total: 1.3s	remaining: 423ms
755:	learn: 0.2991576	total: 1.3s	remaining: 421ms
756:	learn: 0.2990008	total: 1.3s	remaining: 419ms
757:	learn: 0.2988494	total: 1.31s	remaining: 417ms
758:	learn: 0.2986718	total: 1.31s	remaining: 415ms
759:	learn: 0.2985325	total: 1.31s	remaining: 414ms
760:	learn: 0.2984411	total: 1.31s	remaining: 412ms
761:	learn: 0.2983349	total: 1.31s	remaining: 410ms
762:	learn: 0.2981147	total: 1.31s	remaining: 408ms
763:	learn: 0.2979948	total: 1.31s	remaining: 406ms
764:	learn: 0.2978382	total: 1.32s	remaining: 405ms
765:	learn: 0.2977684	total: 1.32s	remaining: 404ms
766:	learn: 0.2977158	total: 1.32s	remaining: 402ms
767:	learn: 0.2976796	total: 1.33s	remaining: 401ms
768:	learn: 0.2975278	total: 1.33s	remaining: 399ms
769:	learn: 0.2974358	total: 1.33s	remaining: 398ms
770:	learn: 0.2972221	total: 1.33s	remaining: 397ms
771:	learn: 0.2971601	total: 1.34s	remaining: 395ms
772:	learn: 0.2969826	total: 1.34s	remaining: 393ms
773:	learn: 0.2968065	total: 1.34s	remaining: 392ms
774:	learn: 0.2965433	total: 1.34s	remaining: 390ms
775:	learn: 0.2964414	total: 1.34s	remaining: 388ms
776:	learn: 0.2963118	total: 1.35s	remaining: 387ms
777:	learn: 0.2960789	total: 1.35s	remaining: 385ms
778:	learn: 0.2958735	total: 1.35s	remaining: 384ms
779:	learn: 0.2957492	total: 1.35s	remaining: 382ms
780:	learn: 0.2956211	total: 1.35s	remaining: 380ms
781:	learn: 0.2955372	total: 1.36s	remaining: 378ms
782:	learn: 0.2954782	total: 1.36s	remaining: 377ms
783:	learn: 0.2953753	total: 1.36s	remaining: 375ms
784:	learn: 0.2953486	total: 1.36s	remaining: 373ms
785:	learn: 0.2951487	total: 1.36s	remaining: 372ms
786:	learn: 0.2950441	total: 1.37s	remaining: 370ms
787:	learn: 0.2949594	total: 1.37s	remaining: 368ms
788:	learn: 0.2948643	total: 1.37s	remaining: 367ms
789:	learn: 0.2947557	total: 1.37s	remaining: 365ms
790:	learn: 0.2946354	total: 1.37s	remaining: 363ms
791:	learn: 0.2945540	total: 1.38s	remaining: 362ms
792:	learn: 0.2945178	total: 1.38s	remaining: 360ms
793:	learn: 0.2944104	total: 1.38s	remaining: 358ms
794:	learn: 0.2942244	total: 1.38s	remaining: 356ms
795:	learn: 0.2940819	total: 1.38s	remaining: 355ms
796:	learn: 0.2939755	total: 1.39s	remaining: 353ms
797:	learn: 0.2938948	total: 1.39s	remaining: 351ms
798:	learn: 0.2938157	total: 1.39s	remaining: 350ms
799:	learn: 0.2937849	total: 1.39s	remaining: 348ms
800:	learn: 0.2935843	total: 1.39s	remaining: 346ms
801:	learn: 0.2934963	total: 1.39s	remaining: 344ms
802:	learn: 0.2933761	total: 1.4s	remaining: 342ms
803:	learn: 0.2933268	total: 1.4s	remaining: 341ms
804:	learn: 0.2932328	total: 1.4s	remaining: 339ms
805:	learn: 0.2931541	total: 1.4s	remaining: 337ms
806:	learn: 0.2930431	total: 1.4s	remaining: 336ms
807:	learn: 0.2928664	total: 1.41s	remaining: 334ms
808:	learn: 0.2927760	total: 1.41s	remaining: 332ms
809:	learn: 0.2925667	total: 1.41s	remaining: 331ms
810:	learn: 0.2924140	total: 1.41s	remaining: 329ms
811:	learn: 0.2923620	total: 1.41s	remaining: 328ms
812:	learn: 0.2923114	total: 1.42s	remaining: 326ms
813:	learn: 0.2921857	total: 1.42s	remaining: 324ms
814:	learn: 0.2921198	total: 1.42s	remaining: 323ms
815:	learn: 0.2920114	total: 1.42s	remaining: 321ms
816:	learn: 0.2918151	total: 1.42s	remaining: 319ms
817:	learn: 0.2917210	total: 1.43s	remaining: 317ms
818:	learn: 0.2916808	total: 1.43s	remaining: 316ms
819:	learn: 0.2915799	total: 1.43s	remaining: 314ms
820:	learn: 0.2914968	total: 1.43s	remaining: 312ms
821:	learn: 0.2914303	total: 1.43s	remaining: 310ms
822:	learn: 0.2913280	total: 1.44s	remaining: 309ms
823:	learn: 0.2911574	total: 1.44s	remaining: 307ms
824:	learn: 0.2910669	total: 1.44s	remaining: 305ms
825:	learn: 0.2908270	total: 1.44s	remaining: 304ms
826:	learn: 0.2906955	total: 1.44s	remaining: 302ms
827:	learn: 0.2906195	total: 1.45s	remaining: 300ms
828:	learn: 0.2905731	total: 1.45s	remaining: 298ms
829:	learn: 0.2904447	total: 1.45s	remaining: 297ms
830:	learn: 0.2903536	total: 1.45s	remaining: 295ms
831:	learn: 0.2902524	total: 1.45s	remaining: 293ms
832:	learn: 0.2902063	total: 1.45s	remaining: 291ms
833:	learn: 0.2901534	total: 1.45s	remaining: 289ms
834:	learn: 0.2900632	total: 1.46s	remaining: 288ms
835:	learn: 0.2900065	total: 1.46s	remaining: 286ms
836:	learn: 0.2899374	total: 1.46s	remaining: 284ms
837:	learn: 0.2898568	total: 1.46s	remaining: 282ms
838:	learn: 0.2897979	total: 1.46s	remaining: 281ms
839:	learn: 0.2897601	total: 1.46s	remaining: 279ms
840:	learn: 0.2896012	total: 1.46s	remaining: 277ms
841:	learn: 0.2895210	total: 1.47s	remaining: 275ms
842:	learn: 0.2893467	total: 1.47s	remaining: 273ms
843:	learn: 0.2892090	total: 1.47s	remaining: 272ms
844:	learn: 0.2890116	total: 1.47s	remaining: 270ms
845:	learn: 0.2887473	total: 1.47s	remaining: 268ms
846:	learn: 0.2886007	total: 1.47s	remaining: 266ms
847:	learn: 0.2885379	total: 1.48s	remaining: 264ms
848:	learn: 0.2884625	total: 1.48s	remaining: 263ms
849:	learn: 0.2884256	total: 1.48s	remaining: 261ms
850:	learn: 0.2883630	total: 1.48s	remaining: 259ms
851:	learn: 0.2882381	total: 1.48s	remaining: 257ms
852:	learn: 0.2882126	total: 1.48s	remaining: 256ms
853:	learn: 0.2880335	total: 1.49s	remaining: 254ms
854:	learn: 0.2879637	total: 1.49s	remaining: 252ms
855:	learn: 0.2878805	total: 1.49s	remaining: 251ms
856:	learn: 0.2878177	total: 1.49s	remaining: 249ms
857:	learn: 0.2876908	total: 1.49s	remaining: 247ms
858:	learn: 0.2874219	total: 1.5s	remaining: 245ms
859:	learn: 0.2873698	total: 1.5s	remaining: 244ms
860:	learn: 0.2872261	total: 1.5s	remaining: 242ms
861:	learn: 0.2871165	total: 1.5s	remaining: 241ms
862:	learn: 0.2870274	total: 1.51s	remaining: 240ms
863:	learn: 0.2869010	total: 1.51s	remaining: 238ms
864:	learn: 0.2868181	total: 1.51s	remaining: 236ms
865:	learn: 0.2867183	total: 1.52s	remaining: 235ms
866:	learn: 0.2865942	total: 1.52s	remaining: 233ms
867:	learn: 0.2865104	total: 1.52s	remaining: 231ms
868:	learn: 0.2864252	total: 1.52s	remaining: 229ms
869:	learn: 0.2863068	total: 1.52s	remaining: 228ms
870:	learn: 0.2861963	total: 1.52s	remaining: 226ms
871:	learn: 0.2861424	total: 1.53s	remaining: 224ms
872:	learn: 0.2860560	total: 1.53s	remaining: 222ms
873:	learn: 0.2859687	total: 1.53s	remaining: 221ms
874:	learn: 0.2859082	total: 1.53s	remaining: 219ms
875:	learn: 0.2858538	total: 1.53s	remaining: 217ms
876:	learn: 0.2858078	total: 1.53s	remaining: 215ms
877:	learn: 0.2857463	total: 1.53s	remaining: 213ms
878:	learn: 0.2856800	total: 1.54s	remaining: 212ms
879:	learn: 0.2855043	total: 1.54s	remaining: 210ms
880:	learn: 0.2853746	total: 1.54s	remaining: 208ms
881:	learn: 0.2849959	total: 1.54s	remaining: 206ms
882:	learn: 0.2849551	total: 1.54s	remaining: 205ms
883:	learn: 0.2849224	total: 1.54s	remaining: 203ms
884:	learn: 0.2847906	total: 1.55s	remaining: 201ms
885:	learn: 0.2845678	total: 1.55s	remaining: 199ms
886:	learn: 0.2845471	total: 1.55s	remaining: 197ms
887:	learn: 0.2844078	total: 1.55s	remaining: 196ms
888:	learn: 0.2842765	total: 1.55s	remaining: 194ms
889:	learn: 0.2841951	total: 1.55s	remaining: 192ms
890:	learn: 0.2841335	total: 1.56s	remaining: 190ms
891:	learn: 0.2840352	total: 1.56s	remaining: 189ms
892:	learn: 0.2839585	total: 1.56s	remaining: 187ms
893:	learn: 0.2838457	total: 1.56s	remaining: 185ms
894:	learn: 0.2837659	total: 1.56s	remaining: 183ms
895:	learn: 0.2836424	total: 1.56s	remaining: 182ms
896:	learn: 0.2833619	total: 1.57s	remaining: 180ms
897:	learn: 0.2833071	total: 1.57s	remaining: 178ms
898:	learn: 0.2830808	total: 1.57s	remaining: 176ms
899:	learn: 0.2830227	total: 1.57s	remaining: 175ms
900:	learn: 0.2829258	total: 1.57s	remaining: 173ms
901:	learn: 0.2827161	total: 1.57s	remaining: 171ms
902:	learn: 0.2824735	total: 1.57s	remaining: 169ms
903:	learn: 0.2823216	total: 1.58s	remaining: 168ms
904:	learn: 0.2820460	total: 1.58s	remaining: 166ms
905:	learn: 0.2819463	total: 1.58s	remaining: 164ms
906:	learn: 0.2818345	total: 1.58s	remaining: 162ms
907:	learn: 0.2817070	total: 1.58s	remaining: 160ms
908:	learn: 0.2816144	total: 1.58s	remaining: 159ms
909:	learn: 0.2815185	total: 1.58s	remaining: 157ms
910:	learn: 0.2814292	total: 1.59s	remaining: 155ms
911:	learn: 0.2813229	total: 1.59s	remaining: 153ms
912:	learn: 0.2812418	total: 1.59s	remaining: 152ms
913:	learn: 0.2811517	total: 1.59s	remaining: 150ms
914:	learn: 0.2809691	total: 1.59s	remaining: 148ms
915:	learn: 0.2809020	total: 1.59s	remaining: 146ms
916:	learn: 0.2808362	total: 1.6s	remaining: 145ms
917:	learn: 0.2807456	total: 1.6s	remaining: 143ms
918:	learn: 0.2806774	total: 1.6s	remaining: 141ms
919:	learn: 0.2805967	total: 1.6s	remaining: 139ms
920:	learn: 0.2804135	total: 1.6s	remaining: 138ms
921:	learn: 0.2802288	total: 1.6s	remaining: 136ms
922:	learn: 0.2801334	total: 1.61s	remaining: 134ms
923:	learn: 0.2799996	total: 1.61s	remaining: 132ms
924:	learn: 0.2798774	total: 1.61s	remaining: 131ms
925:	learn: 0.2797242	total: 1.61s	remaining: 129ms
926:	learn: 0.2795286	total: 1.61s	remaining: 127ms
927:	learn: 0.2794710	total: 1.61s	remaining: 125ms
928:	learn: 0.2793186	total: 1.61s	remaining: 123ms
929:	learn: 0.2792662	total: 1.62s	remaining: 122ms
930:	learn: 0.2791387	total: 1.62s	remaining: 120ms
931:	learn: 0.2788874	total: 1.62s	remaining: 118ms
932:	learn: 0.2787810	total: 1.62s	remaining: 116ms
933:	learn: 0.2785359	total: 1.62s	remaining: 115ms
934:	learn: 0.2782864	total: 1.63s	remaining: 113ms
935:	learn: 0.2782364	total: 1.63s	remaining: 111ms
936:	learn: 0.2781577	total: 1.63s	remaining: 109ms
937:	learn: 0.2781049	total: 1.63s	remaining: 108ms
938:	learn: 0.2780262	total: 1.63s	remaining: 106ms
939:	learn: 0.2779000	total: 1.63s	remaining: 104ms
940:	learn: 0.2778651	total: 1.63s	remaining: 102ms
941:	learn: 0.2777881	total: 1.64s	remaining: 101ms
942:	learn: 0.2775669	total: 1.64s	remaining: 99ms
943:	learn: 0.2774778	total: 1.64s	remaining: 97.3ms
944:	learn: 0.2773867	total: 1.64s	remaining: 95.5ms
945:	learn: 0.2773436	total: 1.64s	remaining: 93.8ms
946:	learn: 0.2772294	total: 1.64s	remaining: 92ms
947:	learn: 0.2770199	total: 1.65s	remaining: 90.3ms
948:	learn: 0.2769432	total: 1.65s	remaining: 88.5ms
949:	learn: 0.2768562	total: 1.65s	remaining: 86.8ms
950:	learn: 0.2767053	total: 1.65s	remaining: 85ms
951:	learn: 0.2765552	total: 1.65s	remaining: 83.3ms
952:	learn: 0.2764256	total: 1.65s	remaining: 81.5ms
953:	learn: 0.2763859	total: 1.65s	remaining: 79.7ms
954:	learn: 0.2763032	total: 1.65s	remaining: 77.9ms
955:	learn: 0.2762157	total: 1.66s	remaining: 76.2ms
956:	learn: 0.2761614	total: 1.66s	remaining: 74.4ms
957:	learn: 0.2760341	total: 1.66s	remaining: 72.7ms
958:	learn: 0.2758778	total: 1.66s	remaining: 70.9ms
959:	learn: 0.2758103	total: 1.66s	remaining: 69.2ms
960:	learn: 0.2757329	total: 1.66s	remaining: 67.4ms
961:	learn: 0.2756788	total: 1.66s	remaining: 65.7ms
962:	learn: 0.2755426	total: 1.66s	remaining: 63.9ms
963:	learn: 0.2754601	total: 1.67s	remaining: 62.2ms
964:	learn: 0.2754429	total: 1.67s	remaining: 60.5ms
965:	learn: 0.2753706	total: 1.67s	remaining: 58.7ms
966:	learn: 0.2753067	total: 1.67s	remaining: 57ms
967:	learn: 0.2752289	total: 1.67s	remaining: 55.2ms
968:	learn: 0.2750765	total: 1.67s	remaining: 53.5ms
969:	learn: 0.2750251	total: 1.67s	remaining: 51.8ms
970:	learn: 0.2749378	total: 1.68s	remaining: 50ms
971:	learn: 0.2748460	total: 1.68s	remaining: 48.3ms
972:	learn: 0.2747106	total: 1.68s	remaining: 46.6ms
973:	learn: 0.2746069	total: 1.68s	remaining: 44.8ms
974:	learn: 0.2745628	total: 1.68s	remaining: 43.1ms
975:	learn: 0.2743987	total: 1.68s	remaining: 41.4ms
976:	learn: 0.2742597	total: 1.69s	remaining: 39.7ms
977:	learn: 0.2742181	total: 1.69s	remaining: 38ms
978:	learn: 0.2741310	total: 1.69s	remaining: 36.2ms
979:	learn: 0.2739881	total: 1.69s	remaining: 34.5ms
980:	learn: 0.2739163	total: 1.69s	remaining: 32.8ms
981:	learn: 0.2738509	total: 1.69s	remaining: 31ms
982:	learn: 0.2737787	total: 1.69s	remaining: 29.3ms
983:	learn: 0.2737311	total: 1.7s	remaining: 27.6ms
984:	learn: 0.2736076	total: 1.7s	remaining: 25.8ms
985:	learn: 0.2735421	total: 1.7s	remaining: 24.1ms
986:	learn: 0.2734852	total: 1.7s	remaining: 22.4ms
987:	learn: 0.2733917	total: 1.7s	remaining: 20.6ms
988:	learn: 0.2733293	total: 1.7s	remaining: 18.9ms
989:	learn: 0.2730990	total: 1.7s	remaining: 17.2ms
990:	learn: 0.2730365	total: 1.7s	remaining: 15.5ms
991:	learn: 0.2729485	total: 1.71s	remaining: 13.8ms
992:	learn: 0.2727718	total: 1.71s	remaining: 12ms
993:	learn: 0.2727012	total: 1.71s	remaining: 10.3ms
994:	learn: 0.2726062	total: 1.71s	remaining: 8.59ms
995:	learn: 0.2724622	total: 1.71s	remaining: 6.87ms
996:	learn: 0.2722898	total: 1.71s	remaining: 5.15ms
997:	learn: 0.2721951	total: 1.71s	remaining: 3.43ms
998:	learn: 0.2720596	total: 1.72s	remaining: 1.72ms
999:	learn: 0.2719870	total: 1.72s	remaining: 0us
Learning rate set to 0.009376
0:	learn: 0.6870720	total: 1.22ms	remaining: 1.22s
1:	learn: 0.6836316	total: 1.83ms	remaining: 914ms
2:	learn: 0.6782466	total: 3.11ms	remaining: 1.03s
3:	learn: 0.6726155	total: 4.52ms	remaining: 1.13s
4:	learn: 0.6672615	total: 5.54ms	remaining: 1.1s
5:	learn: 0.6620676	total: 7.13ms	remaining: 1.18s
6:	learn: 0.6577458	total: 8.08ms	remaining: 1.15s
7:	learn: 0.6523884	total: 9.22ms	remaining: 1.14s
8:	learn: 0.6473924	total: 10.6ms	remaining: 1.16s
9:	learn: 0.6417101	total: 12ms	remaining: 1.19s
10:	learn: 0.6363925	total: 13.3ms	remaining: 1.2s
11:	learn: 0.6315151	total: 14.3ms	remaining: 1.18s
12:	learn: 0.6270662	total: 15.1ms	remaining: 1.14s
13:	learn: 0.6226990	total: 16.2ms	remaining: 1.14s
14:	learn: 0.6185230	total: 16.9ms	remaining: 1.11s
15:	learn: 0.6142648	total: 18.1ms	remaining: 1.11s
16:	learn: 0.6099159	total: 19.4ms	remaining: 1.12s
17:	learn: 0.6061084	total: 20.7ms	remaining: 1.13s
18:	learn: 0.6020574	total: 22.1ms	remaining: 1.14s
19:	learn: 0.5974126	total: 23.6ms	remaining: 1.16s
20:	learn: 0.5935405	total: 24.6ms	remaining: 1.15s
21:	learn: 0.5893255	total: 25.8ms	remaining: 1.15s
22:	learn: 0.5853872	total: 27.5ms	remaining: 1.17s
23:	learn: 0.5814954	total: 29.4ms	remaining: 1.19s
24:	learn: 0.5775641	total: 30.9ms	remaining: 1.21s
25:	learn: 0.5736709	total: 32.1ms	remaining: 1.2s
26:	learn: 0.5700531	total: 33.1ms	remaining: 1.19s
27:	learn: 0.5664320	total: 34.6ms	remaining: 1.2s
28:	learn: 0.5627143	total: 36.1ms	remaining: 1.21s
29:	learn: 0.5594237	total: 37.7ms	remaining: 1.22s
30:	learn: 0.5559559	total: 39.1ms	remaining: 1.22s
31:	learn: 0.5532708	total: 40ms	remaining: 1.21s
32:	learn: 0.5501841	total: 41.2ms	remaining: 1.21s
33:	learn: 0.5475768	total: 42.7ms	remaining: 1.21s
34:	learn: 0.5456383	total: 44.2ms	remaining: 1.22s
35:	learn: 0.5431224	total: 45.4ms	remaining: 1.22s
36:	learn: 0.5408347	total: 46.2ms	remaining: 1.2s
37:	learn: 0.5376886	total: 47.8ms	remaining: 1.21s
38:	learn: 0.5349569	total: 49.1ms	remaining: 1.21s
39:	learn: 0.5323619	total: 50.6ms	remaining: 1.21s
40:	learn: 0.5302200	total: 52.2ms	remaining: 1.22s
41:	learn: 0.5288894	total: 53ms	remaining: 1.21s
42:	learn: 0.5256725	total: 54.6ms	remaining: 1.21s
43:	learn: 0.5230611	total: 56ms	remaining: 1.22s
44:	learn: 0.5203702	total: 57.3ms	remaining: 1.22s
45:	learn: 0.5176744	total: 58.7ms	remaining: 1.22s
46:	learn: 0.5156881	total: 60.4ms	remaining: 1.23s
47:	learn: 0.5129313	total: 61.8ms	remaining: 1.23s
48:	learn: 0.5106715	total: 63.1ms	remaining: 1.22s
49:	learn: 0.5083803	total: 64.5ms	remaining: 1.22s
50:	learn: 0.5065186	total: 65.7ms	remaining: 1.22s
51:	learn: 0.5042916	total: 67.3ms	remaining: 1.23s
52:	learn: 0.5021545	total: 68.7ms	remaining: 1.23s
53:	learn: 0.5002735	total: 70.3ms	remaining: 1.23s
54:	learn: 0.4983232	total: 72.2ms	remaining: 1.24s
55:	learn: 0.4964379	total: 74.2ms	remaining: 1.25s
56:	learn: 0.4942771	total: 75.8ms	remaining: 1.25s
57:	learn: 0.4921228	total: 77.8ms	remaining: 1.26s
58:	learn: 0.4905165	total: 79.3ms	remaining: 1.26s
59:	learn: 0.4890143	total: 80.4ms	remaining: 1.26s
60:	learn: 0.4870678	total: 82.5ms	remaining: 1.27s
61:	learn: 0.4853801	total: 83.8ms	remaining: 1.27s
62:	learn: 0.4835807	total: 85.7ms	remaining: 1.27s
63:	learn: 0.4816805	total: 87.5ms	remaining: 1.28s
64:	learn: 0.4803813	total: 89.3ms	remaining: 1.28s
65:	learn: 0.4784449	total: 90.8ms	remaining: 1.28s
66:	learn: 0.4768813	total: 92.3ms	remaining: 1.28s
67:	learn: 0.4753175	total: 93.8ms	remaining: 1.28s
68:	learn: 0.4738060	total: 95.6ms	remaining: 1.29s
69:	learn: 0.4721525	total: 97.2ms	remaining: 1.29s
70:	learn: 0.4704949	total: 98.9ms	remaining: 1.29s
71:	learn: 0.4688355	total: 100ms	remaining: 1.29s
72:	learn: 0.4675127	total: 102ms	remaining: 1.29s
73:	learn: 0.4661282	total: 105ms	remaining: 1.31s
74:	learn: 0.4644363	total: 106ms	remaining: 1.31s
75:	learn: 0.4631644	total: 108ms	remaining: 1.31s
76:	learn: 0.4617190	total: 110ms	remaining: 1.31s
77:	learn: 0.4608319	total: 111ms	remaining: 1.31s
78:	learn: 0.4598351	total: 113ms	remaining: 1.31s
79:	learn: 0.4585495	total: 114ms	remaining: 1.31s
80:	learn: 0.4572515	total: 115ms	remaining: 1.31s
81:	learn: 0.4558086	total: 117ms	remaining: 1.31s
82:	learn: 0.4544961	total: 118ms	remaining: 1.31s
83:	learn: 0.4536558	total: 120ms	remaining: 1.31s
84:	learn: 0.4525595	total: 122ms	remaining: 1.31s
85:	learn: 0.4514230	total: 123ms	remaining: 1.31s
86:	learn: 0.4500229	total: 125ms	remaining: 1.31s
87:	learn: 0.4489631	total: 127ms	remaining: 1.32s
88:	learn: 0.4477743	total: 129ms	remaining: 1.32s
89:	learn: 0.4465490	total: 131ms	remaining: 1.32s
90:	learn: 0.4454852	total: 133ms	remaining: 1.32s
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91:	learn: 0.4445604	total: 134ms	remaining: 1.32s
92:	learn: 0.4435213	total: 136ms	remaining: 1.32s
93:	learn: 0.4425833	total: 137ms	remaining: 1.32s
94:	learn: 0.4412698	total: 139ms	remaining: 1.32s
95:	learn: 0.4400763	total: 140ms	remaining: 1.32s
96:	learn: 0.4388264	total: 141ms	remaining: 1.31s
97:	learn: 0.4381534	total: 143ms	remaining: 1.31s
98:	learn: 0.4373320	total: 144ms	remaining: 1.31s
99:	learn: 0.4362760	total: 147ms	remaining: 1.32s
100:	learn: 0.4352868	total: 149ms	remaining: 1.32s
101:	learn: 0.4344053	total: 150ms	remaining: 1.32s
102:	learn: 0.4333991	total: 152ms	remaining: 1.32s
103:	learn: 0.4325435	total: 154ms	remaining: 1.33s
104:	learn: 0.4313914	total: 156ms	remaining: 1.33s
105:	learn: 0.4304050	total: 158ms	remaining: 1.33s
106:	learn: 0.4296329	total: 160ms	remaining: 1.33s
107:	learn: 0.4285543	total: 161ms	remaining: 1.33s
108:	learn: 0.4276701	total: 163ms	remaining: 1.33s
109:	learn: 0.4267561	total: 164ms	remaining: 1.33s
110:	learn: 0.4258022	total: 166ms	remaining: 1.33s
111:	learn: 0.4252822	total: 167ms	remaining: 1.33s
112:	learn: 0.4245512	total: 169ms	remaining: 1.32s
113:	learn: 0.4240501	total: 170ms	remaining: 1.32s
114:	learn: 0.4233417	total: 172ms	remaining: 1.32s
115:	learn: 0.4227918	total: 174ms	remaining: 1.32s
116:	learn: 0.4222295	total: 175ms	remaining: 1.32s
117:	learn: 0.4217048	total: 177ms	remaining: 1.32s
118:	learn: 0.4209865	total: 179ms	remaining: 1.32s
119:	learn: 0.4202205	total: 181ms	remaining: 1.33s
120:	learn: 0.4194107	total: 183ms	remaining: 1.33s
121:	learn: 0.4188343	total: 185ms	remaining: 1.33s
122:	learn: 0.4181962	total: 187ms	remaining: 1.33s
123:	learn: 0.4176065	total: 189ms	remaining: 1.33s
124:	learn: 0.4171265	total: 191ms	remaining: 1.33s
125:	learn: 0.4167247	total: 192ms	remaining: 1.33s
126:	learn: 0.4159616	total: 194ms	remaining: 1.33s
127:	learn: 0.4154708	total: 195ms	remaining: 1.33s
128:	learn: 0.4148567	total: 197ms	remaining: 1.33s
129:	learn: 0.4142140	total: 200ms	remaining: 1.34s
130:	learn: 0.4135255	total: 202ms	remaining: 1.34s
131:	learn: 0.4128749	total: 203ms	remaining: 1.34s
132:	learn: 0.4122640	total: 205ms	remaining: 1.33s
133:	learn: 0.4116775	total: 206ms	remaining: 1.33s
134:	learn: 0.4113848	total: 208ms	remaining: 1.33s
135:	learn: 0.4108845	total: 210ms	remaining: 1.33s
136:	learn: 0.4102575	total: 211ms	remaining: 1.33s
137:	learn: 0.4097457	total: 212ms	remaining: 1.32s
138:	learn: 0.4093120	total: 213ms	remaining: 1.32s
139:	learn: 0.4086510	total: 214ms	remaining: 1.32s
140:	learn: 0.4081524	total: 216ms	remaining: 1.31s
141:	learn: 0.4077314	total: 217ms	remaining: 1.31s
142:	learn: 0.4073578	total: 219ms	remaining: 1.31s
143:	learn: 0.4068241	total: 220ms	remaining: 1.31s
144:	learn: 0.4067545	total: 221ms	remaining: 1.3s
145:	learn: 0.4064431	total: 223ms	remaining: 1.3s
146:	learn: 0.4060806	total: 224ms	remaining: 1.3s
147:	learn: 0.4054642	total: 225ms	remaining: 1.3s
148:	learn: 0.4048460	total: 227ms	remaining: 1.3s
149:	learn: 0.4044599	total: 229ms	remaining: 1.3s
150:	learn: 0.4040061	total: 231ms	remaining: 1.3s
151:	learn: 0.4034841	total: 232ms	remaining: 1.3s
152:	learn: 0.4032653	total: 234ms	remaining: 1.29s
153:	learn: 0.4028677	total: 236ms	remaining: 1.3s
154:	learn: 0.4025705	total: 238ms	remaining: 1.3s
155:	learn: 0.4020478	total: 241ms	remaining: 1.3s
156:	learn: 0.4018028	total: 243ms	remaining: 1.3s
157:	learn: 0.4013954	total: 245ms	remaining: 1.3s
158:	learn: 0.4011103	total: 247ms	remaining: 1.31s
159:	learn: 0.4008901	total: 249ms	remaining: 1.31s
160:	learn: 0.4005618	total: 251ms	remaining: 1.31s
161:	learn: 0.4003300	total: 252ms	remaining: 1.3s
162:	learn: 0.3998785	total: 254ms	remaining: 1.3s
163:	learn: 0.3996616	total: 256ms	remaining: 1.3s
164:	learn: 0.3991719	total: 258ms	remaining: 1.31s
165:	learn: 0.3988683	total: 260ms	remaining: 1.31s
166:	learn: 0.3983521	total: 262ms	remaining: 1.3s
167:	learn: 0.3977895	total: 263ms	remaining: 1.3s
168:	learn: 0.3974676	total: 266ms	remaining: 1.31s
169:	learn: 0.3970918	total: 268ms	remaining: 1.31s
170:	learn: 0.3966806	total: 270ms	remaining: 1.31s
171:	learn: 0.3962760	total: 272ms	remaining: 1.31s
172:	learn: 0.3959499	total: 274ms	remaining: 1.31s
173:	learn: 0.3956154	total: 276ms	remaining: 1.31s
174:	learn: 0.3953530	total: 278ms	remaining: 1.31s
175:	learn: 0.3950602	total: 280ms	remaining: 1.31s
176:	learn: 0.3946598	total: 282ms	remaining: 1.31s
177:	learn: 0.3943762	total: 285ms	remaining: 1.31s
178:	learn: 0.3940305	total: 288ms	remaining: 1.32s
179:	learn: 0.3936495	total: 290ms	remaining: 1.32s
180:	learn: 0.3934717	total: 291ms	remaining: 1.32s
181:	learn: 0.3931530	total: 293ms	remaining: 1.32s
182:	learn: 0.3927265	total: 295ms	remaining: 1.32s
183:	learn: 0.3923047	total: 298ms	remaining: 1.32s
184:	learn: 0.3917873	total: 300ms	remaining: 1.32s
185:	learn: 0.3914667	total: 302ms	remaining: 1.32s
186:	learn: 0.3910411	total: 305ms	remaining: 1.32s
187:	learn: 0.3908297	total: 306ms	remaining: 1.32s
188:	learn: 0.3907617	total: 307ms	remaining: 1.32s
189:	learn: 0.3904371	total: 308ms	remaining: 1.31s
190:	learn: 0.3900130	total: 310ms	remaining: 1.31s
191:	learn: 0.3898132	total: 312ms	remaining: 1.31s
192:	learn: 0.3897684	total: 313ms	remaining: 1.31s
193:	learn: 0.3895115	total: 314ms	remaining: 1.31s
194:	learn: 0.3890906	total: 316ms	remaining: 1.3s
195:	learn: 0.3888588	total: 318ms	remaining: 1.3s
196:	learn: 0.3885576	total: 319ms	remaining: 1.3s
197:	learn: 0.3883854	total: 321ms	remaining: 1.3s
198:	learn: 0.3879284	total: 324ms	remaining: 1.3s
199:	learn: 0.3877299	total: 326ms	remaining: 1.3s
200:	learn: 0.3876158	total: 327ms	remaining: 1.3s
201:	learn: 0.3874430	total: 329ms	remaining: 1.3s
202:	learn: 0.3871556	total: 330ms	remaining: 1.3s
203:	learn: 0.3869292	total: 332ms	remaining: 1.3s
204:	learn: 0.3866463	total: 334ms	remaining: 1.29s
205:	learn: 0.3863009	total: 336ms	remaining: 1.29s
206:	learn: 0.3859627	total: 337ms	remaining: 1.29s
207:	learn: 0.3856907	total: 340ms	remaining: 1.29s
208:	learn: 0.3854983	total: 342ms	remaining: 1.29s
209:	learn: 0.3851742	total: 343ms	remaining: 1.29s
210:	learn: 0.3850798	total: 345ms	remaining: 1.29s
211:	learn: 0.3849180	total: 347ms	remaining: 1.29s
212:	learn: 0.3844971	total: 348ms	remaining: 1.29s
213:	learn: 0.3841659	total: 350ms	remaining: 1.28s
214:	learn: 0.3839092	total: 352ms	remaining: 1.28s
215:	learn: 0.3834458	total: 354ms	remaining: 1.28s
216:	learn: 0.3831539	total: 357ms	remaining: 1.29s
217:	learn: 0.3828020	total: 359ms	remaining: 1.29s
218:	learn: 0.3825659	total: 361ms	remaining: 1.29s
219:	learn: 0.3823757	total: 363ms	remaining: 1.29s
220:	learn: 0.3821094	total: 366ms	remaining: 1.29s
221:	learn: 0.3819189	total: 368ms	remaining: 1.29s
222:	learn: 0.3816011	total: 370ms	remaining: 1.29s
223:	learn: 0.3814525	total: 372ms	remaining: 1.29s
224:	learn: 0.3812261	total: 373ms	remaining: 1.29s
225:	learn: 0.3811172	total: 375ms	remaining: 1.28s
226:	learn: 0.3809055	total: 377ms	remaining: 1.28s
227:	learn: 0.3805198	total: 378ms	remaining: 1.28s
228:	learn: 0.3803723	total: 380ms	remaining: 1.28s
229:	learn: 0.3801043	total: 381ms	remaining: 1.28s
230:	learn: 0.3798295	total: 383ms	remaining: 1.27s
231:	learn: 0.3796270	total: 385ms	remaining: 1.27s
232:	learn: 0.3793864	total: 386ms	remaining: 1.27s
233:	learn: 0.3791323	total: 387ms	remaining: 1.27s
234:	learn: 0.3788519	total: 389ms	remaining: 1.27s
235:	learn: 0.3787289	total: 391ms	remaining: 1.27s
236:	learn: 0.3786387	total: 393ms	remaining: 1.26s
237:	learn: 0.3783474	total: 395ms	remaining: 1.26s
238:	learn: 0.3780320	total: 397ms	remaining: 1.26s
239:	learn: 0.3776342	total: 399ms	remaining: 1.26s
240:	learn: 0.3775009	total: 401ms	remaining: 1.26s
241:	learn: 0.3773070	total: 402ms	remaining: 1.26s
242:	learn: 0.3772902	total: 403ms	remaining: 1.26s
243:	learn: 0.3770659	total: 405ms	remaining: 1.25s
244:	learn: 0.3767410	total: 406ms	remaining: 1.25s
245:	learn: 0.3763896	total: 408ms	remaining: 1.25s
246:	learn: 0.3762147	total: 409ms	remaining: 1.25s
247:	learn: 0.3759841	total: 411ms	remaining: 1.25s
248:	learn: 0.3759077	total: 412ms	remaining: 1.24s
249:	learn: 0.3757580	total: 414ms	remaining: 1.24s
250:	learn: 0.3755474	total: 416ms	remaining: 1.24s
251:	learn: 0.3752243	total: 418ms	remaining: 1.24s
252:	learn: 0.3748993	total: 420ms	remaining: 1.24s
253:	learn: 0.3747568	total: 421ms	remaining: 1.24s
254:	learn: 0.3746261	total: 422ms	remaining: 1.23s
255:	learn: 0.3744067	total: 424ms	remaining: 1.23s
256:	learn: 0.3742120	total: 426ms	remaining: 1.23s
257:	learn: 0.3741835	total: 427ms	remaining: 1.23s
258:	learn: 0.3738426	total: 429ms	remaining: 1.23s
259:	learn: 0.3736895	total: 432ms	remaining: 1.23s
260:	learn: 0.3734846	total: 434ms	remaining: 1.23s
261:	learn: 0.3733098	total: 436ms	remaining: 1.23s
262:	learn: 0.3730078	total: 438ms	remaining: 1.23s
263:	learn: 0.3728563	total: 440ms	remaining: 1.23s
264:	learn: 0.3725898	total: 443ms	remaining: 1.23s
265:	learn: 0.3724367	total: 447ms	remaining: 1.23s
266:	learn: 0.3721949	total: 450ms	remaining: 1.24s
267:	learn: 0.3719877	total: 452ms	remaining: 1.23s
268:	learn: 0.3718827	total: 454ms	remaining: 1.23s
269:	learn: 0.3717583	total: 456ms	remaining: 1.23s
270:	learn: 0.3714034	total: 458ms	remaining: 1.23s
271:	learn: 0.3713347	total: 460ms	remaining: 1.23s
272:	learn: 0.3711351	total: 462ms	remaining: 1.23s
273:	learn: 0.3709756	total: 463ms	remaining: 1.23s
274:	learn: 0.3707796	total: 465ms	remaining: 1.23s
275:	learn: 0.3705002	total: 467ms	remaining: 1.23s
276:	learn: 0.3703071	total: 469ms	remaining: 1.22s
277:	learn: 0.3702235	total: 470ms	remaining: 1.22s
278:	learn: 0.3700193	total: 473ms	remaining: 1.22s
279:	learn: 0.3699323	total: 474ms	remaining: 1.22s
280:	learn: 0.3699120	total: 475ms	remaining: 1.22s
281:	learn: 0.3697299	total: 477ms	remaining: 1.21s
282:	learn: 0.3696741	total: 479ms	remaining: 1.21s
283:	learn: 0.3695714	total: 480ms	remaining: 1.21s
284:	learn: 0.3693919	total: 483ms	remaining: 1.21s
285:	learn: 0.3691777	total: 485ms	remaining: 1.21s
286:	learn: 0.3688488	total: 487ms	remaining: 1.21s
287:	learn: 0.3686921	total: 488ms	remaining: 1.21s
288:	learn: 0.3685106	total: 490ms	remaining: 1.21s
289:	learn: 0.3684370	total: 492ms	remaining: 1.2s
290:	learn: 0.3682000	total: 494ms	remaining: 1.2s
291:	learn: 0.3680798	total: 496ms	remaining: 1.2s
292:	learn: 0.3678188	total: 498ms	remaining: 1.2s
293:	learn: 0.3677898	total: 500ms	remaining: 1.2s
294:	learn: 0.3675852	total: 504ms	remaining: 1.2s
295:	learn: 0.3674911	total: 506ms	remaining: 1.2s
296:	learn: 0.3672723	total: 507ms	remaining: 1.2s
297:	learn: 0.3671667	total: 508ms	remaining: 1.2s
298:	learn: 0.3668691	total: 510ms	remaining: 1.2s
299:	learn: 0.3668624	total: 511ms	remaining: 1.19s
300:	learn: 0.3667224	total: 514ms	remaining: 1.19s
301:	learn: 0.3667148	total: 516ms	remaining: 1.19s
302:	learn: 0.3666120	total: 517ms	remaining: 1.19s
303:	learn: 0.3665457	total: 519ms	remaining: 1.19s
304:	learn: 0.3664546	total: 520ms	remaining: 1.19s
305:	learn: 0.3662332	total: 523ms	remaining: 1.19s
306:	learn: 0.3661720	total: 524ms	remaining: 1.18s
307:	learn: 0.3659930	total: 526ms	remaining: 1.18s
308:	learn: 0.3657504	total: 528ms	remaining: 1.18s
309:	learn: 0.3655853	total: 530ms	remaining: 1.18s
310:	learn: 0.3652759	total: 532ms	remaining: 1.18s
311:	learn: 0.3652429	total: 533ms	remaining: 1.18s
312:	learn: 0.3651062	total: 535ms	remaining: 1.17s
313:	learn: 0.3650649	total: 537ms	remaining: 1.17s
314:	learn: 0.3648465	total: 539ms	remaining: 1.17s
315:	learn: 0.3646253	total: 541ms	remaining: 1.17s
316:	learn: 0.3643180	total: 543ms	remaining: 1.17s
317:	learn: 0.3641116	total: 545ms	remaining: 1.17s
318:	learn: 0.3638345	total: 547ms	remaining: 1.17s
319:	learn: 0.3636260	total: 549ms	remaining: 1.17s
320:	learn: 0.3633499	total: 550ms	remaining: 1.16s
321:	learn: 0.3632244	total: 554ms	remaining: 1.17s
322:	learn: 0.3629747	total: 556ms	remaining: 1.16s
323:	learn: 0.3627808	total: 559ms	remaining: 1.17s
324:	learn: 0.3627555	total: 561ms	remaining: 1.16s
325:	learn: 0.3625800	total: 563ms	remaining: 1.16s
326:	learn: 0.3625172	total: 565ms	remaining: 1.16s
327:	learn: 0.3623177	total: 567ms	remaining: 1.16s
328:	learn: 0.3621953	total: 569ms	remaining: 1.16s
329:	learn: 0.3619685	total: 570ms	remaining: 1.16s
330:	learn: 0.3619274	total: 573ms	remaining: 1.16s
331:	learn: 0.3619136	total: 574ms	remaining: 1.15s
332:	learn: 0.3617967	total: 577ms	remaining: 1.16s
333:	learn: 0.3615855	total: 579ms	remaining: 1.16s
334:	learn: 0.3614310	total: 582ms	remaining: 1.15s
335:	learn: 0.3612476	total: 584ms	remaining: 1.15s
336:	learn: 0.3610964	total: 585ms	remaining: 1.15s
337:	learn: 0.3610202	total: 587ms	remaining: 1.15s
338:	learn: 0.3609077	total: 589ms	remaining: 1.15s
339:	learn: 0.3605854	total: 590ms	remaining: 1.15s
340:	learn: 0.3604652	total: 592ms	remaining: 1.14s
341:	learn: 0.3604148	total: 593ms	remaining: 1.14s
342:	learn: 0.3602964	total: 594ms	remaining: 1.14s
343:	learn: 0.3602600	total: 595ms	remaining: 1.13s
344:	learn: 0.3601388	total: 597ms	remaining: 1.13s
345:	learn: 0.3601176	total: 597ms	remaining: 1.13s
346:	learn: 0.3599425	total: 599ms	remaining: 1.13s
347:	learn: 0.3597121	total: 601ms	remaining: 1.13s
348:	learn: 0.3595917	total: 602ms	remaining: 1.12s
349:	learn: 0.3594139	total: 606ms	remaining: 1.13s
350:	learn: 0.3593265	total: 609ms	remaining: 1.13s
351:	learn: 0.3591595	total: 612ms	remaining: 1.13s
352:	learn: 0.3590276	total: 614ms	remaining: 1.12s
353:	learn: 0.3587920	total: 618ms	remaining: 1.13s
354:	learn: 0.3585859	total: 620ms	remaining: 1.13s
355:	learn: 0.3585283	total: 622ms	remaining: 1.12s
356:	learn: 0.3584105	total: 624ms	remaining: 1.12s
357:	learn: 0.3582667	total: 625ms	remaining: 1.12s
358:	learn: 0.3581041	total: 628ms	remaining: 1.12s
359:	learn: 0.3580590	total: 629ms	remaining: 1.12s
360:	learn: 0.3578856	total: 631ms	remaining: 1.12s
361:	learn: 0.3577945	total: 633ms	remaining: 1.12s
362:	learn: 0.3576507	total: 635ms	remaining: 1.11s
363:	learn: 0.3574328	total: 637ms	remaining: 1.11s
364:	learn: 0.3573025	total: 639ms	remaining: 1.11s
365:	learn: 0.3572262	total: 641ms	remaining: 1.11s
366:	learn: 0.3572042	total: 643ms	remaining: 1.11s
367:	learn: 0.3569783	total: 646ms	remaining: 1.11s
368:	learn: 0.3568448	total: 648ms	remaining: 1.11s
369:	learn: 0.3566778	total: 650ms	remaining: 1.11s
370:	learn: 0.3566273	total: 652ms	remaining: 1.1s
371:	learn: 0.3564685	total: 654ms	remaining: 1.1s
372:	learn: 0.3563010	total: 656ms	remaining: 1.1s
373:	learn: 0.3562238	total: 659ms	remaining: 1.1s
374:	learn: 0.3560776	total: 661ms	remaining: 1.1s
375:	learn: 0.3558996	total: 662ms	remaining: 1.1s
376:	learn: 0.3557458	total: 665ms	remaining: 1.1s
377:	learn: 0.3556605	total: 667ms	remaining: 1.1s
378:	learn: 0.3555166	total: 670ms	remaining: 1.1s
379:	learn: 0.3554211	total: 672ms	remaining: 1.1s
380:	learn: 0.3552821	total: 675ms	remaining: 1.09s
381:	learn: 0.3552312	total: 676ms	remaining: 1.09s
382:	learn: 0.3549724	total: 678ms	remaining: 1.09s
383:	learn: 0.3549468	total: 680ms	remaining: 1.09s
384:	learn: 0.3547712	total: 683ms	remaining: 1.09s
385:	learn: 0.3545818	total: 685ms	remaining: 1.09s
386:	learn: 0.3545002	total: 687ms	remaining: 1.09s
387:	learn: 0.3543892	total: 689ms	remaining: 1.08s
388:	learn: 0.3542745	total: 691ms	remaining: 1.08s
389:	learn: 0.3542584	total: 692ms	remaining: 1.08s
390:	learn: 0.3540551	total: 694ms	remaining: 1.08s
391:	learn: 0.3538696	total: 697ms	remaining: 1.08s
392:	learn: 0.3536663	total: 699ms	remaining: 1.08s
393:	learn: 0.3535523	total: 701ms	remaining: 1.08s
394:	learn: 0.3534425	total: 703ms	remaining: 1.08s
395:	learn: 0.3533561	total: 705ms	remaining: 1.07s
396:	learn: 0.3531686	total: 707ms	remaining: 1.07s
397:	learn: 0.3531197	total: 709ms	remaining: 1.07s
398:	learn: 0.3529314	total: 710ms	remaining: 1.07s
399:	learn: 0.3528374	total: 713ms	remaining: 1.07s
400:	learn: 0.3525502	total: 715ms	remaining: 1.07s
401:	learn: 0.3524578	total: 717ms	remaining: 1.07s
402:	learn: 0.3522685	total: 719ms	remaining: 1.06s
403:	learn: 0.3522125	total: 720ms	remaining: 1.06s
404:	learn: 0.3521042	total: 722ms	remaining: 1.06s
405:	learn: 0.3520805	total: 723ms	remaining: 1.06s
406:	learn: 0.3519995	total: 725ms	remaining: 1.06s
407:	learn: 0.3519536	total: 726ms	remaining: 1.05s
408:	learn: 0.3516862	total: 728ms	remaining: 1.05s
409:	learn: 0.3515807	total: 730ms	remaining: 1.05s
410:	learn: 0.3514498	total: 731ms	remaining: 1.05s
411:	learn: 0.3514212	total: 732ms	remaining: 1.04s
412:	learn: 0.3512378	total: 734ms	remaining: 1.04s
413:	learn: 0.3511649	total: 735ms	remaining: 1.04s
414:	learn: 0.3508914	total: 736ms	remaining: 1.04s
415:	learn: 0.3508394	total: 737ms	remaining: 1.03s
416:	learn: 0.3505374	total: 739ms	remaining: 1.03s
417:	learn: 0.3503420	total: 740ms	remaining: 1.03s
418:	learn: 0.3500973	total: 742ms	remaining: 1.03s
419:	learn: 0.3498944	total: 744ms	remaining: 1.03s
420:	learn: 0.3496916	total: 746ms	remaining: 1.02s
421:	learn: 0.3494933	total: 748ms	remaining: 1.02s
422:	learn: 0.3493074	total: 750ms	remaining: 1.02s
423:	learn: 0.3490359	total: 751ms	remaining: 1.02s
424:	learn: 0.3489496	total: 753ms	remaining: 1.02s
425:	learn: 0.3489421	total: 754ms	remaining: 1.02s
426:	learn: 0.3488699	total: 756ms	remaining: 1.01s
427:	learn: 0.3485820	total: 758ms	remaining: 1.01s
428:	learn: 0.3484322	total: 760ms	remaining: 1.01s
429:	learn: 0.3483073	total: 761ms	remaining: 1.01s
430:	learn: 0.3481714	total: 763ms	remaining: 1.01s
431:	learn: 0.3480579	total: 765ms	remaining: 1s
432:	learn: 0.3478709	total: 767ms	remaining: 1s
433:	learn: 0.3477825	total: 769ms	remaining: 1s
434:	learn: 0.3476585	total: 771ms	remaining: 1s
435:	learn: 0.3474682	total: 772ms	remaining: 999ms
436:	learn: 0.3473385	total: 774ms	remaining: 997ms
437:	learn: 0.3473239	total: 775ms	remaining: 994ms
438:	learn: 0.3472466	total: 777ms	remaining: 993ms
439:	learn: 0.3472052	total: 780ms	remaining: 993ms
440:	learn: 0.3471044	total: 782ms	remaining: 991ms
441:	learn: 0.3469972	total: 785ms	remaining: 992ms
442:	learn: 0.3468882	total: 787ms	remaining: 990ms
443:	learn: 0.3466249	total: 789ms	remaining: 987ms
444:	learn: 0.3465673	total: 790ms	remaining: 986ms
445:	learn: 0.3463329	total: 792ms	remaining: 984ms
446:	learn: 0.3461596	total: 794ms	remaining: 982ms
447:	learn: 0.3460779	total: 796ms	remaining: 981ms
448:	learn: 0.3459330	total: 798ms	remaining: 979ms
449:	learn: 0.3457695	total: 799ms	remaining: 977ms
450:	learn: 0.3457182	total: 801ms	remaining: 975ms
451:	learn: 0.3455968	total: 803ms	remaining: 973ms
452:	learn: 0.3454901	total: 804ms	remaining: 971ms
453:	learn: 0.3454659	total: 805ms	remaining: 969ms
454:	learn: 0.3453901	total: 807ms	remaining: 967ms
455:	learn: 0.3453230	total: 809ms	remaining: 965ms
456:	learn: 0.3452365	total: 810ms	remaining: 962ms
457:	learn: 0.3450779	total: 812ms	remaining: 961ms
458:	learn: 0.3449295	total: 814ms	remaining: 959ms
459:	learn: 0.3447970	total: 815ms	remaining: 957ms
460:	learn: 0.3446766	total: 817ms	remaining: 955ms
461:	learn: 0.3444889	total: 819ms	remaining: 953ms
462:	learn: 0.3444341	total: 820ms	remaining: 951ms
463:	learn: 0.3443749	total: 822ms	remaining: 949ms
464:	learn: 0.3442467	total: 824ms	remaining: 948ms
465:	learn: 0.3441232	total: 827ms	remaining: 948ms
466:	learn: 0.3440980	total: 828ms	remaining: 945ms
467:	learn: 0.3440425	total: 830ms	remaining: 943ms
468:	learn: 0.3439197	total: 831ms	remaining: 941ms
469:	learn: 0.3438272	total: 833ms	remaining: 939ms
470:	learn: 0.3437253	total: 834ms	remaining: 937ms
471:	learn: 0.3436194	total: 836ms	remaining: 935ms
472:	learn: 0.3435644	total: 838ms	remaining: 933ms
473:	learn: 0.3433959	total: 840ms	remaining: 932ms
474:	learn: 0.3432851	total: 841ms	remaining: 930ms
475:	learn: 0.3432750	total: 842ms	remaining: 927ms
476:	learn: 0.3430931	total: 844ms	remaining: 925ms
477:	learn: 0.3429582	total: 846ms	remaining: 924ms
478:	learn: 0.3428993	total: 847ms	remaining: 922ms
479:	learn: 0.3427995	total: 849ms	remaining: 920ms
480:	learn: 0.3427383	total: 851ms	remaining: 918ms
481:	learn: 0.3426593	total: 852ms	remaining: 916ms
482:	learn: 0.3425126	total: 854ms	remaining: 914ms
483:	learn: 0.3424010	total: 856ms	remaining: 913ms
484:	learn: 0.3423188	total: 858ms	remaining: 911ms
485:	learn: 0.3421423	total: 860ms	remaining: 910ms
486:	learn: 0.3420620	total: 862ms	remaining: 908ms
487:	learn: 0.3418384	total: 864ms	remaining: 906ms
488:	learn: 0.3418023	total: 866ms	remaining: 905ms
489:	learn: 0.3416067	total: 868ms	remaining: 903ms
490:	learn: 0.3414498	total: 870ms	remaining: 902ms
491:	learn: 0.3413838	total: 871ms	remaining: 900ms
492:	learn: 0.3413032	total: 873ms	remaining: 898ms
493:	learn: 0.3411798	total: 874ms	remaining: 896ms
494:	learn: 0.3410362	total: 876ms	remaining: 894ms
495:	learn: 0.3409314	total: 878ms	remaining: 892ms
496:	learn: 0.3407932	total: 879ms	remaining: 890ms
497:	learn: 0.3406847	total: 880ms	remaining: 888ms
498:	learn: 0.3405166	total: 882ms	remaining: 885ms
499:	learn: 0.3404199	total: 883ms	remaining: 883ms
500:	learn: 0.3403649	total: 885ms	remaining: 881ms
501:	learn: 0.3403017	total: 886ms	remaining: 879ms
502:	learn: 0.3402238	total: 889ms	remaining: 878ms
503:	learn: 0.3401963	total: 890ms	remaining: 876ms
504:	learn: 0.3399884	total: 893ms	remaining: 875ms
505:	learn: 0.3399386	total: 896ms	remaining: 875ms
506:	learn: 0.3398217	total: 898ms	remaining: 874ms
507:	learn: 0.3397706	total: 900ms	remaining: 871ms
508:	learn: 0.3396915	total: 903ms	remaining: 871ms
509:	learn: 0.3395227	total: 905ms	remaining: 869ms
510:	learn: 0.3393703	total: 907ms	remaining: 868ms
511:	learn: 0.3391115	total: 909ms	remaining: 866ms
512:	learn: 0.3389568	total: 910ms	remaining: 864ms
513:	learn: 0.3388195	total: 913ms	remaining: 863ms
514:	learn: 0.3386966	total: 914ms	remaining: 861ms
515:	learn: 0.3385500	total: 916ms	remaining: 859ms
516:	learn: 0.3384378	total: 918ms	remaining: 857ms
517:	learn: 0.3383269	total: 919ms	remaining: 855ms
518:	learn: 0.3383148	total: 921ms	remaining: 854ms
519:	learn: 0.3381678	total: 923ms	remaining: 852ms
520:	learn: 0.3380562	total: 924ms	remaining: 850ms
521:	learn: 0.3379458	total: 927ms	remaining: 848ms
522:	learn: 0.3377596	total: 929ms	remaining: 847ms
523:	learn: 0.3376601	total: 931ms	remaining: 845ms
524:	learn: 0.3375677	total: 933ms	remaining: 844ms
525:	learn: 0.3374662	total: 935ms	remaining: 843ms
526:	learn: 0.3373378	total: 938ms	remaining: 842ms
527:	learn: 0.3370474	total: 940ms	remaining: 840ms
528:	learn: 0.3368776	total: 942ms	remaining: 839ms
529:	learn: 0.3368634	total: 943ms	remaining: 836ms
530:	learn: 0.3367491	total: 945ms	remaining: 834ms
531:	learn: 0.3366038	total: 946ms	remaining: 832ms
532:	learn: 0.3365800	total: 948ms	remaining: 830ms
533:	learn: 0.3365182	total: 950ms	remaining: 829ms
534:	learn: 0.3364730	total: 951ms	remaining: 827ms
535:	learn: 0.3363831	total: 954ms	remaining: 826ms
536:	learn: 0.3362652	total: 958ms	remaining: 826ms
537:	learn: 0.3360945	total: 960ms	remaining: 825ms
538:	learn: 0.3359711	total: 962ms	remaining: 823ms
539:	learn: 0.3358402	total: 964ms	remaining: 821ms
540:	learn: 0.3356703	total: 967ms	remaining: 820ms
541:	learn: 0.3356631	total: 968ms	remaining: 818ms
542:	learn: 0.3354018	total: 970ms	remaining: 816ms
543:	learn: 0.3353428	total: 972ms	remaining: 814ms
544:	learn: 0.3352364	total: 973ms	remaining: 813ms
545:	learn: 0.3352238	total: 975ms	remaining: 811ms
546:	learn: 0.3350839	total: 976ms	remaining: 809ms
547:	learn: 0.3350182	total: 979ms	remaining: 807ms
548:	learn: 0.3349036	total: 981ms	remaining: 806ms
549:	learn: 0.3348006	total: 982ms	remaining: 803ms
550:	learn: 0.3345636	total: 984ms	remaining: 802ms
551:	learn: 0.3344652	total: 986ms	remaining: 800ms
552:	learn: 0.3344101	total: 988ms	remaining: 799ms
553:	learn: 0.3343683	total: 991ms	remaining: 797ms
554:	learn: 0.3342181	total: 993ms	remaining: 796ms
555:	learn: 0.3341821	total: 995ms	remaining: 795ms
556:	learn: 0.3341711	total: 996ms	remaining: 792ms
557:	learn: 0.3340903	total: 998ms	remaining: 790ms
558:	learn: 0.3340577	total: 999ms	remaining: 788ms
559:	learn: 0.3340359	total: 1s	remaining: 787ms
560:	learn: 0.3339234	total: 1s	remaining: 785ms
561:	learn: 0.3338497	total: 1s	remaining: 783ms
562:	learn: 0.3337454	total: 1.01s	remaining: 782ms
563:	learn: 0.3336960	total: 1.01s	remaining: 780ms
564:	learn: 0.3335797	total: 1.01s	remaining: 779ms
565:	learn: 0.3334576	total: 1.01s	remaining: 777ms
566:	learn: 0.3333238	total: 1.01s	remaining: 775ms
567:	learn: 0.3332511	total: 1.02s	remaining: 773ms
568:	learn: 0.3331688	total: 1.02s	remaining: 772ms
569:	learn: 0.3331565	total: 1.02s	remaining: 770ms
570:	learn: 0.3328868	total: 1.02s	remaining: 768ms
571:	learn: 0.3326897	total: 1.02s	remaining: 767ms
572:	learn: 0.3325985	total: 1.03s	remaining: 765ms
573:	learn: 0.3324188	total: 1.03s	remaining: 764ms
574:	learn: 0.3323130	total: 1.03s	remaining: 762ms
575:	learn: 0.3322801	total: 1.03s	remaining: 760ms
576:	learn: 0.3320702	total: 1.03s	remaining: 758ms
577:	learn: 0.3319144	total: 1.04s	remaining: 756ms
578:	learn: 0.3317988	total: 1.04s	remaining: 755ms
579:	learn: 0.3317185	total: 1.04s	remaining: 753ms
580:	learn: 0.3315972	total: 1.04s	remaining: 751ms
581:	learn: 0.3314497	total: 1.04s	remaining: 750ms
582:	learn: 0.3312995	total: 1.05s	remaining: 748ms
583:	learn: 0.3312110	total: 1.05s	remaining: 746ms
584:	learn: 0.3311154	total: 1.05s	remaining: 745ms
585:	learn: 0.3310947	total: 1.05s	remaining: 743ms
586:	learn: 0.3309937	total: 1.05s	remaining: 741ms
587:	learn: 0.3308939	total: 1.05s	remaining: 739ms
588:	learn: 0.3307893	total: 1.06s	remaining: 737ms
589:	learn: 0.3306606	total: 1.06s	remaining: 735ms
590:	learn: 0.3305295	total: 1.06s	remaining: 734ms
591:	learn: 0.3305163	total: 1.06s	remaining: 732ms
592:	learn: 0.3303647	total: 1.06s	remaining: 730ms
593:	learn: 0.3302044	total: 1.06s	remaining: 728ms
594:	learn: 0.3301403	total: 1.07s	remaining: 726ms
595:	learn: 0.3300025	total: 1.07s	remaining: 724ms
596:	learn: 0.3298870	total: 1.07s	remaining: 722ms
597:	learn: 0.3297971	total: 1.07s	remaining: 720ms
598:	learn: 0.3296762	total: 1.07s	remaining: 719ms
599:	learn: 0.3294816	total: 1.07s	remaining: 717ms
600:	learn: 0.3292403	total: 1.08s	remaining: 715ms
601:	learn: 0.3291737	total: 1.08s	remaining: 713ms
602:	learn: 0.3290228	total: 1.08s	remaining: 711ms
603:	learn: 0.3288287	total: 1.08s	remaining: 709ms
604:	learn: 0.3287468	total: 1.08s	remaining: 707ms
605:	learn: 0.3287157	total: 1.08s	remaining: 706ms
606:	learn: 0.3286401	total: 1.09s	remaining: 704ms
607:	learn: 0.3285294	total: 1.09s	remaining: 702ms
608:	learn: 0.3284630	total: 1.09s	remaining: 701ms
609:	learn: 0.3283117	total: 1.09s	remaining: 700ms
610:	learn: 0.3282338	total: 1.1s	remaining: 699ms
611:	learn: 0.3281056	total: 1.1s	remaining: 698ms
612:	learn: 0.3279918	total: 1.1s	remaining: 697ms
613:	learn: 0.3278733	total: 1.11s	remaining: 695ms
614:	learn: 0.3277865	total: 1.11s	remaining: 693ms
615:	learn: 0.3275938	total: 1.11s	remaining: 692ms
616:	learn: 0.3275577	total: 1.11s	remaining: 689ms
617:	learn: 0.3273492	total: 1.11s	remaining: 687ms
618:	learn: 0.3272156	total: 1.11s	remaining: 685ms
619:	learn: 0.3271955	total: 1.11s	remaining: 683ms
620:	learn: 0.3270382	total: 1.11s	remaining: 681ms
621:	learn: 0.3269211	total: 1.12s	remaining: 679ms
622:	learn: 0.3268332	total: 1.12s	remaining: 677ms
623:	learn: 0.3267367	total: 1.12s	remaining: 675ms
624:	learn: 0.3266564	total: 1.12s	remaining: 673ms
625:	learn: 0.3265685	total: 1.12s	remaining: 671ms
626:	learn: 0.3265236	total: 1.12s	remaining: 669ms
627:	learn: 0.3264368	total: 1.13s	remaining: 667ms
628:	learn: 0.3262769	total: 1.13s	remaining: 666ms
629:	learn: 0.3262479	total: 1.13s	remaining: 664ms
630:	learn: 0.3261618	total: 1.13s	remaining: 662ms
631:	learn: 0.3260653	total: 1.13s	remaining: 660ms
632:	learn: 0.3260636	total: 1.13s	remaining: 658ms
633:	learn: 0.3259056	total: 1.14s	remaining: 656ms
634:	learn: 0.3258287	total: 1.14s	remaining: 654ms
635:	learn: 0.3257468	total: 1.14s	remaining: 652ms
636:	learn: 0.3255632	total: 1.14s	remaining: 649ms
637:	learn: 0.3254426	total: 1.14s	remaining: 647ms
638:	learn: 0.3253998	total: 1.14s	remaining: 645ms
639:	learn: 0.3253328	total: 1.14s	remaining: 643ms
640:	learn: 0.3252475	total: 1.15s	remaining: 641ms
641:	learn: 0.3250923	total: 1.15s	remaining: 640ms
642:	learn: 0.3249952	total: 1.15s	remaining: 638ms
643:	learn: 0.3248767	total: 1.15s	remaining: 636ms
644:	learn: 0.3247499	total: 1.15s	remaining: 634ms
645:	learn: 0.3246066	total: 1.15s	remaining: 631ms
646:	learn: 0.3245252	total: 1.15s	remaining: 629ms
647:	learn: 0.3244989	total: 1.16s	remaining: 628ms
648:	learn: 0.3242636	total: 1.16s	remaining: 626ms
649:	learn: 0.3241990	total: 1.16s	remaining: 624ms
650:	learn: 0.3240237	total: 1.16s	remaining: 622ms
651:	learn: 0.3239323	total: 1.16s	remaining: 620ms
652:	learn: 0.3238599	total: 1.16s	remaining: 618ms
653:	learn: 0.3237866	total: 1.17s	remaining: 616ms
654:	learn: 0.3237701	total: 1.17s	remaining: 614ms
655:	learn: 0.3236403	total: 1.17s	remaining: 612ms
656:	learn: 0.3234456	total: 1.17s	remaining: 611ms
657:	learn: 0.3233001	total: 1.17s	remaining: 609ms
658:	learn: 0.3231638	total: 1.17s	remaining: 607ms
659:	learn: 0.3231403	total: 1.17s	remaining: 605ms
660:	learn: 0.3229550	total: 1.18s	remaining: 603ms
661:	learn: 0.3229541	total: 1.18s	remaining: 601ms
662:	learn: 0.3228965	total: 1.18s	remaining: 599ms
663:	learn: 0.3228394	total: 1.18s	remaining: 598ms
664:	learn: 0.3226641	total: 1.18s	remaining: 596ms
665:	learn: 0.3226096	total: 1.18s	remaining: 594ms
666:	learn: 0.3223931	total: 1.19s	remaining: 592ms
667:	learn: 0.3223782	total: 1.19s	remaining: 590ms
668:	learn: 0.3222907	total: 1.19s	remaining: 589ms
669:	learn: 0.3221714	total: 1.19s	remaining: 587ms
670:	learn: 0.3220912	total: 1.19s	remaining: 586ms
671:	learn: 0.3219686	total: 1.2s	remaining: 584ms
672:	learn: 0.3218290	total: 1.2s	remaining: 582ms
673:	learn: 0.3216139	total: 1.2s	remaining: 580ms
674:	learn: 0.3215510	total: 1.2s	remaining: 579ms
675:	learn: 0.3214553	total: 1.2s	remaining: 577ms
676:	learn: 0.3211906	total: 1.21s	remaining: 575ms
677:	learn: 0.3211682	total: 1.21s	remaining: 573ms
678:	learn: 0.3210291	total: 1.21s	remaining: 571ms
679:	learn: 0.3209537	total: 1.21s	remaining: 570ms
680:	learn: 0.3207326	total: 1.21s	remaining: 568ms
681:	learn: 0.3204941	total: 1.21s	remaining: 566ms
682:	learn: 0.3203576	total: 1.22s	remaining: 564ms
683:	learn: 0.3202743	total: 1.22s	remaining: 562ms
684:	learn: 0.3201268	total: 1.22s	remaining: 560ms
685:	learn: 0.3200036	total: 1.22s	remaining: 559ms
686:	learn: 0.3199137	total: 1.22s	remaining: 557ms
687:	learn: 0.3197293	total: 1.22s	remaining: 555ms
688:	learn: 0.3196293	total: 1.22s	remaining: 553ms
689:	learn: 0.3194205	total: 1.23s	remaining: 551ms
690:	learn: 0.3193380	total: 1.23s	remaining: 549ms
691:	learn: 0.3191969	total: 1.23s	remaining: 547ms
692:	learn: 0.3191505	total: 1.23s	remaining: 545ms
693:	learn: 0.3191082	total: 1.23s	remaining: 543ms
694:	learn: 0.3190510	total: 1.23s	remaining: 541ms
695:	learn: 0.3189908	total: 1.23s	remaining: 539ms
696:	learn: 0.3188544	total: 1.24s	remaining: 537ms
697:	learn: 0.3185843	total: 1.24s	remaining: 535ms
698:	learn: 0.3185394	total: 1.24s	remaining: 533ms
699:	learn: 0.3184119	total: 1.24s	remaining: 532ms
700:	learn: 0.3183084	total: 1.24s	remaining: 530ms
701:	learn: 0.3182263	total: 1.24s	remaining: 528ms
702:	learn: 0.3181431	total: 1.25s	remaining: 526ms
703:	learn: 0.3178347	total: 1.25s	remaining: 524ms
704:	learn: 0.3176305	total: 1.25s	remaining: 522ms
705:	learn: 0.3175104	total: 1.25s	remaining: 521ms
706:	learn: 0.3174093	total: 1.25s	remaining: 519ms
707:	learn: 0.3173526	total: 1.25s	remaining: 517ms
708:	learn: 0.3172524	total: 1.25s	remaining: 515ms
709:	learn: 0.3171524	total: 1.25s	remaining: 513ms
710:	learn: 0.3169930	total: 1.26s	remaining: 511ms
711:	learn: 0.3168683	total: 1.26s	remaining: 509ms
712:	learn: 0.3168436	total: 1.26s	remaining: 507ms
713:	learn: 0.3167825	total: 1.26s	remaining: 505ms
714:	learn: 0.3166521	total: 1.26s	remaining: 503ms
715:	learn: 0.3165870	total: 1.26s	remaining: 501ms
716:	learn: 0.3164948	total: 1.26s	remaining: 499ms
717:	learn: 0.3164659	total: 1.27s	remaining: 497ms
718:	learn: 0.3162061	total: 1.27s	remaining: 495ms
719:	learn: 0.3161612	total: 1.27s	remaining: 493ms
720:	learn: 0.3161148	total: 1.27s	remaining: 491ms
721:	learn: 0.3161110	total: 1.27s	remaining: 489ms
722:	learn: 0.3159780	total: 1.27s	remaining: 487ms
723:	learn: 0.3158731	total: 1.27s	remaining: 485ms
724:	learn: 0.3157965	total: 1.27s	remaining: 484ms
725:	learn: 0.3157489	total: 1.27s	remaining: 482ms
726:	learn: 0.3156210	total: 1.28s	remaining: 480ms
727:	learn: 0.3155897	total: 1.28s	remaining: 478ms
728:	learn: 0.3155084	total: 1.28s	remaining: 476ms
729:	learn: 0.3154429	total: 1.28s	remaining: 474ms
730:	learn: 0.3152972	total: 1.28s	remaining: 472ms
731:	learn: 0.3152298	total: 1.28s	remaining: 470ms
732:	learn: 0.3151912	total: 1.29s	remaining: 469ms
733:	learn: 0.3151563	total: 1.29s	remaining: 467ms
734:	learn: 0.3150504	total: 1.29s	remaining: 465ms
735:	learn: 0.3150387	total: 1.29s	remaining: 463ms
736:	learn: 0.3149649	total: 1.29s	remaining: 461ms
737:	learn: 0.3148891	total: 1.29s	remaining: 460ms
738:	learn: 0.3147029	total: 1.3s	remaining: 458ms
739:	learn: 0.3145414	total: 1.3s	remaining: 456ms
740:	learn: 0.3145180	total: 1.3s	remaining: 454ms
741:	learn: 0.3144166	total: 1.3s	remaining: 453ms
742:	learn: 0.3143509	total: 1.3s	remaining: 451ms
743:	learn: 0.3141925	total: 1.31s	remaining: 450ms
744:	learn: 0.3139458	total: 1.31s	remaining: 448ms
745:	learn: 0.3136576	total: 1.31s	remaining: 447ms
746:	learn: 0.3135381	total: 1.31s	remaining: 445ms
747:	learn: 0.3135139	total: 1.31s	remaining: 443ms
748:	learn: 0.3134422	total: 1.31s	remaining: 441ms
749:	learn: 0.3134285	total: 1.32s	remaining: 439ms
750:	learn: 0.3133448	total: 1.32s	remaining: 437ms
751:	learn: 0.3132919	total: 1.32s	remaining: 435ms
752:	learn: 0.3131265	total: 1.32s	remaining: 433ms
753:	learn: 0.3129221	total: 1.32s	remaining: 431ms
754:	learn: 0.3128638	total: 1.32s	remaining: 430ms
755:	learn: 0.3127639	total: 1.32s	remaining: 428ms
756:	learn: 0.3127323	total: 1.33s	remaining: 426ms
757:	learn: 0.3126394	total: 1.33s	remaining: 424ms
758:	learn: 0.3124887	total: 1.33s	remaining: 423ms
759:	learn: 0.3124472	total: 1.33s	remaining: 421ms
760:	learn: 0.3123230	total: 1.33s	remaining: 419ms
761:	learn: 0.3121757	total: 1.33s	remaining: 417ms
762:	learn: 0.3120161	total: 1.34s	remaining: 415ms
763:	learn: 0.3118238	total: 1.34s	remaining: 413ms
764:	learn: 0.3117304	total: 1.34s	remaining: 412ms
765:	learn: 0.3116159	total: 1.34s	remaining: 410ms
766:	learn: 0.3115844	total: 1.34s	remaining: 408ms
767:	learn: 0.3114792	total: 1.34s	remaining: 406ms
768:	learn: 0.3113513	total: 1.35s	remaining: 405ms
769:	learn: 0.3113203	total: 1.35s	remaining: 403ms
770:	learn: 0.3112190	total: 1.35s	remaining: 401ms
771:	learn: 0.3111202	total: 1.35s	remaining: 399ms
772:	learn: 0.3110161	total: 1.35s	remaining: 397ms
773:	learn: 0.3108803	total: 1.35s	remaining: 396ms
774:	learn: 0.3108224	total: 1.36s	remaining: 394ms
775:	learn: 0.3108015	total: 1.36s	remaining: 392ms
776:	learn: 0.3106800	total: 1.36s	remaining: 390ms
777:	learn: 0.3106416	total: 1.36s	remaining: 388ms
778:	learn: 0.3105488	total: 1.36s	remaining: 386ms
779:	learn: 0.3103960	total: 1.36s	remaining: 384ms
780:	learn: 0.3102652	total: 1.36s	remaining: 383ms
781:	learn: 0.3101236	total: 1.36s	remaining: 381ms
782:	learn: 0.3100674	total: 1.37s	remaining: 379ms
783:	learn: 0.3099543	total: 1.37s	remaining: 377ms
784:	learn: 0.3097079	total: 1.37s	remaining: 375ms
785:	learn: 0.3096021	total: 1.37s	remaining: 373ms
786:	learn: 0.3095368	total: 1.37s	remaining: 371ms
787:	learn: 0.3094607	total: 1.37s	remaining: 370ms
788:	learn: 0.3093854	total: 1.37s	remaining: 368ms
789:	learn: 0.3090681	total: 1.38s	remaining: 366ms
790:	learn: 0.3090528	total: 1.38s	remaining: 364ms
791:	learn: 0.3089762	total: 1.38s	remaining: 362ms
792:	learn: 0.3089329	total: 1.38s	remaining: 360ms
793:	learn: 0.3087916	total: 1.38s	remaining: 358ms
794:	learn: 0.3086514	total: 1.38s	remaining: 357ms
795:	learn: 0.3085848	total: 1.38s	remaining: 355ms
796:	learn: 0.3084845	total: 1.39s	remaining: 353ms
797:	learn: 0.3083330	total: 1.39s	remaining: 351ms
798:	learn: 0.3082572	total: 1.39s	remaining: 349ms
799:	learn: 0.3081524	total: 1.39s	remaining: 347ms
800:	learn: 0.3081179	total: 1.39s	remaining: 346ms
801:	learn: 0.3080303	total: 1.39s	remaining: 344ms
802:	learn: 0.3079297	total: 1.39s	remaining: 342ms
803:	learn: 0.3078098	total: 1.4s	remaining: 340ms
804:	learn: 0.3077316	total: 1.4s	remaining: 338ms
805:	learn: 0.3075961	total: 1.4s	remaining: 337ms
806:	learn: 0.3075363	total: 1.4s	remaining: 335ms
807:	learn: 0.3074709	total: 1.4s	remaining: 333ms
808:	learn: 0.3073701	total: 1.4s	remaining: 331ms
809:	learn: 0.3072596	total: 1.41s	remaining: 330ms
810:	learn: 0.3071140	total: 1.41s	remaining: 328ms
811:	learn: 0.3070206	total: 1.41s	remaining: 326ms
812:	learn: 0.3069533	total: 1.41s	remaining: 325ms
813:	learn: 0.3069061	total: 1.41s	remaining: 323ms
814:	learn: 0.3066792	total: 1.41s	remaining: 321ms
815:	learn: 0.3066173	total: 1.42s	remaining: 319ms
816:	learn: 0.3064994	total: 1.42s	remaining: 317ms
817:	learn: 0.3063731	total: 1.42s	remaining: 316ms
818:	learn: 0.3062709	total: 1.42s	remaining: 314ms
819:	learn: 0.3062283	total: 1.42s	remaining: 312ms
820:	learn: 0.3061004	total: 1.42s	remaining: 310ms
821:	learn: 0.3059504	total: 1.42s	remaining: 309ms
822:	learn: 0.3058655	total: 1.43s	remaining: 307ms
823:	learn: 0.3057468	total: 1.43s	remaining: 305ms
824:	learn: 0.3057077	total: 1.43s	remaining: 303ms
825:	learn: 0.3054728	total: 1.43s	remaining: 302ms
826:	learn: 0.3053824	total: 1.43s	remaining: 300ms
827:	learn: 0.3052298	total: 1.44s	remaining: 298ms
828:	learn: 0.3051676	total: 1.44s	remaining: 296ms
829:	learn: 0.3050708	total: 1.44s	remaining: 295ms
830:	learn: 0.3050124	total: 1.44s	remaining: 293ms
831:	learn: 0.3049470	total: 1.44s	remaining: 291ms
832:	learn: 0.3048548	total: 1.44s	remaining: 289ms
833:	learn: 0.3046866	total: 1.44s	remaining: 288ms
834:	learn: 0.3043864	total: 1.45s	remaining: 286ms
835:	learn: 0.3043374	total: 1.45s	remaining: 284ms
836:	learn: 0.3042647	total: 1.45s	remaining: 283ms
837:	learn: 0.3041923	total: 1.45s	remaining: 281ms
838:	learn: 0.3040859	total: 1.45s	remaining: 279ms
839:	learn: 0.3040093	total: 1.46s	remaining: 277ms
840:	learn: 0.3039571	total: 1.46s	remaining: 275ms
841:	learn: 0.3038518	total: 1.46s	remaining: 274ms
842:	learn: 0.3036536	total: 1.46s	remaining: 272ms
843:	learn: 0.3035461	total: 1.46s	remaining: 270ms
844:	learn: 0.3034584	total: 1.46s	remaining: 268ms
845:	learn: 0.3032920	total: 1.46s	remaining: 267ms
846:	learn: 0.3032473	total: 1.47s	remaining: 265ms
847:	learn: 0.3031915	total: 1.47s	remaining: 263ms
848:	learn: 0.3031216	total: 1.47s	remaining: 261ms
849:	learn: 0.3030018	total: 1.47s	remaining: 260ms
850:	learn: 0.3029578	total: 1.47s	remaining: 258ms
851:	learn: 0.3028940	total: 1.47s	remaining: 256ms
852:	learn: 0.3027359	total: 1.48s	remaining: 255ms
853:	learn: 0.3026847	total: 1.48s	remaining: 253ms
854:	learn: 0.3026670	total: 1.48s	remaining: 251ms
855:	learn: 0.3026011	total: 1.48s	remaining: 250ms
856:	learn: 0.3024937	total: 1.49s	remaining: 248ms
857:	learn: 0.3022801	total: 1.49s	remaining: 246ms
858:	learn: 0.3022660	total: 1.49s	remaining: 245ms
859:	learn: 0.3021795	total: 1.49s	remaining: 243ms
860:	learn: 0.3020699	total: 1.49s	remaining: 241ms
861:	learn: 0.3019965	total: 1.5s	remaining: 239ms
862:	learn: 0.3019569	total: 1.5s	remaining: 238ms
863:	learn: 0.3017956	total: 1.5s	remaining: 236ms
864:	learn: 0.3016284	total: 1.5s	remaining: 234ms
865:	learn: 0.3014665	total: 1.5s	remaining: 232ms
866:	learn: 0.3014160	total: 1.5s	remaining: 230ms
867:	learn: 0.3013415	total: 1.5s	remaining: 229ms
868:	learn: 0.3011524	total: 1.5s	remaining: 227ms
869:	learn: 0.3011115	total: 1.51s	remaining: 225ms
870:	learn: 0.3010536	total: 1.51s	remaining: 223ms
871:	learn: 0.3009470	total: 1.51s	remaining: 221ms
872:	learn: 0.3008328	total: 1.51s	remaining: 220ms
873:	learn: 0.3008027	total: 1.51s	remaining: 218ms
874:	learn: 0.3007768	total: 1.51s	remaining: 216ms
875:	learn: 0.3006859	total: 1.51s	remaining: 214ms
876:	learn: 0.3006201	total: 1.52s	remaining: 213ms
877:	learn: 0.3005102	total: 1.52s	remaining: 211ms
878:	learn: 0.3004716	total: 1.52s	remaining: 209ms
879:	learn: 0.3004339	total: 1.52s	remaining: 207ms
880:	learn: 0.3002825	total: 1.52s	remaining: 206ms
881:	learn: 0.3002538	total: 1.52s	remaining: 204ms
882:	learn: 0.3000661	total: 1.53s	remaining: 202ms
883:	learn: 0.2999726	total: 1.53s	remaining: 200ms
884:	learn: 0.2999029	total: 1.53s	remaining: 199ms
885:	learn: 0.2998772	total: 1.53s	remaining: 197ms
886:	learn: 0.2998168	total: 1.53s	remaining: 195ms
887:	learn: 0.2997572	total: 1.53s	remaining: 193ms
888:	learn: 0.2996720	total: 1.53s	remaining: 192ms
889:	learn: 0.2996076	total: 1.54s	remaining: 190ms
890:	learn: 0.2993709	total: 1.54s	remaining: 188ms
891:	learn: 0.2993170	total: 1.54s	remaining: 186ms
892:	learn: 0.2992565	total: 1.54s	remaining: 185ms
893:	learn: 0.2991986	total: 1.54s	remaining: 183ms
894:	learn: 0.2991528	total: 1.54s	remaining: 181ms
895:	learn: 0.2991279	total: 1.55s	remaining: 180ms
896:	learn: 0.2989105	total: 1.55s	remaining: 178ms
897:	learn: 0.2988214	total: 1.55s	remaining: 176ms
898:	learn: 0.2987703	total: 1.55s	remaining: 174ms
899:	learn: 0.2986409	total: 1.55s	remaining: 173ms
900:	learn: 0.2986032	total: 1.55s	remaining: 171ms
901:	learn: 0.2985121	total: 1.55s	remaining: 169ms
902:	learn: 0.2984501	total: 1.56s	remaining: 167ms
903:	learn: 0.2982830	total: 1.56s	remaining: 166ms
904:	learn: 0.2981630	total: 1.56s	remaining: 164ms
905:	learn: 0.2981211	total: 1.56s	remaining: 162ms
906:	learn: 0.2981006	total: 1.56s	remaining: 160ms
907:	learn: 0.2980203	total: 1.56s	remaining: 158ms
908:	learn: 0.2979278	total: 1.56s	remaining: 157ms
909:	learn: 0.2977301	total: 1.57s	remaining: 155ms
910:	learn: 0.2976312	total: 1.57s	remaining: 153ms
911:	learn: 0.2975637	total: 1.57s	remaining: 151ms
912:	learn: 0.2974775	total: 1.57s	remaining: 150ms
913:	learn: 0.2972803	total: 1.57s	remaining: 148ms
914:	learn: 0.2971865	total: 1.57s	remaining: 146ms
915:	learn: 0.2969875	total: 1.57s	remaining: 144ms
916:	learn: 0.2968984	total: 1.58s	remaining: 143ms
917:	learn: 0.2968427	total: 1.58s	remaining: 141ms
918:	learn: 0.2967389	total: 1.58s	remaining: 139ms
919:	learn: 0.2964445	total: 1.58s	remaining: 138ms
920:	learn: 0.2963963	total: 1.58s	remaining: 136ms
921:	learn: 0.2963377	total: 1.58s	remaining: 134ms
922:	learn: 0.2962538	total: 1.59s	remaining: 132ms
923:	learn: 0.2961920	total: 1.59s	remaining: 131ms
924:	learn: 0.2961188	total: 1.59s	remaining: 129ms
925:	learn: 0.2960290	total: 1.59s	remaining: 127ms
926:	learn: 0.2959531	total: 1.59s	remaining: 126ms
927:	learn: 0.2958759	total: 1.6s	remaining: 124ms
928:	learn: 0.2957558	total: 1.6s	remaining: 122ms
929:	learn: 0.2956741	total: 1.6s	remaining: 120ms
930:	learn: 0.2956053	total: 1.6s	remaining: 119ms
931:	learn: 0.2955360	total: 1.6s	remaining: 117ms
932:	learn: 0.2955289	total: 1.6s	remaining: 115ms
933:	learn: 0.2955121	total: 1.6s	remaining: 113ms
934:	learn: 0.2954519	total: 1.61s	remaining: 112ms
935:	learn: 0.2953696	total: 1.61s	remaining: 110ms
936:	learn: 0.2953022	total: 1.61s	remaining: 108ms
937:	learn: 0.2952429	total: 1.61s	remaining: 106ms
938:	learn: 0.2950549	total: 1.61s	remaining: 105ms
939:	learn: 0.2950007	total: 1.61s	remaining: 103ms
940:	learn: 0.2948184	total: 1.61s	remaining: 101ms
941:	learn: 0.2947930	total: 1.62s	remaining: 99.6ms
942:	learn: 0.2947492	total: 1.62s	remaining: 97.8ms
943:	learn: 0.2946450	total: 1.62s	remaining: 96.1ms
944:	learn: 0.2945779	total: 1.62s	remaining: 94.4ms
945:	learn: 0.2944218	total: 1.62s	remaining: 92.7ms
946:	learn: 0.2943149	total: 1.63s	remaining: 90.9ms
947:	learn: 0.2940534	total: 1.63s	remaining: 89.2ms
948:	learn: 0.2938724	total: 1.63s	remaining: 87.5ms
949:	learn: 0.2938339	total: 1.63s	remaining: 85.8ms
950:	learn: 0.2937681	total: 1.63s	remaining: 84.1ms
951:	learn: 0.2936823	total: 1.63s	remaining: 82.4ms
952:	learn: 0.2936335	total: 1.63s	remaining: 80.6ms
953:	learn: 0.2935825	total: 1.64s	remaining: 78.9ms
954:	learn: 0.2935527	total: 1.64s	remaining: 77.2ms
955:	learn: 0.2935085	total: 1.64s	remaining: 75.5ms
956:	learn: 0.2934471	total: 1.64s	remaining: 73.7ms
957:	learn: 0.2933675	total: 1.64s	remaining: 72ms
958:	learn: 0.2932734	total: 1.64s	remaining: 70.3ms
959:	learn: 0.2930865	total: 1.65s	remaining: 68.6ms
960:	learn: 0.2929878	total: 1.65s	remaining: 66.9ms
961:	learn: 0.2929313	total: 1.65s	remaining: 65.1ms
962:	learn: 0.2928170	total: 1.65s	remaining: 63.4ms
963:	learn: 0.2927523	total: 1.65s	remaining: 61.7ms
964:	learn: 0.2927291	total: 1.65s	remaining: 60ms
965:	learn: 0.2925713	total: 1.65s	remaining: 58.2ms
966:	learn: 0.2924829	total: 1.66s	remaining: 56.5ms
967:	learn: 0.2924096	total: 1.66s	remaining: 54.8ms
968:	learn: 0.2923130	total: 1.66s	remaining: 53.1ms
969:	learn: 0.2922492	total: 1.66s	remaining: 51.4ms
970:	learn: 0.2921848	total: 1.66s	remaining: 49.7ms
971:	learn: 0.2921189	total: 1.67s	remaining: 48ms
972:	learn: 0.2921072	total: 1.67s	remaining: 46.2ms
973:	learn: 0.2919937	total: 1.67s	remaining: 44.5ms
974:	learn: 0.2919401	total: 1.67s	remaining: 42.8ms
975:	learn: 0.2918964	total: 1.67s	remaining: 41.1ms
976:	learn: 0.2916887	total: 1.67s	remaining: 39.4ms
977:	learn: 0.2916134	total: 1.68s	remaining: 37.7ms
978:	learn: 0.2915448	total: 1.68s	remaining: 36ms
979:	learn: 0.2913354	total: 1.68s	remaining: 34.3ms
980:	learn: 0.2912797	total: 1.68s	remaining: 32.6ms
981:	learn: 0.2912553	total: 1.68s	remaining: 30.9ms
982:	learn: 0.2912009	total: 1.69s	remaining: 29.2ms
983:	learn: 0.2911491	total: 1.69s	remaining: 27.4ms
984:	learn: 0.2911068	total: 1.69s	remaining: 25.7ms
985:	learn: 0.2908804	total: 1.69s	remaining: 24ms
986:	learn: 0.2907725	total: 1.69s	remaining: 22.3ms
987:	learn: 0.2907448	total: 1.69s	remaining: 20.6ms
988:	learn: 0.2906685	total: 1.69s	remaining: 18.8ms
989:	learn: 0.2905342	total: 1.7s	remaining: 17.1ms
990:	learn: 0.2905012	total: 1.7s	remaining: 15.4ms
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991:	learn: 0.2903383	total: 1.7s	remaining: 13.7ms
992:	learn: 0.2902995	total: 1.7s	remaining: 12ms
993:	learn: 0.2900612	total: 1.7s	remaining: 10.3ms
994:	learn: 0.2899350	total: 1.7s	remaining: 8.56ms
995:	learn: 0.2897846	total: 1.71s	remaining: 6.85ms
996:	learn: 0.2897066	total: 1.71s	remaining: 5.14ms
997:	learn: 0.2896627	total: 1.71s	remaining: 3.42ms
998:	learn: 0.2896037	total: 1.71s	remaining: 1.71ms
999:	learn: 0.2895684	total: 1.71s	remaining: 0us
Learning rate set to 0.009376
0:	learn: 0.6867273	total: 1.34ms	remaining: 1.34s
1:	learn: 0.6831607	total: 2.29ms	remaining: 1.14s
2:	learn: 0.6776509	total: 3.99ms	remaining: 1.33s
3:	learn: 0.6720005	total: 5.49ms	remaining: 1.37s
4:	learn: 0.6666488	total: 6.72ms	remaining: 1.34s
5:	learn: 0.6614364	total: 7.96ms	remaining: 1.32s
6:	learn: 0.6570490	total: 8.97ms	remaining: 1.27s
7:	learn: 0.6516055	total: 10.2ms	remaining: 1.27s
8:	learn: 0.6464521	total: 11.2ms	remaining: 1.24s
9:	learn: 0.6408601	total: 12.6ms	remaining: 1.25s
10:	learn: 0.6354099	total: 13.8ms	remaining: 1.24s
11:	learn: 0.6304209	total: 15.3ms	remaining: 1.26s
12:	learn: 0.6250673	total: 16.6ms	remaining: 1.26s
13:	learn: 0.6209222	total: 17.6ms	remaining: 1.24s
14:	learn: 0.6170213	total: 18.4ms	remaining: 1.21s
15:	learn: 0.6120645	total: 19.4ms	remaining: 1.19s
16:	learn: 0.6076892	total: 20.3ms	remaining: 1.17s
17:	learn: 0.6037319	total: 21ms	remaining: 1.15s
18:	learn: 0.5996681	total: 21.9ms	remaining: 1.13s
19:	learn: 0.5951683	total: 23ms	remaining: 1.13s
20:	learn: 0.5912322	total: 23.9ms	remaining: 1.11s
21:	learn: 0.5871903	total: 25.2ms	remaining: 1.12s
22:	learn: 0.5832128	total: 26.1ms	remaining: 1.11s
23:	learn: 0.5792785	total: 27.4ms	remaining: 1.11s
24:	learn: 0.5753350	total: 28.8ms	remaining: 1.12s
25:	learn: 0.5714977	total: 30.2ms	remaining: 1.13s
26:	learn: 0.5678686	total: 31.5ms	remaining: 1.13s
27:	learn: 0.5641819	total: 32.9ms	remaining: 1.14s
28:	learn: 0.5607179	total: 34.3ms	remaining: 1.15s
29:	learn: 0.5574011	total: 35.4ms	remaining: 1.14s
30:	learn: 0.5540094	total: 36.5ms	remaining: 1.14s
31:	learn: 0.5512606	total: 37.3ms	remaining: 1.13s
32:	learn: 0.5482579	total: 38.4ms	remaining: 1.12s
33:	learn: 0.5455683	total: 39.8ms	remaining: 1.13s
34:	learn: 0.5426977	total: 41.2ms	remaining: 1.14s
35:	learn: 0.5401083	total: 42.4ms	remaining: 1.13s
36:	learn: 0.5377899	total: 43.4ms	remaining: 1.13s
37:	learn: 0.5353867	total: 44.2ms	remaining: 1.12s
38:	learn: 0.5338911	total: 44.9ms	remaining: 1.11s
39:	learn: 0.5310218	total: 46.2ms	remaining: 1.11s
40:	learn: 0.5281273	total: 47.8ms	remaining: 1.12s
41:	learn: 0.5258809	total: 48.8ms	remaining: 1.11s
42:	learn: 0.5236851	total: 50.2ms	remaining: 1.12s
43:	learn: 0.5213056	total: 51.8ms	remaining: 1.12s
44:	learn: 0.5186345	total: 53.4ms	remaining: 1.13s
45:	learn: 0.5173823	total: 54.1ms	remaining: 1.12s
46:	learn: 0.5150739	total: 55.2ms	remaining: 1.12s
47:	learn: 0.5131264	total: 56.5ms	remaining: 1.12s
48:	learn: 0.5119543	total: 57.1ms	remaining: 1.11s
49:	learn: 0.5093334	total: 58.3ms	remaining: 1.11s
50:	learn: 0.5074141	total: 59.4ms	remaining: 1.1s
51:	learn: 0.5062706	total: 60.2ms	remaining: 1.1s
52:	learn: 0.5051434	total: 60.9ms	remaining: 1.09s
53:	learn: 0.5031665	total: 62.3ms	remaining: 1.09s
54:	learn: 0.5007761	total: 63.5ms	remaining: 1.09s
55:	learn: 0.4988636	total: 64.6ms	remaining: 1.09s
56:	learn: 0.4965859	total: 65.7ms	remaining: 1.09s
57:	learn: 0.4946653	total: 66.8ms	remaining: 1.08s
58:	learn: 0.4925893	total: 67.9ms	remaining: 1.08s
59:	learn: 0.4907572	total: 69ms	remaining: 1.08s
60:	learn: 0.4887877	total: 70.2ms	remaining: 1.08s
61:	learn: 0.4874633	total: 72ms	remaining: 1.09s
62:	learn: 0.4857828	total: 74.8ms	remaining: 1.11s
63:	learn: 0.4843182	total: 75.9ms	remaining: 1.11s
64:	learn: 0.4822887	total: 77.9ms	remaining: 1.12s
65:	learn: 0.4808239	total: 79.7ms	remaining: 1.13s
66:	learn: 0.4788426	total: 81.2ms	remaining: 1.13s
67:	learn: 0.4772451	total: 82.7ms	remaining: 1.13s
68:	learn: 0.4754822	total: 84.1ms	remaining: 1.14s
69:	learn: 0.4738282	total: 85.2ms	remaining: 1.13s
70:	learn: 0.4722227	total: 86.3ms	remaining: 1.13s
71:	learn: 0.4704893	total: 87.6ms	remaining: 1.13s
72:	learn: 0.4689724	total: 88.7ms	remaining: 1.13s
73:	learn: 0.4672682	total: 90ms	remaining: 1.13s
74:	learn: 0.4657046	total: 91.3ms	remaining: 1.13s
75:	learn: 0.4640541	total: 92.2ms	remaining: 1.12s
76:	learn: 0.4626397	total: 93.3ms	remaining: 1.12s
77:	learn: 0.4613849	total: 95ms	remaining: 1.12s
78:	learn: 0.4598092	total: 96.2ms	remaining: 1.12s
79:	learn: 0.4582167	total: 97.6ms	remaining: 1.12s
80:	learn: 0.4570493	total: 98.9ms	remaining: 1.12s
81:	learn: 0.4561828	total: 99.9ms	remaining: 1.12s
82:	learn: 0.4547416	total: 101ms	remaining: 1.12s
83:	learn: 0.4536474	total: 103ms	remaining: 1.12s
84:	learn: 0.4522999	total: 104ms	remaining: 1.12s
85:	learn: 0.4509244	total: 106ms	remaining: 1.12s
86:	learn: 0.4498336	total: 107ms	remaining: 1.12s
87:	learn: 0.4489937	total: 108ms	remaining: 1.12s
88:	learn: 0.4478380	total: 109ms	remaining: 1.11s
89:	learn: 0.4467857	total: 110ms	remaining: 1.11s
90:	learn: 0.4455698	total: 111ms	remaining: 1.11s
91:	learn: 0.4448185	total: 113ms	remaining: 1.11s
92:	learn: 0.4441163	total: 113ms	remaining: 1.1s
93:	learn: 0.4429397	total: 115ms	remaining: 1.1s
94:	learn: 0.4420224	total: 116ms	remaining: 1.1s
95:	learn: 0.4409027	total: 117ms	remaining: 1.1s
96:	learn: 0.4400744	total: 118ms	remaining: 1.1s
97:	learn: 0.4390047	total: 120ms	remaining: 1.1s
98:	learn: 0.4381167	total: 121ms	remaining: 1.1s
99:	learn: 0.4368622	total: 122ms	remaining: 1.1s
100:	learn: 0.4358384	total: 124ms	remaining: 1.1s
101:	learn: 0.4348579	total: 125ms	remaining: 1.1s
102:	learn: 0.4343698	total: 127ms	remaining: 1.1s
103:	learn: 0.4333481	total: 128ms	remaining: 1.11s
104:	learn: 0.4323093	total: 130ms	remaining: 1.1s
105:	learn: 0.4311498	total: 131ms	remaining: 1.11s
106:	learn: 0.4304088	total: 133ms	remaining: 1.11s
107:	learn: 0.4292266	total: 134ms	remaining: 1.11s
108:	learn: 0.4280800	total: 135ms	remaining: 1.1s
109:	learn: 0.4273556	total: 136ms	remaining: 1.1s
110:	learn: 0.4264356	total: 137ms	remaining: 1.1s
111:	learn: 0.4255617	total: 138ms	remaining: 1.1s
112:	learn: 0.4254396	total: 139ms	remaining: 1.09s
113:	learn: 0.4247416	total: 140ms	remaining: 1.09s
114:	learn: 0.4238495	total: 141ms	remaining: 1.09s
115:	learn: 0.4228009	total: 142ms	remaining: 1.08s
116:	learn: 0.4223305	total: 143ms	remaining: 1.08s
117:	learn: 0.4216642	total: 144ms	remaining: 1.08s
118:	learn: 0.4207551	total: 145ms	remaining: 1.07s
119:	learn: 0.4198831	total: 146ms	remaining: 1.07s
120:	learn: 0.4191225	total: 147ms	remaining: 1.07s
121:	learn: 0.4183198	total: 149ms	remaining: 1.07s
122:	learn: 0.4174930	total: 150ms	remaining: 1.07s
123:	learn: 0.4167594	total: 151ms	remaining: 1.06s
124:	learn: 0.4162450	total: 152ms	remaining: 1.06s
125:	learn: 0.4158028	total: 153ms	remaining: 1.06s
126:	learn: 0.4150686	total: 155ms	remaining: 1.06s
127:	learn: 0.4143822	total: 156ms	remaining: 1.06s
128:	learn: 0.4137923	total: 158ms	remaining: 1.07s
129:	learn: 0.4131747	total: 160ms	remaining: 1.07s
130:	learn: 0.4127841	total: 160ms	remaining: 1.06s
131:	learn: 0.4122544	total: 162ms	remaining: 1.06s
132:	learn: 0.4115973	total: 164ms	remaining: 1.07s
133:	learn: 0.4109684	total: 166ms	remaining: 1.07s
134:	learn: 0.4106262	total: 168ms	remaining: 1.07s
135:	learn: 0.4103035	total: 169ms	remaining: 1.07s
136:	learn: 0.4102364	total: 170ms	remaining: 1.07s
137:	learn: 0.4096152	total: 171ms	remaining: 1.07s
138:	learn: 0.4091130	total: 172ms	remaining: 1.07s
139:	learn: 0.4084368	total: 174ms	remaining: 1.07s
140:	learn: 0.4079598	total: 175ms	remaining: 1.06s
141:	learn: 0.4073216	total: 176ms	remaining: 1.06s
142:	learn: 0.4068672	total: 177ms	remaining: 1.06s
143:	learn: 0.4062055	total: 179ms	remaining: 1.06s
144:	learn: 0.4060641	total: 180ms	remaining: 1.06s
145:	learn: 0.4054245	total: 181ms	remaining: 1.06s
146:	learn: 0.4050273	total: 182ms	remaining: 1.05s
147:	learn: 0.4047330	total: 183ms	remaining: 1.05s
148:	learn: 0.4042261	total: 184ms	remaining: 1.05s
149:	learn: 0.4037128	total: 185ms	remaining: 1.05s
150:	learn: 0.4033535	total: 187ms	remaining: 1.05s
151:	learn: 0.4027556	total: 189ms	remaining: 1.05s
152:	learn: 0.4024371	total: 190ms	remaining: 1.05s
153:	learn: 0.4021623	total: 192ms	remaining: 1.05s
154:	learn: 0.4015630	total: 194ms	remaining: 1.06s
155:	learn: 0.4012285	total: 196ms	remaining: 1.06s
156:	learn: 0.4007603	total: 197ms	remaining: 1.06s
157:	learn: 0.4001601	total: 198ms	remaining: 1.05s
158:	learn: 0.3998467	total: 199ms	remaining: 1.05s
159:	learn: 0.3992667	total: 201ms	remaining: 1.05s
160:	learn: 0.3990810	total: 202ms	remaining: 1.05s
161:	learn: 0.3985132	total: 203ms	remaining: 1.05s
162:	learn: 0.3980943	total: 205ms	remaining: 1.05s
163:	learn: 0.3979087	total: 206ms	remaining: 1.05s
164:	learn: 0.3973145	total: 208ms	remaining: 1.05s
165:	learn: 0.3969341	total: 209ms	remaining: 1.05s
166:	learn: 0.3965164	total: 211ms	remaining: 1.05s
167:	learn: 0.3962128	total: 212ms	remaining: 1.05s
168:	learn: 0.3958598	total: 214ms	remaining: 1.05s
169:	learn: 0.3954992	total: 215ms	remaining: 1.05s
170:	learn: 0.3950412	total: 217ms	remaining: 1.05s
171:	learn: 0.3944689	total: 218ms	remaining: 1.05s
172:	learn: 0.3939953	total: 219ms	remaining: 1.05s
173:	learn: 0.3937855	total: 221ms	remaining: 1.05s
174:	learn: 0.3934216	total: 222ms	remaining: 1.04s
175:	learn: 0.3929493	total: 223ms	remaining: 1.04s
176:	learn: 0.3927175	total: 224ms	remaining: 1.04s
177:	learn: 0.3926886	total: 225ms	remaining: 1.04s
178:	learn: 0.3924050	total: 226ms	remaining: 1.04s
179:	learn: 0.3921659	total: 228ms	remaining: 1.04s
180:	learn: 0.3916270	total: 229ms	remaining: 1.04s
181:	learn: 0.3912124	total: 230ms	remaining: 1.03s
182:	learn: 0.3908805	total: 232ms	remaining: 1.03s
183:	learn: 0.3904426	total: 234ms	remaining: 1.04s
184:	learn: 0.3901756	total: 236ms	remaining: 1.04s
185:	learn: 0.3897534	total: 237ms	remaining: 1.04s
186:	learn: 0.3895643	total: 239ms	remaining: 1.04s
187:	learn: 0.3891932	total: 240ms	remaining: 1.04s
188:	learn: 0.3888787	total: 242ms	remaining: 1.04s
189:	learn: 0.3885025	total: 243ms	remaining: 1.04s
190:	learn: 0.3881010	total: 245ms	remaining: 1.04s
191:	learn: 0.3878990	total: 247ms	remaining: 1.04s
192:	learn: 0.3876233	total: 248ms	remaining: 1.04s
193:	learn: 0.3874837	total: 249ms	remaining: 1.04s
194:	learn: 0.3871447	total: 251ms	remaining: 1.03s
195:	learn: 0.3869130	total: 253ms	remaining: 1.04s
196:	learn: 0.3866267	total: 254ms	remaining: 1.04s
197:	learn: 0.3863376	total: 256ms	remaining: 1.04s
198:	learn: 0.3860807	total: 258ms	remaining: 1.04s
199:	learn: 0.3858555	total: 259ms	remaining: 1.03s
200:	learn: 0.3856933	total: 262ms	remaining: 1.04s
201:	learn: 0.3852333	total: 263ms	remaining: 1.04s
202:	learn: 0.3850129	total: 265ms	remaining: 1.04s
203:	learn: 0.3845998	total: 266ms	remaining: 1.04s
204:	learn: 0.3842391	total: 268ms	remaining: 1.04s
205:	learn: 0.3838749	total: 270ms	remaining: 1.04s
206:	learn: 0.3834861	total: 272ms	remaining: 1.04s
207:	learn: 0.3831736	total: 273ms	remaining: 1.04s
208:	learn: 0.3828068	total: 275ms	remaining: 1.04s
209:	learn: 0.3824434	total: 277ms	remaining: 1.04s
210:	learn: 0.3822784	total: 279ms	remaining: 1.04s
211:	learn: 0.3819947	total: 281ms	remaining: 1.04s
212:	learn: 0.3817275	total: 282ms	remaining: 1.04s
213:	learn: 0.3812036	total: 284ms	remaining: 1.04s
214:	learn: 0.3808548	total: 288ms	remaining: 1.05s
215:	learn: 0.3805853	total: 290ms	remaining: 1.05s
216:	learn: 0.3803196	total: 292ms	remaining: 1.05s
217:	learn: 0.3798829	total: 294ms	remaining: 1.05s
218:	learn: 0.3796456	total: 295ms	remaining: 1.05s
219:	learn: 0.3794585	total: 297ms	remaining: 1.05s
220:	learn: 0.3793382	total: 298ms	remaining: 1.05s
221:	learn: 0.3789186	total: 300ms	remaining: 1.05s
222:	learn: 0.3786381	total: 301ms	remaining: 1.05s
223:	learn: 0.3784047	total: 303ms	remaining: 1.05s
224:	learn: 0.3781615	total: 304ms	remaining: 1.05s
225:	learn: 0.3778167	total: 306ms	remaining: 1.05s
226:	learn: 0.3776034	total: 308ms	remaining: 1.05s
227:	learn: 0.3773312	total: 310ms	remaining: 1.05s
228:	learn: 0.3771462	total: 311ms	remaining: 1.05s
229:	learn: 0.3769867	total: 313ms	remaining: 1.05s
230:	learn: 0.3768776	total: 315ms	remaining: 1.05s
231:	learn: 0.3766504	total: 317ms	remaining: 1.05s
232:	learn: 0.3764435	total: 319ms	remaining: 1.05s
233:	learn: 0.3762339	total: 320ms	remaining: 1.05s
234:	learn: 0.3759028	total: 322ms	remaining: 1.05s
235:	learn: 0.3756549	total: 324ms	remaining: 1.05s
236:	learn: 0.3753997	total: 326ms	remaining: 1.05s
237:	learn: 0.3751644	total: 327ms	remaining: 1.05s
238:	learn: 0.3749762	total: 329ms	remaining: 1.05s
239:	learn: 0.3745232	total: 330ms	remaining: 1.04s
240:	learn: 0.3743505	total: 332ms	remaining: 1.04s
241:	learn: 0.3740809	total: 333ms	remaining: 1.04s
242:	learn: 0.3738730	total: 334ms	remaining: 1.04s
243:	learn: 0.3738107	total: 335ms	remaining: 1.04s
244:	learn: 0.3735603	total: 337ms	remaining: 1.04s
245:	learn: 0.3733850	total: 339ms	remaining: 1.04s
246:	learn: 0.3731780	total: 341ms	remaining: 1.04s
247:	learn: 0.3729540	total: 343ms	remaining: 1.04s
248:	learn: 0.3727063	total: 345ms	remaining: 1.04s
249:	learn: 0.3726012	total: 346ms	remaining: 1.04s
250:	learn: 0.3722589	total: 347ms	remaining: 1.03s
251:	learn: 0.3720918	total: 348ms	remaining: 1.03s
252:	learn: 0.3718509	total: 350ms	remaining: 1.03s
253:	learn: 0.3718247	total: 351ms	remaining: 1.03s
254:	learn: 0.3716090	total: 352ms	remaining: 1.03s
255:	learn: 0.3711946	total: 354ms	remaining: 1.03s
256:	learn: 0.3709488	total: 356ms	remaining: 1.03s
257:	learn: 0.3706431	total: 359ms	remaining: 1.03s
258:	learn: 0.3705878	total: 360ms	remaining: 1.03s
259:	learn: 0.3704922	total: 361ms	remaining: 1.03s
260:	learn: 0.3702042	total: 363ms	remaining: 1.03s
261:	learn: 0.3699142	total: 364ms	remaining: 1.02s
262:	learn: 0.3696976	total: 366ms	remaining: 1.02s
263:	learn: 0.3695347	total: 367ms	remaining: 1.02s
264:	learn: 0.3692612	total: 368ms	remaining: 1.02s
265:	learn: 0.3689620	total: 370ms	remaining: 1.02s
266:	learn: 0.3686376	total: 371ms	remaining: 1.02s
267:	learn: 0.3685327	total: 373ms	remaining: 1.02s
268:	learn: 0.3682383	total: 374ms	remaining: 1.01s
269:	learn: 0.3679223	total: 375ms	remaining: 1.01s
270:	learn: 0.3678265	total: 377ms	remaining: 1.01s
271:	learn: 0.3675609	total: 378ms	remaining: 1.01s
272:	learn: 0.3672668	total: 379ms	remaining: 1.01s
273:	learn: 0.3669952	total: 381ms	remaining: 1.01s
274:	learn: 0.3666170	total: 383ms	remaining: 1.01s
275:	learn: 0.3664455	total: 384ms	remaining: 1.01s
276:	learn: 0.3661955	total: 386ms	remaining: 1.01s
277:	learn: 0.3660512	total: 389ms	remaining: 1.01s
278:	learn: 0.3658068	total: 390ms	remaining: 1.01s
279:	learn: 0.3655428	total: 392ms	remaining: 1.01s
280:	learn: 0.3653635	total: 393ms	remaining: 1.01s
281:	learn: 0.3652695	total: 395ms	remaining: 1s
282:	learn: 0.3651327	total: 397ms	remaining: 1.01s
283:	learn: 0.3649397	total: 399ms	remaining: 1.01s
284:	learn: 0.3646894	total: 402ms	remaining: 1.01s
285:	learn: 0.3646146	total: 404ms	remaining: 1.01s
286:	learn: 0.3644878	total: 406ms	remaining: 1.01s
287:	learn: 0.3642602	total: 408ms	remaining: 1.01s
288:	learn: 0.3641314	total: 409ms	remaining: 1.01s
289:	learn: 0.3638566	total: 411ms	remaining: 1.01s
290:	learn: 0.3636759	total: 413ms	remaining: 1.01s
291:	learn: 0.3636077	total: 415ms	remaining: 1.01s
292:	learn: 0.3634616	total: 417ms	remaining: 1s
293:	learn: 0.3632737	total: 419ms	remaining: 1.01s
294:	learn: 0.3630819	total: 420ms	remaining: 1s
295:	learn: 0.3628906	total: 424ms	remaining: 1.01s
296:	learn: 0.3626699	total: 428ms	remaining: 1.01s
297:	learn: 0.3626088	total: 430ms	remaining: 1.01s
298:	learn: 0.3622600	total: 431ms	remaining: 1.01s
299:	learn: 0.3621389	total: 433ms	remaining: 1.01s
300:	learn: 0.3618949	total: 434ms	remaining: 1.01s
301:	learn: 0.3617655	total: 436ms	remaining: 1.01s
302:	learn: 0.3616864	total: 438ms	remaining: 1.01s
303:	learn: 0.3615712	total: 439ms	remaining: 1s
304:	learn: 0.3612966	total: 441ms	remaining: 1s
305:	learn: 0.3611508	total: 443ms	remaining: 1s
306:	learn: 0.3609252	total: 444ms	remaining: 1s
307:	learn: 0.3606157	total: 445ms	remaining: 1s
308:	learn: 0.3603968	total: 447ms	remaining: 999ms
309:	learn: 0.3601393	total: 448ms	remaining: 997ms
310:	learn: 0.3600195	total: 449ms	remaining: 995ms
311:	learn: 0.3599128	total: 451ms	remaining: 994ms
312:	learn: 0.3598137	total: 452ms	remaining: 992ms
313:	learn: 0.3596662	total: 454ms	remaining: 991ms
314:	learn: 0.3593789	total: 456ms	remaining: 991ms
315:	learn: 0.3591567	total: 457ms	remaining: 990ms
316:	learn: 0.3590364	total: 459ms	remaining: 989ms
317:	learn: 0.3589201	total: 461ms	remaining: 988ms
318:	learn: 0.3587246	total: 462ms	remaining: 986ms
319:	learn: 0.3585718	total: 463ms	remaining: 985ms
320:	learn: 0.3584140	total: 465ms	remaining: 983ms
321:	learn: 0.3582841	total: 466ms	remaining: 981ms
322:	learn: 0.3581666	total: 467ms	remaining: 979ms
323:	learn: 0.3579765	total: 468ms	remaining: 977ms
324:	learn: 0.3575765	total: 470ms	remaining: 976ms
325:	learn: 0.3573673	total: 471ms	remaining: 974ms
326:	learn: 0.3572233	total: 473ms	remaining: 973ms
327:	learn: 0.3570933	total: 475ms	remaining: 972ms
328:	learn: 0.3568958	total: 477ms	remaining: 972ms
329:	learn: 0.3567596	total: 479ms	remaining: 972ms
330:	learn: 0.3565959	total: 480ms	remaining: 971ms
331:	learn: 0.3565551	total: 482ms	remaining: 970ms
332:	learn: 0.3564047	total: 483ms	remaining: 968ms
333:	learn: 0.3563576	total: 485ms	remaining: 967ms
334:	learn: 0.3561649	total: 486ms	remaining: 965ms
335:	learn: 0.3560405	total: 487ms	remaining: 963ms
336:	learn: 0.3558910	total: 489ms	remaining: 961ms
337:	learn: 0.3558084	total: 490ms	remaining: 959ms
338:	learn: 0.3557235	total: 491ms	remaining: 957ms
339:	learn: 0.3556781	total: 492ms	remaining: 955ms
340:	learn: 0.3555855	total: 494ms	remaining: 954ms
341:	learn: 0.3555194	total: 495ms	remaining: 952ms
342:	learn: 0.3553739	total: 497ms	remaining: 951ms
343:	learn: 0.3552420	total: 498ms	remaining: 949ms
344:	learn: 0.3551579	total: 499ms	remaining: 947ms
345:	learn: 0.3550074	total: 500ms	remaining: 945ms
346:	learn: 0.3549005	total: 502ms	remaining: 945ms
347:	learn: 0.3546591	total: 504ms	remaining: 944ms
348:	learn: 0.3545169	total: 505ms	remaining: 942ms
349:	learn: 0.3544010	total: 506ms	remaining: 940ms
350:	learn: 0.3542230	total: 508ms	remaining: 939ms
351:	learn: 0.3539788	total: 509ms	remaining: 937ms
352:	learn: 0.3538741	total: 511ms	remaining: 936ms
353:	learn: 0.3537258	total: 512ms	remaining: 935ms
354:	learn: 0.3536787	total: 514ms	remaining: 934ms
355:	learn: 0.3535257	total: 517ms	remaining: 935ms
356:	learn: 0.3533282	total: 518ms	remaining: 933ms
357:	learn: 0.3532722	total: 520ms	remaining: 932ms
358:	learn: 0.3531606	total: 521ms	remaining: 930ms
359:	learn: 0.3530414	total: 522ms	remaining: 929ms
360:	learn: 0.3528967	total: 524ms	remaining: 928ms
361:	learn: 0.3527037	total: 526ms	remaining: 926ms
362:	learn: 0.3525516	total: 527ms	remaining: 925ms
363:	learn: 0.3523751	total: 528ms	remaining: 923ms
364:	learn: 0.3521815	total: 530ms	remaining: 923ms
365:	learn: 0.3519985	total: 532ms	remaining: 921ms
366:	learn: 0.3518148	total: 533ms	remaining: 920ms
367:	learn: 0.3515837	total: 535ms	remaining: 918ms
368:	learn: 0.3514514	total: 536ms	remaining: 917ms
369:	learn: 0.3511605	total: 538ms	remaining: 916ms
370:	learn: 0.3510776	total: 539ms	remaining: 914ms
371:	learn: 0.3509495	total: 541ms	remaining: 913ms
372:	learn: 0.3508651	total: 543ms	remaining: 913ms
373:	learn: 0.3507400	total: 545ms	remaining: 913ms
374:	learn: 0.3505946	total: 547ms	remaining: 912ms
375:	learn: 0.3504491	total: 549ms	remaining: 910ms
376:	learn: 0.3504140	total: 550ms	remaining: 909ms
377:	learn: 0.3502238	total: 551ms	remaining: 907ms
378:	learn: 0.3498760	total: 554ms	remaining: 907ms
379:	learn: 0.3497643	total: 555ms	remaining: 905ms
380:	learn: 0.3496410	total: 556ms	remaining: 904ms
381:	learn: 0.3495539	total: 558ms	remaining: 903ms
382:	learn: 0.3494712	total: 560ms	remaining: 903ms
383:	learn: 0.3494049	total: 563ms	remaining: 904ms
384:	learn: 0.3493203	total: 566ms	remaining: 905ms
385:	learn: 0.3492252	total: 568ms	remaining: 904ms
386:	learn: 0.3490878	total: 570ms	remaining: 903ms
387:	learn: 0.3488663	total: 572ms	remaining: 902ms
388:	learn: 0.3486977	total: 573ms	remaining: 900ms
389:	learn: 0.3485744	total: 575ms	remaining: 899ms
390:	learn: 0.3484638	total: 576ms	remaining: 898ms
391:	learn: 0.3481646	total: 578ms	remaining: 897ms
392:	learn: 0.3481164	total: 579ms	remaining: 895ms
393:	learn: 0.3480591	total: 582ms	remaining: 894ms
394:	learn: 0.3480514	total: 583ms	remaining: 893ms
395:	learn: 0.3477550	total: 584ms	remaining: 891ms
396:	learn: 0.3476206	total: 585ms	remaining: 889ms
397:	learn: 0.3475395	total: 587ms	remaining: 887ms
398:	learn: 0.3473588	total: 588ms	remaining: 886ms
399:	learn: 0.3472644	total: 589ms	remaining: 884ms
400:	learn: 0.3471520	total: 592ms	remaining: 884ms
401:	learn: 0.3470541	total: 594ms	remaining: 883ms
402:	learn: 0.3466642	total: 596ms	remaining: 883ms
403:	learn: 0.3465860	total: 598ms	remaining: 882ms
404:	learn: 0.3465067	total: 600ms	remaining: 881ms
405:	learn: 0.3462654	total: 603ms	remaining: 882ms
406:	learn: 0.3460903	total: 605ms	remaining: 881ms
407:	learn: 0.3460606	total: 606ms	remaining: 879ms
408:	learn: 0.3460089	total: 607ms	remaining: 877ms
409:	learn: 0.3458428	total: 609ms	remaining: 876ms
410:	learn: 0.3456538	total: 611ms	remaining: 875ms
411:	learn: 0.3455508	total: 613ms	remaining: 875ms
412:	learn: 0.3454755	total: 615ms	remaining: 873ms
413:	learn: 0.3454161	total: 616ms	remaining: 872ms
414:	learn: 0.3451805	total: 619ms	remaining: 873ms
415:	learn: 0.3448952	total: 621ms	remaining: 872ms
416:	learn: 0.3447902	total: 623ms	remaining: 871ms
417:	learn: 0.3446432	total: 624ms	remaining: 869ms
418:	learn: 0.3444874	total: 626ms	remaining: 868ms
419:	learn: 0.3443985	total: 628ms	remaining: 867ms
420:	learn: 0.3443406	total: 629ms	remaining: 866ms
421:	learn: 0.3442774	total: 631ms	remaining: 864ms
422:	learn: 0.3441115	total: 633ms	remaining: 863ms
423:	learn: 0.3439215	total: 634ms	remaining: 861ms
424:	learn: 0.3438028	total: 635ms	remaining: 860ms
425:	learn: 0.3437407	total: 637ms	remaining: 859ms
426:	learn: 0.3436044	total: 639ms	remaining: 858ms
427:	learn: 0.3434692	total: 641ms	remaining: 856ms
428:	learn: 0.3434394	total: 642ms	remaining: 855ms
429:	learn: 0.3432730	total: 644ms	remaining: 853ms
430:	learn: 0.3431031	total: 645ms	remaining: 851ms
431:	learn: 0.3429012	total: 646ms	remaining: 850ms
432:	learn: 0.3428907	total: 647ms	remaining: 848ms
433:	learn: 0.3427694	total: 649ms	remaining: 846ms
434:	learn: 0.3426346	total: 650ms	remaining: 845ms
435:	learn: 0.3425821	total: 652ms	remaining: 844ms
436:	learn: 0.3425283	total: 654ms	remaining: 842ms
437:	learn: 0.3424372	total: 656ms	remaining: 841ms
438:	learn: 0.3423270	total: 657ms	remaining: 840ms
439:	learn: 0.3420573	total: 660ms	remaining: 840ms
440:	learn: 0.3419955	total: 662ms	remaining: 839ms
441:	learn: 0.3418793	total: 663ms	remaining: 838ms
442:	learn: 0.3417141	total: 665ms	remaining: 836ms
443:	learn: 0.3416393	total: 666ms	remaining: 833ms
444:	learn: 0.3415280	total: 667ms	remaining: 831ms
445:	learn: 0.3414500	total: 668ms	remaining: 830ms
446:	learn: 0.3413966	total: 669ms	remaining: 828ms
447:	learn: 0.3413341	total: 670ms	remaining: 826ms
448:	learn: 0.3412101	total: 672ms	remaining: 824ms
449:	learn: 0.3411640	total: 673ms	remaining: 823ms
450:	learn: 0.3410758	total: 675ms	remaining: 821ms
451:	learn: 0.3409824	total: 676ms	remaining: 820ms
452:	learn: 0.3408150	total: 678ms	remaining: 818ms
453:	learn: 0.3406455	total: 679ms	remaining: 817ms
454:	learn: 0.3405147	total: 682ms	remaining: 817ms
455:	learn: 0.3404562	total: 684ms	remaining: 816ms
456:	learn: 0.3403178	total: 685ms	remaining: 814ms
457:	learn: 0.3402090	total: 687ms	remaining: 813ms
458:	learn: 0.3401303	total: 689ms	remaining: 812ms
459:	learn: 0.3400341	total: 691ms	remaining: 811ms
460:	learn: 0.3399624	total: 693ms	remaining: 810ms
461:	learn: 0.3398366	total: 695ms	remaining: 809ms
462:	learn: 0.3398033	total: 696ms	remaining: 808ms
463:	learn: 0.3397111	total: 698ms	remaining: 806ms
464:	learn: 0.3396538	total: 699ms	remaining: 805ms
465:	learn: 0.3394459	total: 701ms	remaining: 804ms
466:	learn: 0.3393120	total: 704ms	remaining: 803ms
467:	learn: 0.3392495	total: 705ms	remaining: 802ms
468:	learn: 0.3390634	total: 707ms	remaining: 801ms
469:	learn: 0.3389861	total: 709ms	remaining: 800ms
470:	learn: 0.3389363	total: 711ms	remaining: 798ms
471:	learn: 0.3388042	total: 713ms	remaining: 798ms
472:	learn: 0.3387328	total: 715ms	remaining: 797ms
473:	learn: 0.3386283	total: 717ms	remaining: 796ms
474:	learn: 0.3385518	total: 719ms	remaining: 795ms
475:	learn: 0.3384536	total: 722ms	remaining: 794ms
476:	learn: 0.3383471	total: 723ms	remaining: 793ms
477:	learn: 0.3383455	total: 724ms	remaining: 791ms
478:	learn: 0.3381657	total: 727ms	remaining: 790ms
479:	learn: 0.3380928	total: 728ms	remaining: 789ms
480:	learn: 0.3379552	total: 730ms	remaining: 788ms
481:	learn: 0.3378438	total: 732ms	remaining: 787ms
482:	learn: 0.3376956	total: 734ms	remaining: 785ms
483:	learn: 0.3375316	total: 735ms	remaining: 784ms
484:	learn: 0.3374375	total: 737ms	remaining: 783ms
485:	learn: 0.3373397	total: 739ms	remaining: 782ms
486:	learn: 0.3372472	total: 741ms	remaining: 780ms
487:	learn: 0.3370543	total: 742ms	remaining: 779ms
488:	learn: 0.3370173	total: 744ms	remaining: 778ms
489:	learn: 0.3369142	total: 746ms	remaining: 776ms
490:	learn: 0.3368069	total: 747ms	remaining: 775ms
491:	learn: 0.3366269	total: 749ms	remaining: 773ms
492:	learn: 0.3365880	total: 750ms	remaining: 772ms
493:	learn: 0.3362525	total: 752ms	remaining: 770ms
494:	learn: 0.3361501	total: 753ms	remaining: 769ms
495:	learn: 0.3360622	total: 755ms	remaining: 768ms
496:	learn: 0.3359191	total: 757ms	remaining: 766ms
497:	learn: 0.3357473	total: 759ms	remaining: 765ms
498:	learn: 0.3356466	total: 761ms	remaining: 764ms
499:	learn: 0.3355025	total: 762ms	remaining: 762ms
500:	learn: 0.3353273	total: 763ms	remaining: 760ms
501:	learn: 0.3352615	total: 765ms	remaining: 759ms
502:	learn: 0.3352599	total: 766ms	remaining: 757ms
503:	learn: 0.3352010	total: 767ms	remaining: 755ms
504:	learn: 0.3349943	total: 769ms	remaining: 754ms
505:	learn: 0.3349004	total: 771ms	remaining: 752ms
506:	learn: 0.3348092	total: 772ms	remaining: 751ms
507:	learn: 0.3346277	total: 774ms	remaining: 749ms
508:	learn: 0.3344589	total: 775ms	remaining: 747ms
509:	learn: 0.3343582	total: 776ms	remaining: 746ms
510:	learn: 0.3341809	total: 778ms	remaining: 745ms
511:	learn: 0.3341026	total: 780ms	remaining: 743ms
512:	learn: 0.3339997	total: 782ms	remaining: 742ms
513:	learn: 0.3339324	total: 784ms	remaining: 741ms
514:	learn: 0.3337903	total: 786ms	remaining: 740ms
515:	learn: 0.3336177	total: 787ms	remaining: 738ms
516:	learn: 0.3334750	total: 788ms	remaining: 736ms
517:	learn: 0.3333713	total: 790ms	remaining: 735ms
518:	learn: 0.3333098	total: 791ms	remaining: 733ms
519:	learn: 0.3332327	total: 792ms	remaining: 732ms
520:	learn: 0.3331550	total: 794ms	remaining: 730ms
521:	learn: 0.3330836	total: 795ms	remaining: 728ms
522:	learn: 0.3330290	total: 797ms	remaining: 726ms
523:	learn: 0.3328199	total: 798ms	remaining: 725ms
524:	learn: 0.3327671	total: 800ms	remaining: 724ms
525:	learn: 0.3327064	total: 802ms	remaining: 723ms
526:	learn: 0.3326022	total: 805ms	remaining: 723ms
527:	learn: 0.3325860	total: 807ms	remaining: 721ms
528:	learn: 0.3325109	total: 808ms	remaining: 720ms
529:	learn: 0.3323362	total: 809ms	remaining: 718ms
530:	learn: 0.3323285	total: 810ms	remaining: 716ms
531:	learn: 0.3322322	total: 811ms	remaining: 714ms
532:	learn: 0.3320303	total: 813ms	remaining: 712ms
533:	learn: 0.3319675	total: 814ms	remaining: 710ms
534:	learn: 0.3318652	total: 815ms	remaining: 709ms
535:	learn: 0.3317894	total: 816ms	remaining: 707ms
536:	learn: 0.3317139	total: 818ms	remaining: 705ms
537:	learn: 0.3315948	total: 819ms	remaining: 703ms
538:	learn: 0.3315473	total: 820ms	remaining: 702ms
539:	learn: 0.3313470	total: 822ms	remaining: 700ms
540:	learn: 0.3313392	total: 823ms	remaining: 698ms
541:	learn: 0.3312938	total: 824ms	remaining: 697ms
542:	learn: 0.3311405	total: 826ms	remaining: 695ms
543:	learn: 0.3310580	total: 827ms	remaining: 693ms
544:	learn: 0.3308173	total: 829ms	remaining: 692ms
545:	learn: 0.3306246	total: 830ms	remaining: 690ms
546:	learn: 0.3305018	total: 832ms	remaining: 689ms
547:	learn: 0.3304327	total: 833ms	remaining: 687ms
548:	learn: 0.3303480	total: 834ms	remaining: 685ms
549:	learn: 0.3303255	total: 836ms	remaining: 684ms
550:	learn: 0.3301220	total: 838ms	remaining: 683ms
551:	learn: 0.3300863	total: 839ms	remaining: 681ms
552:	learn: 0.3299850	total: 842ms	remaining: 680ms
553:	learn: 0.3298733	total: 843ms	remaining: 679ms
554:	learn: 0.3297567	total: 844ms	remaining: 677ms
555:	learn: 0.3297413	total: 846ms	remaining: 675ms
556:	learn: 0.3295816	total: 847ms	remaining: 674ms
557:	learn: 0.3294875	total: 849ms	remaining: 672ms
558:	learn: 0.3293656	total: 850ms	remaining: 671ms
559:	learn: 0.3292757	total: 852ms	remaining: 669ms
560:	learn: 0.3291109	total: 853ms	remaining: 668ms
561:	learn: 0.3291096	total: 854ms	remaining: 666ms
562:	learn: 0.3289620	total: 856ms	remaining: 664ms
563:	learn: 0.3288853	total: 858ms	remaining: 663ms
564:	learn: 0.3287742	total: 859ms	remaining: 661ms
565:	learn: 0.3286406	total: 860ms	remaining: 659ms
566:	learn: 0.3285585	total: 862ms	remaining: 658ms
567:	learn: 0.3284354	total: 863ms	remaining: 656ms
568:	learn: 0.3283733	total: 865ms	remaining: 655ms
569:	learn: 0.3281771	total: 866ms	remaining: 653ms
570:	learn: 0.3279896	total: 867ms	remaining: 652ms
571:	learn: 0.3279780	total: 869ms	remaining: 650ms
572:	learn: 0.3278732	total: 871ms	remaining: 649ms
573:	learn: 0.3277931	total: 872ms	remaining: 647ms
574:	learn: 0.3277099	total: 873ms	remaining: 645ms
575:	learn: 0.3274030	total: 875ms	remaining: 644ms
576:	learn: 0.3273805	total: 876ms	remaining: 642ms
577:	learn: 0.3272997	total: 877ms	remaining: 641ms
578:	learn: 0.3272041	total: 879ms	remaining: 639ms
579:	learn: 0.3270704	total: 881ms	remaining: 638ms
580:	learn: 0.3268972	total: 882ms	remaining: 636ms
581:	learn: 0.3268237	total: 883ms	remaining: 634ms
582:	learn: 0.3267884	total: 884ms	remaining: 632ms
583:	learn: 0.3265925	total: 886ms	remaining: 631ms
584:	learn: 0.3264897	total: 887ms	remaining: 629ms
585:	learn: 0.3264060	total: 888ms	remaining: 627ms
586:	learn: 0.3263455	total: 889ms	remaining: 626ms
587:	learn: 0.3263280	total: 890ms	remaining: 624ms
588:	learn: 0.3263083	total: 891ms	remaining: 622ms
589:	learn: 0.3262057	total: 892ms	remaining: 620ms
590:	learn: 0.3261921	total: 893ms	remaining: 618ms
591:	learn: 0.3260223	total: 894ms	remaining: 616ms
592:	learn: 0.3259209	total: 895ms	remaining: 615ms
593:	learn: 0.3257331	total: 896ms	remaining: 613ms
594:	learn: 0.3257017	total: 897ms	remaining: 611ms
595:	learn: 0.3255515	total: 899ms	remaining: 609ms
596:	learn: 0.3254865	total: 900ms	remaining: 607ms
597:	learn: 0.3253990	total: 901ms	remaining: 606ms
598:	learn: 0.3252801	total: 903ms	remaining: 604ms
599:	learn: 0.3252042	total: 904ms	remaining: 602ms
600:	learn: 0.3251187	total: 905ms	remaining: 601ms
601:	learn: 0.3250153	total: 906ms	remaining: 599ms
602:	learn: 0.3249254	total: 907ms	remaining: 597ms
603:	learn: 0.3249163	total: 908ms	remaining: 595ms
604:	learn: 0.3248198	total: 909ms	remaining: 594ms
605:	learn: 0.3246902	total: 911ms	remaining: 592ms
606:	learn: 0.3246214	total: 912ms	remaining: 591ms
607:	learn: 0.3245877	total: 913ms	remaining: 589ms
608:	learn: 0.3244176	total: 914ms	remaining: 587ms
609:	learn: 0.3243883	total: 915ms	remaining: 585ms
610:	learn: 0.3243420	total: 917ms	remaining: 584ms
611:	learn: 0.3241909	total: 918ms	remaining: 582ms
612:	learn: 0.3241287	total: 919ms	remaining: 580ms
613:	learn: 0.3240571	total: 921ms	remaining: 579ms
614:	learn: 0.3238179	total: 922ms	remaining: 577ms
615:	learn: 0.3237445	total: 923ms	remaining: 576ms
616:	learn: 0.3235752	total: 925ms	remaining: 574ms
617:	learn: 0.3234306	total: 926ms	remaining: 573ms
618:	learn: 0.3233626	total: 928ms	remaining: 571ms
619:	learn: 0.3232779	total: 930ms	remaining: 570ms
620:	learn: 0.3231830	total: 931ms	remaining: 568ms
621:	learn: 0.3230615	total: 932ms	remaining: 566ms
622:	learn: 0.3229883	total: 933ms	remaining: 565ms
623:	learn: 0.3228248	total: 934ms	remaining: 563ms
624:	learn: 0.3228153	total: 935ms	remaining: 561ms
625:	learn: 0.3227154	total: 936ms	remaining: 559ms
626:	learn: 0.3225922	total: 937ms	remaining: 557ms
627:	learn: 0.3224871	total: 938ms	remaining: 556ms
628:	learn: 0.3224358	total: 939ms	remaining: 554ms
629:	learn: 0.3222245	total: 940ms	remaining: 552ms
630:	learn: 0.3221531	total: 941ms	remaining: 550ms
631:	learn: 0.3221143	total: 941ms	remaining: 548ms
632:	learn: 0.3219954	total: 942ms	remaining: 546ms
633:	learn: 0.3219603	total: 943ms	remaining: 544ms
634:	learn: 0.3218505	total: 944ms	remaining: 542ms
635:	learn: 0.3215382	total: 944ms	remaining: 541ms
636:	learn: 0.3214056	total: 945ms	remaining: 539ms
637:	learn: 0.3211098	total: 946ms	remaining: 537ms
638:	learn: 0.3209427	total: 947ms	remaining: 535ms
639:	learn: 0.3209008	total: 948ms	remaining: 533ms
640:	learn: 0.3207621	total: 949ms	remaining: 532ms
641:	learn: 0.3207326	total: 950ms	remaining: 530ms
642:	learn: 0.3206335	total: 952ms	remaining: 528ms
643:	learn: 0.3205425	total: 953ms	remaining: 527ms
644:	learn: 0.3204729	total: 954ms	remaining: 525ms
645:	learn: 0.3203879	total: 955ms	remaining: 523ms
646:	learn: 0.3201428	total: 956ms	remaining: 522ms
647:	learn: 0.3199582	total: 958ms	remaining: 520ms
648:	learn: 0.3198174	total: 959ms	remaining: 519ms
649:	learn: 0.3196681	total: 961ms	remaining: 518ms
650:	learn: 0.3195587	total: 963ms	remaining: 516ms
651:	learn: 0.3194459	total: 965ms	remaining: 515ms
652:	learn: 0.3193871	total: 967ms	remaining: 514ms
653:	learn: 0.3192942	total: 968ms	remaining: 512ms
654:	learn: 0.3192112	total: 969ms	remaining: 511ms
655:	learn: 0.3191343	total: 970ms	remaining: 509ms
656:	learn: 0.3191272	total: 971ms	remaining: 507ms
657:	learn: 0.3190717	total: 972ms	remaining: 505ms
658:	learn: 0.3190080	total: 973ms	remaining: 504ms
659:	learn: 0.3189021	total: 975ms	remaining: 502ms
660:	learn: 0.3187693	total: 976ms	remaining: 500ms
661:	learn: 0.3187668	total: 976ms	remaining: 499ms
662:	learn: 0.3186488	total: 978ms	remaining: 497ms
663:	learn: 0.3185669	total: 979ms	remaining: 495ms
664:	learn: 0.3184900	total: 980ms	remaining: 494ms
665:	learn: 0.3184638	total: 981ms	remaining: 492ms
666:	learn: 0.3183588	total: 982ms	remaining: 490ms
667:	learn: 0.3182983	total: 983ms	remaining: 489ms
668:	learn: 0.3182282	total: 984ms	remaining: 487ms
669:	learn: 0.3181562	total: 986ms	remaining: 485ms
670:	learn: 0.3179893	total: 987ms	remaining: 484ms
671:	learn: 0.3179227	total: 988ms	remaining: 482ms
672:	learn: 0.3178521	total: 989ms	remaining: 481ms
673:	learn: 0.3178201	total: 991ms	remaining: 479ms
674:	learn: 0.3177942	total: 992ms	remaining: 478ms
675:	learn: 0.3177310	total: 993ms	remaining: 476ms
676:	learn: 0.3175608	total: 994ms	remaining: 474ms
677:	learn: 0.3174794	total: 995ms	remaining: 473ms
678:	learn: 0.3174011	total: 996ms	remaining: 471ms
679:	learn: 0.3172178	total: 998ms	remaining: 469ms
680:	learn: 0.3171457	total: 999ms	remaining: 468ms
681:	learn: 0.3169187	total: 1s	remaining: 466ms
682:	learn: 0.3168638	total: 1s	remaining: 465ms
683:	learn: 0.3167223	total: 1s	remaining: 463ms
684:	learn: 0.3166233	total: 1s	remaining: 462ms
685:	learn: 0.3164694	total: 1s	remaining: 460ms
686:	learn: 0.3163851	total: 1.01s	remaining: 459ms
687:	learn: 0.3163270	total: 1.01s	remaining: 457ms
688:	learn: 0.3161627	total: 1.01s	remaining: 455ms
689:	learn: 0.3159068	total: 1.01s	remaining: 454ms
690:	learn: 0.3158701	total: 1.01s	remaining: 452ms
691:	learn: 0.3158483	total: 1.01s	remaining: 451ms
692:	learn: 0.3157601	total: 1.01s	remaining: 449ms
693:	learn: 0.3156239	total: 1.01s	remaining: 448ms
694:	learn: 0.3155265	total: 1.02s	remaining: 446ms
695:	learn: 0.3155044	total: 1.02s	remaining: 444ms
696:	learn: 0.3154242	total: 1.02s	remaining: 443ms
697:	learn: 0.3151487	total: 1.02s	remaining: 441ms
698:	learn: 0.3150320	total: 1.02s	remaining: 440ms
699:	learn: 0.3149775	total: 1.02s	remaining: 438ms
700:	learn: 0.3149024	total: 1.02s	remaining: 436ms
701:	learn: 0.3147347	total: 1.02s	remaining: 435ms
702:	learn: 0.3145588	total: 1.02s	remaining: 433ms
703:	learn: 0.3145076	total: 1.03s	remaining: 432ms
704:	learn: 0.3143972	total: 1.03s	remaining: 430ms
705:	learn: 0.3143874	total: 1.03s	remaining: 428ms
706:	learn: 0.3143774	total: 1.03s	remaining: 426ms
707:	learn: 0.3143430	total: 1.03s	remaining: 425ms
708:	learn: 0.3142760	total: 1.03s	remaining: 423ms
709:	learn: 0.3141962	total: 1.03s	remaining: 422ms
710:	learn: 0.3139458	total: 1.03s	remaining: 420ms
711:	learn: 0.3138355	total: 1.03s	remaining: 419ms
712:	learn: 0.3138063	total: 1.04s	remaining: 417ms
713:	learn: 0.3136213	total: 1.04s	remaining: 416ms
714:	learn: 0.3134837	total: 1.04s	remaining: 415ms
715:	learn: 0.3134580	total: 1.04s	remaining: 413ms
716:	learn: 0.3132771	total: 1.04s	remaining: 412ms
717:	learn: 0.3132012	total: 1.04s	remaining: 410ms
718:	learn: 0.3130745	total: 1.04s	remaining: 408ms
719:	learn: 0.3129899	total: 1.05s	remaining: 407ms
720:	learn: 0.3128994	total: 1.05s	remaining: 405ms
721:	learn: 0.3127673	total: 1.05s	remaining: 404ms
722:	learn: 0.3126921	total: 1.05s	remaining: 402ms
723:	learn: 0.3125878	total: 1.05s	remaining: 401ms
724:	learn: 0.3123009	total: 1.05s	remaining: 400ms
725:	learn: 0.3122219	total: 1.05s	remaining: 398ms
726:	learn: 0.3121943	total: 1.05s	remaining: 396ms
727:	learn: 0.3121650	total: 1.06s	remaining: 395ms
728:	learn: 0.3121379	total: 1.06s	remaining: 394ms
729:	learn: 0.3120146	total: 1.06s	remaining: 392ms
730:	learn: 0.3119199	total: 1.06s	remaining: 391ms
731:	learn: 0.3117433	total: 1.06s	remaining: 390ms
732:	learn: 0.3116843	total: 1.06s	remaining: 388ms
733:	learn: 0.3116334	total: 1.07s	remaining: 387ms
734:	learn: 0.3115559	total: 1.07s	remaining: 385ms
735:	learn: 0.3113821	total: 1.07s	remaining: 384ms
736:	learn: 0.3112737	total: 1.07s	remaining: 382ms
737:	learn: 0.3111633	total: 1.07s	remaining: 381ms
738:	learn: 0.3110144	total: 1.07s	remaining: 379ms
739:	learn: 0.3108711	total: 1.07s	remaining: 378ms
740:	learn: 0.3108206	total: 1.08s	remaining: 376ms
741:	learn: 0.3106310	total: 1.08s	remaining: 375ms
742:	learn: 0.3105580	total: 1.08s	remaining: 374ms
743:	learn: 0.3104604	total: 1.08s	remaining: 372ms
744:	learn: 0.3103611	total: 1.08s	remaining: 371ms
745:	learn: 0.3102799	total: 1.08s	remaining: 369ms
746:	learn: 0.3101586	total: 1.08s	remaining: 368ms
747:	learn: 0.3101294	total: 1.09s	remaining: 366ms
748:	learn: 0.3100766	total: 1.09s	remaining: 365ms
749:	learn: 0.3100258	total: 1.09s	remaining: 363ms
750:	learn: 0.3099938	total: 1.09s	remaining: 362ms
751:	learn: 0.3098586	total: 1.09s	remaining: 360ms
752:	learn: 0.3098201	total: 1.09s	remaining: 359ms
753:	learn: 0.3097287	total: 1.09s	remaining: 357ms
754:	learn: 0.3095829	total: 1.1s	remaining: 356ms
755:	learn: 0.3093650	total: 1.1s	remaining: 354ms
756:	learn: 0.3092510	total: 1.1s	remaining: 353ms
757:	learn: 0.3091004	total: 1.1s	remaining: 351ms
758:	learn: 0.3090356	total: 1.1s	remaining: 350ms
759:	learn: 0.3088984	total: 1.1s	remaining: 348ms
760:	learn: 0.3087423	total: 1.1s	remaining: 347ms
761:	learn: 0.3085411	total: 1.1s	remaining: 345ms
762:	learn: 0.3084892	total: 1.11s	remaining: 344ms
763:	learn: 0.3083610	total: 1.11s	remaining: 342ms
764:	learn: 0.3082824	total: 1.11s	remaining: 341ms
765:	learn: 0.3081212	total: 1.11s	remaining: 339ms
766:	learn: 0.3080028	total: 1.11s	remaining: 338ms
767:	learn: 0.3079052	total: 1.11s	remaining: 336ms
768:	learn: 0.3077806	total: 1.11s	remaining: 335ms
769:	learn: 0.3076742	total: 1.12s	remaining: 333ms
770:	learn: 0.3075033	total: 1.12s	remaining: 332ms
771:	learn: 0.3073891	total: 1.12s	remaining: 330ms
772:	learn: 0.3071526	total: 1.12s	remaining: 329ms
773:	learn: 0.3070524	total: 1.12s	remaining: 327ms
774:	learn: 0.3069447	total: 1.12s	remaining: 326ms
775:	learn: 0.3068950	total: 1.12s	remaining: 324ms
776:	learn: 0.3067287	total: 1.12s	remaining: 323ms
777:	learn: 0.3065879	total: 1.13s	remaining: 321ms
778:	learn: 0.3064987	total: 1.13s	remaining: 320ms
779:	learn: 0.3064621	total: 1.13s	remaining: 319ms
780:	learn: 0.3063691	total: 1.13s	remaining: 317ms
781:	learn: 0.3061179	total: 1.13s	remaining: 316ms
782:	learn: 0.3060491	total: 1.13s	remaining: 315ms
783:	learn: 0.3059703	total: 1.14s	remaining: 313ms
784:	learn: 0.3059001	total: 1.14s	remaining: 311ms
785:	learn: 0.3058268	total: 1.14s	remaining: 310ms
786:	learn: 0.3057092	total: 1.14s	remaining: 308ms
787:	learn: 0.3056560	total: 1.14s	remaining: 307ms
788:	learn: 0.3055962	total: 1.14s	remaining: 305ms
789:	learn: 0.3054797	total: 1.14s	remaining: 304ms
790:	learn: 0.3053897	total: 1.14s	remaining: 302ms
791:	learn: 0.3052374	total: 1.15s	remaining: 301ms
792:	learn: 0.3050075	total: 1.15s	remaining: 299ms
793:	learn: 0.3048238	total: 1.15s	remaining: 298ms
794:	learn: 0.3047499	total: 1.15s	remaining: 296ms
795:	learn: 0.3046197	total: 1.15s	remaining: 295ms
796:	learn: 0.3045709	total: 1.15s	remaining: 293ms
797:	learn: 0.3044930	total: 1.15s	remaining: 292ms
798:	learn: 0.3043799	total: 1.15s	remaining: 290ms
799:	learn: 0.3042820	total: 1.15s	remaining: 289ms
800:	learn: 0.3042035	total: 1.16s	remaining: 287ms
801:	learn: 0.3041019	total: 1.16s	remaining: 286ms
802:	learn: 0.3040114	total: 1.16s	remaining: 284ms
803:	learn: 0.3039131	total: 1.16s	remaining: 283ms
804:	learn: 0.3038290	total: 1.16s	remaining: 281ms
805:	learn: 0.3037285	total: 1.16s	remaining: 280ms
806:	learn: 0.3036579	total: 1.16s	remaining: 278ms
807:	learn: 0.3035833	total: 1.16s	remaining: 277ms
808:	learn: 0.3035569	total: 1.17s	remaining: 275ms
809:	learn: 0.3034761	total: 1.17s	remaining: 274ms
810:	learn: 0.3033724	total: 1.17s	remaining: 272ms
811:	learn: 0.3032817	total: 1.17s	remaining: 271ms
812:	learn: 0.3032183	total: 1.17s	remaining: 269ms
813:	learn: 0.3031719	total: 1.17s	remaining: 268ms
814:	learn: 0.3029525	total: 1.17s	remaining: 266ms
815:	learn: 0.3028799	total: 1.17s	remaining: 265ms
816:	learn: 0.3028050	total: 1.18s	remaining: 264ms
817:	learn: 0.3027027	total: 1.18s	remaining: 262ms
818:	learn: 0.3025810	total: 1.18s	remaining: 260ms
819:	learn: 0.3023860	total: 1.18s	remaining: 259ms
820:	learn: 0.3021585	total: 1.18s	remaining: 257ms
821:	learn: 0.3020363	total: 1.18s	remaining: 256ms
822:	learn: 0.3019386	total: 1.18s	remaining: 255ms
823:	learn: 0.3019096	total: 1.18s	remaining: 253ms
824:	learn: 0.3018617	total: 1.19s	remaining: 252ms
825:	learn: 0.3017613	total: 1.19s	remaining: 250ms
826:	learn: 0.3015585	total: 1.19s	remaining: 249ms
827:	learn: 0.3013956	total: 1.19s	remaining: 247ms
828:	learn: 0.3012389	total: 1.19s	remaining: 246ms
829:	learn: 0.3011230	total: 1.19s	remaining: 244ms
830:	learn: 0.3010559	total: 1.19s	remaining: 243ms
831:	learn: 0.3008565	total: 1.2s	remaining: 241ms
832:	learn: 0.3008183	total: 1.2s	remaining: 240ms
833:	learn: 0.3006803	total: 1.2s	remaining: 239ms
834:	learn: 0.3006294	total: 1.2s	remaining: 237ms
835:	learn: 0.3005203	total: 1.2s	remaining: 236ms
836:	learn: 0.3004081	total: 1.2s	remaining: 234ms
837:	learn: 0.3002502	total: 1.2s	remaining: 233ms
838:	learn: 0.3001240	total: 1.2s	remaining: 231ms
839:	learn: 0.3000292	total: 1.21s	remaining: 230ms
840:	learn: 0.2999318	total: 1.21s	remaining: 228ms
841:	learn: 0.2997170	total: 1.21s	remaining: 227ms
842:	learn: 0.2996148	total: 1.21s	remaining: 225ms
843:	learn: 0.2995434	total: 1.21s	remaining: 224ms
844:	learn: 0.2994289	total: 1.21s	remaining: 222ms
845:	learn: 0.2991488	total: 1.21s	remaining: 221ms
846:	learn: 0.2990902	total: 1.21s	remaining: 219ms
847:	learn: 0.2990218	total: 1.21s	remaining: 218ms
848:	learn: 0.2989204	total: 1.22s	remaining: 216ms
849:	learn: 0.2988203	total: 1.22s	remaining: 215ms
850:	learn: 0.2987219	total: 1.22s	remaining: 213ms
851:	learn: 0.2986664	total: 1.22s	remaining: 212ms
852:	learn: 0.2985469	total: 1.22s	remaining: 211ms
853:	learn: 0.2984693	total: 1.22s	remaining: 209ms
854:	learn: 0.2984020	total: 1.22s	remaining: 208ms
855:	learn: 0.2982327	total: 1.23s	remaining: 206ms
856:	learn: 0.2980946	total: 1.23s	remaining: 205ms
857:	learn: 0.2980420	total: 1.23s	remaining: 203ms
858:	learn: 0.2980107	total: 1.23s	remaining: 202ms
859:	learn: 0.2979242	total: 1.23s	remaining: 200ms
860:	learn: 0.2978257	total: 1.23s	remaining: 199ms
861:	learn: 0.2978029	total: 1.23s	remaining: 198ms
862:	learn: 0.2976776	total: 1.24s	remaining: 196ms
863:	learn: 0.2975870	total: 1.24s	remaining: 195ms
864:	learn: 0.2974639	total: 1.24s	remaining: 193ms
865:	learn: 0.2972939	total: 1.24s	remaining: 192ms
866:	learn: 0.2972155	total: 1.24s	remaining: 190ms
867:	learn: 0.2971131	total: 1.24s	remaining: 189ms
868:	learn: 0.2970467	total: 1.24s	remaining: 187ms
869:	learn: 0.2969723	total: 1.24s	remaining: 186ms
870:	learn: 0.2969301	total: 1.25s	remaining: 185ms
871:	learn: 0.2968335	total: 1.25s	remaining: 183ms
872:	learn: 0.2967135	total: 1.25s	remaining: 182ms
873:	learn: 0.2966667	total: 1.25s	remaining: 180ms
874:	learn: 0.2965458	total: 1.25s	remaining: 179ms
875:	learn: 0.2964836	total: 1.25s	remaining: 177ms
876:	learn: 0.2963296	total: 1.25s	remaining: 176ms
877:	learn: 0.2961967	total: 1.25s	remaining: 174ms
878:	learn: 0.2961442	total: 1.25s	remaining: 173ms
879:	learn: 0.2958780	total: 1.26s	remaining: 171ms
880:	learn: 0.2958207	total: 1.26s	remaining: 170ms
881:	learn: 0.2957372	total: 1.26s	remaining: 168ms
882:	learn: 0.2956462	total: 1.26s	remaining: 167ms
883:	learn: 0.2955631	total: 1.26s	remaining: 165ms
884:	learn: 0.2955419	total: 1.26s	remaining: 164ms
885:	learn: 0.2954691	total: 1.26s	remaining: 163ms
886:	learn: 0.2953616	total: 1.26s	remaining: 161ms
887:	learn: 0.2952944	total: 1.26s	remaining: 160ms
888:	learn: 0.2951752	total: 1.27s	remaining: 158ms
889:	learn: 0.2950741	total: 1.27s	remaining: 157ms
```

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890:	learn: 0.2950118	total: 1.27s	remaining: 155ms
891:	learn: 0.2948808	total: 1.27s	remaining: 154ms
892:	learn: 0.2946069	total: 1.27s	remaining: 153ms
893:	learn: 0.2944556	total: 1.27s	remaining: 151ms
894:	learn: 0.2943538	total: 1.28s	remaining: 150ms
895:	learn: 0.2942827	total: 1.28s	remaining: 148ms
896:	learn: 0.2942218	total: 1.28s	remaining: 147ms
897:	learn: 0.2941523	total: 1.28s	remaining: 145ms
898:	learn: 0.2940716	total: 1.28s	remaining: 144ms
899:	learn: 0.2938460	total: 1.28s	remaining: 142ms
900:	learn: 0.2937496	total: 1.28s	remaining: 141ms
901:	learn: 0.2936473	total: 1.28s	remaining: 140ms
902:	learn: 0.2935383	total: 1.29s	remaining: 138ms
903:	learn: 0.2932741	total: 1.29s	remaining: 137ms
904:	learn: 0.2931433	total: 1.29s	remaining: 135ms
905:	learn: 0.2931072	total: 1.29s	remaining: 134ms
906:	learn: 0.2930124	total: 1.29s	remaining: 133ms
907:	learn: 0.2929507	total: 1.29s	remaining: 131ms
908:	learn: 0.2928749	total: 1.3s	remaining: 130ms
909:	learn: 0.2927964	total: 1.3s	remaining: 128ms
910:	learn: 0.2927355	total: 1.3s	remaining: 127ms
911:	learn: 0.2925072	total: 1.3s	remaining: 126ms
912:	learn: 0.2924350	total: 1.3s	remaining: 124ms
913:	learn: 0.2923893	total: 1.3s	remaining: 123ms
914:	learn: 0.2922643	total: 1.31s	remaining: 121ms
915:	learn: 0.2920757	total: 1.31s	remaining: 120ms
916:	learn: 0.2919972	total: 1.31s	remaining: 119ms
917:	learn: 0.2919382	total: 1.31s	remaining: 117ms
918:	learn: 0.2919158	total: 1.31s	remaining: 116ms
919:	learn: 0.2917961	total: 1.31s	remaining: 114ms
920:	learn: 0.2916408	total: 1.31s	remaining: 113ms
921:	learn: 0.2915810	total: 1.31s	remaining: 111ms
922:	learn: 0.2915205	total: 1.32s	remaining: 110ms
923:	learn: 0.2914487	total: 1.32s	remaining: 108ms
924:	learn: 0.2914125	total: 1.32s	remaining: 107ms
925:	learn: 0.2911329	total: 1.32s	remaining: 105ms
926:	learn: 0.2910400	total: 1.32s	remaining: 104ms
927:	learn: 0.2908132	total: 1.32s	remaining: 103ms
928:	learn: 0.2906772	total: 1.32s	remaining: 101ms
929:	learn: 0.2905811	total: 1.32s	remaining: 99.7ms
930:	learn: 0.2905089	total: 1.33s	remaining: 98.3ms
931:	learn: 0.2903460	total: 1.33s	remaining: 96.8ms
932:	learn: 0.2901279	total: 1.33s	remaining: 95.4ms
933:	learn: 0.2899957	total: 1.33s	remaining: 94ms
934:	learn: 0.2899071	total: 1.33s	remaining: 92.5ms
935:	learn: 0.2898269	total: 1.33s	remaining: 91.1ms
936:	learn: 0.2895969	total: 1.33s	remaining: 89.7ms
937:	learn: 0.2894449	total: 1.33s	remaining: 88.2ms
938:	learn: 0.2893186	total: 1.33s	remaining: 86.8ms
939:	learn: 0.2892549	total: 1.34s	remaining: 85.3ms
940:	learn: 0.2891595	total: 1.34s	remaining: 83.9ms
941:	learn: 0.2891209	total: 1.34s	remaining: 82.5ms
942:	learn: 0.2890585	total: 1.34s	remaining: 81.1ms
943:	learn: 0.2890267	total: 1.34s	remaining: 79.7ms
944:	learn: 0.2889570	total: 1.34s	remaining: 78.2ms
945:	learn: 0.2888953	total: 1.34s	remaining: 76.8ms
946:	learn: 0.2886792	total: 1.35s	remaining: 75.4ms
947:	learn: 0.2884946	total: 1.35s	remaining: 74ms
948:	learn: 0.2883550	total: 1.35s	remaining: 72.5ms
949:	learn: 0.2881913	total: 1.35s	remaining: 71.1ms
950:	learn: 0.2880346	total: 1.35s	remaining: 69.7ms
951:	learn: 0.2880120	total: 1.35s	remaining: 68.2ms
952:	learn: 0.2878553	total: 1.35s	remaining: 66.8ms
953:	learn: 0.2877767	total: 1.35s	remaining: 65.4ms
954:	learn: 0.2877628	total: 1.36s	remaining: 63.9ms
955:	learn: 0.2876516	total: 1.36s	remaining: 62.5ms
956:	learn: 0.2875138	total: 1.36s	remaining: 61.1ms
957:	learn: 0.2874188	total: 1.36s	remaining: 59.6ms
958:	learn: 0.2873819	total: 1.36s	remaining: 58.2ms
959:	learn: 0.2872645	total: 1.36s	remaining: 56.8ms
960:	learn: 0.2872019	total: 1.36s	remaining: 55.4ms
961:	learn: 0.2871630	total: 1.36s	remaining: 53.9ms
962:	learn: 0.2870670	total: 1.37s	remaining: 52.5ms
963:	learn: 0.2869972	total: 1.37s	remaining: 51.1ms
964:	learn: 0.2868638	total: 1.37s	remaining: 49.6ms
965:	learn: 0.2866161	total: 1.37s	remaining: 48.2ms
966:	learn: 0.2865765	total: 1.37s	remaining: 46.8ms
967:	learn: 0.2863801	total: 1.37s	remaining: 45.4ms
968:	learn: 0.2862693	total: 1.37s	remaining: 44ms
969:	learn: 0.2862289	total: 1.38s	remaining: 42.5ms
970:	learn: 0.2861831	total: 1.38s	remaining: 41.1ms
971:	learn: 0.2861505	total: 1.38s	remaining: 39.7ms
972:	learn: 0.2861193	total: 1.38s	remaining: 38.3ms
973:	learn: 0.2859927	total: 1.38s	remaining: 36.8ms
974:	learn: 0.2859507	total: 1.38s	remaining: 35.4ms
975:	learn: 0.2858821	total: 1.38s	remaining: 34ms
976:	learn: 0.2857509	total: 1.38s	remaining: 32.6ms
977:	learn: 0.2856414	total: 1.38s	remaining: 31.1ms
978:	learn: 0.2855376	total: 1.39s	remaining: 29.7ms
979:	learn: 0.2854827	total: 1.39s	remaining: 28.3ms
980:	learn: 0.2853861	total: 1.39s	remaining: 26.9ms
981:	learn: 0.2853476	total: 1.39s	remaining: 25.5ms
982:	learn: 0.2853124	total: 1.39s	remaining: 24.1ms
983:	learn: 0.2852616	total: 1.39s	remaining: 22.7ms
984:	learn: 0.2852023	total: 1.4s	remaining: 21.2ms
985:	learn: 0.2851014	total: 1.4s	remaining: 19.8ms
986:	learn: 0.2850422	total: 1.4s	remaining: 18.4ms
987:	learn: 0.2849396	total: 1.4s	remaining: 17ms
988:	learn: 0.2848950	total: 1.4s	remaining: 15.6ms
989:	learn: 0.2848518	total: 1.4s	remaining: 14.2ms
990:	learn: 0.2846491	total: 1.4s	remaining: 12.7ms
991:	learn: 0.2845500	total: 1.4s	remaining: 11.3ms
992:	learn: 0.2844121	total: 1.41s	remaining: 9.91ms
993:	learn: 0.2843443	total: 1.41s	remaining: 8.5ms
994:	learn: 0.2843051	total: 1.41s	remaining: 7.08ms
995:	learn: 0.2842434	total: 1.41s	remaining: 5.67ms
996:	learn: 0.2841570	total: 1.41s	remaining: 4.25ms
997:	learn: 0.2840381	total: 1.41s	remaining: 2.83ms
998:	learn: 0.2839733	total: 1.42s	remaining: 1.42ms
999:	learn: 0.2839293	total: 1.42s	remaining: 0us
Accuracy: 83.17 %
Standard Deviation: 4.70 %
```

Training various models on the Training set

1. Logistic Regression

In [36]:
```
from sklearn.linear_model import LogisticRegression
clf_lr = LogisticRegression(random_state=0)
clf_lr.fit(X_train, y_train)
```

Out[36]:
```
LogisticRegression(random_state=0)
```

In [37]:
```
y_pred_lr = clf_lr.predict(X_test)
```

2. K-Nearest Neighbor (K-NN)

In [38]:
```
from sklearn.neighbors import KNeighborsClassifier
clf_knn = KNeighborsClassifier(n_neighbors = 5, metric = 'minkowski', p = 2)
clf_knn.fit(X_train, y_train)
```

Out[38]:
```
KNeighborsClassifier()
```

In [39]:
```
y_pred_knn = clf_knn.predict(X_test)
```

3. Support Vector Machine (SVM)

In [40]:
```
from sklearn.svm import SVC
clf_svc = SVC(kernel='linear', random_state=0)
clf_svc.fit(X_train, y_train)
```

Out[40]:
```
SVC(kernel='linear', random_state=0)
```

In [41]:
```
y_pred_svc = clf_svc.predict(X_test)
```

4. Kernel SVM

In [42]:
```
from sklearn.svm import SVC
clf_kernelSVC = SVC(kernel='rbf', random_state=0)
clf_kernelSVC.fit(X_train, y_train)
```

Out[42]:
```
SVC(random_state=0)
```

In [43]:
```
y_pred_kernelSVC = clf_kernelSVC.predict(X_test)
```

5. Naïve Bayes

In [44]:
```
from sklearn.naive_bayes import GaussianNB
clf_nb = GaussianNB()
clf_nb.fit(X_train, y_train)
```

Out[44]:
```
GaussianNB()
```

In [45]:
```
y_pred_nb = clf_nb.predict(X_test)
```

6. Decision Tree

6.1 with **GINI**

In [46]:
```
from sklearn.tree import DecisionTreeClassifier
clf_dtGINI = DecisionTreeClassifier(criterion='gini',  random_state=0)
clf_dtGINI.fit(X_train, y_train)
```

Out[46]:
```
DecisionTreeClassifier(random_state=0)
```

In [47]:
```
y_pred_dtGINI = clf_dtGINI.predict(X_test)
```

6.2 with **ENTROPY**

In [48]:
```
from sklearn.tree import DecisionTreeClassifier
clf_dtENTROPY = DecisionTreeClassifier(criterion='entropy',  random_state=0)
clf_dtENTROPY.fit(X_train, y_train)
```

Out[48]:
```
DecisionTreeClassifier(criterion='entropy', random_state=0)
```

In [49]:
```
y_pred_dtENTROPY = clf_dtENTROPY.predict(X_test)
```

7. Random Forest Classifier

7.2 with **ENTROPY**

In [50]:
```
from sklearn.ensemble import RandomForestClassifier
clf_rfcGINI = RandomForestClassifier(n_estimators = 10, criterion = 'gini', random_state = 0)
clf_rfcGINI.fit(X_train, y_train)
```

Out[50]:
```
RandomForestClassifier(n_estimators=10, random_state=0)
```

In [51]:
```
y_pred_rfcGINI = clf_rfcGINI.predict(X_test)
```

7.2 with **ENTROPY**

In [52]:
```
from sklearn.ensemble import RandomForestClassifier
clf_rfcENTROPY = RandomForestClassifier(n_estimators = 10, criterion = 'entropy', random_state = 0)
clf_rfcENTROPY.fit(X_train, y_train)
```

Out[52]:
```
RandomForestClassifier(criterion='entropy', n_estimators=10, random_state=0)
```

In [53]:
```
y_pred_rfcENTROPY = clf_rfcENTROPY.predict(X_test)
```

Evaluating the model performance with Confusion Matrix

In [54]:
```
pip install -U prettytable
```

```
Requirement already satisfied: prettytable in /opt/conda/lib/python3.7/site-packages (2.4.0)
Collecting prettytable
  Downloading prettytable-3.0.0-py3-none-any.whl (24 kB)
Requirement already satisfied: wcwidth in /opt/conda/lib/python3.7/site-packages (from prettytable) (0.2.5)
Requirement already satisfied: importlib-metadata in /opt/conda/lib/python3.7/site-packages (from prettytable)
(4.10.1)
Requirement already satisfied: zipp>=0.5 in /opt/conda/lib/python3.7/site-packages (from importlib-metadata->pr
ettytable) (3.6.0)
Requirement already satisfied: typing-extensions>=3.6.4 in /opt/conda/lib/python3.7/site-packages (from importl
ib-metadata->prettytable) (3.10.0.2)
Installing collected packages: prettytable
  Attempting uninstall: prettytable
    Found existing installation: prettytable 2.4.0
    Uninstalling prettytable-2.4.0:
      Successfully uninstalled prettytable-2.4.0
Successfully installed prettytable-3.0.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the sys
tem package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv
Note: you may need to restart the kernel to use updated packages.
```

In [55]:
```
from prettytable import PrettyTable
from sklearn.metrics import confusion_matrix, accuracy_score
```

In [56]:
```
evaluataionTable = PrettyTable()
evaluataionTable.field_names = ["Model", "Confusion Matrix", "Accuracy"]
evaluataionTable.add_row(["Logistic Regression", confusion_matrix(y_test, y_pred_lr), accuracy_score(y_test, y_
evaluataionTable.add_row(["------------------------------", "-----------------", "--------------------"])
evaluataionTable.add_row(["K Nearest Neighbor", confusion_matrix(y_test, y_pred_knn), accuracy_score(y_test, y_
evaluataionTable.add_row(["------------------------------", "-----------------", "--------------------"])
evaluataionTable.add_row(["Support Vector Machine", confusion_matrix(y_test, y_pred_svc), accuracy_score(y_test
evaluataionTable.add_row(["------------------------------", "-----------------", "--------------------"])
evaluataionTable.add_row(["SVM Kernel", confusion_matrix(y_test, y_pred_kernelSVC), accuracy_score(y_test, y_pr
evaluataionTable.add_row(["------------------------------", "-----------------", "--------------------"])
evaluataionTable.add_row(["Naïve Bayes", confusion_matrix(y_test, y_pred_nb), accuracy_score(y_test, y_pred_nb)
evaluataionTable.add_row(["------------------------------", "-----------------", "--------------------"])
evaluataionTable.add_row(["Decision Tree (with GINI)", confusion_matrix(y_test, y_pred_dtGINI), accuracy_score(
evaluataionTable.add_row(["------------------------------", "-----------------", "--------------------"])
evaluataionTable.add_row(["Decision Tree (with Entropy)", confusion_matrix(y_test, y_pred_dtENTROPY), accuracy_
evaluataionTable.add_row(["------------------------------", "-----------------", "--------------------"])
evaluataionTable.add_row(["Random Forest (with GINI)", confusion_matrix(y_test, y_pred_rfcGINI), accuracy_score
evaluataionTable.add_row(["------------------------------", "-----------------", "--------------------"])
evaluataionTable.add_row(["Random Forest (with ENTROPY)", confusion_matrix(y_test, y_pred_rfcENTROPY), accuracy
print(evaluataionTable)
```

```
+--------------------------------+-------------------+----------------------+
|             Model              |  Confusion Matrix |       Accuracy       |
+--------------------------------+-------------------+----------------------+
|      Logistic Regression       |     [[253  13]    |  0.9449760765550239  |
|                                |      [ 10 142]]   |                      |
| ------------------------------ | ----------------- | -------------------- |
|       K Nearest Neighbor       |     [[231  35]    |  0.8588516746411483  |
|                                |      [ 24 128]]   |                      |
| ------------------------------ | ----------------- | -------------------- |
|     Support Vector Machine     |     [[266   0]    |         1.0          |
|                                |      [  0 152]]   |                      |
| ------------------------------ | ----------------- | -------------------- |
|           SVM Kernel           |     [[256  10]    |  0.9019138755980861  |
|                                |      [ 31 121]]   |                      |
| ------------------------------ | ----------------- | -------------------- |
|          Naïve Bayes           |     [[223  43]    |  0.868421052631579   |
|                                |      [ 12 140]]   |                      |
| ------------------------------ | ----------------- | -------------------- |
|   Decision Tree (with GINI)    |     [[218  48]    |  0.7990430622009569  |
|                                |      [ 36 116]]   |                      |
| ------------------------------ | ----------------- | -------------------- |
|  Decision Tree (with Entropy)  |     [[221  45]    |  0.8038277511961722  |
|                                |      [ 37 115]]   |                      |
| ------------------------------ | ----------------- | -------------------- |
|   Random Forest (with GINI)    |     [[237  29]    |  0.8444976076555024  |
|                                |      [ 36 116]]   |                      |
| ------------------------------ | ----------------- | -------------------- |
|  Random Forest (with ENTROPY)  |     [[234  32]    |  0.8277511961722488  |
|                                |      [ 40 112]]   |                      |
+--------------------------------+-------------------+----------------------+
```

Confusion Matrix :

In [57]:
```
confusionMatrixTable = PrettyTable()
confusionMatrixTable.field_names = ["Model", "Accuracy"]
confusionMatrixTable.add_row(["Logistic Regression", confusion_matrix(y_test, y_pred_lr)])
confusionMatrixTable.add_row(["K Nearest Neighbor", confusion_matrix(y_test, y_pred_knn)])
confusionMatrixTable.add_row(["Support Vector Machine", confusion_matrix(y_test, y_pred_svc)])
confusionMatrixTable.add_row(["SVM Kernel", confusion_matrix(y_test, y_pred_kernelSVC)])
confusionMatrixTable.add_row(["Naïve Bayes", confusion_matrix(y_test, y_pred_nb)])
confusionMatrixTable.add_row(["Decision Tree (with GINI)", confusion_matrix(y_test, y_pred_dtGINI)])
confusionMatrixTable.add_row(["Decision Tree (with Entropy)", confusion_matrix(y_test, y_pred_dtENTROPY)])
confusionMatrixTable.add_row(["Random Forest (with GINI)", confusion_matrix(y_test, y_pred_rfcGINI)])
confusionMatrixTable.add_row(["Random Forest (with ENTROPY)", confusion_matrix(y_test, y_pred_rfcENTROPY)])
print(confusionMatrixTable)
```

```
+------------------------------+-------------+
|            Model             |   Accuracy  |
+------------------------------+-------------+
|     Logistic Regression      |  [[253  13] |
|                              |  [ 10 142]] |
|      K Nearest Neighbor      |  [[231  35] |
|                              |  [ 24 128]] |
|    Support Vector Machine    |  [[266   0] |
|                              |  [  0 152]] |
|          SVM Kernel          |  [[256  10] |
|                              |  [ 31 121]] |
|         Naïve Bayes          |  [[223  43] |
|                              |  [ 12 140]] |
|  Decision Tree (with GINI)   |  [[218  48] |
|                              |  [ 36 116]] |
| Decision Tree (with Entropy) |  [[221  45] |
|                              |  [ 37 115]] |
|  Random Forest (with GINI)   |  [[237  29] |
|                              |  [ 36 116]] |
| Random Forest (with ENTROPY) |  [[234  32] |
|                              |  [ 40 112]] |
+------------------------------+-------------+
```

Accuracy Table :

In [58]:
```
AccuracyTable = PrettyTable()
AccuracyTable.field_names = ["Model", "Accuracy"]
AccuracyTable.add_row(["Logistic Regression", accuracy_score(y_test, y_pred_lr)])
AccuracyTable.add_row(["K Nearest Neighbor", accuracy_score(y_test, y_pred_knn)])
AccuracyTable.add_row(["Support Vector Machine", accuracy_score(y_test, y_pred_svc)])
AccuracyTable.add_row(["SVM Kernel", accuracy_score(y_test, y_pred_kernelSVC)])
AccuracyTable.add_row(["Naïve Bayes", accuracy_score(y_test, y_pred_nb)])
AccuracyTable.add_row(["Decision Tree (with GINI)", accuracy_score(y_test, y_pred_dtGINI)])
AccuracyTable.add_row(["Decision Tree (with Entropy)", accuracy_score(y_test, y_pred_dtENTROPY)])
AccuracyTable.add_row(["Random Forest (with GINI)", accuracy_score(y_test, y_pred_rfcGINI)])
AccuracyTable.add_row(["Random Forest (with ENTROPY)", accuracy_score(y_test, y_pred_rfcENTROPY)])
print(AccuracyTable)
```

```
+------------------------------+--------------------+
|            Model             |      Accuracy      |
+------------------------------+--------------------+
|     Logistic Regression      | 0.9449760765550239 |
|      K Nearest Neighbor      | 0.8588516746411483 |
|    Support Vector Machine    |        1.0         |
|          SVM Kernel          | 0.9019138755980861 |
|         Naïve Bayes          | 0.868421052631579  |
|  Decision Tree (with GINI)   | 0.7990430622009569 |
| Decision Tree (with Entropy) | 0.8038277511961722 |
|  Random Forest (with GINI)   | 0.8444976076555024 |
| Random Forest (with ENTROPY) | 0.8277511961722488 |
+------------------------------+--------------------+
```

In [59]:
```
output = pd.DataFrame({"PassengerId": test_dataset.PassengerId, "Survived": y_pred_kernelSVC})
print(output)
output.to_csv('19BCE245_DL_Prac1_kernelSVC.csv', index=False)
```

```
     PassengerId  Survived
0            892         0
1            893         0
2            894         0
3            895         0
4            896         0
..           ...       ...
413         1305         0
414         1306         1
415         1307         0
416         1308         0
417         1309         0

[418 rows x 2 columns]
```

Grid Search with SVM

- taking too much load.

> IGNORE THIS SECTION.

In [60]:
```
# from sklearn.svm import SVC
# classifier = SVC(kernel = 'rbf', random_state = 0)
# classifier.fit(X_train, y_train)

# from sklearn.metrics import confusion_matrix, accuracy_score
# y_pred = classifier.predict(X_test)
# cm = confusion_matrix(y_test, y_pred)
# print(cm)
# accuracy_score(y_test, y_pred)
```

In [61]:
```
# # k-fold
# from sklearn.model_selection import cross_val_score
# accuracies = cross_val_score(estimator=classifier, X=X_train, y=y_train, cv=10)
# print(f"Accuracy : {accuracies.mean()*100:.2f}%")
# print(f"Standard Deviation : {accuracies.std()*100:.2f}%")
```

In [62]:
```
# #grid search
# from sklearn.model_selection import GridSearchCV
# parameters = [
#               {
#                   'C' : np.linspace(0.01, 1,num=10).tolist(),    # [0, 0.25, 0.5, 0.75, 1]
#                   'kernel' : ['linear'],
#                   'degree' : [3, 4, 5],
#               },
#               {
#                   'C' : np.linspace(0.01, 1,num=10).tolist(),    # [0, 0.25, 0.5, 0.75, 1]
#                   'kernel' : ['rbf','poly','sigmoid'],
#                   'gamma' : np.linspace(0.01, 1,num=10).tolist(), # [0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0
#                   'degree' : [3,4,5],
#               }
#              ]
# grid_search = GridSearchCV(estimator=classifier,
#                            param_grid=parameters,
#                            scoring='accuracy',  # As we are doing classification, we are using accuracy for s
#                            cv=10, # number of folds (same like k-fold cross validation)
#                            n_jobs=-1 # all your processors will be used available in hardware
#                            )
# grid_search.fit(X_train, y_train)
```

In [63]:
```
# #grid search 2 (smaller one)
# from sklearn.model_selection import GridSearchCV
# parameters = [
#              #  {
#              #      'C' :  [0, 0.25, 0.5, 0.75, 1],
#              #      'kernel' : ['linear'],
#              #      'degree' : [3, 4, 5],
#              #  },
#               {
#                   'C' :  [0, 0.3, 0.65, 1],
#                   'kernel' : ['rbf','poly','sigmoid'],
#                   'gamma' :  [0.1,  0.5, 0.9],
#                   'degree' : [3, 4, 5],
#               }
#              ]
# grid_search = GridSearchCV(estimator=classifier,
#                            param_grid=parameters,
#                            scoring='accuracy',  # As we are doing classification, we are using accuracy for s
#                            cv=4, # number of folds (same like k-fold cross validation)
#                            n_jobs=-1 # all your processors will be used available in hardware
#                            )
# grid_search.fit(X_train, y_train)
```

In [64]:
```
# best_accuracy = grid_search.best_score_
# print(f"Best Accuracy achieved : {best_accuracy*100:.2f}%")
```

In [65]:
```
# best_parameters = grid_search.best_params_
# print(f"Best parameters achieved : {best_parameters}")
```