

I. DATA SET AND PREPROCESSING

```
In [1]: import matplotlib
import matplotlib.pyplot as plt
import matplotlib.style as style
import numpy as np
import pandas as pd
import plotly.express as px
import seaborn as sns
from scipy import stats
import warnings
warnings.filterwarnings("ignore")

from lightgbm import LGBMClassifier
from sklearn import metrics
from sklearn import model_selection
from sklearn import preprocessing
from sklearn.datasets import make_classification
from sklearn.ensemble import ExtraTreesRegressor
from sklearn.ensemble import GradientBoostingClassifier
from sklearn.ensemble import GradientBoostingRegressor
from sklearn.ensemble import RandomForestClassifier
from sklearn.ensemble import RandomForestRegressor
from sklearn.linear_model import LogisticRegression
from sklearn.linear_model import Ridge
from sklearn.metrics import accuracy_score
from sklearn.metrics import classification_report, confusion_matrix
from sklearn.metrics import mean_squared_error
from sklearn.metrics import mean_squared_error, mean_absolute_error
from sklearn.metrics import plot_confusion_matrix
from sklearn.model_selection import cross_val_score
from sklearn.model_selection import train_test_split
from sklearn.naive_bayes import GaussianNB
from sklearn.neighbors import KNeighborsClassifier
from sklearn.neighbors import KNeighborsRegressor
from sklearn.preprocessing import StandardScaler, Normalizer
from sklearn.tree import DecisionTreeClassifier
from sklearn.tree import DecisionTreeRegressor
from xgboost import XGBClassifier
from xgboost.sklearn import XGBRegressor
from catboost import CatBoostRegressor
from sklearn.ensemble import GradientBoostingRegressor, AdaBoostRegressor, BaggingRegressor, RandomForestRegressor
from sklearn.neural_network import MLPRegressor
import xgboost as xgb
from scipy.signal import _centered
```

```
In [2]: import pandas as pd
data = pd.read_csv("C:\\\\Users\\\\Admin\\\\Downloads\\\\CarDataSet_Train.csv")
test = pd.read_csv("C:\\\\Users\\\\Admin\\\\Downloads\\\\CarDataSet_Test.csv")
```

```
In [3]: data.isnull().sum()
```

```
Out[3]: Unnamed: 0      0
Name          0
Location       0
Year           0
Kilometers_Driven   0
Fuel_Type       0
Transmission    0
Owner_Type       0
Mileage          2
Engine          36
Power           36
Seats            42
New_Price        5195
Price             0
dtype: int64
```

```
In [4]: test.isnull().sum()
```

```
Out[4]: Unnamed: 0      0
Name          0
Location      0
Year          0
Kilometers_Driven  0
Fuel_Type      0
Transmission   0
Owner_Type     0
Mileage        0
Engine         10
Power          10
Seats          11
New_Price      1052
dtype: int64
```

```
In [5]: data.shape
```

```
Out[5]: (6019, 14)
```

```
In [6]: test.shape
```

```
Out[6]: (1234, 13)
```

Let's drop the 'New_Price' and 'Unnamed:0' columns.

```
In [7]: data = data.drop('New_Price', axis=1)
data = data.drop('Unnamed: 0', axis=1)

test = test.drop('New_Price', axis=1)
test = test.drop('Unnamed: 0', axis=1)
```

Drop all NaN data.

```
In [8]: data = data.dropna(how='any')
test = test.dropna(how='any')
```

```
In [9]: data.shape
```

```
Out[9]: (5975, 12)
```

```
In [10]: test.shape
```

```
Out[10]: (1223, 11)
```

For this dataset we found one point very interesting for the Name of the vehicle. We noticed that there weren't any rules for vehicle naming, and during the prediction step, we recognized that the names of the vehicles in train_data and test_data are very different and not predictable. We check the following:

```
In [11]: listtrain = data['Name']
listtest = test['Name']

# prints the missing in listtrain
print("Missing values in first list:", (set(listtest).difference(listtrain)))
```

Missing values in first list: {'Chevrolet Spark 1.0 PS', 'Mercedes-Benz E-Class E240 V6 AT', 'Fiat Grande Punto 1.2 Emotion', 'Ford Classic 1.4 Duratorq CLXI', 'Hyundai Creta 1.6 VTG Base', 'Maruti Wagon R VXI AMT Opt', 'Hindustan Motors Contessa 2.0 DSL', 'Honda City ZX VTEC Plus', 'Mahindra KUV 100 D75 K8 5Str', 'Skoda Rapid Ultima 1.6 TDI Ambition Plus', 'Maruti Vitara Brezza ZDi Plus AMT', 'Mahindra TUV 300 2015-2019 T8 AMT', 'Toyota Camry MT with Moonroof', 'Maruti Versa DX2', 'Land Rover Freelander 2 S Business Edition', 'Hyundai Santro Xing GLS CNG', 'Fiat Linea Dynamic', 'Honda Amaze E i-DTEC', 'Maruti Ciaz VXI', 'Hyundai Tucson 2.0 e-VGT 4WD AT GLS', 'BMW 3 Series GT 320d Sport Line', 'Mahindra Xylo H9', 'Bentley Flying Spur W12', 'Hyundai Accent 1.2 CRDi SX', 'Ford Endeavour 3.0L AT 4x2', 'Honda WRV i-DTEC VX', 'BMW 5 Series 530i Sport Line', 'Nissan Terrano XE 85 PS', 'Chevrolet Enjoy Petrol LTZ 7 Seater', 'BMW X3 2.5si', 'Toyota Innova 2.5 LE 2014 Diesel 8 Seater', 'Honda City i DTec VX Option BL', 'Hyundai Verna Transform SX VGT CRDi BS III', 'Honda CR-V Diesel 1', 'Volkswagen Jetta 2007-2011 1.6 Trendline', 'Skoda Octavia 2.0 TDI MT Style', 'Volvo S60 D5 Kinetic', 'Toyota Land Cruiser Prado VX L', 'Toyota Innova 2.0 V', 'Fiat Avventura Urban Cross 1.3 Multijet Emotion', 'Hyundai Verna 1.4 CX', 'Renault Koleos 4X2 MT', 'Honda BRV i-DTEC V MT', 'Honda Amaze VX CVT i-VTEC', 'Mahindra Verito Vibe 1.5 dCi D6', 'Maruti A-Star Zxi', 'Hyundai i20 2015-2017 Magna Optional 1.4 CRDi', 'Hyundai Accent Executive LPG', 'Renault Pulse RxZ', 'Maruti Swift VVT ZXI', 'Tata Manza Club Class Safire90 LX', 'Toyota Etios Liva BD', 'Volkswagen CrossPolo 1.2 TDI', 'Mahindra KUV 100 G80 K4 Plus 5Str', 'Maruti SX4 ZXI AT', 'Opel Corsa 1.4Gsi', 'Chevrolet Enjoy 1.3 TCDi LTZ 7', 'Audi Q5 2008-2012 3.0 TDI Quattro', 'Renault Duster 85PS Diesel RxZ', 'Maruti Swift AMT ZXI', 'Honda BR-V i-DTEC S MT', 'Tata Sumo EX 10/7 Str BSII', 'Nissan 370Z AT', 'Mahindra Thar 4X4', 'Maruti 800 DX', 'Hyundai Verna Transform VTG with Audio', 'Tata Tiago 1.05 Revotorq XT Option', 'Mercedes-Benz E-Class 250 D W 124', 'Hyundai Santro Xing XG AT eRLX Euro III', 'Honda Civic 2010-2013 1.8 S MT Inspire', 'Maruti Ritz VDi ABS', 'Jaguar XF 2.0 Petrol Portfolio', 'Skoda Laura L and K MT', 'Volkswagen Vento 1.5 TDI Highline Plus', 'Mercedes-Benz A Class Edition 1', 'Mahindra KUV 100 mFALCON D75 K6 5st r AW', 'Mahindra Scorpio VLS 2.2 mHawk', 'Tata Indica Vista Quadrajet LX', 'Honda Accord 2001-2003 2.3 VTI L MT', 'Ford Fiesta Classic 1.6 Duratec LXI', 'Tata Indica Vista Aqua TDI BSIII', 'Hyundai Accent GLX', 'Toyota Etios Cross 1.2L G', 'Fiat Punto EVO 1.3 Emotion', 'Mahindra Scorpio SLX 2.6 Turbo 8 Str', 'Tata Indica Vista Aqua 1.2 Safire', 'Mercedes-Benz CLA 45 AMG', 'Hyundai Creta 1.6 SX Diesel', 'Audi Q3 30 TDI S Edition', 'Maruti Alto XCITE', 'Hyundai Elantra SX AT', 'Honda Civic 2010-2013 1.8 V AT', 'Tata Indica V2 DiCOR DLG BS-II I', 'Nissan Teana XL', 'Hyundai Creta 1.6 SX Automatic', 'Maruti Vitara Brezza ZDi AMT', 'Land Rover Discovery 4 SDV6 SE', 'Renault Lodgy 110PS RxL', 'Nissan Micra XL CVT', 'Maruti Ertiga VXI Petrol', 'Chevrolet Enjoy 1.4 LTZ 8', 'Land Rover Range Rover HSE', 'Skoda Laura 1.9 TDI MT Elegance', 'Mercedes-Benz GLA Class 220 d 4 MATIC', 'Skoda Superb Petrol Ambition', 'Chevrolet Enjoy TCDi LS 7 Seater', 'Land Rover Discovery 4 TDV6 Auto Diesel', 'Tata Tigor 1.2 Revotron XZ Option', 'Mahindra Scorpio VLX 2WD BSIII', 'Hyundai Elantra GT', 'BMW 7 Series 730Ld DPE Signature', 'Hyundai Santro LS zipDrive Euro I', 'Maruti Celerio X VXI Option', 'Tata Tiago AMT 1.2 Revotron XTA', 'Toyota Etios Liva 1.4 VXD', 'Ford Freestyle Titanium Plus Diesel', 'Mahindra KUV 100 mFALCON G80 K4 5str', 'Mercedes-Benz B Class B180 Sports', 'Mahindra Bolero SLX', 'Hyundai Sonata Embla 2.4L MT', 'Volkswagen Vento 1.2 TSI Comfortline AT', 'Chevrolet Sail Hatchback 1.2', 'Toyota Innova 2.5 GX 8 STR', 'Mahindra KUV 100 mFALCON D75 K2', 'Fiat Avventura FIRE Dynamic', 'Toyota Innova Crysta Touring Sport 2.4 M T', 'Honda Mobilio V i VTEC', 'Mercedes-Benz B Class B180 Sport', 'Fiat Abarth 595 Competizione', 'Volkswagen Vento 1.5 TDI Highline Plus AT', 'Mahindra Scorpio S10 8 Seater', 'Hyundai i20 Active SX Diesel', 'BMW 7 Series 740i Sedan', 'Maruti Ignis 1.2 AMT Delta', 'Mahindra Bolero Power Plus ZLX', 'Mercedes-Benz S Class 2005 2013 320 L', 'Mahindra Scorpio VLX Special Edition BS-IV', 'Mahindra Xylo E9', 'Tata Indica Vista Terra 1.2 Safire BS IV', 'Maruti Ciaz VDi Option SHVS', 'Ford Fiesta Classic 1.6 SXI Duratec', 'Honda Jazz VX CVT', 'Fiat Linea Classic 1.3 Multijet', 'Mitsubishi Pajero Sport 4X2 AT', 'Hyundai i20 1.4 Asta AT (O) with Sunroof', 'Hyundai EON 1.0 Kappa Magna Plus', 'Toyota Corolla Altis GL', 'Honda BR-V i-VTEC VX MT', 'Hyundai EON 1.0 Era Plus', 'Jeep Compass 1.4 Sport', 'Hyundai i20 2015-2017 1.4 CRDi Sportz', 'Ford Fiesta 1.4 SXI Duratorq', 'Datsun GO T Petrol', 'Tata Indica Vista Terra Quadrajet 1.3L BS IV', 'Isuzu MU 7 4x2 HIPACK', 'Ford Ikon 1.4 ZX i', 'Ford EcoSport 1.5 Petrol Ambiente', 'Volkswagen Vento 1.6 Trendline', 'Volkswagen Polo ALLSTAR 1.2 MPI', 'Hyundai Elite i20 Magna Plus'}

Therefore, we decided to create a new column under the name "Cars" to distinguish the car make & model.

```
In [12]: data['Cars'] = data['Name'].str.split(" ").str[0] + ' ' + data['Name'].str.split(" ").str[1]
test['Cars'] = test['Name'].str.split(" ").str[0] + ' ' + test['Name'].str.split(" ").str[1]
```

```
In [13]: set(test['Cars']).issubset(set(data['Cars']))
```

```
Out[13]: False
```

Now, check again, and effectively, there are only 7 cars in the test data set are missing from the train data set. Fine, we drop these items.

```
In [14]: listtrain = data['Cars']
listtest = test['Cars']

# prints the missing and additional elements in List1
print("Missing values in first list:", (set(listtest).difference(listtrain)))
```

Missing values in first list: {'Hindustan Motors', 'Bentley Flying', 'Toyota Land', 'OpelCorsa 1.4Gsi', 'Nissan 370Z', 'Fiat Abarth', 'Isuzu MU'}

```
In [15]: test.drop(test[test['Cars'].isin(['Toyota Land', 'Hindustan Motors', 'Fiat Abarth', 'Nissan 370Z', 'Isuzu MU', 'Bentley Flying', 'OpelCorsa 1.4Gsi'])].index, inplace = True)
```

```
In [16]: test.shape
```

```
Out[16]: (1216, 12)
```

```
In [17]: listtrain = data['Cars']
listtest = test['Cars']

# prints the missing and additional elements in List1
print("Missing values in first list:", (set(listtest).difference(listtrain)))
```

Missing values in first list: set()

```
In [18]: data.head()
```

```
Out[18]:
```

	Name	Location	Year	Kilometers_Driven	Fuel_Type	Transmission	Owner_Type	Mileage	Engine	Power	Seats	Price	Cars
0	Maruti Wagon R LXI CNG	Mumbai	2010	72000	CNG	Manual	First	26.6 km/kg	998 CC	58.16 bhp	5.0	1.75	Maruti Wagon
1	Hyundai Creta 1.6 CRDi SX Option	Pune	2015	41000	Diesel	Manual	First	19.67 kmpl	1582 CC	126.2 bhp	5.0	12.50	Hyundai Cret
2	Honda Jazz V	Chennai	2011	46000	Petrol	Manual	First	18.2 kmpl	1199 CC	88.7 bhp	5.0	4.50	Honda Jaz
3	Maruti Ertiga VDI	Chennai	2012	87000	Diesel	Manual	First	20.77 kmpl	1248 CC	88.76 bhp	7.0	6.00	Maruti Ertig
4	Audi A4 New 2.0 TDI Multitronic	Coimbatore	2013	40670	Diesel	Automatic	Second	15.2 kmpl	1968 CC	140.8 bhp	5.0	17.74	Audi A4

We will convert all data of columns "Mileage", "Engine", "Power", "Seats" into float.

```
In [19]: data['Mileage'] = data['Mileage'].str.replace(' kmpl','')
data['Mileage'] = data['Mileage'].str.replace(' km/kg','')
data['Engine'] = data['Engine'].str.replace(' CC','')
data['Power'] = data['Power'].str.replace('null bhp','112')
data['Power'] = data['Power'].str.replace(' bhp','')

test['Mileage'] = test['Mileage'].str.replace(' kmpl','')
test['Mileage'] = test['Mileage'].str.replace(' km/kg','')
test['Engine'] = test['Engine'].str.replace(' CC','')
test['Power'] = test['Power'].str.replace('null bhp','112')
test['Power'] = test['Power'].str.replace(' bhp','')
```

```
In [20]: data.isnull().sum()
```

```
Out[20]: Name      0  
Location    0  
Year        0  
Kilometers_Driven 0  
Fuel_Type   0  
Transmission 0  
Owner_Type  0  
Mileage     0  
Engine      0  
Power       0  
Seats       0  
Price       0  
Cars        0  
dtype: int64
```

```
In [21]: test.isnull().sum()
```

```
Out[21]: Name      0  
Location    0  
Year        0  
Kilometers_Driven 0  
Fuel_Type   0  
Transmission 0  
Owner_Type  0  
Mileage     0  
Engine      0  
Power       0  
Seats       0  
Cars        0  
dtype: int64
```

```
In [22]: data.dtypes
```

```
Out[22]: Name          object  
Location        object  
Year            int64  
Kilometers_Driven  int64  
Fuel_Type       object  
Transmission    object  
Owner_Type      object  
Mileage         object  
Engine          object  
Power           object  
Seats           float64  
Price           float64  
Cars            object  
dtype: object
```

```
In [23]: data['Mileage'] = data['Mileage'].astype(float)  
data['Mileage'] = data['Mileage'].astype(float)  
data['Engine'] = data['Engine'].astype(float)  
data['Power'] = data['Power'].astype(float)  
  
test['Mileage'] = test['Mileage'].astype(float)  
test['Mileage'] = test['Mileage'].astype(float)  
test['Engine'] = test['Engine'].astype(float)  
test['Power'] = test['Power'].astype(float)
```

```
In [24]: data.describe()
```

Out[24]:

	Year	Kilometers_Driven	Mileage	Engine	Power	Seats	Price
count	5975.000000	5.975000e+03	5975.000000	5975.000000	5975.000000	5975.000000	5975.000000
mean	2013.386778	5.867431e+04	18.179408	1621.606695	113.254882	5.278828	9.501647
std	3.247238	9.155851e+04	4.521801	601.036987	53.415632	0.808959	11.205736
min	1998.000000	1.710000e+02	0.000000	624.000000	34.200000	0.000000	0.440000
25%	2012.000000	3.390800e+04	15.200000	1198.000000	77.000000	5.000000	3.500000
50%	2014.000000	5.300000e+04	18.160000	1493.000000	98.600000	5.000000	5.650000
75%	2016.000000	7.300000e+04	21.100000	1984.000000	138.100000	5.000000	9.950000
max	2019.000000	6.500000e+06	33.540000	5998.000000	560.000000	10.000000	160.000000

```
In [25]: feature = ['Cars', 'Location', 'Year', 'Kilometers_Driven', 'Fuel_Type', 'Transmission',
                 'Owner_Type', 'Mileage', 'Engine', 'Power', 'Seats', 'Price']
data = pd.DataFrame(data, columns=feature)

feature1 = ['Cars', 'Location', 'Year', 'Kilometers_Driven', 'Fuel_Type', 'Transmission',
            'Owner_Type', 'Mileage', 'Engine', 'Power', 'Seats']
test = pd.DataFrame(test, columns=feature1)
```

II. EXPLORATORY DATA ANALYSIS

After preprocessing the data, it is analyzed through visual exploration to gather insights about the model that can be applied to the data, understand the diversity in the data and the range of every field. We use a bar chart, box plot, distribution graph, etc. to explore each feature varies and its relation with other features including the target feature.

```
In [26]: data.head()
```

Out[26]:

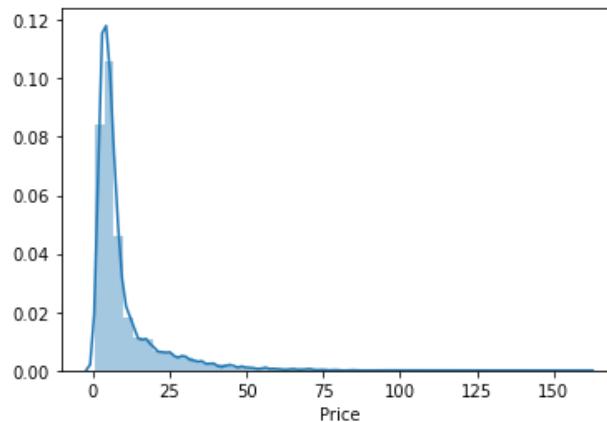
	Cars	Location	Year	Kilometers_Driven	Fuel_Type	Transmission	Owner_Type	Mileage	Engine	Power	Seats	Price
0	Maruti Wagon	Mumbai	2010	72000	CNG	Manual	First	26.60	998.0	58.16	5.0	1.75
1	Hyundai Creta	Pune	2015	41000	Diesel	Manual	First	19.67	1582.0	126.20	5.0	12.50
2	Honda Jazz	Chennai	2011	46000	Petrol	Manual	First	18.20	1199.0	88.70	5.0	4.50
3	Maruti Ertiga	Chennai	2012	87000	Diesel	Manual	First	20.77	1248.0	88.76	7.0	6.00
4	Audi A4	Coimbatore	2013	40670	Diesel	Automatic	Second	15.20	1968.0	140.80	5.0	17.74

Let's check the Price first.

```
In [27]: sns.distplot(data['Price'])

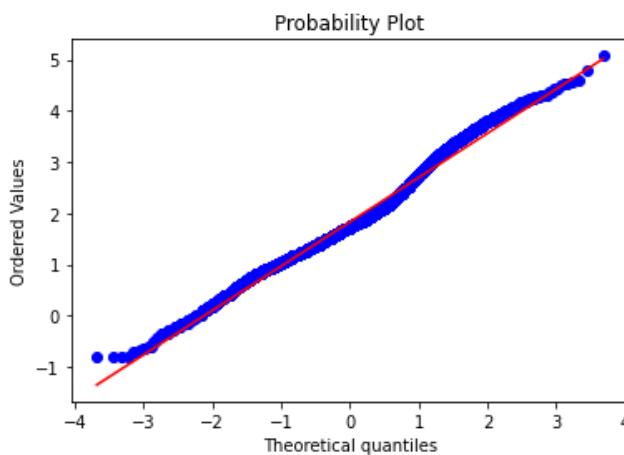
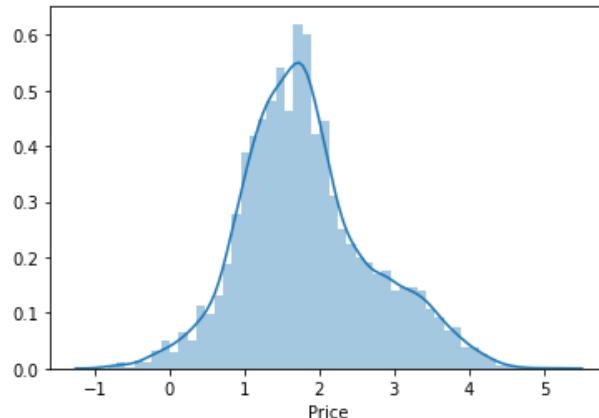
print("Skewness: %f" % data['Price'].skew())
print("Kurtosis: %f" % data['Price'].kurt())
```

Skewness: 3.334741
Kurtosis: 17.073183



We can observe that the distribution of prices shows a high positive skewness to the left ($\text{skew} > 1$). A kurtosis value of 17 is very high, meaning that there is a profusion of outliers in the dataset.

```
In [28]: #applying log transformation
data['Price'] = np.log(data['Price'])
#transformed histogram and normal probability plot
sns.distplot(data['Price']);
sns.distplot(data['Price'], fit=None);
fig = plt.figure()
res = stats.probplot(data['Price'], plot=plt)
```



We found that converting the value of Price to Log(Price) might be a good solution to have a more normal visualization of the distribution of the Price, however, this alternative has no major or decisive effect on the results of the train and/ or predict procedure in the next section. Therefore, in order not to complicate matters, we decided to keep the whole processed database up to this step to analyze the parameters' correlations and conduct the modeling in the following section.

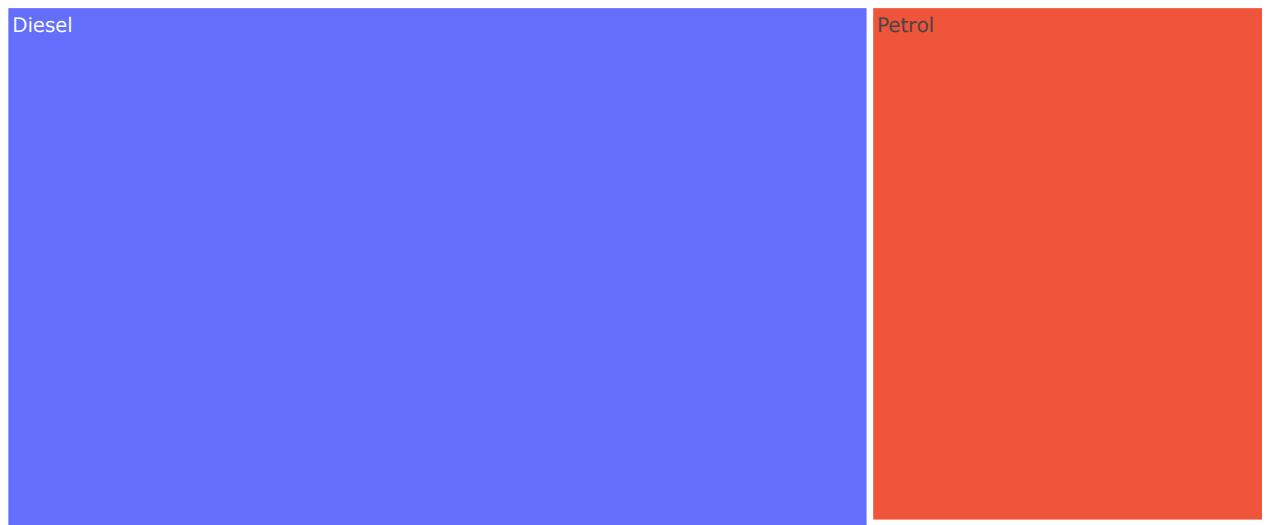
RELATIONSHIP OF PRICE WITH OTHER PARAMETER

```
In [29]: # Find most important features relative to target Price
print("Find most important features relative to Price-target")
corr = data.corr()
corr.sort_values(["Price"], ascending = False, inplace = True)
print(corr.Price)
```

```
Find most important features relative to Price-target
Price           1.000000
Power          0.755995
Engine          0.687712
Year            0.503999
Seats           0.163818
Kilometers_Driven -0.047187
Mileage         -0.265965
Name: Price, dtype: float64
```

```
In [30]: px.treemap(data.groupby(by='Fuel_Type').sum().reset_index(), path=[ 'Fuel_Type'], labels='Fuel_Type',
values='Price', title='Price vs Fuel_type')
```

Price vs Fuel_type



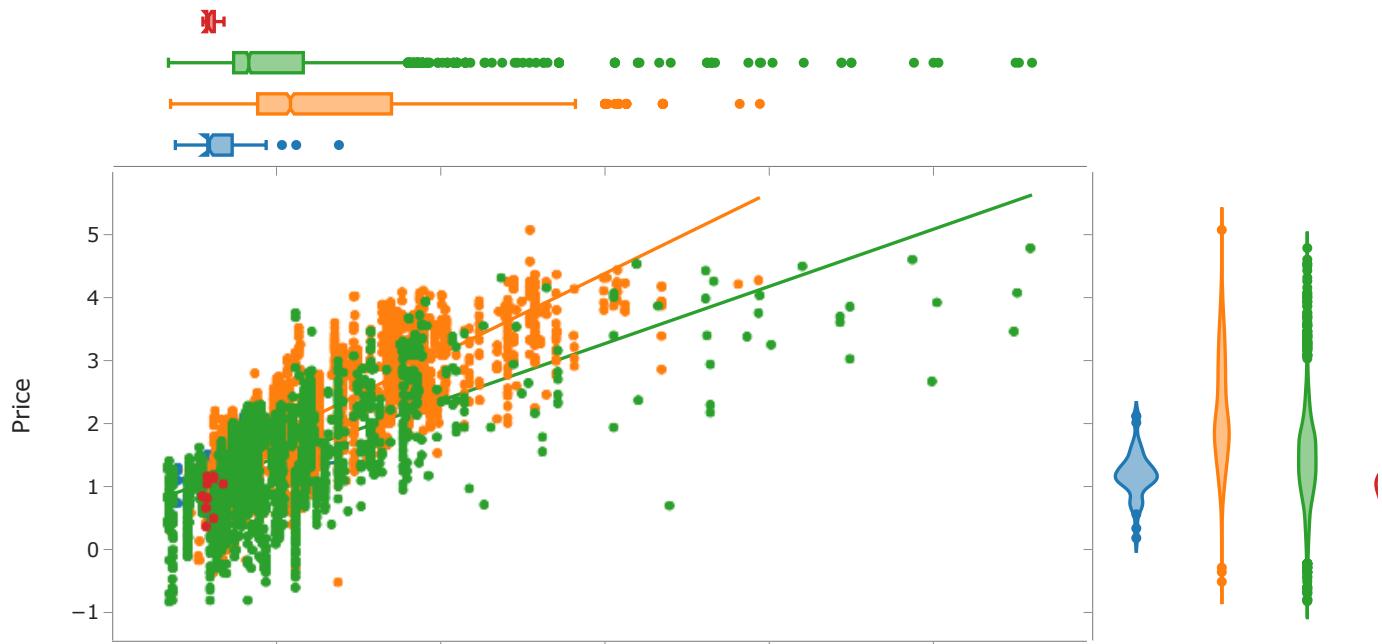
Wow, Diesel vehicles are the majority, NOT petrole cars.

```
In [31]: import scipy.signal.signaltools

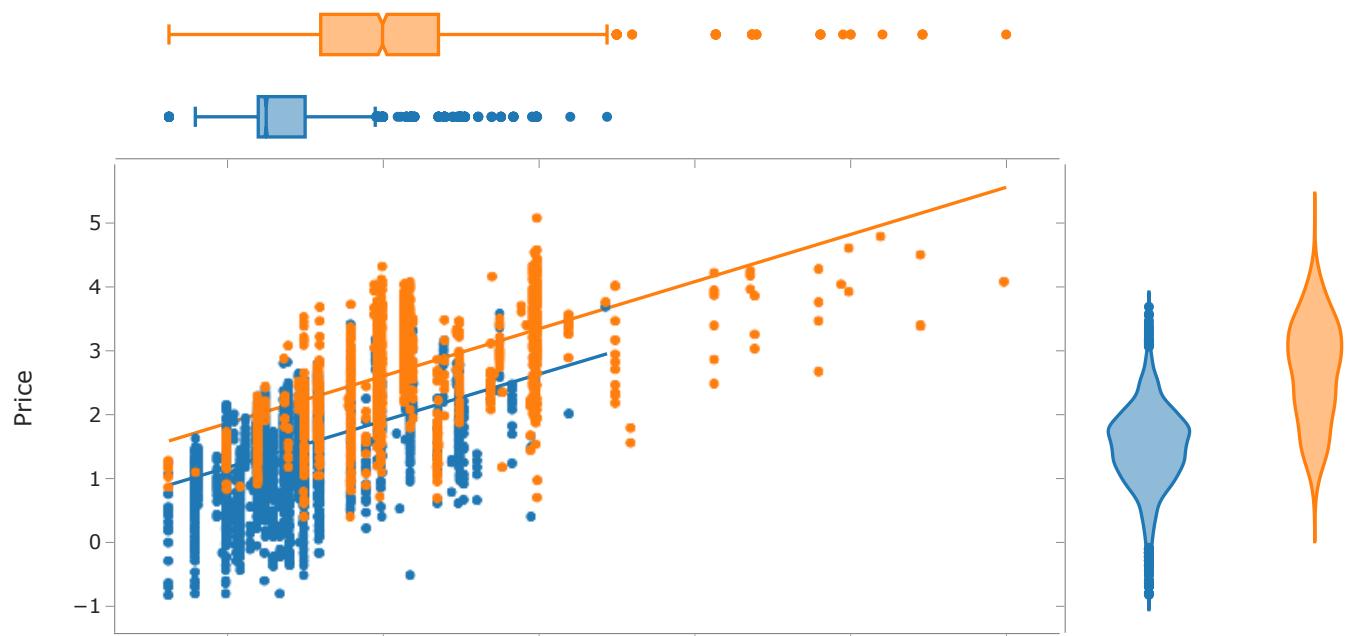
def _centered(arr, newsize):
    # Return the center newsize portion of the array.
    newsize = np.asarray(newsize)
    currsize = np.array(arr.shape)
    startind = (currsize - newsize) // 2
    endind = startind + newsize
    myslice = [slice(startind[k], endind[k]) for k in range(len(endind))]
    return arr[tuple(myslice)]

scipy.signal.signaltools._centered = _centered
```

```
In [32]: from scipy.signal.signaltools import _centered
yprop = 'Price'
xprop = 'Power'
h= 'Fuel_Type'
px.scatter(data, x=xprop, y=yprop, color=h, marginal_y="violin", marginal_x="box", trendline="ols", template="simple_white")
```

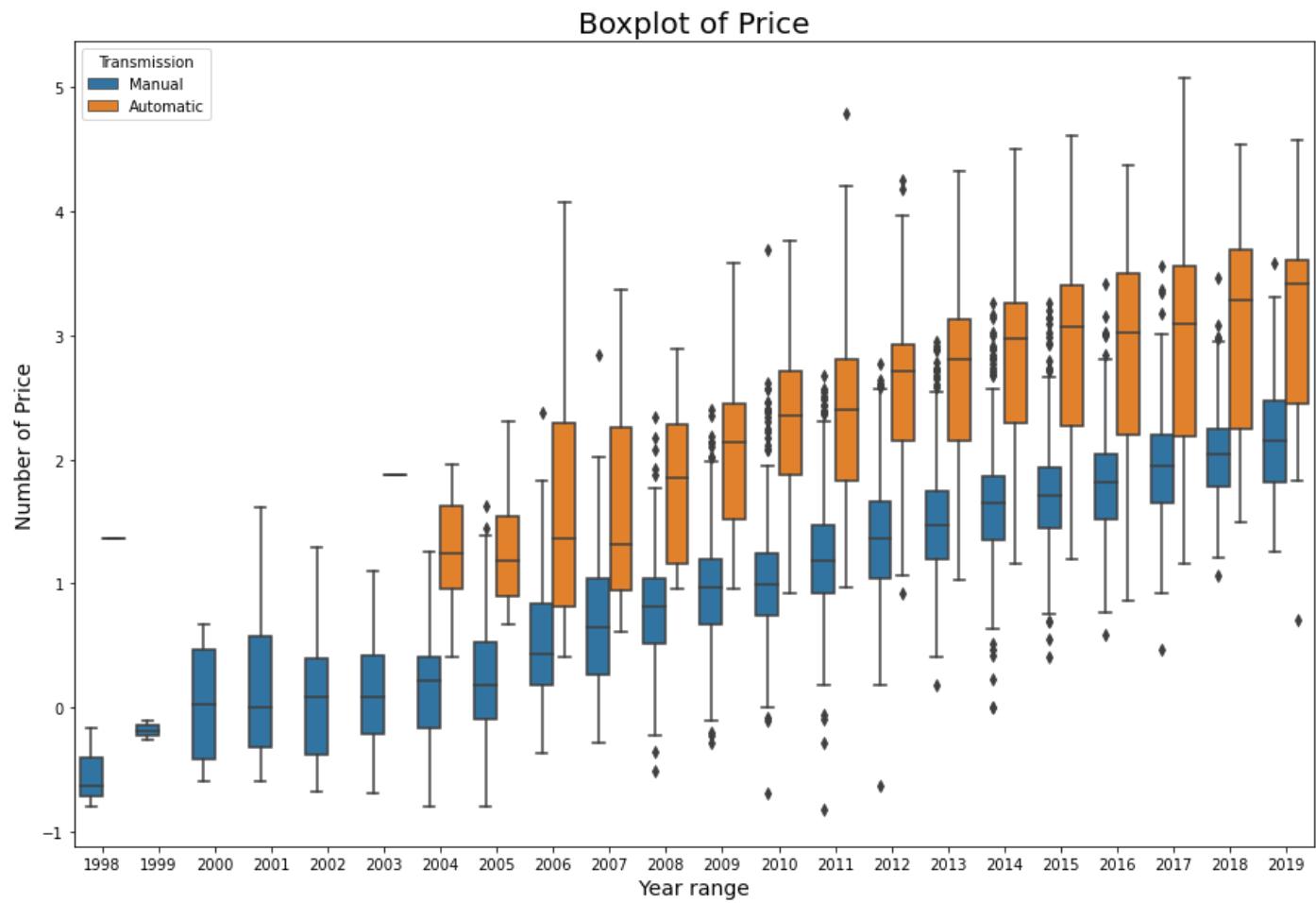


```
In [33]: yprop = 'Price'  
xprop = 'Engine'  
h= 'Transmission'  
px.scatter(data, x=xprop, y=yprop, color=h, marginal_y="violin", marginal_x="box", trendline="ols", template  
="simple_white")
```



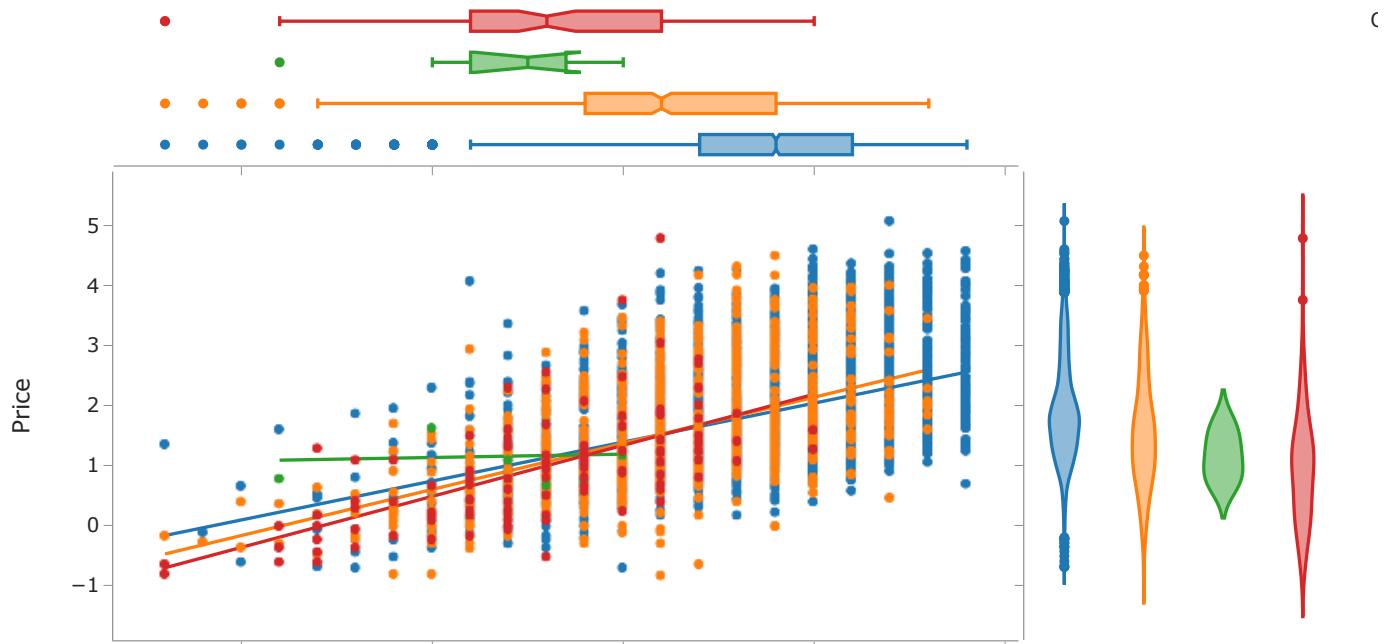
In [34]:

```
plt.figure(figsize=(15,10))
xprop = 'Year'
yprop = 'Price'
sns.boxplot(data=data, x=xprop, y=yprop, hue='Transmission')
plt.xlabel('{} range'.format(xprop), size=14)
plt.ylabel('Number of {}'.format(yprop), size=14)
plt.title('Boxplot of {}'.format(yprop), size=20)
plt.show()
```



"New" cars are more expensive than "Old" cars, and Automatic cars are more costly.

```
In [35]: yprop = 'Price'
xprop = 'Year'
h= 'Owner_Type'
px.scatter(data, x=xprop, y=yprop, color=h, marginal_y="violin", marginal_x="box", trendline="ols", template
="simple_white")
#fig.update_layout(xaxis_range=[0,5e5])
```

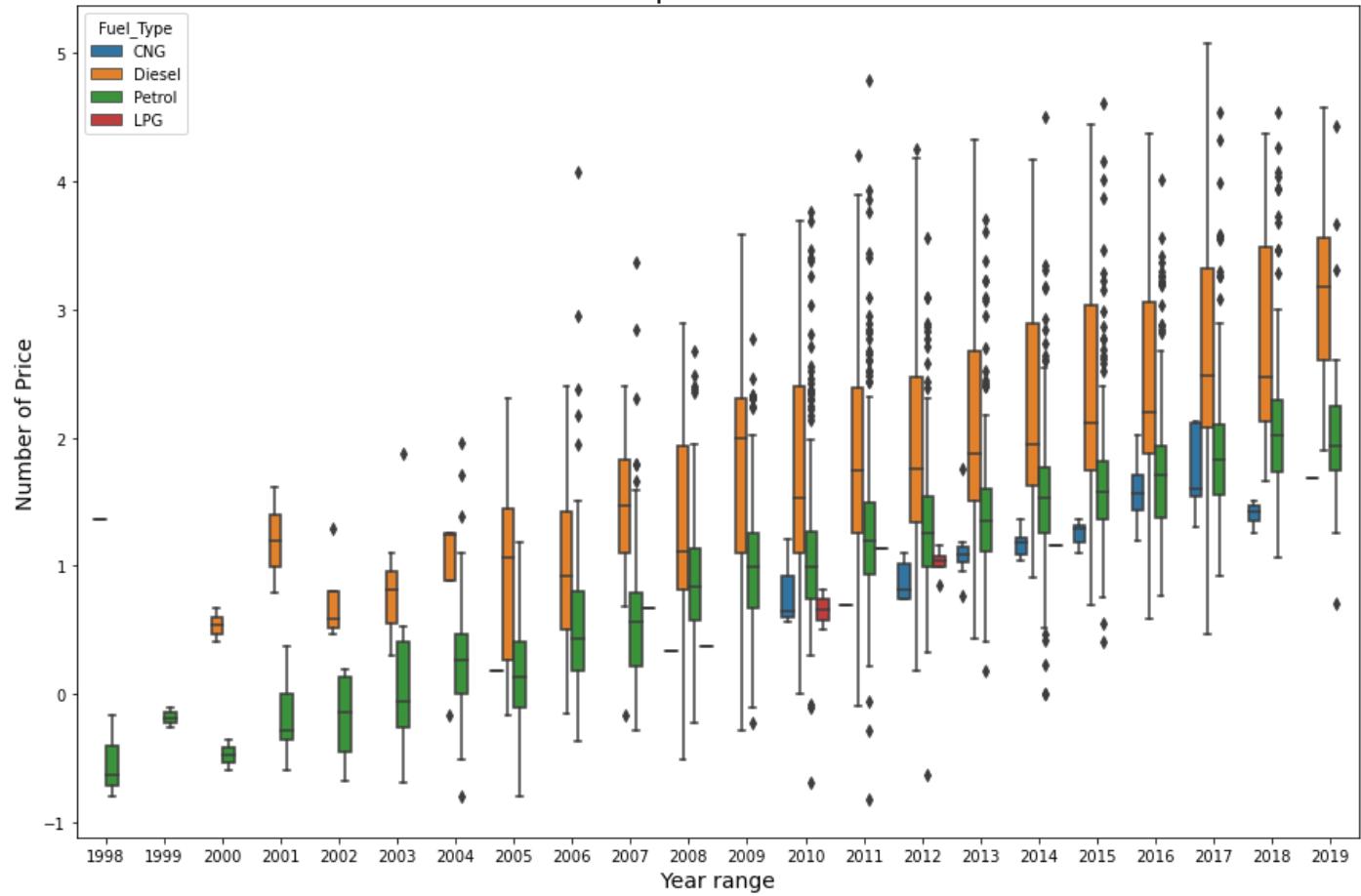


The THIRD OWNER' CARS are sometime more expensive than the second-hand.

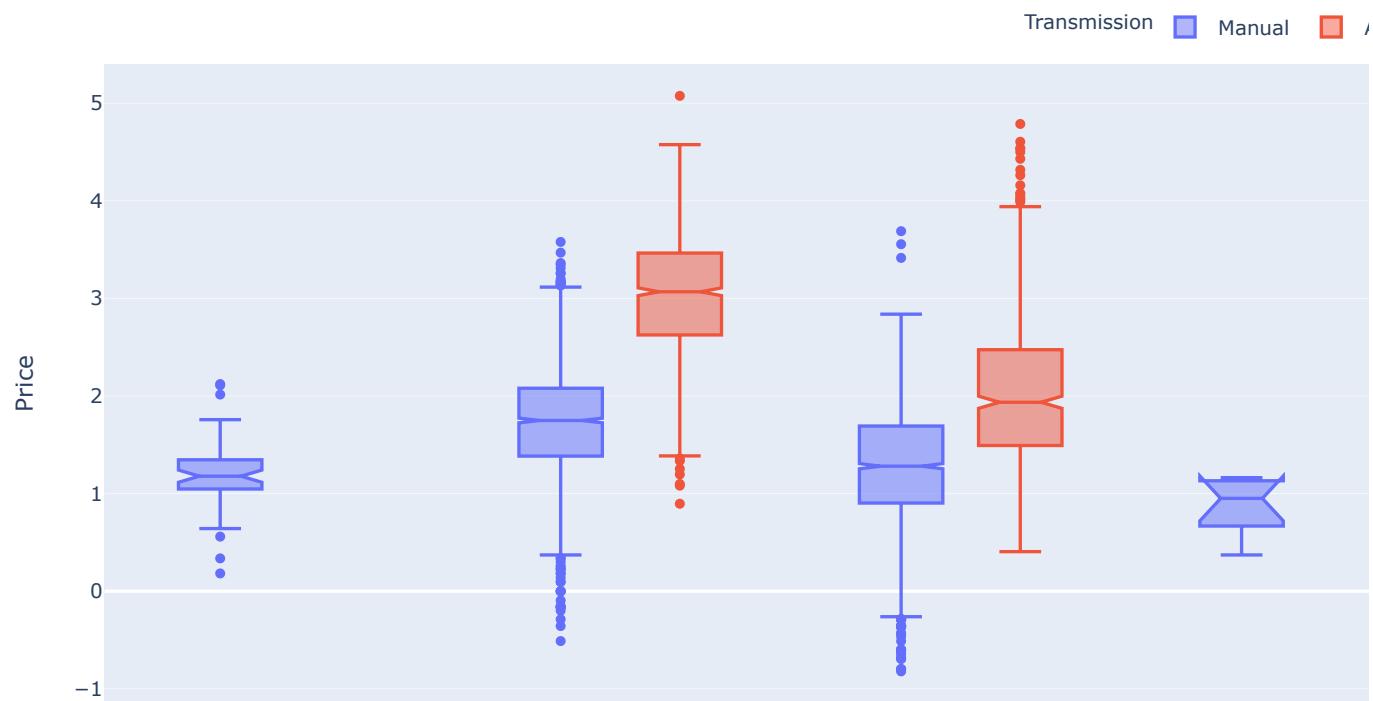
In [36]:

```
plt.figure(figsize=(15,10))
xprop = 'Year'
yprop = 'Price'
sns.boxplot(data=data, x=xprop, y=yprop, hue='Fuel_Type')
plt.xlabel('{} range'.format(xprop), size=14)
plt.ylabel('Number of {}'.format(yprop), size=14)
plt.title('Boxplot of {}'.format(yprop), size=20)
plt.show()
```

Boxplot of Price

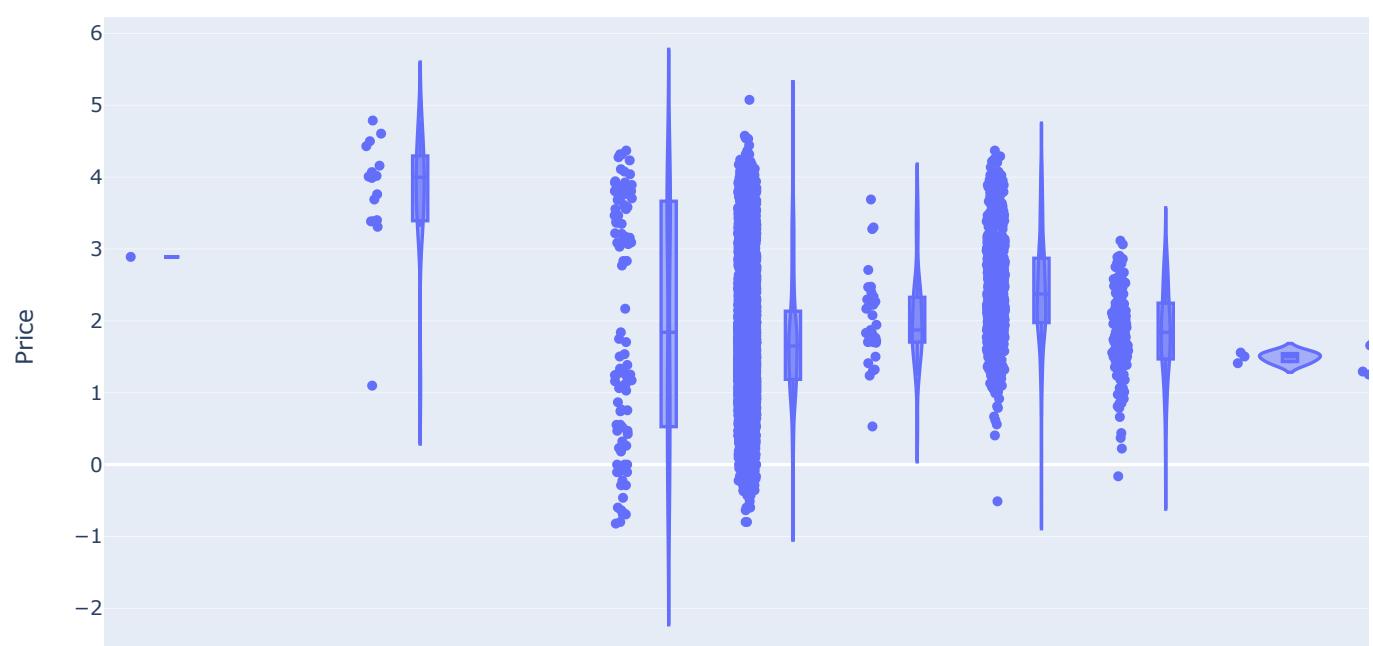


```
In [37]: fig = px.box(data, x='Fuel_Type', y='Price', color='Transmission', notched=True)
fig.update_layout(legend=dict(orientation="h", yanchor="bottom", y=1.02, xanchor="right", x=1))
fig.show()
```

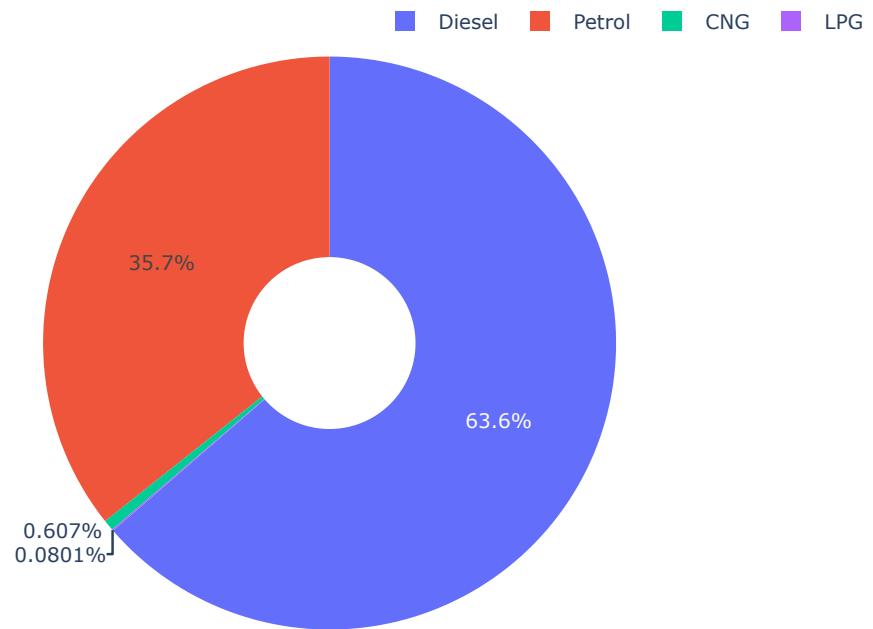


Again, this confirmed that the Petrol vehicle is cheaper than the Diesel.

```
In [38]: px.violin(data, y='Price', x='Seats', color=None, box=True, points="all", hover_data=data.columns)
```



```
In [39]: import plotly.graph_objects as go
fig = go.Figure(data=[go.Pie(labels=data['Fuel_Type'], values=data['Price'], hole=.3)])
fig.update_layout(legend=dict(orientation="h", yanchor="bottom",y=1.02,xanchor="right",x=1))
fig.show()
```



III. MODEL DESCRIPTION

A. Data preparation & Model Parameters

```
In [40]: import copy
df_train=copy.deepcopy(data)
df_test=copy.deepcopy(test)

cols=np.array(data.columns[data.dtypes != object])
for i in df_train.columns:
    if i not in cols:
        df_train[i]=df_train[i].map(str)
        df_test[i]=df_test[i].map(str)
df_train.drop(columns=cols,inplace=True)
df_test.drop(columns=np.delete(cols,len(cols)-1),inplace=True)
```

Coding the categorical parameters using LabelEncoder.

```
In [41]: from sklearn.preprocessing import LabelEncoder
from collections import defaultdict

# build dictionary function
cols=np.array(data.columns[data.dtypes != object])
d = defaultdict(LabelEncoder)

# only for categorical columns apply dictionary by calling fit_transform
df_train = df_train.apply(lambda x: d[x.name].fit_transform(x))
df_test = df_test.apply(lambda x: d[x.name].transform(x))
df_train[cols] = data[cols]
df_test[np.delete(cols, len(cols)-1)]=test[np.delete(cols, len(cols)-1)]
```

```
In [42]: df_test.head()
```

Out[42]:

	Cars	Location	Fuel_Type	Transmission	Owner_Type	Year	Kilometers_Driven	Mileage	Engine	Power	Seats
0	106	4	0	1	0	2014	40929	32.26	998.0	58.20	4.0
1	106	3	3	1	2	2013	54493	24.70	796.0	47.30	5.0
2	197	9	1	1	0	2017	34000	13.68	2393.0	147.80	7.0
3	195	5	1	1	0	2012	139000	23.59	1364.0	112.00	5.0
4	78	9	3	1	0	2014	29000	18.50	1197.0	82.85	5.0

```
In [43]: df_train.head()
```

Out[43]:

	Cars	Location	Fuel_Type	Transmission	Owner_Type	Year	Kilometers_Driven	Mileage	Engine	Power	Seats	Price
0	124	9	0	1	0	2010	72000	26.60	998.0	58.16	5.0	0.559616
1	65	10	1	1	0	2015	41000	19.67	1582.0	126.20	5.0	2.525729
2	60	2	3	1	0	2011	46000	18.20	1199.0	88.70	5.0	1.504077
3	112	2	1	1	0	2012	87000	20.77	1248.0	88.76	7.0	1.791759
4	2	3	1	0	2	2013	40670	15.20	1968.0	140.80	5.0	2.875822

B. Training and Testing

We split our dataset into training, testing data with a 70:30 split ratio. The splitting was done by picking at random which results in a balance between the training data and testing data amongst the whole dataset. This is done to avoid overfitting and enhance generalization. Finally, we selected 11 characters in the dataset to train the model.

```
In [44]: ftrain = ['Cars', 'Location', 'Year', 'Kilometers_Driven', 'Fuel_Type', 'Transmission',
             'Owner_Type', 'Mileage', 'Engine', 'Power', 'Seats', 'Price']

def Definedata():
    # define dataset
    data2 = df_train[ftrain]
    X = data2.drop(columns=['Price']).values
    y0 = data2['Price'].values
    lab_enc = preprocessing.LabelEncoder()
    y = lab_enc.fit_transform(y0)
    return X, y
```

Now, we create different functions to calculate deviations, important features and graphical illustration.

```
In [45]: def Models(models):

    model = models
    X, y = Definedata()
    X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.33, random_state = 25)
    model.fit(X_train,y_train)
    y_pred = model.predict(X_test)
    y_total = model.predict(X)

    print("\t\tError Table")
    print('Mean Absolute Error      : ', metrics.mean_absolute_error(y_test, y_pred))
    print('Mean Squared Error       : ', metrics.mean_squared_error(y_test, y_pred))
    print('Root Mean Squared Error : ', np.sqrt(metrics.mean_squared_error(y_test, y_pred)))
    print('Accuracy on Traing set  : ', model.score(X_train,y_train))
    print('Accuracy on Testing set : ', model.score(X_test,y_test))
    return y_total, y

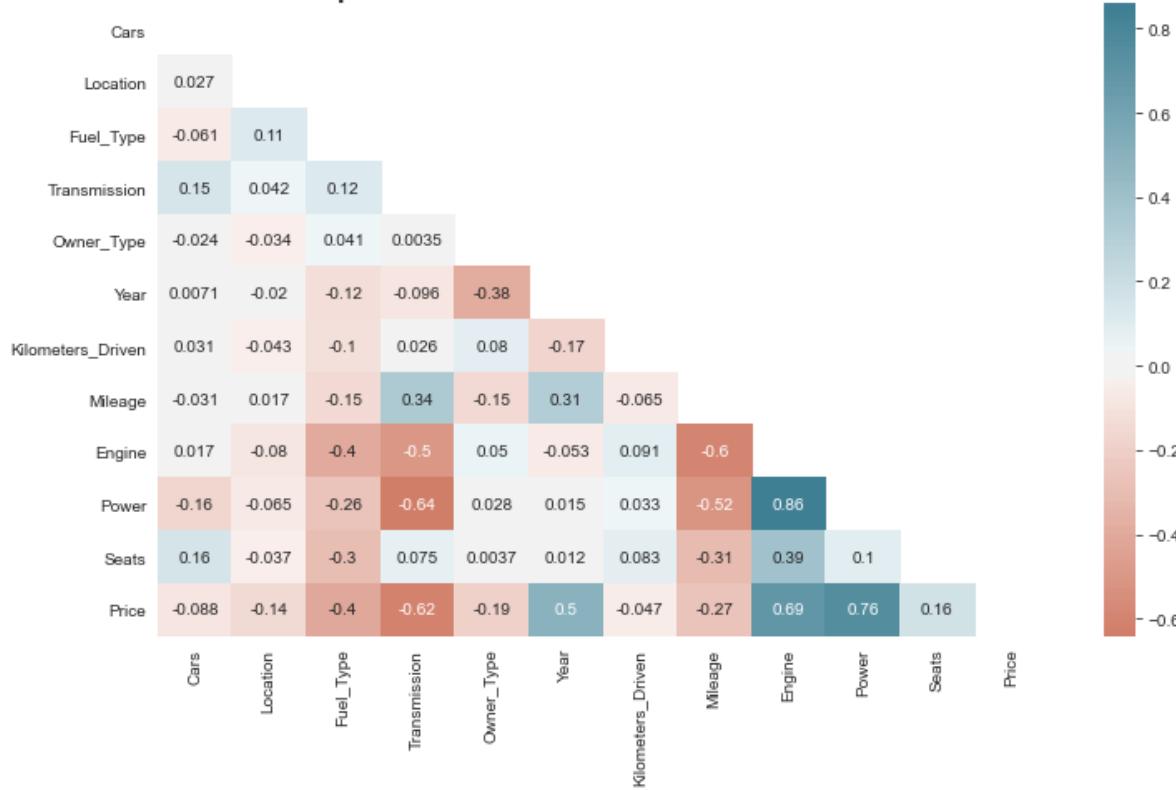
def Featureimportances(models):
    model = models
    model.fit(X_train,y_train)
    importances = model.feature_importances_
    features = df_test.columns[:9]
    imp = pd.DataFrame({'Features': ftest, 'Importance': importances})
    imp['Sum Importance'] = imp['Importance'].cumsum()
    imp = imp.sort_values(by = 'Importance')
    return imp

def Graph_prediction(n, y_actual, y_predicted):
    y = y_actual
    y_total = y_predicted
    number = n
    aa=[x for x in range(number)]
    plt.figure(figsize=(25,10))
    plt.plot(aa, y[:number], marker='.', label="actual")
    plt.plot(aa, y_total[:number], 'b', label="prediction")
    plt.xlabel('Price prediction of first {} used cars'.format(number), size=15)
    plt.legend(fontsize=15)
    plt.show()
```

Firstly, take a quick look at the correlation matrix.

```
In [46]: style.use('ggplot')
sns.set_style('whitegrid')
plt.subplots(figsize = (12,7))
## Plotting heatmap. # Generate a mask for the upper triangle (taken from seaborn example gallery)
mask = np.zeros_like(df_train.corr(), dtype=np.bool)
mask[np.triu_indices_from(mask)] = True
sns.heatmap(df_train.corr(), cmap=sns.diverging_palette(20, 220, n=200), annot=True, mask=mask, center = 0,
);
plt.title("Heatmap of all the Features of Train data set", fontsize = 25);
```

Heatmap of all the Features of Train data set



C. Models Comparison

The model score is the coefficient of determination R2 of the prediction. In total, we have examined 9 models to train/predict the used cars price.

```
In [47]: Acc = pd.DataFrame(index=None, columns=['model', 'Root Mean Squared Error', 'Accuracy on Training set', 'Accuracy on Testing set'])
```

```
In [48]: X, y = Definedata()
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.33, random_state = 25)

regressors = [[['DecisionTreeRegressor',DecisionTreeRegressor()],
              ['XGBRegressor', XGBRegressor()],
              ['RandomForestRegressor', RandomForestRegressor()],
              ['MLPRegressor',MLPRegressor()],
              ['AdaBoostRegressor',AdaBoostRegressor()],
              ['ExtraTreesRegressor',ExtraTreesRegressor()]]]

for mod in regressors:
    name = mod[0]
    model = mod[1]
    model.fit(X_train,y_train)
    y_pred = model.predict(X_test)

    RMSE = np.sqrt(metrics.mean_squared_error(y_test, y_pred))
    ATrS = model.score(X_train,y_train)
    ATeS = model.score(X_test,y_test)

    Acc = Acc.append(pd.Series({'model':name, 'Root Mean Squared Error': RMSE,'Accuracy on Traing set':ATrS,'Accuracy on Testing set':ATEs}),ignore_index=True )
```

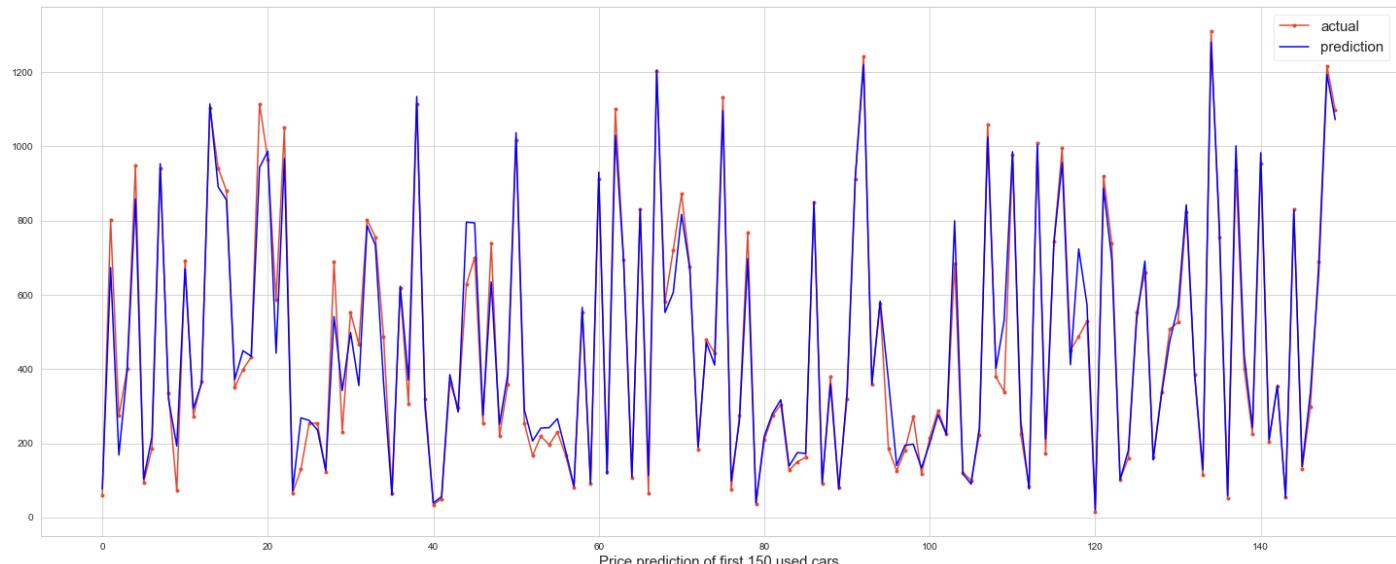
```
In [49]: Acc.sort_values(by='Accuracy on Testing set')
```

Out[49]:

	model	Root Mean Squared Error	Accuracy on Traing set	Accuracy on Testing set
3	MLPRegressor	217.583591	0.658530	0.605742
4	AdaBoostRegressor	149.307745	0.829432	0.814351
0	DecisionTreeRegressor	111.515302	0.999993	0.896439
2	RandomForestRegressor	83.192219	0.991638	0.942364
5	ExtraTreesRegressor	79.697876	0.999993	0.947104
1	XGBRegressor	74.815814	0.994635	0.953386

```
In [50]: y_predicted, y_actual = Models(RandomForestRegressor(n_estimators=10000,min_samples_split=2,min_samples_leaf=1,max_features='sqrt',max_depth=25))
Graph_prediction(150, y_actual, y_predicted)
```

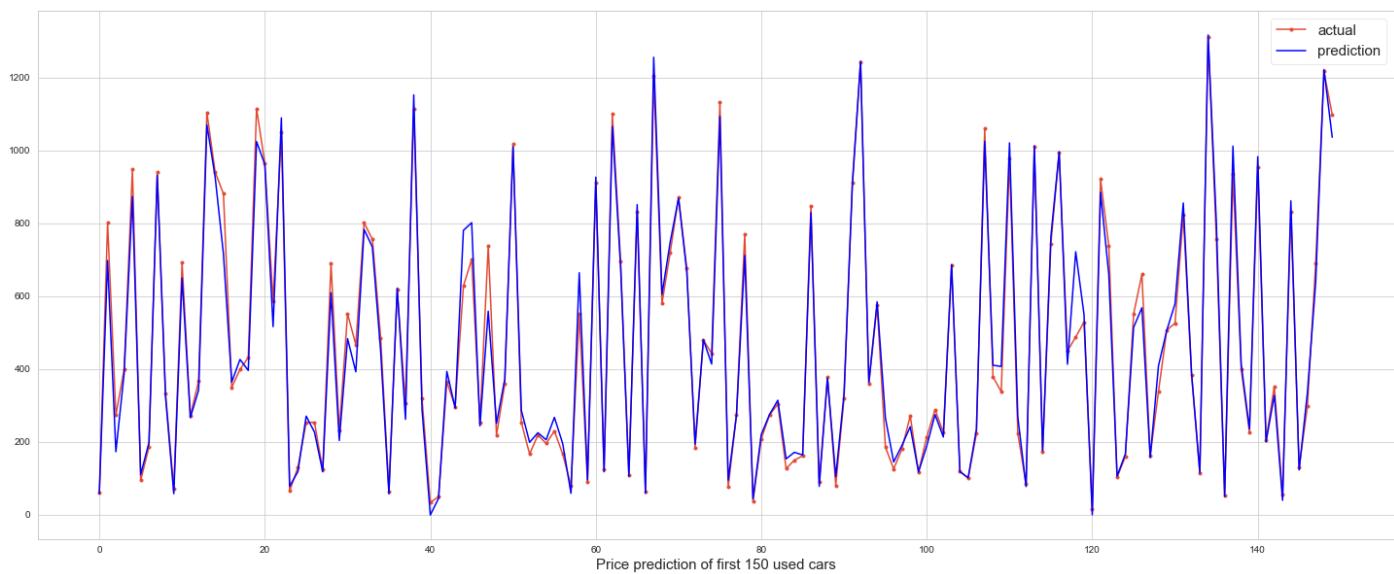
Error Table
Mean Absolute Error : 56.03941756674308
Mean Squared Error : 6252.854682120951
Root Mean Squared Error : 79.07499403807091
Accuracy on Traing set : 0.9926086383865951
Accuracy on Testing set : 0.947927666720604



```
In [51]: y_predicted, y_actual = Models(GradientBoostingRegressor(random_state=21, n_estimators=3000))
Graph_prediction(150, y_actual, y_predicted)
```

Error Table

Mean Absolute Error : 47.05285207381301
Mean Squared Error : 4775.906080512007
Root Mean Squared Error : 69.10793066292759
Accuracy on Traing set : 0.9947381034525249
Accuracy on Testing set : 0.9602273544199561



```
In [52]: y_predicted, y_actual = Models(CatBoostRegressor(iterations= 10000, learning_rate= 0.02, random_state= 60))
```

0:	learn: 345.6209555	total: 169ms	remaining: 28m 5s
1:	learn: 340.5798029	total: 173ms	remaining: 14m 23s
2:	learn: 335.4172116	total: 177ms	remaining: 9m 51s
3:	learn: 330.4256615	total: 181ms	remaining: 7m 32s
4:	learn: 325.3055417	total: 185ms	remaining: 6m 10s
5:	learn: 320.2643598	total: 189ms	remaining: 5m 15s
6:	learn: 315.4987069	total: 193ms	remaining: 4m 35s
7:	learn: 310.9374902	total: 197ms	remaining: 4m 5s
8:	learn: 306.3487714	total: 200ms	remaining: 3m 42s
9:	learn: 301.8586451	total: 204ms	remaining: 3m 24s
10:	learn: 297.4062292	total: 209ms	remaining: 3m 9s
11:	learn: 293.1492281	total: 213ms	remaining: 2m 56s
12:	learn: 288.9032681	total: 216ms	remaining: 2m 46s
13:	learn: 284.6983842	total: 220ms	remaining: 2m 36s
14:	learn: 280.7840875	total: 224ms	remaining: 2m 29s
15:	learn: 276.8911780	total: 228ms	remaining: 2m 22s
16:	learn: 272.8694885	total: 231ms	remaining: 2m 15s
17:	learn: 269.0154973	total: 235ms	remaining: 2m 10s
18:	learn: 265.4211213	total: 238ms	remaining: 2m 5s
19:	learn: 261.7408900	total: 242ms	remaining: 2m
20:	learn: 258.2795555	total: 246ms	remaining: 1m 56s
21:	learn: 254.9756161	total: 249ms	remaining: 1m 53s
22:	learn: 251.7052883	total: 253ms	remaining: 1m 49s
23:	learn: 248.4252781	total: 257ms	remaining: 1m 46s
24:	learn: 245.0703260	total: 260ms	remaining: 1m 43s
25:	learn: 241.8857087	total: 263ms	remaining: 1m 41s
26:	learn: 238.6926779	total: 267ms	remaining: 1m 38s
27:	learn: 235.5813877	total: 270ms	remaining: 1m 36s
28:	learn: 232.6354202	total: 274ms	remaining: 1m 34s
29:	learn: 229.6467696	total: 277ms	remaining: 1m 32s
30:	learn: 226.6734818	total: 281ms	remaining: 1m 30s
31:	learn: 223.6389766	total: 285ms	remaining: 1m 28s
32:	learn: 220.8666557	total: 288ms	remaining: 1m 26s
33:	learn: 218.1340381	total: 291ms	remaining: 1m 25s
34:	learn: 215.6454645	total: 295ms	remaining: 1m 23s
35:	learn: 213.0049715	total: 299ms	remaining: 1m 22s
36:	learn: 210.3395868	total: 302ms	remaining: 1m 21s
37:	learn: 207.8863932	total: 305ms	remaining: 1m 20s
38:	learn: 205.4192487	total: 308ms	remaining: 1m 18s
39:	learn: 202.9995448	total: 312ms	remaining: 1m 17s
40:	learn: 200.6340884	total: 316ms	remaining: 1m 16s
41:	learn: 198.3598118	total: 319ms	remaining: 1m 15s
42:	learn: 196.0931063	total: 323ms	remaining: 1m 14s
43:	learn: 193.8727072	total: 326ms	remaining: 1m 13s
44:	learn: 191.7487003	total: 330ms	remaining: 1m 13s
45:	learn: 189.7176319	total: 334ms	remaining: 1m 12s
46:	learn: 187.7409231	total: 338ms	remaining: 1m 11s
47:	learn: 185.7229148	total: 342ms	remaining: 1m 10s
48:	learn: 183.7816924	total: 345ms	remaining: 1m 10s
49:	learn: 181.8343378	total: 349ms	remaining: 1m 9s
50:	learn: 179.9539257	total: 352ms	remaining: 1m 8s
51:	learn: 178.0457265	total: 356ms	remaining: 1m 8s
52:	learn: 176.3229310	total: 359ms	remaining: 1m 7s
53:	learn: 174.5596780	total: 362ms	remaining: 1m 6s
54:	learn: 172.7686274	total: 366ms	remaining: 1m 6s
55:	learn: 171.1137680	total: 369ms	remaining: 1m 5s
56:	learn: 169.4931945	total: 373ms	remaining: 1m 5s
57:	learn: 167.8991399	total: 376ms	remaining: 1m 4s
58:	learn: 166.3604537	total: 380ms	remaining: 1m 3s
59:	learn: 164.7411462	total: 383ms	remaining: 1m 3s
60:	learn: 163.2842303	total: 387ms	remaining: 1m 2s
61:	learn: 161.8219215	total: 391ms	remaining: 1m 2s
62:	learn: 160.4579643	total: 394ms	remaining: 1m 2s
63:	learn: 159.1480895	total: 398ms	remaining: 1m 1s
64:	learn: 157.8059763	total: 402ms	remaining: 1m 1s
65:	learn: 156.4955320	total: 406ms	remaining: 1m 1s
66:	learn: 155.1966182	total: 409ms	remaining: 1m
67:	learn: 153.9110401	total: 412ms	remaining: 1m
68:	learn: 152.7249916	total: 416ms	remaining: 59.9s
69:	learn: 151.5332940	total: 419ms	remaining: 59.5s
70:	learn: 150.3811481	total: 423ms	remaining: 59.1s
71:	learn: 149.1670770	total: 427ms	remaining: 58.8s
72:	learn: 148.0569410	total: 430ms	remaining: 58.5s
73:	learn: 146.8792165	total: 433ms	remaining: 58.1s

74: learn: 145.8178126 total: 437ms remaining: 57.8s
75: learn: 144.7204950 total: 440ms remaining: 57.5s
76: learn: 143.7219437 total: 444ms remaining: 57.2s
77: learn: 142.6889464 total: 447ms remaining: 56.9s
78: learn: 141.6430793 total: 451ms remaining: 56.6s
79: learn: 140.5978815 total: 454ms remaining: 56.3s
80: learn: 139.6282370 total: 458ms remaining: 56s
81: learn: 138.6998625 total: 461ms remaining: 55.8s
82: learn: 137.7952307 total: 464ms remaining: 55.5s
83: learn: 136.8899632 total: 468ms remaining: 55.2s
84: learn: 136.0177063 total: 471ms remaining: 55s
85: learn: 135.1574047 total: 475ms remaining: 54.7s
86: learn: 134.2943971 total: 478ms remaining: 54.5s
87: learn: 133.5129940 total: 482ms remaining: 54.3s
88: learn: 132.6383903 total: 486ms remaining: 54.1s
89: learn: 131.8107421 total: 489ms remaining: 53.9s
90: learn: 131.0237101 total: 493ms remaining: 53.7s
91: learn: 130.2778226 total: 497ms remaining: 53.5s
92: learn: 129.5232482 total: 500ms remaining: 53.3s
93: learn: 128.7789630 total: 504ms remaining: 53.1s
94: learn: 128.0962840 total: 507ms remaining: 52.9s
95: learn: 127.5041398 total: 511ms remaining: 52.7s
96: learn: 126.8263134 total: 514ms remaining: 52.5s
97: learn: 126.1130849 total: 518ms remaining: 52.3s
98: learn: 125.5065228 total: 521ms remaining: 52.1s
99: learn: 124.9200168 total: 525ms remaining: 52s
100: learn: 124.3602478 total: 528ms remaining: 51.8s
101: learn: 123.8291088 total: 532ms remaining: 51.6s
102: learn: 123.2485092 total: 535ms remaining: 51.4s
103: learn: 122.6780751 total: 539ms remaining: 51.3s
104: learn: 122.1358962 total: 542ms remaining: 51.1s
105: learn: 121.5970881 total: 546ms remaining: 50.9s
106: learn: 121.0862615 total: 549ms remaining: 50.7s
107: learn: 120.5825577 total: 552ms remaining: 50.6s
108: learn: 120.0637277 total: 556ms remaining: 50.4s
109: learn: 119.6230113 total: 559ms remaining: 50.3s
110: learn: 119.1282509 total: 563ms remaining: 50.1s
111: learn: 118.6547234 total: 566ms remaining: 50s
112: learn: 118.2100239 total: 569ms remaining: 49.8s
113: learn: 117.7157038 total: 573ms remaining: 49.7s
114: learn: 117.2750242 total: 576ms remaining: 49.5s
115: learn: 116.8349882 total: 579ms remaining: 49.4s
116: learn: 116.4148712 total: 583ms remaining: 49.2s
117: learn: 115.9723550 total: 586ms remaining: 49.1s
118: learn: 115.5730643 total: 590ms remaining: 49s
119: learn: 115.1294237 total: 593ms remaining: 48.8s
120: learn: 114.7822132 total: 597ms remaining: 48.7s
121: learn: 114.3791539 total: 600ms remaining: 48.6s
122: learn: 113.9284715 total: 603ms remaining: 48.4s
123: learn: 113.5561416 total: 607ms remaining: 48.3s
124: learn: 113.1583801 total: 610ms remaining: 48.2s
125: learn: 112.7996868 total: 613ms remaining: 48.1s
126: learn: 112.4230321 total: 617ms remaining: 47.9s
127: learn: 112.0868080 total: 620ms remaining: 47.8s
128: learn: 111.7142088 total: 624ms remaining: 47.7s
129: learn: 111.3952204 total: 627ms remaining: 47.6s
130: learn: 111.0851890 total: 630ms remaining: 47.5s
131: learn: 110.7444834 total: 634ms remaining: 47.4s
132: learn: 110.3947504 total: 637ms remaining: 47.3s
133: learn: 110.1127433 total: 640ms remaining: 47.1s
134: learn: 109.7357709 total: 644ms remaining: 47s
135: learn: 109.3790901 total: 647ms remaining: 46.9s
136: learn: 109.0396684 total: 650ms remaining: 46.8s
137: learn: 108.7556606 total: 654ms remaining: 46.7s
138: learn: 108.4616127 total: 658ms remaining: 46.7s
139: learn: 108.1965967 total: 661ms remaining: 46.6s
140: learn: 107.9207595 total: 665ms remaining: 46.5s
141: learn: 107.6290517 total: 669ms remaining: 46.4s
142: learn: 107.3655810 total: 672ms remaining: 46.3s
143: learn: 107.1103678 total: 676ms remaining: 46.2s
144: learn: 106.8259144 total: 679ms remaining: 46.2s
145: learn: 106.5373393 total: 683ms remaining: 46.1s
146: learn: 106.2409931 total: 687ms remaining: 46s
147: learn: 105.9769684 total: 690ms remaining: 46s

148: learn: 105.7359866 total: 694ms remaining: 45.9s
149: learn: 105.4898695 total: 698ms remaining: 45.8s
150: learn: 105.2847199 total: 701ms remaining: 45.7s
151: learn: 105.0446500 total: 705ms remaining: 45.7s
152: learn: 104.8052088 total: 708ms remaining: 45.6s
153: learn: 104.5377757 total: 712ms remaining: 45.5s
154: learn: 104.3289743 total: 715ms remaining: 45.4s
155: learn: 104.1214409 total: 719ms remaining: 45.3s
156: learn: 103.8653355 total: 722ms remaining: 45.3s
157: learn: 103.6540796 total: 726ms remaining: 45.2s
158: learn: 103.4531157 total: 729ms remaining: 45.1s
159: learn: 103.1531024 total: 733ms remaining: 45.1s
160: learn: 102.9656167 total: 736ms remaining: 45s
161: learn: 102.7397511 total: 740ms remaining: 44.9s
162: learn: 102.5263799 total: 743ms remaining: 44.9s
163: learn: 102.3529455 total: 747ms remaining: 44.8s
164: learn: 102.1816278 total: 750ms remaining: 44.7s
165: learn: 101.9992702 total: 753ms remaining: 44.6s
166: learn: 101.7891940 total: 757ms remaining: 44.6s
167: learn: 101.6035997 total: 761ms remaining: 44.5s
168: learn: 101.3984706 total: 764ms remaining: 44.4s
169: learn: 101.1767575 total: 767ms remaining: 44.4s
170: learn: 101.0153212 total: 771ms remaining: 44.3s
171: learn: 100.8464366 total: 774ms remaining: 44.2s
172: learn: 100.6144867 total: 778ms remaining: 44.2s
173: learn: 100.4462118 total: 781ms remaining: 44.1s
174: learn: 100.2824237 total: 785ms remaining: 44s
175: learn: 100.1360462 total: 788ms remaining: 44s
176: learn: 99.9982997 total: 791ms remaining: 43.9s
177: learn: 99.8659342 total: 795ms remaining: 43.8s
178: learn: 99.6960129 total: 798ms remaining: 43.8s
179: learn: 99.5154192 total: 802ms remaining: 43.7s
180: learn: 99.3487002 total: 805ms remaining: 43.7s
181: learn: 99.1859522 total: 808ms remaining: 43.6s
182: learn: 99.0205445 total: 812ms remaining: 43.5s
183: learn: 98.8771950 total: 816ms remaining: 43.5s
184: learn: 98.7244588 total: 819ms remaining: 43.4s
185: learn: 98.5764753 total: 822ms remaining: 43.4s
186: learn: 98.4308010 total: 826ms remaining: 43.3s
187: learn: 98.3075379 total: 829ms remaining: 43.3s
188: learn: 98.1780115 total: 833ms remaining: 43.2s
189: learn: 98.0166816 total: 836ms remaining: 43.2s
190: learn: 97.8745816 total: 839ms remaining: 43.1s
191: learn: 97.7096224 total: 843ms remaining: 43.1s
192: learn: 97.5369678 total: 846ms remaining: 43s
193: learn: 97.4224155 total: 849ms remaining: 42.9s
194: learn: 97.2962535 total: 853ms remaining: 42.9s
195: learn: 97.1717534 total: 857ms remaining: 42.8s
196: learn: 97.0442637 total: 860ms remaining: 42.8s
197: learn: 96.9349501 total: 864ms remaining: 42.8s
198: learn: 96.8131016 total: 867ms remaining: 42.7s
199: learn: 96.6923784 total: 871ms remaining: 42.7s
200: learn: 96.5312041 total: 874ms remaining: 42.6s
201: learn: 96.4192353 total: 878ms remaining: 42.6s
202: learn: 96.3131850 total: 881ms remaining: 42.5s
203: learn: 96.1987935 total: 885ms remaining: 42.5s
204: learn: 96.0966917 total: 888ms remaining: 42.4s
205: learn: 95.9992484 total: 892ms remaining: 42.4s
206: learn: 95.8958414 total: 895ms remaining: 42.3s
207: learn: 95.7790528 total: 898ms remaining: 42.3s
208: learn: 95.6910673 total: 902ms remaining: 42.2s
209: learn: 95.6293654 total: 905ms remaining: 42.2s
210: learn: 95.4890787 total: 908ms remaining: 42.1s
211: learn: 95.3486194 total: 912ms remaining: 42.1s
212: learn: 95.2497409 total: 915ms remaining: 42s
213: learn: 95.1684103 total: 918ms remaining: 42s
214: learn: 95.0086642 total: 922ms remaining: 41.9s
215: learn: 94.9339347 total: 925ms remaining: 41.9s
216: learn: 94.8205374 total: 928ms remaining: 41.9s
217: learn: 94.7130331 total: 932ms remaining: 41.8s
218: learn: 94.5721088 total: 935ms remaining: 41.8s
219: learn: 94.4940551 total: 938ms remaining: 41.7s
220: learn: 94.4331367 total: 942ms remaining: 41.7s
221: learn: 94.2393145 total: 945ms remaining: 41.6s

222: learn: 94.1242536 total: 949ms remaining: 41.6s
223: learn: 94.0424772 total: 952ms remaining: 41.5s
224: learn: 93.9235864 total: 955ms remaining: 41.5s
225: learn: 93.7923229 total: 959ms remaining: 41.5s
226: learn: 93.6798393 total: 962ms remaining: 41.4s
227: learn: 93.5807852 total: 965ms remaining: 41.4s
228: learn: 93.5006654 total: 969ms remaining: 41.4s
229: learn: 93.3889717 total: 973ms remaining: 41.3s
230: learn: 93.2958973 total: 976ms remaining: 41.3s
231: learn: 93.1754176 total: 980ms remaining: 41.2s
232: learn: 93.0961151 total: 983ms remaining: 41.2s
233: learn: 93.0247121 total: 986ms remaining: 41.2s
234: learn: 92.9119736 total: 990ms remaining: 41.1s
235: learn: 92.8310688 total: 993ms remaining: 41.1s
236: learn: 92.6952112 total: 998ms remaining: 41.1s
237: learn: 92.6098035 total: 1s remaining: 41.1s
238: learn: 92.5308292 total: 1.01s remaining: 41.1s
239: learn: 92.4592777 total: 1.01s remaining: 41.1s
240: learn: 92.3979232 total: 1.01s remaining: 41.1s
241: learn: 92.3045695 total: 1.02s remaining: 41.1s
242: learn: 92.2218022 total: 1.02s remaining: 41.1s
243: learn: 92.1458419 total: 1.03s remaining: 41.1s
244: learn: 92.0597681 total: 1.03s remaining: 41.1s
245: learn: 91.9619907 total: 1.04s remaining: 41.1s
246: learn: 91.8773510 total: 1.04s remaining: 41.1s
247: learn: 91.7646959 total: 1.04s remaining: 41.1s
248: learn: 91.6874748 total: 1.05s remaining: 41.1s
249: learn: 91.6252138 total: 1.05s remaining: 41.1s
250: learn: 91.4548095 total: 1.06s remaining: 41s
251: learn: 91.4072109 total: 1.06s remaining: 41s
252: learn: 91.3098125 total: 1.06s remaining: 41s
253: learn: 91.2379439 total: 1.07s remaining: 40.9s
254: learn: 91.1900436 total: 1.07s remaining: 40.9s
255: learn: 91.0833683 total: 1.07s remaining: 40.9s
256: learn: 91.0125284 total: 1.08s remaining: 40.8s
257: learn: 90.9671540 total: 1.08s remaining: 40.8s
258: learn: 90.8881589 total: 1.08s remaining: 40.7s
259: learn: 90.8200496 total: 1.09s remaining: 40.7s
260: learn: 90.7634419 total: 1.09s remaining: 40.7s
261: learn: 90.6257891 total: 1.09s remaining: 40.6s
262: learn: 90.5538835 total: 1.1s remaining: 40.6s
263: learn: 90.4881633 total: 1.1s remaining: 40.6s
264: learn: 90.4436114 total: 1.1s remaining: 40.5s
265: learn: 90.3410719 total: 1.11s remaining: 40.5s
266: learn: 90.2413395 total: 1.11s remaining: 40.5s
267: learn: 90.1762208 total: 1.11s remaining: 40.4s
268: learn: 90.0857213 total: 1.12s remaining: 40.4s
269: learn: 90.0183631 total: 1.12s remaining: 40.4s
270: learn: 89.9450156 total: 1.12s remaining: 40.3s
271: learn: 89.8761930 total: 1.13s remaining: 40.3s
272: learn: 89.8209491 total: 1.13s remaining: 40.3s
273: learn: 89.7304312 total: 1.13s remaining: 40.3s
274: learn: 89.6560647 total: 1.14s remaining: 40.2s
275: learn: 89.6113890 total: 1.14s remaining: 40.2s
276: learn: 89.5022506 total: 1.14s remaining: 40.2s
277: learn: 89.4552798 total: 1.15s remaining: 40.1s
278: learn: 89.4039240 total: 1.15s remaining: 40.1s
279: learn: 89.3654215 total: 1.15s remaining: 40.1s
280: learn: 89.2547698 total: 1.16s remaining: 40s
281: learn: 89.1876705 total: 1.16s remaining: 40s
282: learn: 89.1411446 total: 1.16s remaining: 40s
283: learn: 89.0600922 total: 1.17s remaining: 39.9s
284: learn: 88.9962471 total: 1.17s remaining: 39.9s
285: learn: 88.9354560 total: 1.17s remaining: 39.9s
286: learn: 88.8689117 total: 1.18s remaining: 39.8s
287: learn: 88.7656405 total: 1.18s remaining: 39.8s
288: learn: 88.6720685 total: 1.18s remaining: 39.8s
289: learn: 88.5820102 total: 1.19s remaining: 39.8s
290: learn: 88.5002657 total: 1.19s remaining: 39.7s
291: learn: 88.4534856 total: 1.19s remaining: 39.7s
292: learn: 88.3870485 total: 1.2s remaining: 39.7s
293: learn: 88.2919178 total: 1.2s remaining: 39.7s
294: learn: 88.2055359 total: 1.2s remaining: 39.6s
295: learn: 88.1153319 total: 1.21s remaining: 39.6s

296: learn: 88.0596162 total: 1.21s remaining: 39.6s
297: learn: 87.9834840 total: 1.22s remaining: 39.6s
298: learn: 87.9093307 total: 1.22s remaining: 39.5s
299: learn: 87.7785313 total: 1.22s remaining: 39.5s
300: learn: 87.6963121 total: 1.22s remaining: 39.5s
301: learn: 87.6245670 total: 1.23s remaining: 39.4s
302: learn: 87.5540399 total: 1.23s remaining: 39.4s
303: learn: 87.4912297 total: 1.23s remaining: 39.4s
304: learn: 87.4000046 total: 1.24s remaining: 39.4s
305: learn: 87.3607620 total: 1.24s remaining: 39.3s
306: learn: 87.2905335 total: 1.24s remaining: 39.3s
307: learn: 87.1905499 total: 1.25s remaining: 39.3s
308: learn: 87.1249895 total: 1.25s remaining: 39.3s
309: learn: 87.0667894 total: 1.25s remaining: 39.2s
310: learn: 86.9974165 total: 1.26s remaining: 39.2s
311: learn: 86.9386190 total: 1.26s remaining: 39.2s
312: learn: 86.8351122 total: 1.26s remaining: 39.2s
313: learn: 86.7723164 total: 1.27s remaining: 39.1s
314: learn: 86.7070436 total: 1.27s remaining: 39.1s
315: learn: 86.6282588 total: 1.27s remaining: 39.1s
316: learn: 86.5900875 total: 1.28s remaining: 39.1s
317: learn: 86.5397204 total: 1.28s remaining: 39s
318: learn: 86.5011511 total: 1.29s remaining: 39s
319: learn: 86.4642183 total: 1.29s remaining: 39s
320: learn: 86.3933970 total: 1.29s remaining: 39s
321: learn: 86.3129090 total: 1.3s remaining: 39s
322: learn: 86.2608634 total: 1.3s remaining: 38.9s
323: learn: 86.2097670 total: 1.3s remaining: 38.9s
324: learn: 86.1657555 total: 1.31s remaining: 38.9s
325: learn: 86.1207682 total: 1.31s remaining: 38.9s
326: learn: 86.0603364 total: 1.31s remaining: 38.9s
327: learn: 85.9964747 total: 1.32s remaining: 38.8s
328: learn: 85.9270397 total: 1.32s remaining: 38.8s
329: learn: 85.8734451 total: 1.32s remaining: 38.8s
330: learn: 85.8123975 total: 1.33s remaining: 38.8s
331: learn: 85.7138986 total: 1.33s remaining: 38.7s
332: learn: 85.6744123 total: 1.33s remaining: 38.7s
333: learn: 85.6300366 total: 1.34s remaining: 38.7s
334: learn: 85.5918530 total: 1.34s remaining: 38.7s
335: learn: 85.5511068 total: 1.34s remaining: 38.6s
336: learn: 85.5054108 total: 1.35s remaining: 38.6s
337: learn: 85.4718840 total: 1.35s remaining: 38.6s
338: learn: 85.4258019 total: 1.35s remaining: 38.6s
339: learn: 85.3741678 total: 1.36s remaining: 38.6s
340: learn: 85.3216980 total: 1.36s remaining: 38.5s
341: learn: 85.2681477 total: 1.36s remaining: 38.5s
342: learn: 85.2172556 total: 1.37s remaining: 38.5s
343: learn: 85.1472549 total: 1.37s remaining: 38.5s
344: learn: 85.0835398 total: 1.37s remaining: 38.4s
345: learn: 85.0261699 total: 1.38s remaining: 38.4s
346: learn: 84.9581093 total: 1.38s remaining: 38.4s
347: learn: 84.8901329 total: 1.38s remaining: 38.4s
348: learn: 84.8273789 total: 1.39s remaining: 38.4s
349: learn: 84.7819816 total: 1.39s remaining: 38.3s
350: learn: 84.7142646 total: 1.39s remaining: 38.3s
351: learn: 84.6753762 total: 1.4s remaining: 38.3s
352: learn: 84.6475931 total: 1.4s remaining: 38.3s
353: learn: 84.5810306 total: 1.4s remaining: 38.3s
354: learn: 84.5034996 total: 1.41s remaining: 38.2s
355: learn: 84.4198684 total: 1.41s remaining: 38.2s
356: learn: 84.3399187 total: 1.41s remaining: 38.2s
357: learn: 84.2887818 total: 1.42s remaining: 38.2s
358: learn: 84.2289779 total: 1.42s remaining: 38.2s
359: learn: 84.1328888 total: 1.42s remaining: 38.1s
360: learn: 84.0555056 total: 1.43s remaining: 38.1s
361: learn: 83.9573039 total: 1.43s remaining: 38.1s
362: learn: 83.9201966 total: 1.43s remaining: 38.1s
363: learn: 83.8648033 total: 1.44s remaining: 38.1s
364: learn: 83.8310598 total: 1.44s remaining: 38s
365: learn: 83.7996807 total: 1.44s remaining: 38s
366: learn: 83.7278277 total: 1.45s remaining: 38s
367: learn: 83.6633806 total: 1.45s remaining: 38s
368: learn: 83.5460475 total: 1.46s remaining: 38s
369: learn: 83.5035148 total: 1.46s remaining: 38s

370: learn: 83.4358359 total: 1.46s remaining: 38s
371: learn: 83.3782848 total: 1.47s remaining: 37.9s
372: learn: 83.3590670 total: 1.47s remaining: 37.9s
373: learn: 83.2706037 total: 1.47s remaining: 37.9s
374: learn: 83.2238623 total: 1.48s remaining: 37.9s
375: learn: 83.1978758 total: 1.48s remaining: 37.9s
376: learn: 83.1595865 total: 1.48s remaining: 37.9s
377: learn: 83.0621961 total: 1.49s remaining: 37.8s
378: learn: 83.0245701 total: 1.49s remaining: 37.8s
379: learn: 82.9697354 total: 1.49s remaining: 37.8s
380: learn: 82.9420083 total: 1.5s remaining: 37.8s
381: learn: 82.9043315 total: 1.5s remaining: 37.7s
382: learn: 82.8472908 total: 1.5s remaining: 37.7s
383: learn: 82.7996704 total: 1.5s remaining: 37.7s
384: learn: 82.7280307 total: 1.51s remaining: 37.7s
385: learn: 82.6566321 total: 1.51s remaining: 37.7s
386: learn: 82.5918246 total: 1.51s remaining: 37.6s
387: learn: 82.5081432 total: 1.52s remaining: 37.6s
388: learn: 82.4106232 total: 1.52s remaining: 37.6s
389: learn: 82.3089668 total: 1.52s remaining: 37.6s
390: learn: 82.2688259 total: 1.53s remaining: 37.6s
391: learn: 82.2223175 total: 1.53s remaining: 37.6s
392: learn: 82.1697775 total: 1.53s remaining: 37.5s
393: learn: 82.0967909 total: 1.54s remaining: 37.5s
394: learn: 82.0371786 total: 1.54s remaining: 37.5s
395: learn: 81.9833331 total: 1.54s remaining: 37.5s
396: learn: 81.9353705 total: 1.55s remaining: 37.5s
397: learn: 81.8698890 total: 1.55s remaining: 37.4s
398: learn: 81.7971695 total: 1.55s remaining: 37.4s
399: learn: 81.7403540 total: 1.56s remaining: 37.4s
400: learn: 81.6659616 total: 1.56s remaining: 37.4s
401: learn: 81.6192385 total: 1.56s remaining: 37.4s
402: learn: 81.5478466 total: 1.57s remaining: 37.4s
403: learn: 81.4999897 total: 1.57s remaining: 37.4s
404: learn: 81.4080197 total: 1.58s remaining: 37.4s
405: learn: 81.3513453 total: 1.58s remaining: 37.4s
406: learn: 81.3109637 total: 1.59s remaining: 37.4s
407: learn: 81.2646283 total: 1.59s remaining: 37.4s
408: learn: 81.1890531 total: 1.6s remaining: 37.4s
409: learn: 81.0836167 total: 1.6s remaining: 37.4s
410: learn: 81.0451475 total: 1.6s remaining: 37.4s
411: learn: 80.9925131 total: 1.61s remaining: 37.4s
412: learn: 80.9331449 total: 1.61s remaining: 37.4s
413: learn: 80.8684905 total: 1.62s remaining: 37.4s
414: learn: 80.8119928 total: 1.62s remaining: 37.4s
415: learn: 80.7297270 total: 1.63s remaining: 37.5s
416: learn: 80.6676917 total: 1.63s remaining: 37.4s
417: learn: 80.5952165 total: 1.63s remaining: 37.4s
418: learn: 80.5459829 total: 1.64s remaining: 37.4s
419: learn: 80.4740902 total: 1.64s remaining: 37.4s
420: learn: 80.4194451 total: 1.64s remaining: 37.4s
421: learn: 80.3348717 total: 1.65s remaining: 37.4s
422: learn: 80.2925810 total: 1.65s remaining: 37.4s
423: learn: 80.2387296 total: 1.65s remaining: 37.4s
424: learn: 80.1641923 total: 1.66s remaining: 37.3s
425: learn: 80.1083988 total: 1.66s remaining: 37.3s
426: learn: 80.0302840 total: 1.66s remaining: 37.3s
427: learn: 79.9289819 total: 1.67s remaining: 37.3s
428: learn: 79.8852230 total: 1.67s remaining: 37.3s
429: learn: 79.8438764 total: 1.67s remaining: 37.3s
430: learn: 79.8216678 total: 1.68s remaining: 37.2s
431: learn: 79.7809379 total: 1.68s remaining: 37.2s
432: learn: 79.7337265 total: 1.68s remaining: 37.2s
433: learn: 79.6871342 total: 1.69s remaining: 37.2s
434: learn: 79.6329616 total: 1.69s remaining: 37.2s
435: learn: 79.5478203 total: 1.69s remaining: 37.2s
436: learn: 79.5117015 total: 1.7s remaining: 37.1s
437: learn: 79.4563232 total: 1.7s remaining: 37.1s
438: learn: 79.3989289 total: 1.7s remaining: 37.1s
439: learn: 79.3569169 total: 1.71s remaining: 37.1s
440: learn: 79.3190178 total: 1.71s remaining: 37.1s
441: learn: 79.2541533 total: 1.71s remaining: 37.1s
442: learn: 79.1828580 total: 1.72s remaining: 37.1s
443: learn: 79.1175220 total: 1.72s remaining: 37.1s

444: learn: 79.0658540 total: 1.73s remaining: 37.1s
445: learn: 79.0222912 total: 1.73s remaining: 37s
446: learn: 78.9778331 total: 1.73s remaining: 37s
447: learn: 78.9285836 total: 1.74s remaining: 37s
448: learn: 78.8788567 total: 1.74s remaining: 37s
449: learn: 78.8383248 total: 1.74s remaining: 37s
450: learn: 78.7813855 total: 1.75s remaining: 37s
451: learn: 78.7341110 total: 1.75s remaining: 37s
452: learn: 78.6585962 total: 1.75s remaining: 37s
453: learn: 78.6292432 total: 1.76s remaining: 37s
454: learn: 78.5882714 total: 1.76s remaining: 36.9s
455: learn: 78.4830312 total: 1.76s remaining: 36.9s
456: learn: 78.4389799 total: 1.77s remaining: 36.9s
457: learn: 78.4028624 total: 1.77s remaining: 36.9s
458: learn: 78.3534848 total: 1.78s remaining: 36.9s
459: learn: 78.2995717 total: 1.78s remaining: 36.9s
460: learn: 78.2473313 total: 1.78s remaining: 36.9s
461: learn: 78.1902787 total: 1.79s remaining: 36.9s
462: learn: 78.1555701 total: 1.79s remaining: 36.9s
463: learn: 78.1016041 total: 1.79s remaining: 36.9s
464: learn: 78.0532125 total: 1.8s remaining: 36.9s
465: learn: 78.0223093 total: 1.8s remaining: 36.9s
466: learn: 77.9330240 total: 1.8s remaining: 36.9s
467: learn: 77.9074277 total: 1.81s remaining: 36.9s
468: learn: 77.8488348 total: 1.81s remaining: 36.9s
469: learn: 77.7929257 total: 1.82s remaining: 36.8s
470: learn: 77.7553483 total: 1.82s remaining: 36.8s
471: learn: 77.7276365 total: 1.82s remaining: 36.8s
472: learn: 77.6822219 total: 1.83s remaining: 36.8s
473: learn: 77.6321350 total: 1.83s remaining: 36.8s
474: learn: 77.6020913 total: 1.83s remaining: 36.8s
475: learn: 77.5553631 total: 1.84s remaining: 36.8s
476: learn: 77.5258437 total: 1.84s remaining: 36.8s
477: learn: 77.5103743 total: 1.84s remaining: 36.8s
478: learn: 77.4715889 total: 1.85s remaining: 36.8s
479: learn: 77.4071976 total: 1.85s remaining: 36.8s
480: learn: 77.3494657 total: 1.86s remaining: 36.7s
481: learn: 77.3100751 total: 1.86s remaining: 36.7s
482: learn: 77.2473497 total: 1.86s remaining: 36.7s
483: learn: 77.1796521 total: 1.87s remaining: 36.7s
484: learn: 77.1023432 total: 1.87s remaining: 36.7s
485: learn: 77.0378574 total: 1.87s remaining: 36.7s
486: learn: 77.0107464 total: 1.88s remaining: 36.7s
487: learn: 76.9568781 total: 1.88s remaining: 36.7s
488: learn: 76.9043268 total: 1.89s remaining: 36.7s
489: learn: 76.8532564 total: 1.89s remaining: 36.7s
490: learn: 76.7741141 total: 1.89s remaining: 36.6s
491: learn: 76.7574457 total: 1.9s remaining: 36.7s
492: learn: 76.7050007 total: 1.9s remaining: 36.6s
493: learn: 76.6702126 total: 1.9s remaining: 36.6s
494: learn: 76.6163031 total: 1.91s remaining: 36.6s
495: learn: 76.5602796 total: 1.91s remaining: 36.6s
496: learn: 76.5147965 total: 1.91s remaining: 36.6s
497: learn: 76.4337362 total: 1.92s remaining: 36.6s
498: learn: 76.4026914 total: 1.92s remaining: 36.6s
499: learn: 76.3491068 total: 1.93s remaining: 36.6s
500: learn: 76.2955365 total: 1.93s remaining: 36.6s
501: learn: 76.2342290 total: 1.93s remaining: 36.6s
502: learn: 76.1935723 total: 1.94s remaining: 36.6s
503: learn: 76.1367871 total: 1.94s remaining: 36.6s
504: learn: 76.0760963 total: 1.94s remaining: 36.6s
505: learn: 76.0559702 total: 1.95s remaining: 36.5s
506: learn: 76.0048337 total: 1.95s remaining: 36.5s
507: learn: 75.9729731 total: 1.96s remaining: 36.5s
508: learn: 75.9272214 total: 1.96s remaining: 36.5s
509: learn: 75.8864841 total: 1.96s remaining: 36.5s
510: learn: 75.8408014 total: 1.97s remaining: 36.5s
511: learn: 75.7950707 total: 1.97s remaining: 36.5s
512: learn: 75.7766764 total: 1.97s remaining: 36.5s
513: learn: 75.7485266 total: 1.98s remaining: 36.5s
514: learn: 75.7008584 total: 1.98s remaining: 36.5s
515: learn: 75.6672482 total: 1.98s remaining: 36.5s
516: learn: 75.6159747 total: 1.99s remaining: 36.5s
517: learn: 75.5756061 total: 1.99s remaining: 36.5s

518:	learn: 75.5328767	total: 2s	remaining: 36.5s
519:	learn: 75.4831970	total: 2s	remaining: 36.5s
520:	learn: 75.4450958	total: 2s	remaining: 36.4s
521:	learn: 75.3950269	total: 2s	remaining: 36.4s
522:	learn: 75.3055916	total: 2.01s	remaining: 36.4s
523:	learn: 75.2600077	total: 2.01s	remaining: 36.4s
524:	learn: 75.2148512	total: 2.02s	remaining: 36.4s
525:	learn: 75.1770865	total: 2.02s	remaining: 36.4s
526:	learn: 75.1333536	total: 2.02s	remaining: 36.4s
527:	learn: 75.0800083	total: 2.03s	remaining: 36.4s
528:	learn: 75.0197433	total: 2.03s	remaining: 36.4s
529:	learn: 74.9723092	total: 2.03s	remaining: 36.3s
530:	learn: 74.9537444	total: 2.04s	remaining: 36.3s
531:	learn: 74.9152906	total: 2.04s	remaining: 36.3s
532:	learn: 74.8759379	total: 2.04s	remaining: 36.3s
533:	learn: 74.8269729	total: 2.05s	remaining: 36.3s
534:	learn: 74.7763741	total: 2.05s	remaining: 36.3s
535:	learn: 74.7145183	total: 2.06s	remaining: 36.3s
536:	learn: 74.6412431	total: 2.06s	remaining: 36.3s
537:	learn: 74.6048337	total: 2.06s	remaining: 36.3s
538:	learn: 74.5577279	total: 2.07s	remaining: 36.3s
539:	learn: 74.5348565	total: 2.07s	remaining: 36.3s
540:	learn: 74.4884852	total: 2.07s	remaining: 36.2s
541:	learn: 74.4519383	total: 2.08s	remaining: 36.2s
542:	learn: 74.4082150	total: 2.08s	remaining: 36.2s
543:	learn: 74.3494499	total: 2.08s	remaining: 36.2s
544:	learn: 74.3007910	total: 2.09s	remaining: 36.2s
545:	learn: 74.2651845	total: 2.09s	remaining: 36.2s
546:	learn: 74.2313318	total: 2.09s	remaining: 36.2s
547:	learn: 74.1750773	total: 2.1s	remaining: 36.2s
548:	learn: 74.1016949	total: 2.1s	remaining: 36.2s
549:	learn: 74.0652687	total: 2.1s	remaining: 36.2s
550:	learn: 74.0219906	total: 2.11s	remaining: 36.2s
551:	learn: 73.9384321	total: 2.11s	remaining: 36.2s
552:	learn: 73.9005582	total: 2.12s	remaining: 36.2s
553:	learn: 73.8670910	total: 2.12s	remaining: 36.1s
554:	learn: 73.8209429	total: 2.12s	remaining: 36.2s
555:	learn: 73.8032417	total: 2.13s	remaining: 36.1s
556:	learn: 73.7603762	total: 2.13s	remaining: 36.1s
557:	learn: 73.6984901	total: 2.13s	remaining: 36.1s
558:	learn: 73.6397123	total: 2.14s	remaining: 36.1s
559:	learn: 73.6022835	total: 2.14s	remaining: 36.1s
560:	learn: 73.5286917	total: 2.15s	remaining: 36.1s
561:	learn: 73.4486007	total: 2.15s	remaining: 36.1s
562:	learn: 73.4130441	total: 2.15s	remaining: 36.1s
563:	learn: 73.3543870	total: 2.16s	remaining: 36.1s
564:	learn: 73.3140197	total: 2.16s	remaining: 36.1s
565:	learn: 73.2736286	total: 2.16s	remaining: 36s
566:	learn: 73.2422358	total: 2.17s	remaining: 36.1s
567:	learn: 73.2168364	total: 2.17s	remaining: 36s
568:	learn: 73.1754323	total: 2.17s	remaining: 36s
569:	learn: 73.1277297	total: 2.18s	remaining: 36s
570:	learn: 73.0908060	total: 2.18s	remaining: 36s
571:	learn: 73.0620676	total: 2.18s	remaining: 36s
572:	learn: 73.0334324	total: 2.19s	remaining: 36s
573:	learn: 73.0011536	total: 2.19s	remaining: 36s
574:	learn: 72.9562805	total: 2.19s	remaining: 36s
575:	learn: 72.9174261	total: 2.2s	remaining: 36s
576:	learn: 72.8815217	total: 2.2s	remaining: 36s
577:	learn: 72.8354773	total: 2.2s	remaining: 35.9s
578:	learn: 72.7962875	total: 2.21s	remaining: 35.9s
579:	learn: 72.7462166	total: 2.21s	remaining: 35.9s
580:	learn: 72.6772583	total: 2.22s	remaining: 35.9s
581:	learn: 72.6444263	total: 2.22s	remaining: 35.9s
582:	learn: 72.6037254	total: 2.22s	remaining: 35.9s
583:	learn: 72.5239254	total: 2.23s	remaining: 35.9s
584:	learn: 72.4730738	total: 2.23s	remaining: 35.9s
585:	learn: 72.4474697	total: 2.23s	remaining: 35.9s
586:	learn: 72.4082686	total: 2.24s	remaining: 35.9s
587:	learn: 72.3856211	total: 2.24s	remaining: 35.9s
588:	learn: 72.3411172	total: 2.24s	remaining: 35.9s
589:	learn: 72.2899359	total: 2.25s	remaining: 35.9s
590:	learn: 72.2514877	total: 2.25s	remaining: 35.8s
591:	learn: 72.2246121	total: 2.25s	remaining: 35.8s

592: learn: 72.1513038 total: 2.26s remaining: 35.8s
593: learn: 72.1104691 total: 2.26s remaining: 35.8s
594: learn: 72.0515654 total: 2.27s remaining: 35.8s
595: learn: 72.0184867 total: 2.27s remaining: 35.8s
596: learn: 71.9669401 total: 2.27s remaining: 35.8s
597: learn: 71.9248141 total: 2.28s remaining: 35.8s
598: learn: 71.8528033 total: 2.28s remaining: 35.8s
599: learn: 71.8078226 total: 2.28s remaining: 35.8s
600: learn: 71.7672637 total: 2.29s remaining: 35.8s
601: learn: 71.7233374 total: 2.29s remaining: 35.8s
602: learn: 71.6726993 total: 2.29s remaining: 35.8s
603: learn: 71.6527225 total: 2.3s remaining: 35.8s
604: learn: 71.6192564 total: 2.31s remaining: 35.8s
605: learn: 71.5651516 total: 2.31s remaining: 35.8s
606: learn: 71.5510812 total: 2.31s remaining: 35.8s
607: learn: 71.5138708 total: 2.31s remaining: 35.8s
608: learn: 71.4771073 total: 2.32s remaining: 35.8s
609: learn: 71.4444158 total: 2.32s remaining: 35.8s
610: learn: 71.4116175 total: 2.33s remaining: 35.8s
611: learn: 71.3551375 total: 2.33s remaining: 35.8s
612: learn: 71.3228884 total: 2.33s remaining: 35.8s
613: learn: 71.2861810 total: 2.34s remaining: 35.7s
614: learn: 71.2417610 total: 2.34s remaining: 35.7s
615: learn: 71.1887019 total: 2.34s remaining: 35.7s
616: learn: 71.1551309 total: 2.35s remaining: 35.7s
617: learn: 71.1122914 total: 2.35s remaining: 35.7s
618: learn: 71.0972755 total: 2.36s remaining: 35.7s
619: learn: 71.0826416 total: 2.36s remaining: 35.7s
620: learn: 71.0475839 total: 2.37s remaining: 35.7s
621: learn: 71.0204022 total: 2.37s remaining: 35.7s
622: learn: 70.9909050 total: 2.37s remaining: 35.7s
623: learn: 70.9502255 total: 2.38s remaining: 35.7s
624: learn: 70.8873922 total: 2.38s remaining: 35.7s
625: learn: 70.8583526 total: 2.38s remaining: 35.7s
626: learn: 70.8137384 total: 2.39s remaining: 35.7s
627: learn: 70.7536561 total: 2.39s remaining: 35.7s
628: learn: 70.7116161 total: 2.4s remaining: 35.7s
629: learn: 70.6773734 total: 2.4s remaining: 35.7s
630: learn: 70.6457485 total: 2.4s remaining: 35.7s
631: learn: 70.6089065 total: 2.4s remaining: 35.7s
632: learn: 70.5631027 total: 2.41s remaining: 35.7s
633: learn: 70.5254043 total: 2.41s remaining: 35.6s
634: learn: 70.4962913 total: 2.42s remaining: 35.6s
635: learn: 70.4672680 total: 2.42s remaining: 35.6s
636: learn: 70.4062767 total: 2.42s remaining: 35.6s
637: learn: 70.3731170 total: 2.43s remaining: 35.7s
638: learn: 70.3440876 total: 2.43s remaining: 35.6s
639: learn: 70.3002885 total: 2.44s remaining: 35.6s
640: learn: 70.2427396 total: 2.44s remaining: 35.6s
641: learn: 70.1881574 total: 2.45s remaining: 35.7s
642: learn: 70.1387037 total: 2.45s remaining: 35.6s
643: learn: 70.1089027 total: 2.45s remaining: 35.6s
644: learn: 70.0704837 total: 2.46s remaining: 35.6s
645: learn: 70.0340606 total: 2.46s remaining: 35.6s
646: learn: 70.0042798 total: 2.46s remaining: 35.6s
647: learn: 69.9606515 total: 2.47s remaining: 35.6s
648: learn: 69.9084197 total: 2.47s remaining: 35.6s
649: learn: 69.8819153 total: 2.48s remaining: 35.6s
650: learn: 69.8476028 total: 2.48s remaining: 35.6s
651: learn: 69.8193703 total: 2.48s remaining: 35.6s
652: learn: 69.7796952 total: 2.49s remaining: 35.6s
653: learn: 69.7188741 total: 2.49s remaining: 35.6s
654: learn: 69.6855171 total: 2.49s remaining: 35.6s
655: learn: 69.6475677 total: 2.5s remaining: 35.6s
656: learn: 69.6328997 total: 2.5s remaining: 35.6s
657: learn: 69.5978405 total: 2.5s remaining: 35.6s
658: learn: 69.5736755 total: 2.51s remaining: 35.6s
659: learn: 69.5463943 total: 2.51s remaining: 35.6s
660: learn: 69.5095653 total: 2.52s remaining: 35.6s
661: learn: 69.4448028 total: 2.52s remaining: 35.6s
662: learn: 69.4107904 total: 2.52s remaining: 35.5s
663: learn: 69.3958510 total: 2.53s remaining: 35.5s
664: learn: 69.3690171 total: 2.53s remaining: 35.5s
665: learn: 69.3322163 total: 2.54s remaining: 35.5s

666: learn: 69.2708088 total: 2.54s remaining: 35.5s
667: learn: 69.2290419 total: 2.54s remaining: 35.5s
668: learn: 69.1938138 total: 2.55s remaining: 35.5s
669: learn: 69.1559625 total: 2.55s remaining: 35.5s
670: learn: 69.1217213 total: 2.55s remaining: 35.5s
671: learn: 69.0969231 total: 2.56s remaining: 35.5s
672: learn: 69.0622079 total: 2.56s remaining: 35.5s
673: learn: 69.0298740 total: 2.56s remaining: 35.5s
674: learn: 68.9827887 total: 2.57s remaining: 35.5s
675: learn: 68.9403702 total: 2.57s remaining: 35.5s
676: learn: 68.9024900 total: 2.58s remaining: 35.5s
677: learn: 68.8698476 total: 2.58s remaining: 35.5s
678: learn: 68.8327979 total: 2.58s remaining: 35.5s
679: learn: 68.7774546 total: 2.59s remaining: 35.5s
680: learn: 68.7201603 total: 2.59s remaining: 35.5s
681: learn: 68.6956030 total: 2.6s remaining: 35.5s
682: learn: 68.6715420 total: 2.6s remaining: 35.5s
683: learn: 68.6360346 total: 2.6s remaining: 35.4s
684: learn: 68.6032556 total: 2.61s remaining: 35.4s
685: learn: 68.5818825 total: 2.61s remaining: 35.4s
686: learn: 68.5511787 total: 2.61s remaining: 35.4s
687: learn: 68.4850165 total: 2.62s remaining: 35.4s
688: learn: 68.4511666 total: 2.62s remaining: 35.4s
689: learn: 68.3946533 total: 2.63s remaining: 35.4s
690: learn: 68.3723077 total: 2.63s remaining: 35.4s
691: learn: 68.3386639 total: 2.63s remaining: 35.4s
692: learn: 68.2867635 total: 2.64s remaining: 35.4s
693: learn: 68.2539411 total: 2.64s remaining: 35.4s
694: learn: 68.2189990 total: 2.64s remaining: 35.4s
695: learn: 68.1638328 total: 2.65s remaining: 35.4s
696: learn: 68.1344071 total: 2.65s remaining: 35.4s
697: learn: 68.1065230 total: 2.65s remaining: 35.4s
698: learn: 68.0917678 total: 2.66s remaining: 35.4s
699: learn: 68.0619405 total: 2.66s remaining: 35.4s
700: learn: 68.0265168 total: 2.67s remaining: 35.4s
701: learn: 67.9843951 total: 2.67s remaining: 35.4s
702: learn: 67.9540160 total: 2.67s remaining: 35.4s
703: learn: 67.9081399 total: 2.68s remaining: 35.3s
704: learn: 67.8739752 total: 2.68s remaining: 35.4s
705: learn: 67.8412931 total: 2.68s remaining: 35.3s
706: learn: 67.8134028 total: 2.69s remaining: 35.3s
707: learn: 67.7857318 total: 2.69s remaining: 35.3s
708: learn: 67.7586917 total: 2.69s remaining: 35.3s
709: learn: 67.7205324 total: 2.7s remaining: 35.3s
710: learn: 67.6956565 total: 2.7s remaining: 35.3s
711: learn: 67.6643286 total: 2.71s remaining: 35.3s
712: learn: 67.6389465 total: 2.71s remaining: 35.3s
713: learn: 67.6092670 total: 2.71s remaining: 35.3s
714: learn: 67.5580562 total: 2.72s remaining: 35.3s
715: learn: 67.5342730 total: 2.72s remaining: 35.3s
716: learn: 67.5081306 total: 2.73s remaining: 35.3s
717: learn: 67.4852644 total: 2.73s remaining: 35.3s
718: learn: 67.4588474 total: 2.73s remaining: 35.3s
719: learn: 67.4231183 total: 2.74s remaining: 35.3s
720: learn: 67.3998098 total: 2.74s remaining: 35.3s
721: learn: 67.3588665 total: 2.74s remaining: 35.3s
722: learn: 67.3106947 total: 2.75s remaining: 35.3s
723: learn: 67.2768128 total: 2.75s remaining: 35.2s
724: learn: 67.2486525 total: 2.75s remaining: 35.2s
725: learn: 67.2187692 total: 2.76s remaining: 35.2s
726: learn: 67.1880625 total: 2.76s remaining: 35.2s
727: learn: 67.1560618 total: 2.77s remaining: 35.2s
728: learn: 67.1318496 total: 2.77s remaining: 35.2s
729: learn: 67.1140967 total: 2.77s remaining: 35.2s
730: learn: 67.0912669 total: 2.77s remaining: 35.2s
731: learn: 67.0555033 total: 2.78s remaining: 35.2s
732: learn: 67.0159384 total: 2.78s remaining: 35.2s
733: learn: 66.9703163 total: 2.79s remaining: 35.2s
734: learn: 66.9499036 total: 2.79s remaining: 35.2s
735: learn: 66.8953466 total: 2.79s remaining: 35.2s
736: learn: 66.8756245 total: 2.8s remaining: 35.2s
737: learn: 66.8276863 total: 2.8s remaining: 35.2s
738: learn: 66.7978749 total: 2.81s remaining: 35.2s
739: learn: 66.7768939 total: 2.81s remaining: 35.1s

740:	learn: 66.7494871	total: 2.81s	remaining: 35.1s
741:	learn: 66.7274917	total: 2.81s	remaining: 35.1s
742:	learn: 66.6988163	total: 2.82s	remaining: 35.1s
743:	learn: 66.6620775	total: 2.82s	remaining: 35.1s
744:	learn: 66.6402685	total: 2.83s	remaining: 35.1s
745:	learn: 66.6164130	total: 2.83s	remaining: 35.1s
746:	learn: 66.5862619	total: 2.83s	remaining: 35.1s
747:	learn: 66.5586808	total: 2.84s	remaining: 35.1s
748:	learn: 66.5391671	total: 2.84s	remaining: 35.1s
749:	learn: 66.5190187	total: 2.84s	remaining: 35.1s
750:	learn: 66.4927382	total: 2.85s	remaining: 35.1s
751:	learn: 66.4559080	total: 2.85s	remaining: 35.1s
752:	learn: 66.4382120	total: 2.85s	remaining: 35.1s
753:	learn: 66.4089932	total: 2.86s	remaining: 35.1s
754:	learn: 66.3741427	total: 2.86s	remaining: 35.1s
755:	learn: 66.3426409	total: 2.87s	remaining: 35.1s
756:	learn: 66.3175736	total: 2.87s	remaining: 35s
757:	learn: 66.2914660	total: 2.87s	remaining: 35s
758:	learn: 66.2632486	total: 2.88s	remaining: 35s
759:	learn: 66.2422797	total: 2.88s	remaining: 35s
760:	learn: 66.2161562	total: 2.88s	remaining: 35s
761:	learn: 66.1915709	total: 2.89s	remaining: 35s
762:	learn: 66.1561430	total: 2.89s	remaining: 35s
763:	learn: 66.1205202	total: 2.9s	remaining: 35s
764:	learn: 66.0797567	total: 2.9s	remaining: 35s
765:	learn: 66.0476582	total: 2.9s	remaining: 35s
766:	learn: 66.0018394	total: 2.91s	remaining: 35s
767:	learn: 65.9778609	total: 2.91s	remaining: 35s
768:	learn: 65.9484276	total: 2.91s	remaining: 35s
769:	learn: 65.9299888	total: 2.92s	remaining: 35s
770:	learn: 65.8853661	total: 2.92s	remaining: 35s
771:	learn: 65.8639633	total: 2.92s	remaining: 35s
772:	learn: 65.8336392	total: 2.93s	remaining: 35s
773:	learn: 65.8034921	total: 2.93s	remaining: 35s
774:	learn: 65.7863879	total: 2.94s	remaining: 35s
775:	learn: 65.7524434	total: 2.94s	remaining: 34.9s
776:	learn: 65.7165866	total: 2.94s	remaining: 34.9s
777:	learn: 65.6759437	total: 2.95s	remaining: 34.9s
778:	learn: 65.6440536	total: 2.95s	remaining: 34.9s
779:	learn: 65.6007268	total: 2.95s	remaining: 34.9s
780:	learn: 65.5728477	total: 2.96s	remaining: 34.9s
781:	learn: 65.5553785	total: 2.96s	remaining: 34.9s
782:	learn: 65.5052449	total: 2.96s	remaining: 34.9s
783:	learn: 65.4802527	total: 2.97s	remaining: 34.9s
784:	learn: 65.4535004	total: 2.97s	remaining: 34.9s
785:	learn: 65.4241117	total: 2.98s	remaining: 34.9s
786:	learn: 65.3999975	total: 2.98s	remaining: 34.9s
787:	learn: 65.3817826	total: 2.98s	remaining: 34.9s
788:	learn: 65.3606445	total: 2.99s	remaining: 34.9s
789:	learn: 65.3162802	total: 2.99s	remaining: 34.9s
790:	learn: 65.2825175	total: 2.99s	remaining: 34.9s
791:	learn: 65.2622024	total: 3s	remaining: 34.8s
792:	learn: 65.2357346	total: 3s	remaining: 34.8s
793:	learn: 65.1957054	total: 3s	remaining: 34.8s
794:	learn: 65.1686282	total: 3.01s	remaining: 34.8s
795:	learn: 65.1357102	total: 3.01s	remaining: 34.8s
796:	learn: 65.1059349	total: 3.01s	remaining: 34.8s
797:	learn: 65.0913776	total: 3.02s	remaining: 34.8s
798:	learn: 65.0701129	total: 3.02s	remaining: 34.8s
799:	learn: 65.0588496	total: 3.02s	remaining: 34.8s
800:	learn: 65.0241443	total: 3.03s	remaining: 34.8s
801:	learn: 64.9964727	total: 3.03s	remaining: 34.8s
802:	learn: 64.9704175	total: 3.03s	remaining: 34.8s
803:	learn: 64.9593665	total: 3.04s	remaining: 34.8s
804:	learn: 64.9293162	total: 3.04s	remaining: 34.7s
805:	learn: 64.9073858	total: 3.04s	remaining: 34.7s
806:	learn: 64.8873332	total: 3.05s	remaining: 34.7s
807:	learn: 64.8587570	total: 3.05s	remaining: 34.7s
808:	learn: 64.8332688	total: 3.06s	remaining: 34.7s
809:	learn: 64.8130679	total: 3.06s	remaining: 34.7s
810:	learn: 64.7907041	total: 3.06s	remaining: 34.7s
811:	learn: 64.7711667	total: 3.07s	remaining: 34.7s
812:	learn: 64.7456641	total: 3.07s	remaining: 34.7s
813:	learn: 64.7242565	total: 3.07s	remaining: 34.7s

814: learn: 64.6924919 total: 3.08s remaining: 34.7s
815: learn: 64.6754544 total: 3.08s remaining: 34.7s
816: learn: 64.6538989 total: 3.08s remaining: 34.7s
817: learn: 64.6264188 total: 3.09s remaining: 34.7s
818: learn: 64.6055207 total: 3.09s remaining: 34.7s
819: learn: 64.5781572 total: 3.1s remaining: 34.7s
820: learn: 64.5506627 total: 3.1s remaining: 34.6s
821: learn: 64.5180574 total: 3.1s remaining: 34.6s
822: learn: 64.4768199 total: 3.1s remaining: 34.6s
823: learn: 64.4415765 total: 3.11s remaining: 34.6s
824: learn: 64.4192481 total: 3.11s remaining: 34.6s
825: learn: 64.3787800 total: 3.12s remaining: 34.6s
826: learn: 64.3363458 total: 3.12s remaining: 34.6s
827: learn: 64.3166921 total: 3.12s remaining: 34.6s
828: learn: 64.3023592 total: 3.13s remaining: 34.6s
829: learn: 64.2718455 total: 3.13s remaining: 34.6s
830: learn: 64.2664160 total: 3.13s remaining: 34.6s
831: learn: 64.2372870 total: 3.14s remaining: 34.6s
832: learn: 64.2103559 total: 3.14s remaining: 34.5s
833: learn: 64.2025942 total: 3.14s remaining: 34.5s
834: learn: 64.1728607 total: 3.15s remaining: 34.5s
835: learn: 64.1683912 total: 3.15s remaining: 34.5s
836: learn: 64.1446648 total: 3.15s remaining: 34.5s
837: learn: 64.1059365 total: 3.16s remaining: 34.5s
838: learn: 64.0776656 total: 3.16s remaining: 34.5s
839: learn: 64.0466090 total: 3.16s remaining: 34.5s
840: learn: 64.0239288 total: 3.17s remaining: 34.5s
841: learn: 64.0084789 total: 3.17s remaining: 34.5s
842: learn: 63.9771340 total: 3.17s remaining: 34.5s
843: learn: 63.9560392 total: 3.18s remaining: 34.5s
844: learn: 63.9263105 total: 3.18s remaining: 34.5s
845: learn: 63.8984005 total: 3.18s remaining: 34.4s
846: learn: 63.8737050 total: 3.19s remaining: 34.4s
847: learn: 63.8461725 total: 3.19s remaining: 34.4s
848: learn: 63.8239880 total: 3.19s remaining: 34.4s
849: learn: 63.7996229 total: 3.2s remaining: 34.4s
850: learn: 63.7799210 total: 3.2s remaining: 34.4s
851: learn: 63.7455957 total: 3.2s remaining: 34.4s
852: learn: 63.7168340 total: 3.21s remaining: 34.4s
853: learn: 63.6785858 total: 3.21s remaining: 34.4s
854: learn: 63.6515415 total: 3.21s remaining: 34.4s
855: learn: 63.6392243 total: 3.22s remaining: 34.4s
856: learn: 63.6149811 total: 3.22s remaining: 34.4s
857: learn: 63.5914976 total: 3.22s remaining: 34.3s
858: learn: 63.5477465 total: 3.23s remaining: 34.3s
859: learn: 63.5314012 total: 3.23s remaining: 34.3s
860: learn: 63.4888684 total: 3.23s remaining: 34.3s
861: learn: 63.4565514 total: 3.24s remaining: 34.3s
862: learn: 63.4335260 total: 3.24s remaining: 34.3s
863: learn: 63.4139660 total: 3.24s remaining: 34.3s
864: learn: 63.3917896 total: 3.25s remaining: 34.3s
865: learn: 63.3648462 total: 3.25s remaining: 34.3s
866: learn: 63.3445826 total: 3.25s remaining: 34.3s
867: learn: 63.3257671 total: 3.26s remaining: 34.3s
868: learn: 63.3058375 total: 3.26s remaining: 34.3s
869: learn: 63.2597977 total: 3.26s remaining: 34.2s
870: learn: 63.2355691 total: 3.27s remaining: 34.2s
871: learn: 63.2173825 total: 3.27s remaining: 34.2s
872: learn: 63.1961267 total: 3.27s remaining: 34.2s
873: learn: 63.1790207 total: 3.28s remaining: 34.2s
874: learn: 63.1622550 total: 3.28s remaining: 34.2s
875: learn: 63.1460921 total: 3.28s remaining: 34.2s
876: learn: 63.1101793 total: 3.29s remaining: 34.2s
877: learn: 63.0686496 total: 3.29s remaining: 34.2s
878: learn: 63.0435531 total: 3.29s remaining: 34.2s
879: learn: 63.0233414 total: 3.3s remaining: 34.2s
880: learn: 62.9939927 total: 3.3s remaining: 34.2s
881: learn: 62.9461459 total: 3.3s remaining: 34.1s
882: learn: 62.9203637 total: 3.31s remaining: 34.1s
883: learn: 62.9175246 total: 3.31s remaining: 34.1s
884: learn: 62.9002940 total: 3.31s remaining: 34.1s
885: learn: 62.8750093 total: 3.32s remaining: 34.1s
886: learn: 62.8542552 total: 3.32s remaining: 34.1s
887: learn: 62.8142595 total: 3.32s remaining: 34.1s

888: learn: 62.7922096 total: 3.33s remaining: 34.1s
889: learn: 62.7609771 total: 3.33s remaining: 34.1s
890: learn: 62.7324497 total: 3.33s remaining: 34.1s
891: learn: 62.7242066 total: 3.33s remaining: 34.1s
892: learn: 62.7100793 total: 3.34s remaining: 34s
893: learn: 62.6867307 total: 3.34s remaining: 34s
894: learn: 62.6577879 total: 3.35s remaining: 34s
895: learn: 62.6483152 total: 3.35s remaining: 34s
896: learn: 62.6100469 total: 3.35s remaining: 34s
897: learn: 62.5839830 total: 3.35s remaining: 34s
898: learn: 62.5761085 total: 3.36s remaining: 34s
899: learn: 62.5404842 total: 3.36s remaining: 34s
900: learn: 62.5247460 total: 3.37s remaining: 34s
901: learn: 62.4878629 total: 3.37s remaining: 34s
902: learn: 62.4799514 total: 3.37s remaining: 34s
903: learn: 62.4636672 total: 3.38s remaining: 34s
904: learn: 62.4394824 total: 3.38s remaining: 34s
905: learn: 62.4091306 total: 3.38s remaining: 34s
906: learn: 62.3797917 total: 3.38s remaining: 33.9s
907: learn: 62.3508627 total: 3.39s remaining: 33.9s
908: learn: 62.3354941 total: 3.39s remaining: 33.9s
909: learn: 62.3177950 total: 3.4s remaining: 33.9s
910: learn: 62.2931652 total: 3.4s remaining: 33.9s
911: learn: 62.2693466 total: 3.4s remaining: 33.9s
912: learn: 62.2547694 total: 3.4s remaining: 33.9s
913: learn: 62.2356366 total: 3.41s remaining: 33.9s
914: learn: 62.2132778 total: 3.41s remaining: 33.9s
915: learn: 62.1895603 total: 3.42s remaining: 33.9s
916: learn: 62.1457073 total: 3.42s remaining: 33.9s
917: learn: 62.1227756 total: 3.42s remaining: 33.9s
918: learn: 62.0976534 total: 3.42s remaining: 33.8s
919: learn: 62.0942827 total: 3.43s remaining: 33.8s
920: learn: 62.0756687 total: 3.43s remaining: 33.8s
921: learn: 62.0727842 total: 3.43s remaining: 33.8s
922: learn: 62.0616216 total: 3.44s remaining: 33.8s
923: learn: 62.0354149 total: 3.44s remaining: 33.8s
924: learn: 62.0096237 total: 3.44s remaining: 33.8s
925: learn: 61.9999997 total: 3.45s remaining: 33.8s
926: learn: 61.9784911 total: 3.45s remaining: 33.8s
927: learn: 61.9757486 total: 3.45s remaining: 33.8s
928: learn: 61.9687667 total: 3.46s remaining: 33.8s
929: learn: 61.9437734 total: 3.46s remaining: 33.8s
930: learn: 61.9132604 total: 3.46s remaining: 33.8s
931: learn: 61.8866327 total: 3.47s remaining: 33.7s
932: learn: 61.8667701 total: 3.47s remaining: 33.7s
933: learn: 61.8503796 total: 3.47s remaining: 33.7s
934: learn: 61.8372250 total: 3.48s remaining: 33.7s
935: learn: 61.8081222 total: 3.48s remaining: 33.7s
936: learn: 61.7802027 total: 3.48s remaining: 33.7s
937: learn: 61.7639114 total: 3.49s remaining: 33.7s
938: learn: 61.7571950 total: 3.49s remaining: 33.7s
939: learn: 61.7421792 total: 3.49s remaining: 33.7s
940: learn: 61.7356573 total: 3.5s remaining: 33.7s
941: learn: 61.7128475 total: 3.5s remaining: 33.7s
942: learn: 61.6904376 total: 3.5s remaining: 33.7s
943: learn: 61.6747259 total: 3.51s remaining: 33.6s
944: learn: 61.6598272 total: 3.51s remaining: 33.6s
945: learn: 61.6373997 total: 3.51s remaining: 33.6s
946: learn: 61.6047744 total: 3.52s remaining: 33.6s
947: learn: 61.5852459 total: 3.52s remaining: 33.6s
948: learn: 61.5619654 total: 3.52s remaining: 33.6s
949: learn: 61.5405713 total: 3.53s remaining: 33.6s
950: learn: 61.5099337 total: 3.53s remaining: 33.6s
951: learn: 61.4817473 total: 3.53s remaining: 33.6s
952: learn: 61.4426375 total: 3.54s remaining: 33.6s
953: learn: 61.4116281 total: 3.54s remaining: 33.6s
954: learn: 61.3917473 total: 3.54s remaining: 33.6s
955: learn: 61.3682940 total: 3.55s remaining: 33.6s
956: learn: 61.3267699 total: 3.55s remaining: 33.6s
957: learn: 61.2986449 total: 3.56s remaining: 33.6s
958: learn: 61.2808571 total: 3.56s remaining: 33.5s
959: learn: 61.2649977 total: 3.56s remaining: 33.5s
960: learn: 61.2607365 total: 3.56s remaining: 33.5s
961: learn: 61.2531715 total: 3.57s remaining: 33.5s

962: learn: 61.2377865 total: 3.57s remaining: 33.5s
963: learn: 61.2105411 total: 3.57s remaining: 33.5s
964: learn: 61.1719953 total: 3.58s remaining: 33.5s
965: learn: 61.1524127 total: 3.58s remaining: 33.5s
966: learn: 61.1353613 total: 3.58s remaining: 33.5s
967: learn: 61.1116681 total: 3.59s remaining: 33.5s
968: learn: 61.0777870 total: 3.59s remaining: 33.5s
969: learn: 61.0718609 total: 3.59s remaining: 33.5s
970: learn: 61.0455759 total: 3.6s remaining: 33.5s
971: learn: 61.0252053 total: 3.6s remaining: 33.4s
972: learn: 61.0065539 total: 3.6s remaining: 33.4s
973: learn: 60.9774504 total: 3.61s remaining: 33.4s
974: learn: 60.9393308 total: 3.61s remaining: 33.4s
975: learn: 60.9185899 total: 3.61s remaining: 33.4s
976: learn: 60.8922456 total: 3.62s remaining: 33.4s
977: learn: 60.8712082 total: 3.62s remaining: 33.4s
978: learn: 60.8450964 total: 3.62s remaining: 33.4s
979: learn: 60.8229648 total: 3.63s remaining: 33.4s
980: learn: 60.7903338 total: 3.63s remaining: 33.4s
981: learn: 60.7613378 total: 3.63s remaining: 33.4s
982: learn: 60.7463304 total: 3.64s remaining: 33.4s
983: learn: 60.7192761 total: 3.64s remaining: 33.4s
984: learn: 60.6922882 total: 3.64s remaining: 33.3s
985: learn: 60.6523802 total: 3.65s remaining: 33.3s
986: learn: 60.6268642 total: 3.65s remaining: 33.3s
987: learn: 60.5956416 total: 3.65s remaining: 33.3s
988: learn: 60.5727224 total: 3.66s remaining: 33.3s
989: learn: 60.5418943 total: 3.66s remaining: 33.3s
990: learn: 60.5076594 total: 3.66s remaining: 33.3s
991: learn: 60.4844259 total: 3.67s remaining: 33.3s
992: learn: 60.4674271 total: 3.67s remaining: 33.3s
993: learn: 60.4490768 total: 3.67s remaining: 33.3s
994: learn: 60.4292335 total: 3.68s remaining: 33.3s
995: learn: 60.4152250 total: 3.68s remaining: 33.3s
996: learn: 60.3982268 total: 3.68s remaining: 33.3s
997: learn: 60.3802949 total: 3.69s remaining: 33.3s
998: learn: 60.3744713 total: 3.69s remaining: 33.2s
999: learn: 60.3536913 total: 3.69s remaining: 33.2s
1000: learn: 60.3327824 total: 3.7s remaining: 33.2s
1001: learn: 60.3167203 total: 3.7s remaining: 33.2s
1002: learn: 60.3044581 total: 3.7s remaining: 33.2s
1003: learn: 60.2775761 total: 3.71s remaining: 33.2s
1004: learn: 60.2413633 total: 3.71s remaining: 33.2s
1005: learn: 60.2229207 total: 3.71s remaining: 33.2s
1006: learn: 60.2133241 total: 3.72s remaining: 33.2s
1007: learn: 60.2001987 total: 3.72s remaining: 33.2s
1008: learn: 60.1646996 total: 3.72s remaining: 33.2s
1009: learn: 60.1484248 total: 3.73s remaining: 33.2s
1010: learn: 60.1429081 total: 3.73s remaining: 33.2s
1011: learn: 60.1226716 total: 3.73s remaining: 33.2s
1012: learn: 60.1041684 total: 3.74s remaining: 33.2s
1013: learn: 60.0789037 total: 3.74s remaining: 33.1s
1014: learn: 60.0530402 total: 3.74s remaining: 33.1s
1015: learn: 60.0476847 total: 3.75s remaining: 33.1s
1016: learn: 60.0280094 total: 3.75s remaining: 33.1s
1017: learn: 60.0163863 total: 3.75s remaining: 33.1s
1018: learn: 59.9957546 total: 3.76s remaining: 33.1s
1019: learn: 59.9737145 total: 3.76s remaining: 33.1s
1020: learn: 59.9535826 total: 3.76s remaining: 33.1s
1021: learn: 59.9389642 total: 3.77s remaining: 33.1s
1022: learn: 59.9338072 total: 3.77s remaining: 33.1s
1023: learn: 59.9037550 total: 3.77s remaining: 33.1s
1024: learn: 59.8778147 total: 3.78s remaining: 33.1s
1025: learn: 59.8540192 total: 3.78s remaining: 33.1s
1026: learn: 59.8386879 total: 3.78s remaining: 33.1s
1027: learn: 59.8177749 total: 3.79s remaining: 33.1s
1028: learn: 59.8034658 total: 3.79s remaining: 33.1s
1029: learn: 59.8001591 total: 3.79s remaining: 33s
1030: learn: 59.7656396 total: 3.8s remaining: 33s
1031: learn: 59.7485146 total: 3.8s remaining: 33s
1032: learn: 59.7241611 total: 3.8s remaining: 33s
1033: learn: 59.7012181 total: 3.81s remaining: 33s
1034: learn: 59.6805009 total: 3.81s remaining: 33s
1035: learn: 59.6764125 total: 3.81s remaining: 33s

1036: learn: 59.6479774 total: 3.82s remaining: 33s
1037: learn: 59.6294777 total: 3.82s remaining: 33s
1038: learn: 59.6025838 total: 3.82s remaining: 33s
1039: learn: 59.5880841 total: 3.83s remaining: 33s
1040: learn: 59.5662402 total: 3.83s remaining: 33s
1041: learn: 59.5388737 total: 3.83s remaining: 33s
1042: learn: 59.5365735 total: 3.84s remaining: 33s
1043: learn: 59.5236152 total: 3.84s remaining: 32.9s
1044: learn: 59.5208641 total: 3.84s remaining: 32.9s
1045: learn: 59.5001007 total: 3.85s remaining: 32.9s
1046: learn: 59.4763109 total: 3.85s remaining: 32.9s
1047: learn: 59.4697826 total: 3.85s remaining: 32.9s
1048: learn: 59.4583213 total: 3.86s remaining: 32.9s
1049: learn: 59.4441264 total: 3.86s remaining: 32.9s
1050: learn: 59.4226984 total: 3.86s remaining: 32.9s
1051: learn: 59.4054859 total: 3.87s remaining: 32.9s
1052: learn: 59.3941353 total: 3.87s remaining: 32.9s
1053: learn: 59.3681834 total: 3.87s remaining: 32.9s
1054: learn: 59.3360512 total: 3.88s remaining: 32.9s
1055: learn: 59.3130105 total: 3.88s remaining: 32.9s
1056: learn: 59.2915377 total: 3.88s remaining: 32.9s
1057: learn: 59.2606194 total: 3.89s remaining: 32.9s
1058: learn: 59.2325432 total: 3.89s remaining: 32.8s
1059: learn: 59.2137578 total: 3.89s remaining: 32.8s
1060: learn: 59.1897485 total: 3.9s remaining: 32.8s
1061: learn: 59.1736241 total: 3.9s remaining: 32.8s
1062: learn: 59.1673124 total: 3.9s remaining: 32.8s
1063: learn: 59.1536298 total: 3.91s remaining: 32.8s
1064: learn: 59.1236991 total: 3.91s remaining: 32.8s
1065: learn: 59.0969302 total: 3.91s remaining: 32.8s
1066: learn: 59.0773367 total: 3.92s remaining: 32.8s
1067: learn: 59.0645867 total: 3.92s remaining: 32.8s
1068: learn: 59.0394749 total: 3.92s remaining: 32.8s
1069: learn: 59.0165863 total: 3.93s remaining: 32.8s
1070: learn: 59.0124010 total: 3.93s remaining: 32.8s
1071: learn: 58.9962275 total: 3.93s remaining: 32.8s
1072: learn: 58.9718901 total: 3.94s remaining: 32.8s
1073: learn: 58.9482086 total: 3.94s remaining: 32.7s
1074: learn: 58.9350164 total: 3.94s remaining: 32.7s
1075: learn: 58.9081747 total: 3.95s remaining: 32.7s
1076: learn: 58.8883877 total: 3.95s remaining: 32.7s
1077: learn: 58.8557696 total: 3.95s remaining: 32.7s
1078: learn: 58.8379592 total: 3.96s remaining: 32.7s
1079: learn: 58.8219294 total: 3.96s remaining: 32.7s
1080: learn: 58.7924697 total: 3.96s remaining: 32.7s
1081: learn: 58.7791064 total: 3.97s remaining: 32.7s
1082: learn: 58.7525782 total: 3.97s remaining: 32.7s
1083: learn: 58.7294505 total: 3.97s remaining: 32.7s
1084: learn: 58.7149108 total: 3.98s remaining: 32.7s
1085: learn: 58.6932316 total: 3.98s remaining: 32.7s
1086: learn: 58.6853362 total: 3.98s remaining: 32.7s
1087: learn: 58.6708117 total: 3.99s remaining: 32.7s
1088: learn: 58.6576552 total: 3.99s remaining: 32.6s
1089: learn: 58.6344753 total: 3.99s remaining: 32.6s
1090: learn: 58.6235793 total: 4s remaining: 32.6s
1091: learn: 58.6107186 total: 4s remaining: 32.6s
1092: learn: 58.5980202 total: 4s remaining: 32.6s
1093: learn: 58.5737583 total: 4.01s remaining: 32.6s
1094: learn: 58.5504991 total: 4.01s remaining: 32.6s
1095: learn: 58.5408320 total: 4.01s remaining: 32.6s
1096: learn: 58.5260851 total: 4.02s remaining: 32.6s
1097: learn: 58.5182281 total: 4.02s remaining: 32.6s
1098: learn: 58.5012215 total: 4.02s remaining: 32.6s
1099: learn: 58.4790906 total: 4.03s remaining: 32.6s
1100: learn: 58.4486433 total: 4.03s remaining: 32.6s
1101: learn: 58.4372332 total: 4.03s remaining: 32.6s
1102: learn: 58.4212987 total: 4.04s remaining: 32.6s
1103: learn: 58.3987367 total: 4.04s remaining: 32.6s
1104: learn: 58.3879527 total: 4.04s remaining: 32.5s
1105: learn: 58.3656170 total: 4.05s remaining: 32.5s
1106: learn: 58.3436819 total: 4.05s remaining: 32.5s
1107: learn: 58.3312333 total: 4.05s remaining: 32.5s
1108: learn: 58.3172223 total: 4.06s remaining: 32.5s
1109: learn: 58.2990700 total: 4.06s remaining: 32.5s

1110: learn: 58.2729278 total: 4.06s remaining: 32.5s
1111: learn: 58.2506685 total: 4.07s remaining: 32.5s
1112: learn: 58.2331820 total: 4.07s remaining: 32.5s
1113: learn: 58.2118174 total: 4.07s remaining: 32.5s
1114: learn: 58.1912980 total: 4.08s remaining: 32.5s
1115: learn: 58.1701744 total: 4.08s remaining: 32.5s
1116: learn: 58.1558203 total: 4.08s remaining: 32.5s
1117: learn: 58.1330129 total: 4.09s remaining: 32.5s
1118: learn: 58.1138091 total: 4.09s remaining: 32.5s
1119: learn: 58.0955206 total: 4.09s remaining: 32.5s
1120: learn: 58.0917369 total: 4.1s remaining: 32.4s
1121: learn: 58.0858348 total: 4.1s remaining: 32.4s
1122: learn: 58.0721532 total: 4.1s remaining: 32.4s
1123: learn: 58.0432033 total: 4.11s remaining: 32.4s
1124: learn: 58.0269186 total: 4.11s remaining: 32.4s
1125: learn: 58.0142960 total: 4.11s remaining: 32.4s
1126: learn: 57.9896702 total: 4.12s remaining: 32.4s
1127: learn: 57.9673626 total: 4.12s remaining: 32.4s
1128: learn: 57.9481654 total: 4.12s remaining: 32.4s
1129: learn: 57.9293587 total: 4.13s remaining: 32.4s
1130: learn: 57.9233485 total: 4.13s remaining: 32.4s
1131: learn: 57.9114417 total: 4.13s remaining: 32.4s
1132: learn: 57.8883627 total: 4.13s remaining: 32.4s
1133: learn: 57.8671556 total: 4.14s remaining: 32.4s
1134: learn: 57.8505053 total: 4.14s remaining: 32.4s
1135: learn: 57.8406797 total: 4.14s remaining: 32.3s
1136: learn: 57.8348876 total: 4.15s remaining: 32.3s
1137: learn: 57.8128169 total: 4.15s remaining: 32.3s
1138: learn: 57.7945027 total: 4.16s remaining: 32.3s
1139: learn: 57.7815725 total: 4.16s remaining: 32.3s
1140: learn: 57.7597736 total: 4.16s remaining: 32.3s
1141: learn: 57.7513194 total: 4.17s remaining: 32.3s
1142: learn: 57.7325980 total: 4.17s remaining: 32.3s
1143: learn: 57.7196247 total: 4.17s remaining: 32.3s
1144: learn: 57.7071556 total: 4.17s remaining: 32.3s
1145: learn: 57.6958551 total: 4.18s remaining: 32.3s
1146: learn: 57.6825738 total: 4.18s remaining: 32.3s
1147: learn: 57.6594961 total: 4.18s remaining: 32.3s
1148: learn: 57.6367720 total: 4.19s remaining: 32.3s
1149: learn: 57.6215597 total: 4.19s remaining: 32.3s
1150: learn: 57.6177911 total: 4.2s remaining: 32.3s
1151: learn: 57.5920519 total: 4.2s remaining: 32.3s
1152: learn: 57.5683604 total: 4.2s remaining: 32.2s
1153: learn: 57.5509590 total: 4.21s remaining: 32.2s
1154: learn: 57.5355624 total: 4.21s remaining: 32.2s
1155: learn: 57.5266805 total: 4.21s remaining: 32.2s
1156: learn: 57.5075039 total: 4.21s remaining: 32.2s
1157: learn: 57.4893339 total: 4.22s remaining: 32.2s
1158: learn: 57.4840662 total: 4.22s remaining: 32.2s
1159: learn: 57.4723222 total: 4.22s remaining: 32.2s
1160: learn: 57.4589973 total: 4.23s remaining: 32.2s
1161: learn: 57.4425381 total: 4.23s remaining: 32.2s
1162: learn: 57.4305864 total: 4.23s remaining: 32.2s
1163: learn: 57.4059353 total: 4.24s remaining: 32.2s
1164: learn: 57.3900088 total: 4.24s remaining: 32.2s
1165: learn: 57.3783705 total: 4.24s remaining: 32.2s
1166: learn: 57.3660351 total: 4.25s remaining: 32.2s
1167: learn: 57.3613589 total: 4.25s remaining: 32.1s
1168: learn: 57.3392607 total: 4.25s remaining: 32.1s
1169: learn: 57.3232859 total: 4.26s remaining: 32.1s
1170: learn: 57.2983180 total: 4.26s remaining: 32.1s
1171: learn: 57.2769977 total: 4.26s remaining: 32.1s
1172: learn: 57.2604232 total: 4.27s remaining: 32.1s
1173: learn: 57.2522999 total: 4.27s remaining: 32.1s
1174: learn: 57.2407165 total: 4.27s remaining: 32.1s
1175: learn: 57.2201611 total: 4.28s remaining: 32.1s
1176: learn: 57.2116827 total: 4.28s remaining: 32.1s
1177: learn: 57.1913326 total: 4.28s remaining: 32.1s
1178: learn: 57.1821802 total: 4.29s remaining: 32.1s
1179: learn: 57.1787865 total: 4.29s remaining: 32.1s
1180: learn: 57.1685700 total: 4.29s remaining: 32.1s
1181: learn: 57.1475575 total: 4.3s remaining: 32.1s
1182: learn: 57.1363101 total: 4.3s remaining: 32.1s
1183: learn: 57.1250432 total: 4.3s remaining: 32s

1184: learn: 57.1041544 total: 4.31s remaining: 32s
1185: learn: 57.0982653 total: 4.31s remaining: 32s
1186: learn: 57.0898924 total: 4.31s remaining: 32s
1187: learn: 57.0661354 total: 4.32s remaining: 32s
1188: learn: 57.0466784 total: 4.32s remaining: 32s
1189: learn: 57.0321960 total: 4.32s remaining: 32s
1190: learn: 57.0113382 total: 4.33s remaining: 32s
1191: learn: 57.0062688 total: 4.33s remaining: 32s
1192: learn: 56.9882119 total: 4.33s remaining: 32s
1193: learn: 56.9720527 total: 4.34s remaining: 32s
1194: learn: 56.9548536 total: 4.34s remaining: 32s
1195: learn: 56.9316904 total: 4.34s remaining: 32s
1196: learn: 56.9049786 total: 4.35s remaining: 32s
1197: learn: 56.8915595 total: 4.35s remaining: 32s
1198: learn: 56.8771376 total: 4.35s remaining: 32s
1199: learn: 56.8625421 total: 4.36s remaining: 32s
1200: learn: 56.8438108 total: 4.36s remaining: 31.9s
1201: learn: 56.8192376 total: 4.36s remaining: 31.9s
1202: learn: 56.7935780 total: 4.37s remaining: 31.9s
1203: learn: 56.7894324 total: 4.37s remaining: 31.9s
1204: learn: 56.7764407 total: 4.37s remaining: 31.9s
1205: learn: 56.7661342 total: 4.38s remaining: 31.9s
1206: learn: 56.7472003 total: 4.38s remaining: 31.9s
1207: learn: 56.7305048 total: 4.38s remaining: 31.9s
1208: learn: 56.7130977 total: 4.39s remaining: 31.9s
1209: learn: 56.6900813 total: 4.39s remaining: 31.9s
1210: learn: 56.6652889 total: 4.39s remaining: 31.9s
1211: learn: 56.6429624 total: 4.4s remaining: 31.9s
1212: learn: 56.6392475 total: 4.4s remaining: 31.9s
1213: learn: 56.6361204 total: 4.4s remaining: 31.9s
1214: learn: 56.6118305 total: 4.41s remaining: 31.9s
1215: learn: 56.5931214 total: 4.41s remaining: 31.9s
1216: learn: 56.5856961 total: 4.41s remaining: 31.9s
1217: learn: 56.5610314 total: 4.42s remaining: 31.8s
1218: learn: 56.5507992 total: 4.42s remaining: 31.8s
1219: learn: 56.5354921 total: 4.42s remaining: 31.8s
1220: learn: 56.5179028 total: 4.43s remaining: 31.8s
1221: learn: 56.4958501 total: 4.43s remaining: 31.8s
1222: learn: 56.4918164 total: 4.43s remaining: 31.8s
1223: learn: 56.4747362 total: 4.44s remaining: 31.8s
1224: learn: 56.4619672 total: 4.44s remaining: 31.8s
1225: learn: 56.4413682 total: 4.44s remaining: 31.8s
1226: learn: 56.4226695 total: 4.45s remaining: 31.8s
1227: learn: 56.4064718 total: 4.45s remaining: 31.8s
1228: learn: 56.3887257 total: 4.45s remaining: 31.8s
1229: learn: 56.3763425 total: 4.46s remaining: 31.8s
1230: learn: 56.3624186 total: 4.46s remaining: 31.8s
1231: learn: 56.3557076 total: 4.46s remaining: 31.8s
1232: learn: 56.3392626 total: 4.47s remaining: 31.8s
1233: learn: 56.3311750 total: 4.47s remaining: 31.8s
1234: learn: 56.3168214 total: 4.47s remaining: 31.7s
1235: learn: 56.3001737 total: 4.48s remaining: 31.7s
1236: learn: 56.2817887 total: 4.48s remaining: 31.7s
1237: learn: 56.2786151 total: 4.48s remaining: 31.7s
1238: learn: 56.2643062 total: 4.49s remaining: 31.7s
1239: learn: 56.2413041 total: 4.49s remaining: 31.7s
1240: learn: 56.2377572 total: 4.49s remaining: 31.7s
1241: learn: 56.2193802 total: 4.5s remaining: 31.7s
1242: learn: 56.2055548 total: 4.5s remaining: 31.7s
1243: learn: 56.1956250 total: 4.5s remaining: 31.7s
1244: learn: 56.1756161 total: 4.5s remaining: 31.7s
1245: learn: 56.1626985 total: 4.51s remaining: 31.7s
1246: learn: 56.1575689 total: 4.51s remaining: 31.7s
1247: learn: 56.1334569 total: 4.52s remaining: 31.7s
1248: learn: 56.1105584 total: 4.52s remaining: 31.7s
1249: learn: 56.0883038 total: 4.52s remaining: 31.7s
1250: learn: 56.0709013 total: 4.53s remaining: 31.7s
1251: learn: 56.0584598 total: 4.53s remaining: 31.6s
1252: learn: 56.0546445 total: 4.53s remaining: 31.6s
1253: learn: 56.0286131 total: 4.54s remaining: 31.6s
1254: learn: 56.0112932 total: 4.54s remaining: 31.6s
1255: learn: 55.9912859 total: 4.54s remaining: 31.6s
1256: learn: 55.9695660 total: 4.54s remaining: 31.6s
1257: learn: 55.9544412 total: 4.55s remaining: 31.6s

1258:	learn: 55.9384542	total: 4.55s	remaining: 31.6s
1259:	learn: 55.9150193	total: 4.55s	remaining: 31.6s
1260:	learn: 55.8995939	total: 4.56s	remaining: 31.6s
1261:	learn: 55.8844060	total: 4.56s	remaining: 31.6s
1262:	learn: 55.8610954	total: 4.57s	remaining: 31.6s
1263:	learn: 55.8534781	total: 4.57s	remaining: 31.6s
1264:	learn: 55.8440736	total: 4.57s	remaining: 31.6s
1265:	learn: 55.8306247	total: 4.58s	remaining: 31.6s
1266:	learn: 55.8171624	total: 4.58s	remaining: 31.6s
1267:	learn: 55.8076759	total: 4.58s	remaining: 31.6s
1268:	learn: 55.7923272	total: 4.58s	remaining: 31.5s
1269:	learn: 55.7776149	total: 4.59s	remaining: 31.5s
1270:	learn: 55.7612988	total: 4.59s	remaining: 31.5s
1271:	learn: 55.7486753	total: 4.59s	remaining: 31.5s
1272:	learn: 55.7353637	total: 4.6s	remaining: 31.5s
1273:	learn: 55.7132132	total: 4.6s	remaining: 31.5s
1274:	learn: 55.6923180	total: 4.61s	remaining: 31.5s
1275:	learn: 55.6759058	total: 4.61s	remaining: 31.5s
1276:	learn: 55.6616218	total: 4.61s	remaining: 31.5s
1277:	learn: 55.6500531	total: 4.62s	remaining: 31.5s
1278:	learn: 55.6389181	total: 4.62s	remaining: 31.5s
1279:	learn: 55.6194532	total: 4.62s	remaining: 31.5s
1280:	learn: 55.6050389	total: 4.63s	remaining: 31.5s
1281:	learn: 55.5844311	total: 4.63s	remaining: 31.5s
1282:	learn: 55.5750822	total: 4.63s	remaining: 31.5s
1283:	learn: 55.5558509	total: 4.63s	remaining: 31.5s
1284:	learn: 55.5362246	total: 4.64s	remaining: 31.5s
1285:	learn: 55.5314183	total: 4.64s	remaining: 31.5s
1286:	learn: 55.5097391	total: 4.64s	remaining: 31.5s
1287:	learn: 55.4996584	total: 4.65s	remaining: 31.4s
1288:	learn: 55.4804222	total: 4.65s	remaining: 31.4s
1289:	learn: 55.4769181	total: 4.66s	remaining: 31.4s
1290:	learn: 55.4731399	total: 4.66s	remaining: 31.4s
1291:	learn: 55.4594966	total: 4.66s	remaining: 31.4s
1292:	learn: 55.4385578	total: 4.67s	remaining: 31.4s
1293:	learn: 55.4335214	total: 4.67s	remaining: 31.4s
1294:	learn: 55.4186166	total: 4.67s	remaining: 31.4s
1295:	learn: 55.4054653	total: 4.67s	remaining: 31.4s
1296:	learn: 55.3908545	total: 4.68s	remaining: 31.4s
1297:	learn: 55.3873474	total: 4.68s	remaining: 31.4s
1298:	learn: 55.3751630	total: 4.68s	remaining: 31.4s
1299:	learn: 55.3522334	total: 4.69s	remaining: 31.4s
1300:	learn: 55.3412798	total: 4.69s	remaining: 31.4s
1301:	learn: 55.3306587	total: 4.7s	remaining: 31.4s
1302:	learn: 55.3161984	total: 4.7s	remaining: 31.4s
1303:	learn: 55.3127600	total: 4.7s	remaining: 31.4s
1304:	learn: 55.2997587	total: 4.71s	remaining: 31.3s
1305:	learn: 55.2729642	total: 4.71s	remaining: 31.3s
1306:	learn: 55.2631896	total: 4.71s	remaining: 31.3s
1307:	learn: 55.2582267	total: 4.71s	remaining: 31.3s
1308:	learn: 55.2501767	total: 4.72s	remaining: 31.3s
1309:	learn: 55.2472011	total: 4.72s	remaining: 31.3s
1310:	learn: 55.2329976	total: 4.72s	remaining: 31.3s
1311:	learn: 55.2220709	total: 4.73s	remaining: 31.3s
1312:	learn: 55.2193969	total: 4.73s	remaining: 31.3s
1313:	learn: 55.2061620	total: 4.73s	remaining: 31.3s
1314:	learn: 55.1836783	total: 4.74s	remaining: 31.3s
1315:	learn: 55.1630622	total: 4.74s	remaining: 31.3s
1316:	learn: 55.1550099	total: 4.74s	remaining: 31.3s
1317:	learn: 55.1327094	total: 4.75s	remaining: 31.3s
1318:	learn: 55.1203462	total: 4.75s	remaining: 31.3s
1319:	learn: 55.1020093	total: 4.75s	remaining: 31.3s
1320:	learn: 55.0948919	total: 4.76s	remaining: 31.3s
1321:	learn: 55.0743220	total: 4.76s	remaining: 31.3s
1322:	learn: 55.0633524	total: 4.76s	remaining: 31.2s
1323:	learn: 55.0490027	total: 4.77s	remaining: 31.2s
1324:	learn: 55.0389111	total: 4.77s	remaining: 31.2s
1325:	learn: 55.0230179	total: 4.77s	remaining: 31.2s
1326:	learn: 55.0141932	total: 4.78s	remaining: 31.2s
1327:	learn: 55.0028230	total: 4.78s	remaining: 31.2s
1328:	learn: 54.9830901	total: 4.78s	remaining: 31.2s
1329:	learn: 54.9738593	total: 4.79s	remaining: 31.2s
1330:	learn: 54.9638693	total: 4.79s	remaining: 31.2s
1331:	learn: 54.9422474	total: 4.79s	remaining: 31.2s

1332: learn: 54.9390267 total: 4.8s remaining: 31.2s
1333: learn: 54.9255775 total: 4.8s remaining: 31.2s
1334: learn: 54.9095238 total: 4.8s remaining: 31.2s
1335: learn: 54.8940574 total: 4.81s remaining: 31.2s
1336: learn: 54.8908755 total: 4.81s remaining: 31.2s
1337: learn: 54.8771072 total: 4.81s remaining: 31.2s
1338: learn: 54.8723217 total: 4.82s remaining: 31.2s
1339: learn: 54.8617749 total: 4.82s remaining: 31.2s
1340: learn: 54.8611648 total: 4.82s remaining: 31.2s
1341: learn: 54.8569037 total: 4.83s remaining: 31.1s
1342: learn: 54.8342882 total: 4.83s remaining: 31.1s
1343: learn: 54.8177905 total: 4.83s remaining: 31.1s
1344: learn: 54.8025811 total: 4.84s remaining: 31.1s
1345: learn: 54.8019899 total: 4.84s remaining: 31.1s
1346: learn: 54.7865532 total: 4.84s remaining: 31.1s
1347: learn: 54.7758780 total: 4.85s remaining: 31.1s
1348: learn: 54.7663223 total: 4.85s remaining: 31.1s
1349: learn: 54.7465202 total: 4.85s remaining: 31.1s
1350: learn: 54.7248689 total: 4.86s remaining: 31.1s
1351: learn: 54.7113963 total: 4.86s remaining: 31.1s
1352: learn: 54.6915139 total: 4.87s remaining: 31.1s
1353: learn: 54.6877467 total: 4.87s remaining: 31.1s
1354: learn: 54.6764957 total: 4.87s remaining: 31.1s
1355: learn: 54.6603154 total: 4.87s remaining: 31.1s
1356: learn: 54.6422631 total: 4.88s remaining: 31.1s
1357: learn: 54.6263963 total: 4.88s remaining: 31.1s
1358: learn: 54.6135080 total: 4.88s remaining: 31.1s
1359: learn: 54.6054415 total: 4.89s remaining: 31.1s
1360: learn: 54.5930223 total: 4.89s remaining: 31s
1361: learn: 54.5832169 total: 4.89s remaining: 31s
1362: learn: 54.5786864 total: 4.9s remaining: 31s
1363: learn: 54.5635892 total: 4.9s remaining: 31s
1364: learn: 54.5452049 total: 4.9s remaining: 31s
1365: learn: 54.5384637 total: 4.91s remaining: 31s
1366: learn: 54.5178789 total: 4.91s remaining: 31s
1367: learn: 54.5056171 total: 4.91s remaining: 31s
1368: learn: 54.4960939 total: 4.92s remaining: 31s
1369: learn: 54.4774213 total: 4.92s remaining: 31s
1370: learn: 54.4648239 total: 4.92s remaining: 31s
1371: learn: 54.4478725 total: 4.93s remaining: 31s
1372: learn: 54.4430144 total: 4.93s remaining: 31s
1373: learn: 54.4291196 total: 4.93s remaining: 31s
1374: learn: 54.4175934 total: 4.94s remaining: 31s
1375: learn: 54.4000597 total: 4.94s remaining: 31s
1376: learn: 54.3796502 total: 4.94s remaining: 31s
1377: learn: 54.3584463 total: 4.95s remaining: 31s
1378: learn: 54.3493090 total: 4.95s remaining: 31s
1379: learn: 54.3455210 total: 4.95s remaining: 30.9s
1380: learn: 54.3252684 total: 4.96s remaining: 30.9s
1381: learn: 54.3010360 total: 4.96s remaining: 30.9s
1382: learn: 54.2851810 total: 4.96s remaining: 30.9s
1383: learn: 54.2762340 total: 4.97s remaining: 30.9s
1384: learn: 54.2649636 total: 4.97s remaining: 30.9s
1385: learn: 54.2597951 total: 4.97s remaining: 30.9s
1386: learn: 54.2391304 total: 4.98s remaining: 30.9s
1387: learn: 54.2292495 total: 4.98s remaining: 30.9s
1388: learn: 54.2112300 total: 4.98s remaining: 30.9s
1389: learn: 54.2083477 total: 4.99s remaining: 30.9s
1390: learn: 54.2041498 total: 4.99s remaining: 30.9s
1391: learn: 54.1945063 total: 4.99s remaining: 30.9s
1392: learn: 54.1930083 total: 5s remaining: 30.9s
1393: learn: 54.1732462 total: 5s remaining: 30.9s
1394: learn: 54.1549426 total: 5s remaining: 30.9s
1395: learn: 54.1519416 total: 5.01s remaining: 30.9s
1396: learn: 54.1366009 total: 5.01s remaining: 30.9s
1397: learn: 54.1360301 total: 5.01s remaining: 30.9s
1398: learn: 54.1170335 total: 5.02s remaining: 30.8s
1399: learn: 54.1142803 total: 5.02s remaining: 30.8s
1400: learn: 54.1065405 total: 5.02s remaining: 30.8s
1401: learn: 54.0950431 total: 5.03s remaining: 30.8s
1402: learn: 54.0847635 total: 5.03s remaining: 30.8s
1403: learn: 54.0671605 total: 5.03s remaining: 30.8s
1404: learn: 54.0560343 total: 5.04s remaining: 30.8s
1405: learn: 54.0444901 total: 5.04s remaining: 30.8s

1406:	learn: 54.0328246	total: 5.04s	remaining: 30.8s
1407:	learn: 54.0241247	total: 5.05s	remaining: 30.8s
1408:	learn: 54.0055249	total: 5.05s	remaining: 30.8s
1409:	learn: 53.9916502	total: 5.05s	remaining: 30.8s
1410:	learn: 53.9820262	total: 5.06s	remaining: 30.8s
1411:	learn: 53.9683157	total: 5.06s	remaining: 30.8s
1412:	learn: 53.9498180	total: 5.06s	remaining: 30.8s
1413:	learn: 53.9383754	total: 5.07s	remaining: 30.8s
1414:	learn: 53.9208312	total: 5.07s	remaining: 30.8s
1415:	learn: 53.9062858	total: 5.07s	remaining: 30.8s
1416:	learn: 53.8915666	total: 5.08s	remaining: 30.8s
1417:	learn: 53.8833249	total: 5.08s	remaining: 30.7s
1418:	learn: 53.8714648	total: 5.08s	remaining: 30.7s
1419:	learn: 53.8530155	total: 5.09s	remaining: 30.7s
1420:	learn: 53.8348217	total: 5.09s	remaining: 30.7s
1421:	learn: 53.8298144	total: 5.09s	remaining: 30.7s
1422:	learn: 53.8135162	total: 5.1s	remaining: 30.7s
1423:	learn: 53.8020653	total: 5.1s	remaining: 30.7s
1424:	learn: 53.7990238	total: 5.1s	remaining: 30.7s
1425:	learn: 53.7862623	total: 5.11s	remaining: 30.7s
1426:	learn: 53.7687750	total: 5.11s	remaining: 30.7s
1427:	learn: 53.7602515	total: 5.11s	remaining: 30.7s
1428:	learn: 53.7444893	total: 5.12s	remaining: 30.7s
1429:	learn: 53.7284690	total: 5.12s	remaining: 30.7s
1430:	learn: 53.7178578	total: 5.12s	remaining: 30.7s
1431:	learn: 53.6923425	total: 5.13s	remaining: 30.7s
1432:	learn: 53.6800250	total: 5.13s	remaining: 30.7s
1433:	learn: 53.6662321	total: 5.13s	remaining: 30.7s
1434:	learn: 53.6527221	total: 5.14s	remaining: 30.7s
1435:	learn: 53.6347745	total: 5.14s	remaining: 30.7s
1436:	learn: 53.6216036	total: 5.14s	remaining: 30.6s
1437:	learn: 53.6051272	total: 5.15s	remaining: 30.6s
1438:	learn: 53.5969351	total: 5.15s	remaining: 30.6s
1439:	learn: 53.5808613	total: 5.15s	remaining: 30.6s
1440:	learn: 53.5725241	total: 5.16s	remaining: 30.6s
1441:	learn: 53.5613136	total: 5.16s	remaining: 30.6s
1442:	learn: 53.5454455	total: 5.16s	remaining: 30.6s
1443:	learn: 53.5410217	total: 5.17s	remaining: 30.6s
1444:	learn: 53.5276054	total: 5.17s	remaining: 30.6s
1445:	learn: 53.5262311	total: 5.17s	remaining: 30.6s
1446:	learn: 53.5142399	total: 5.18s	remaining: 30.6s
1447:	learn: 53.4995177	total: 5.18s	remaining: 30.6s
1448:	learn: 53.4841017	total: 5.18s	remaining: 30.6s
1449:	learn: 53.4647363	total: 5.19s	remaining: 30.6s
1450:	learn: 53.4620128	total: 5.19s	remaining: 30.6s
1451:	learn: 53.4503521	total: 5.19s	remaining: 30.6s
1452:	learn: 53.4377968	total: 5.2s	remaining: 30.6s
1453:	learn: 53.4295163	total: 5.2s	remaining: 30.6s
1454:	learn: 53.4270445	total: 5.2s	remaining: 30.6s
1455:	learn: 53.4101550	total: 5.21s	remaining: 30.6s
1456:	learn: 53.3937550	total: 5.21s	remaining: 30.6s
1457:	learn: 53.3755293	total: 5.21s	remaining: 30.5s
1458:	learn: 53.3730852	total: 5.22s	remaining: 30.5s
1459:	learn: 53.3599947	total: 5.22s	remaining: 30.5s
1460:	learn: 53.3499454	total: 5.22s	remaining: 30.5s
1461:	learn: 53.3302986	total: 5.23s	remaining: 30.5s
1462:	learn: 53.3247917	total: 5.23s	remaining: 30.5s
1463:	learn: 53.3086556	total: 5.23s	remaining: 30.5s
1464:	learn: 53.2934488	total: 5.24s	remaining: 30.5s
1465:	learn: 53.2876495	total: 5.24s	remaining: 30.5s
1466:	learn: 53.2849456	total: 5.24s	remaining: 30.5s
1467:	learn: 53.2745638	total: 5.25s	remaining: 30.5s
1468:	learn: 53.2579428	total: 5.25s	remaining: 30.5s
1469:	learn: 53.2372213	total: 5.25s	remaining: 30.5s
1470:	learn: 53.2327097	total: 5.26s	remaining: 30.5s
1471:	learn: 53.2214066	total: 5.26s	remaining: 30.5s
1472:	learn: 53.2099868	total: 5.26s	remaining: 30.5s
1473:	learn: 53.2063897	total: 5.27s	remaining: 30.5s
1474:	learn: 53.2019898	total: 5.27s	remaining: 30.5s
1475:	learn: 53.1964765	total: 5.27s	remaining: 30.5s
1476:	learn: 53.1837231	total: 5.28s	remaining: 30.4s
1477:	learn: 53.1734241	total: 5.28s	remaining: 30.4s
1478:	learn: 53.1534283	total: 5.28s	remaining: 30.4s
1479:	learn: 53.1513924	total: 5.29s	remaining: 30.4s

1480:	learn: 53.1325326	total: 5.29s	remaining: 30.4s
1481:	learn: 53.1188667	total: 5.29s	remaining: 30.4s
1482:	learn: 53.1067296	total: 5.3s	remaining: 30.4s
1483:	learn: 53.1013718	total: 5.3s	remaining: 30.4s
1484:	learn: 53.0872955	total: 5.3s	remaining: 30.4s
1485:	learn: 53.0721406	total: 5.31s	remaining: 30.4s
1486:	learn: 53.0623263	total: 5.31s	remaining: 30.4s
1487:	learn: 53.0460122	total: 5.31s	remaining: 30.4s
1488:	learn: 53.0312467	total: 5.32s	remaining: 30.4s
1489:	learn: 53.0218737	total: 5.32s	remaining: 30.4s
1490:	learn: 53.0092269	total: 5.32s	remaining: 30.4s
1491:	learn: 52.9987321	total: 5.33s	remaining: 30.4s
1492:	learn: 52.9895809	total: 5.33s	remaining: 30.4s
1493:	learn: 52.9736191	total: 5.33s	remaining: 30.4s
1494:	learn: 52.9658206	total: 5.34s	remaining: 30.4s
1495:	learn: 52.9536319	total: 5.34s	remaining: 30.4s
1496:	learn: 52.9422910	total: 5.34s	remaining: 30.4s
1497:	learn: 52.9318258	total: 5.35s	remaining: 30.3s
1498:	learn: 52.9248191	total: 5.35s	remaining: 30.3s
1499:	learn: 52.9082048	total: 5.35s	remaining: 30.3s
1500:	learn: 52.8963337	total: 5.36s	remaining: 30.3s
1501:	learn: 52.8824674	total: 5.36s	remaining: 30.3s
1502:	learn: 52.8679486	total: 5.36s	remaining: 30.3s
1503:	learn: 52.8525607	total: 5.37s	remaining: 30.3s
1504:	learn: 52.8367977	total: 5.37s	remaining: 30.3s
1505:	learn: 52.8255063	total: 5.37s	remaining: 30.3s
1506:	learn: 52.8021098	total: 5.38s	remaining: 30.3s
1507:	learn: 52.7810917	total: 5.38s	remaining: 30.3s
1508:	learn: 52.7781340	total: 5.38s	remaining: 30.3s
1509:	learn: 52.7655117	total: 5.39s	remaining: 30.3s
1510:	learn: 52.7650184	total: 5.39s	remaining: 30.3s
1511:	learn: 52.7530797	total: 5.39s	remaining: 30.3s
1512:	learn: 52.7509141	total: 5.4s	remaining: 30.3s
1513:	learn: 52.7330928	total: 5.4s	remaining: 30.3s
1514:	learn: 52.7226101	total: 5.4s	remaining: 30.3s
1515:	learn: 52.7201410	total: 5.41s	remaining: 30.3s
1516:	learn: 52.7019115	total: 5.41s	remaining: 30.3s
1517:	learn: 52.6967882	total: 5.41s	remaining: 30.2s
1518:	learn: 52.6830852	total: 5.42s	remaining: 30.2s
1519:	learn: 52.6718542	total: 5.42s	remaining: 30.2s
1520:	learn: 52.6523981	total: 5.42s	remaining: 30.2s
1521:	learn: 52.6384169	total: 5.43s	remaining: 30.2s
1522:	learn: 52.6173795	total: 5.43s	remaining: 30.2s
1523:	learn: 52.6094917	total: 5.43s	remaining: 30.2s
1524:	learn: 52.5966189	total: 5.44s	remaining: 30.2s
1525:	learn: 52.5945271	total: 5.44s	remaining: 30.2s
1526:	learn: 52.5804948	total: 5.44s	remaining: 30.2s
1527:	learn: 52.5684769	total: 5.45s	remaining: 30.2s
1528:	learn: 52.5539116	total: 5.45s	remaining: 30.2s
1529:	learn: 52.5452700	total: 5.45s	remaining: 30.2s
1530:	learn: 52.5337024	total: 5.46s	remaining: 30.2s
1531:	learn: 52.5202105	total: 5.46s	remaining: 30.2s
1532:	learn: 52.5026326	total: 5.46s	remaining: 30.2s
1533:	learn: 52.4947419	total: 5.47s	remaining: 30.2s
1534:	learn: 52.4859069	total: 5.47s	remaining: 30.2s
1535:	learn: 52.4732915	total: 5.47s	remaining: 30.2s
1536:	learn: 52.4578359	total: 5.48s	remaining: 30.2s
1537:	learn: 52.4476767	total: 5.48s	remaining: 30.1s
1538:	learn: 52.4349499	total: 5.48s	remaining: 30.1s
1539:	learn: 52.4178410	total: 5.49s	remaining: 30.1s
1540:	learn: 52.4000749	total: 5.49s	remaining: 30.1s
1541:	learn: 52.3783668	total: 5.49s	remaining: 30.1s
1542:	learn: 52.3683498	total: 5.5s	remaining: 30.1s
1543:	learn: 52.3490020	total: 5.5s	remaining: 30.1s
1544:	learn: 52.3361314	total: 5.5s	remaining: 30.1s
1545:	learn: 52.3191869	total: 5.51s	remaining: 30.1s
1546:	learn: 52.3134044	total: 5.51s	remaining: 30.1s
1547:	learn: 52.3026666	total: 5.51s	remaining: 30.1s
1548:	learn: 52.2859911	total: 5.52s	remaining: 30.1s
1549:	learn: 52.2731762	total: 5.52s	remaining: 30.1s
1550:	learn: 52.2641593	total: 5.52s	remaining: 30.1s
1551:	learn: 52.2624955	total: 5.53s	remaining: 30.1s
1552:	learn: 52.2569948	total: 5.53s	remaining: 30.1s
1553:	learn: 52.2424130	total: 5.53s	remaining: 30.1s

1554:	learn: 52.2419481	total: 5.54s	remaining: 30.1s
1555:	learn: 52.2384617	total: 5.54s	remaining: 30.1s
1556:	learn: 52.2240761	total: 5.54s	remaining: 30.1s
1557:	learn: 52.2149019	total: 5.54s	remaining: 30.1s
1558:	learn: 52.1964352	total: 5.55s	remaining: 30s
1559:	learn: 52.1808664	total: 5.55s	remaining: 30s
1560:	learn: 52.1653579	total: 5.56s	remaining: 30s
1561:	learn: 52.1525783	total: 5.56s	remaining: 30s
1562:	learn: 52.1503048	total: 5.56s	remaining: 30s
1563:	learn: 52.1443577	total: 5.57s	remaining: 30s
1564:	learn: 52.1355204	total: 5.57s	remaining: 30s
1565:	learn: 52.1253141	total: 5.57s	remaining: 30s
1566:	learn: 52.1146245	total: 5.58s	remaining: 30s
1567:	learn: 52.1044293	total: 5.58s	remaining: 30s
1568:	learn: 52.0876395	total: 5.58s	remaining: 30s
1569:	learn: 52.0802482	total: 5.58s	remaining: 30s
1570:	learn: 52.0716637	total: 5.59s	remaining: 30s
1571:	learn: 52.0621279	total: 5.59s	remaining: 30s
1572:	learn: 52.0453957	total: 5.59s	remaining: 30s
1573:	learn: 52.0332408	total: 5.6s	remaining: 30s
1574:	learn: 52.0222951	total: 5.6s	remaining: 30s
1575:	learn: 52.0069623	total: 5.61s	remaining: 30s
1576:	learn: 51.9977607	total: 5.61s	remaining: 30s
1577:	learn: 51.9851345	total: 5.61s	remaining: 30s
1578:	learn: 51.9760308	total: 5.62s	remaining: 29.9s
1579:	learn: 51.9619818	total: 5.62s	remaining: 29.9s
1580:	learn: 51.9597985	total: 5.62s	remaining: 29.9s
1581:	learn: 51.9518939	total: 5.63s	remaining: 29.9s
1582:	learn: 51.9385582	total: 5.63s	remaining: 29.9s
1583:	learn: 51.9247272	total: 5.63s	remaining: 29.9s
1584:	learn: 51.9184742	total: 5.63s	remaining: 29.9s
1585:	learn: 51.9105989	total: 5.64s	remaining: 29.9s
1586:	learn: 51.8999146	total: 5.64s	remaining: 29.9s
1587:	learn: 51.8862812	total: 5.64s	remaining: 29.9s
1588:	learn: 51.8715315	total: 5.65s	remaining: 29.9s
1589:	learn: 51.8551697	total: 5.65s	remaining: 29.9s
1590:	learn: 51.8451988	total: 5.66s	remaining: 29.9s
1591:	learn: 51.8314647	total: 5.66s	remaining: 29.9s
1592:	learn: 51.8159136	total: 5.66s	remaining: 29.9s
1593:	learn: 51.8083844	total: 5.67s	remaining: 29.9s
1594:	learn: 51.8028889	total: 5.67s	remaining: 29.9s
1595:	learn: 51.7902398	total: 5.67s	remaining: 29.9s
1596:	learn: 51.7807224	total: 5.67s	remaining: 29.9s
1597:	learn: 51.7720097	total: 5.68s	remaining: 29.9s
1598:	learn: 51.7623417	total: 5.68s	remaining: 29.9s
1599:	learn: 51.7510721	total: 5.68s	remaining: 29.8s
1600:	learn: 51.7422083	total: 5.69s	remaining: 29.8s
1601:	learn: 51.7267515	total: 5.69s	remaining: 29.8s
1602:	learn: 51.7170350	total: 5.7s	remaining: 29.8s
1603:	learn: 51.6964095	total: 5.7s	remaining: 29.8s
1604:	learn: 51.6930238	total: 5.7s	remaining: 29.8s
1605:	learn: 51.6806991	total: 5.71s	remaining: 29.8s
1606:	learn: 51.6707577	total: 5.71s	remaining: 29.8s
1607:	learn: 51.6547486	total: 5.71s	remaining: 29.8s
1608:	learn: 51.6467791	total: 5.71s	remaining: 29.8s
1609:	learn: 51.6332054	total: 5.72s	remaining: 29.8s
1610:	learn: 51.6231413	total: 5.72s	remaining: 29.8s
1611:	learn: 51.6071297	total: 5.72s	remaining: 29.8s
1612:	learn: 51.5863828	total: 5.73s	remaining: 29.8s
1613:	learn: 51.5762472	total: 5.73s	remaining: 29.8s
1614:	learn: 51.5570545	total: 5.74s	remaining: 29.8s
1615:	learn: 51.5494037	total: 5.74s	remaining: 29.8s
1616:	learn: 51.5412854	total: 5.74s	remaining: 29.8s
1617:	learn: 51.5270740	total: 5.75s	remaining: 29.8s
1618:	learn: 51.5159392	total: 5.75s	remaining: 29.8s
1619:	learn: 51.5076887	total: 5.75s	remaining: 29.8s
1620:	learn: 51.4889278	total: 5.75s	remaining: 29.7s
1621:	learn: 51.4779930	total: 5.76s	remaining: 29.7s
1622:	learn: 51.4603564	total: 5.76s	remaining: 29.7s
1623:	learn: 51.4503404	total: 5.76s	remaining: 29.7s
1624:	learn: 51.4360493	total: 5.77s	remaining: 29.7s
1625:	learn: 51.4256241	total: 5.77s	remaining: 29.7s
1626:	learn: 51.4100823	total: 5.78s	remaining: 29.7s
1627:	learn: 51.4002924	total: 5.78s	remaining: 29.7s

1628:	learn: 51.3882413	total: 5.78s	remaining: 29.7s
1629:	learn: 51.3738040	total: 5.79s	remaining: 29.7s
1630:	learn: 51.3679178	total: 5.79s	remaining: 29.7s
1631:	learn: 51.3542115	total: 5.79s	remaining: 29.7s
1632:	learn: 51.3441432	total: 5.79s	remaining: 29.7s
1633:	learn: 51.3302882	total: 5.8s	remaining: 29.7s
1634:	learn: 51.3210875	total: 5.8s	remaining: 29.7s
1635:	learn: 51.2987875	total: 5.8s	remaining: 29.7s
1636:	learn: 51.2805594	total: 5.81s	remaining: 29.7s
1637:	learn: 51.2706234	total: 5.81s	remaining: 29.7s
1638:	learn: 51.2556400	total: 5.81s	remaining: 29.7s
1639:	learn: 51.2490020	total: 5.82s	remaining: 29.7s
1640:	learn: 51.2406008	total: 5.82s	remaining: 29.7s
1641:	learn: 51.2299866	total: 5.82s	remaining: 29.6s
1642:	learn: 51.2161106	total: 5.83s	remaining: 29.6s
1643:	learn: 51.2060981	total: 5.83s	remaining: 29.6s
1644:	learn: 51.1947248	total: 5.83s	remaining: 29.6s
1645:	learn: 51.1863247	total: 5.84s	remaining: 29.6s
1646:	learn: 51.1775797	total: 5.84s	remaining: 29.6s
1647:	learn: 51.1671878	total: 5.84s	remaining: 29.6s
1648:	learn: 51.1554192	total: 5.85s	remaining: 29.6s
1649:	learn: 51.1419401	total: 5.85s	remaining: 29.6s
1650:	learn: 51.1298721	total: 5.86s	remaining: 29.6s
1651:	learn: 51.1217452	total: 5.86s	remaining: 29.6s
1652:	learn: 51.1061900	total: 5.86s	remaining: 29.6s
1653:	learn: 51.0936770	total: 5.87s	remaining: 29.6s
1654:	learn: 51.0785603	total: 5.87s	remaining: 29.6s
1655:	learn: 51.0709797	total: 5.87s	remaining: 29.6s
1656:	learn: 51.0570893	total: 5.88s	remaining: 29.6s
1657:	learn: 51.0515340	total: 5.88s	remaining: 29.6s
1658:	learn: 51.0460802	total: 5.88s	remaining: 29.6s
1659:	learn: 51.0380267	total: 5.88s	remaining: 29.6s
1660:	learn: 51.0229227	total: 5.89s	remaining: 29.6s
1661:	learn: 51.0134142	total: 5.89s	remaining: 29.6s
1662:	learn: 51.0042733	total: 5.89s	remaining: 29.6s
1663:	learn: 50.9889162	total: 5.9s	remaining: 29.5s
1664:	learn: 50.9777021	total: 5.9s	remaining: 29.5s
1665:	learn: 50.9626449	total: 5.91s	remaining: 29.5s
1666:	learn: 50.9528820	total: 5.91s	remaining: 29.5s
1667:	learn: 50.9507699	total: 5.91s	remaining: 29.5s
1668:	learn: 50.9469422	total: 5.91s	remaining: 29.5s
1669:	learn: 50.9361179	total: 5.92s	remaining: 29.5s
1670:	learn: 50.9236971	total: 5.92s	remaining: 29.5s
1671:	learn: 50.9114437	total: 5.92s	remaining: 29.5s
1672:	learn: 50.9040219	total: 5.93s	remaining: 29.5s
1673:	learn: 50.8912534	total: 5.93s	remaining: 29.5s
1674:	learn: 50.8783930	total: 5.93s	remaining: 29.5s
1675:	learn: 50.8621134	total: 5.94s	remaining: 29.5s
1676:	learn: 50.8616897	total: 5.94s	remaining: 29.5s
1677:	learn: 50.8460525	total: 5.94s	remaining: 29.5s
1678:	learn: 50.8335692	total: 5.95s	remaining: 29.5s
1679:	learn: 50.8275400	total: 5.95s	remaining: 29.5s
1680:	learn: 50.8048292	total: 5.95s	remaining: 29.5s
1681:	learn: 50.7966483	total: 5.96s	remaining: 29.5s
1682:	learn: 50.7962704	total: 5.96s	remaining: 29.5s
1683:	learn: 50.7880726	total: 5.96s	remaining: 29.5s
1684:	learn: 50.7746290	total: 5.97s	remaining: 29.4s
1685:	learn: 50.7641390	total: 5.97s	remaining: 29.4s
1686:	learn: 50.7523144	total: 5.97s	remaining: 29.4s
1687:	learn: 50.7520313	total: 5.98s	remaining: 29.4s
1688:	learn: 50.7431322	total: 5.98s	remaining: 29.4s
1689:	learn: 50.7399527	total: 5.98s	remaining: 29.4s
1690:	learn: 50.7309188	total: 5.99s	remaining: 29.4s
1691:	learn: 50.7237490	total: 5.99s	remaining: 29.4s
1692:	learn: 50.7122532	total: 5.99s	remaining: 29.4s
1693:	learn: 50.7058261	total: 6s	remaining: 29.4s
1694:	learn: 50.6920848	total: 6s	remaining: 29.4s
1695:	learn: 50.6806053	total: 6s	remaining: 29.4s
1696:	learn: 50.6754017	total: 6.01s	remaining: 29.4s
1697:	learn: 50.6607537	total: 6.01s	remaining: 29.4s
1698:	learn: 50.6519975	total: 6.01s	remaining: 29.4s
1699:	learn: 50.6428710	total: 6.02s	remaining: 29.4s
1700:	learn: 50.6343860	total: 6.02s	remaining: 29.4s
1701:	learn: 50.6266986	total: 6.02s	remaining: 29.4s

1702:	learn: 50.6133111	total: 6.03s	remaining: 29.4s
1703:	learn: 50.5978854	total: 6.03s	remaining: 29.4s
1704:	learn: 50.5876252	total: 6.03s	remaining: 29.4s
1705:	learn: 50.5769079	total: 6.04s	remaining: 29.4s
1706:	learn: 50.5639084	total: 6.04s	remaining: 29.3s
1707:	learn: 50.5543872	total: 6.04s	remaining: 29.3s
1708:	learn: 50.5437729	total: 6.05s	remaining: 29.3s
1709:	learn: 50.5325821	total: 6.05s	remaining: 29.3s
1710:	learn: 50.5254884	total: 6.05s	remaining: 29.3s
1711:	learn: 50.5095468	total: 6.06s	remaining: 29.3s
1712:	learn: 50.5012505	total: 6.06s	remaining: 29.3s
1713:	learn: 50.4902271	total: 6.06s	remaining: 29.3s
1714:	learn: 50.4768081	total: 6.07s	remaining: 29.3s
1715:	learn: 50.4640068	total: 6.07s	remaining: 29.3s
1716:	learn: 50.4551152	total: 6.07s	remaining: 29.3s
1717:	learn: 50.4470312	total: 6.08s	remaining: 29.3s
1718:	learn: 50.4396542	total: 6.08s	remaining: 29.3s
1719:	learn: 50.4247618	total: 6.08s	remaining: 29.3s
1720:	learn: 50.4180561	total: 6.09s	remaining: 29.3s
1721:	learn: 50.4079239	total: 6.09s	remaining: 29.3s
1722:	learn: 50.3973829	total: 6.09s	remaining: 29.3s
1723:	learn: 50.3939127	total: 6.1s	remaining: 29.3s
1724:	learn: 50.3824980	total: 6.1s	remaining: 29.3s
1725:	learn: 50.3795251	total: 6.1s	remaining: 29.3s
1726:	learn: 50.3676484	total: 6.11s	remaining: 29.3s
1727:	learn: 50.3604680	total: 6.11s	remaining: 29.3s
1728:	learn: 50.3527759	total: 6.11s	remaining: 29.2s
1729:	learn: 50.3423658	total: 6.12s	remaining: 29.2s
1730:	learn: 50.3338659	total: 6.12s	remaining: 29.2s
1731:	learn: 50.3321843	total: 6.12s	remaining: 29.2s
1732:	learn: 50.3209843	total: 6.13s	remaining: 29.2s
1733:	learn: 50.3111897	total: 6.13s	remaining: 29.2s
1734:	learn: 50.2968585	total: 6.13s	remaining: 29.2s
1735:	learn: 50.2853317	total: 6.14s	remaining: 29.2s
1736:	learn: 50.2744402	total: 6.14s	remaining: 29.2s
1737:	learn: 50.2631172	total: 6.14s	remaining: 29.2s
1738:	learn: 50.2506186	total: 6.15s	remaining: 29.2s
1739:	learn: 50.2403444	total: 6.15s	remaining: 29.2s
1740:	learn: 50.2303719	total: 6.15s	remaining: 29.2s
1741:	learn: 50.2194978	total: 6.16s	remaining: 29.2s
1742:	learn: 50.2041631	total: 6.16s	remaining: 29.2s
1743:	learn: 50.1913521	total: 6.16s	remaining: 29.2s
1744:	learn: 50.1807200	total: 6.17s	remaining: 29.2s
1745:	learn: 50.1758495	total: 6.17s	remaining: 29.2s
1746:	learn: 50.1676957	total: 6.17s	remaining: 29.2s
1747:	learn: 50.1608204	total: 6.18s	remaining: 29.2s
1748:	learn: 50.1490192	total: 6.18s	remaining: 29.2s
1749:	learn: 50.1351101	total: 6.18s	remaining: 29.2s
1750:	learn: 50.1251947	total: 6.19s	remaining: 29.2s
1751:	learn: 50.1215472	total: 6.19s	remaining: 29.1s
1752:	learn: 50.1196092	total: 6.19s	remaining: 29.1s
1753:	learn: 50.1075167	total: 6.2s	remaining: 29.1s
1754:	learn: 50.0895179	total: 6.2s	remaining: 29.1s
1755:	learn: 50.0728798	total: 6.2s	remaining: 29.1s
1756:	learn: 50.0622499	total: 6.21s	remaining: 29.1s
1757:	learn: 50.0484870	total: 6.21s	remaining: 29.1s
1758:	learn: 50.0372347	total: 6.21s	remaining: 29.1s
1759:	learn: 50.0259944	total: 6.22s	remaining: 29.1s
1760:	learn: 50.0225834	total: 6.22s	remaining: 29.1s
1761:	learn: 50.0060442	total: 6.22s	remaining: 29.1s
1762:	learn: 50.0042779	total: 6.23s	remaining: 29.1s
1763:	learn: 49.9976441	total: 6.23s	remaining: 29.1s
1764:	learn: 49.9897223	total: 6.23s	remaining: 29.1s
1765:	learn: 49.9765798	total: 6.24s	remaining: 29.1s
1766:	learn: 49.9640313	total: 6.24s	remaining: 29.1s
1767:	learn: 49.9541217	total: 6.25s	remaining: 29.1s
1768:	learn: 49.9457005	total: 6.25s	remaining: 29.1s
1769:	learn: 49.9352888	total: 6.25s	remaining: 29.1s
1770:	learn: 49.9289499	total: 6.25s	remaining: 29.1s
1771:	learn: 49.9177184	total: 6.26s	remaining: 29.1s
1772:	learn: 49.9029713	total: 6.26s	remaining: 29.1s
1773:	learn: 49.8892285	total: 6.26s	remaining: 29.1s
1774:	learn: 49.8799686	total: 6.27s	remaining: 29s
1775:	learn: 49.8663353	total: 6.27s	remaining: 29s

1776: learn: 49.8659529 total: 6.27s remaining: 29s
1777: learn: 49.8459445 total: 6.28s remaining: 29s
1778: learn: 49.8323463 total: 6.28s remaining: 29s
1779: learn: 49.8138783 total: 6.28s remaining: 29s
1780: learn: 49.8059741 total: 6.29s remaining: 29s
1781: learn: 49.7952345 total: 6.29s remaining: 29s
1782: learn: 49.7866140 total: 6.29s remaining: 29s
1783: learn: 49.7681106 total: 6.3s remaining: 29s
1784: learn: 49.7616084 total: 6.3s remaining: 29s
1785: learn: 49.7531298 total: 6.3s remaining: 29s
1786: learn: 49.7400732 total: 6.31s remaining: 29s
1787: learn: 49.7296179 total: 6.31s remaining: 29s
1788: learn: 49.7127171 total: 6.32s remaining: 29s
1789: learn: 49.7007734 total: 6.32s remaining: 29s
1790: learn: 49.6917336 total: 6.32s remaining: 29s
1791: learn: 49.6816677 total: 6.33s remaining: 29s
1792: learn: 49.6739861 total: 6.33s remaining: 29s
1793: learn: 49.6695109 total: 6.33s remaining: 29s
1794: learn: 49.6612600 total: 6.33s remaining: 29s
1795: learn: 49.6489315 total: 6.34s remaining: 29s
1796: learn: 49.6387042 total: 6.34s remaining: 29s
1797: learn: 49.6295671 total: 6.35s remaining: 28.9s
1798: learn: 49.6206037 total: 6.35s remaining: 28.9s
1799: learn: 49.6140765 total: 6.35s remaining: 28.9s
1800: learn: 49.6050294 total: 6.36s remaining: 28.9s
1801: learn: 49.5983933 total: 6.36s remaining: 28.9s
1802: learn: 49.5858999 total: 6.36s remaining: 28.9s
1803: learn: 49.5709131 total: 6.37s remaining: 28.9s
1804: learn: 49.5558108 total: 6.37s remaining: 28.9s
1805: learn: 49.5463460 total: 6.37s remaining: 28.9s
1806: learn: 49.5401729 total: 6.38s remaining: 28.9s
1807: learn: 49.5258606 total: 6.38s remaining: 28.9s
1808: learn: 49.5103436 total: 6.38s remaining: 28.9s
1809: learn: 49.4969051 total: 6.39s remaining: 28.9s
1810: learn: 49.4828174 total: 6.39s remaining: 28.9s
1811: learn: 49.4751054 total: 6.39s remaining: 28.9s
1812: learn: 49.4609216 total: 6.4s remaining: 28.9s
1813: learn: 49.4515893 total: 6.4s remaining: 28.9s
1814: learn: 49.4484976 total: 6.4s remaining: 28.9s
1815: learn: 49.4376175 total: 6.41s remaining: 28.9s
1816: learn: 49.4227833 total: 6.41s remaining: 28.9s
1817: learn: 49.4123185 total: 6.41s remaining: 28.9s
1818: learn: 49.4017913 total: 6.42s remaining: 28.9s
1819: learn: 49.3903947 total: 6.42s remaining: 28.9s
1820: learn: 49.3863536 total: 6.42s remaining: 28.9s
1821: learn: 49.3721882 total: 6.43s remaining: 28.8s
1822: learn: 49.3631458 total: 6.43s remaining: 28.8s
1823: learn: 49.3475574 total: 6.43s remaining: 28.8s
1824: learn: 49.3414399 total: 6.44s remaining: 28.8s
1825: learn: 49.3236493 total: 6.44s remaining: 28.8s
1826: learn: 49.3091163 total: 6.44s remaining: 28.8s
1827: learn: 49.2989030 total: 6.45s remaining: 28.8s
1828: learn: 49.2923756 total: 6.45s remaining: 28.8s
1829: learn: 49.2739697 total: 6.45s remaining: 28.8s
1830: learn: 49.2671132 total: 6.46s remaining: 28.8s
1831: learn: 49.2591347 total: 6.46s remaining: 28.8s
1832: learn: 49.2508805 total: 6.46s remaining: 28.8s
1833: learn: 49.2380466 total: 6.47s remaining: 28.8s
1834: learn: 49.2281321 total: 6.47s remaining: 28.8s
1835: learn: 49.2213148 total: 6.47s remaining: 28.8s
1836: learn: 49.2098973 total: 6.48s remaining: 28.8s
1837: learn: 49.2065756 total: 6.48s remaining: 28.8s
1838: learn: 49.1963663 total: 6.48s remaining: 28.8s
1839: learn: 49.1933545 total: 6.49s remaining: 28.8s
1840: learn: 49.1858995 total: 6.49s remaining: 28.8s
1841: learn: 49.1770647 total: 6.49s remaining: 28.8s
1842: learn: 49.1692604 total: 6.5s remaining: 28.8s
1843: learn: 49.1609191 total: 6.5s remaining: 28.8s
1844: learn: 49.1493682 total: 6.5s remaining: 28.8s
1845: learn: 49.1389807 total: 6.51s remaining: 28.7s
1846: learn: 49.1319145 total: 6.51s remaining: 28.7s
1847: learn: 49.1148652 total: 6.51s remaining: 28.7s
1848: learn: 49.1071222 total: 6.52s remaining: 28.7s
1849: learn: 49.0913594 total: 6.52s remaining: 28.7s

1850: learn: 49.0910002 total: 6.52s remaining: 28.7s
1851: learn: 49.0809928 total: 6.53s remaining: 28.7s
1852: learn: 49.0688676 total: 6.53s remaining: 28.7s
1853: learn: 49.0554414 total: 6.53s remaining: 28.7s
1854: learn: 49.0426906 total: 6.54s remaining: 28.7s
1855: learn: 49.0350014 total: 6.54s remaining: 28.7s
1856: learn: 49.0327264 total: 6.54s remaining: 28.7s
1857: learn: 49.0203314 total: 6.55s remaining: 28.7s
1858: learn: 49.0113890 total: 6.55s remaining: 28.7s
1859: learn: 49.0096618 total: 6.55s remaining: 28.7s
1860: learn: 49.0000126 total: 6.56s remaining: 28.7s
1861: learn: 48.9823203 total: 6.56s remaining: 28.7s
1862: learn: 48.9759811 total: 6.56s remaining: 28.7s
1863: learn: 48.9633061 total: 6.57s remaining: 28.7s
1864: learn: 48.9555102 total: 6.57s remaining: 28.7s
1865: learn: 48.9419913 total: 6.57s remaining: 28.7s
1866: learn: 48.9289520 total: 6.58s remaining: 28.7s
1867: learn: 48.9200122 total: 6.58s remaining: 28.7s
1868: learn: 48.9171328 total: 6.58s remaining: 28.6s
1869: learn: 48.9062525 total: 6.59s remaining: 28.6s
1870: learn: 48.8987528 total: 6.59s remaining: 28.6s
1871: learn: 48.8861979 total: 6.59s remaining: 28.6s
1872: learn: 48.8765100 total: 6.6s remaining: 28.6s
1873: learn: 48.8701114 total: 6.6s remaining: 28.6s
1874: learn: 48.8628251 total: 6.61s remaining: 28.6s
1875: learn: 48.8470377 total: 6.61s remaining: 28.6s
1876: learn: 48.8391161 total: 6.61s remaining: 28.6s
1877: learn: 48.8283195 total: 6.62s remaining: 28.6s
1878: learn: 48.8173013 total: 6.62s remaining: 28.6s
1879: learn: 48.8120380 total: 6.62s remaining: 28.6s
1880: learn: 48.8116931 total: 6.63s remaining: 28.6s
1881: learn: 48.8026678 total: 6.63s remaining: 28.6s
1882: learn: 48.7923293 total: 6.63s remaining: 28.6s
1883: learn: 48.7904022 total: 6.64s remaining: 28.6s
1884: learn: 48.7740889 total: 6.64s remaining: 28.6s
1885: learn: 48.7615057 total: 6.64s remaining: 28.6s
1886: learn: 48.7506264 total: 6.65s remaining: 28.6s
1887: learn: 48.7434372 total: 6.65s remaining: 28.6s
1888: learn: 48.7345112 total: 6.65s remaining: 28.6s
1889: learn: 48.7219251 total: 6.66s remaining: 28.6s
1890: learn: 48.7144056 total: 6.66s remaining: 28.6s
1891: learn: 48.7045741 total: 6.66s remaining: 28.6s
1892: learn: 48.7014387 total: 6.67s remaining: 28.6s
1893: learn: 48.6976682 total: 6.67s remaining: 28.6s
1894: learn: 48.6887320 total: 6.67s remaining: 28.5s
1895: learn: 48.6799579 total: 6.68s remaining: 28.5s
1896: learn: 48.6762591 total: 6.68s remaining: 28.5s
1897: learn: 48.6667412 total: 6.68s remaining: 28.5s
1898: learn: 48.6563099 total: 6.69s remaining: 28.5s
1899: learn: 48.6410975 total: 6.69s remaining: 28.5s
1900: learn: 48.6297973 total: 6.7s remaining: 28.5s
1901: learn: 48.6165710 total: 6.7s remaining: 28.5s
1902: learn: 48.6077822 total: 6.7s remaining: 28.5s
1903: learn: 48.5969647 total: 6.71s remaining: 28.5s
1904: learn: 48.5912422 total: 6.71s remaining: 28.5s
1905: learn: 48.5822456 total: 6.71s remaining: 28.5s
1906: learn: 48.5697229 total: 6.71s remaining: 28.5s
1907: learn: 48.5526724 total: 6.72s remaining: 28.5s
1908: learn: 48.5485332 total: 6.72s remaining: 28.5s
1909: learn: 48.5411217 total: 6.72s remaining: 28.5s
1910: learn: 48.5328215 total: 6.73s remaining: 28.5s
1911: learn: 48.5231246 total: 6.73s remaining: 28.5s
1912: learn: 48.5184856 total: 6.74s remaining: 28.5s
1913: learn: 48.5057056 total: 6.74s remaining: 28.5s
1914: learn: 48.4879054 total: 6.74s remaining: 28.5s
1915: learn: 48.4809993 total: 6.75s remaining: 28.5s
1916: learn: 48.4758596 total: 6.75s remaining: 28.5s
1917: learn: 48.4674584 total: 6.75s remaining: 28.5s
1918: learn: 48.4588528 total: 6.76s remaining: 28.5s
1919: learn: 48.4478344 total: 6.76s remaining: 28.4s
1920: learn: 48.4341338 total: 6.76s remaining: 28.4s
1921: learn: 48.4196112 total: 6.77s remaining: 28.4s
1922: learn: 48.4063003 total: 6.77s remaining: 28.4s
1923: learn: 48.3971715 total: 6.77s remaining: 28.4s

1924:	learn: 48.3933794	total: 6.78s	remaining: 28.4s
1925:	learn: 48.3827966	total: 6.78s	remaining: 28.4s
1926:	learn: 48.3730071	total: 6.78s	remaining: 28.4s
1927:	learn: 48.3657618	total: 6.79s	remaining: 28.4s
1928:	learn: 48.3552394	total: 6.79s	remaining: 28.4s
1929:	learn: 48.3494608	total: 6.79s	remaining: 28.4s
1930:	learn: 48.3419027	total: 6.8s	remaining: 28.4s
1931:	learn: 48.3350069	total: 6.8s	remaining: 28.4s
1932:	learn: 48.3346781	total: 6.8s	remaining: 28.4s
1933:	learn: 48.3207449	total: 6.81s	remaining: 28.4s
1934:	learn: 48.3078196	total: 6.81s	remaining: 28.4s
1935:	learn: 48.2924801	total: 6.82s	remaining: 28.4s
1936:	learn: 48.2835828	total: 6.82s	remaining: 28.4s
1937:	learn: 48.2734285	total: 6.82s	remaining: 28.4s
1938:	learn: 48.2624809	total: 6.83s	remaining: 28.4s
1939:	learn: 48.2522247	total: 6.83s	remaining: 28.4s
1940:	learn: 48.2410690	total: 6.83s	remaining: 28.4s
1941:	learn: 48.2338756	total: 6.84s	remaining: 28.4s
1942:	learn: 48.2228524	total: 6.84s	remaining: 28.4s
1943:	learn: 48.2183037	total: 6.84s	remaining: 28.4s
1944:	learn: 48.2076857	total: 6.85s	remaining: 28.4s
1945:	learn: 48.1959458	total: 6.85s	remaining: 28.4s
1946:	learn: 48.1872372	total: 6.85s	remaining: 28.3s
1947:	learn: 48.1861388	total: 6.86s	remaining: 28.3s
1948:	learn: 48.1771080	total: 6.86s	remaining: 28.3s
1949:	learn: 48.1727400	total: 6.86s	remaining: 28.3s
1950:	learn: 48.1709343	total: 6.87s	remaining: 28.3s
1951:	learn: 48.1598524	total: 6.87s	remaining: 28.3s
1952:	learn: 48.1530645	total: 6.87s	remaining: 28.3s
1953:	learn: 48.1479463	total: 6.88s	remaining: 28.3s
1954:	learn: 48.1338085	total: 6.88s	remaining: 28.3s
1955:	learn: 48.1200863	total: 6.88s	remaining: 28.3s
1956:	learn: 48.1102083	total: 6.89s	remaining: 28.3s
1957:	learn: 48.0966462	total: 6.89s	remaining: 28.3s
1958:	learn: 48.0887292	total: 6.89s	remaining: 28.3s
1959:	learn: 48.0837872	total: 6.9s	remaining: 28.3s
1960:	learn: 48.0740453	total: 6.9s	remaining: 28.3s
1961:	learn: 48.0602920	total: 6.9s	remaining: 28.3s
1962:	learn: 48.0507566	total: 6.91s	remaining: 28.3s
1963:	learn: 48.0463327	total: 6.91s	remaining: 28.3s
1964:	learn: 48.0340498	total: 6.91s	remaining: 28.3s
1965:	learn: 48.0337354	total: 6.92s	remaining: 28.3s
1966:	learn: 48.0257363	total: 6.92s	remaining: 28.3s
1967:	learn: 48.0127206	total: 6.92s	remaining: 28.3s
1968:	learn: 48.0080654	total: 6.93s	remaining: 28.3s
1969:	learn: 47.9988927	total: 6.93s	remaining: 28.2s
1970:	learn: 47.9879233	total: 6.93s	remaining: 28.2s
1971:	learn: 47.9774286	total: 6.94s	remaining: 28.2s
1972:	learn: 47.9647311	total: 6.94s	remaining: 28.2s
1973:	learn: 47.9540263	total: 6.94s	remaining: 28.2s
1974:	learn: 47.9455530	total: 6.95s	remaining: 28.2s
1975:	learn: 47.9398596	total: 6.95s	remaining: 28.2s
1976:	learn: 47.9301313	total: 6.95s	remaining: 28.2s
1977:	learn: 47.9259803	total: 6.96s	remaining: 28.2s
1978:	learn: 47.9190140	total: 6.96s	remaining: 28.2s
1979:	learn: 47.9058488	total: 6.96s	remaining: 28.2s
1980:	learn: 47.8977693	total: 6.97s	remaining: 28.2s
1981:	learn: 47.8884121	total: 6.97s	remaining: 28.2s
1982:	learn: 47.8789288	total: 6.97s	remaining: 28.2s
1983:	learn: 47.8690117	total: 6.98s	remaining: 28.2s
1984:	learn: 47.8595962	total: 6.98s	remaining: 28.2s
1985:	learn: 47.8512967	total: 6.99s	remaining: 28.2s
1986:	learn: 47.8453826	total: 6.99s	remaining: 28.2s
1987:	learn: 47.8311394	total: 6.99s	remaining: 28.2s
1988:	learn: 47.8221783	total: 7s	remaining: 28.2s
1989:	learn: 47.8081169	total: 7s	remaining: 28.2s
1990:	learn: 47.7968733	total: 7s	remaining: 28.2s
1991:	learn: 47.7856069	total: 7s	remaining: 28.2s
1992:	learn: 47.7777849	total: 7.01s	remaining: 28.2s
1993:	learn: 47.7692207	total: 7.01s	remaining: 28.2s
1994:	learn: 47.7562067	total: 7.01s	remaining: 28.1s
1995:	learn: 47.7486482	total: 7.02s	remaining: 28.1s
1996:	learn: 47.7349595	total: 7.02s	remaining: 28.1s
1997:	learn: 47.7258144	total: 7.03s	remaining: 28.1s

1998:	learn: 47.7181534	total: 7.03s	remaining: 28.1s
1999:	learn: 47.7087307	total: 7.03s	remaining: 28.1s
2000:	learn: 47.7004893	total: 7.04s	remaining: 28.1s
2001:	learn: 47.6860087	total: 7.04s	remaining: 28.1s
2002:	learn: 47.6779267	total: 7.04s	remaining: 28.1s
2003:	learn: 47.6669471	total: 7.04s	remaining: 28.1s
2004:	learn: 47.6555658	total: 7.05s	remaining: 28.1s
2005:	learn: 47.6548014	total: 7.05s	remaining: 28.1s
2006:	learn: 47.6483911	total: 7.05s	remaining: 28.1s
2007:	learn: 47.6379045	total: 7.06s	remaining: 28.1s
2008:	learn: 47.6292815	total: 7.06s	remaining: 28.1s
2009:	learn: 47.6212367	total: 7.07s	remaining: 28.1s
2010:	learn: 47.6126335	total: 7.07s	remaining: 28.1s
2011:	learn: 47.6014831	total: 7.07s	remaining: 28.1s
2012:	learn: 47.5903006	total: 7.08s	remaining: 28.1s
2013:	learn: 47.5837521	total: 7.08s	remaining: 28.1s
2014:	learn: 47.5772451	total: 7.08s	remaining: 28.1s
2015:	learn: 47.5625655	total: 7.09s	remaining: 28.1s
2016:	learn: 47.5460247	total: 7.09s	remaining: 28.1s
2017:	learn: 47.5384446	total: 7.09s	remaining: 28.1s
2018:	learn: 47.5267347	total: 7.1s	remaining: 28.1s
2019:	learn: 47.5158844	total: 7.1s	remaining: 28s
2020:	learn: 47.4982930	total: 7.1s	remaining: 28s
2021:	learn: 47.4859068	total: 7.11s	remaining: 28s
2022:	learn: 47.4791559	total: 7.11s	remaining: 28s
2023:	learn: 47.4693005	total: 7.11s	remaining: 28s
2024:	learn: 47.4589047	total: 7.12s	remaining: 28s
2025:	learn: 47.4430296	total: 7.12s	remaining: 28s
2026:	learn: 47.4378025	total: 7.12s	remaining: 28s
2027:	learn: 47.4343305	total: 7.13s	remaining: 28s
2028:	learn: 47.4193396	total: 7.13s	remaining: 28s
2029:	learn: 47.4103998	total: 7.13s	remaining: 28s
2030:	learn: 47.4028710	total: 7.14s	remaining: 28s
2031:	learn: 47.3934541	total: 7.14s	remaining: 28s
2032:	learn: 47.3864145	total: 7.14s	remaining: 28s
2033:	learn: 47.3788842	total: 7.15s	remaining: 28s
2034:	learn: 47.3722194	total: 7.15s	remaining: 28s
2035:	learn: 47.3651504	total: 7.15s	remaining: 28s
2036:	learn: 47.3552196	total: 7.16s	remaining: 28s
2037:	learn: 47.3525902	total: 7.16s	remaining: 28s
2038:	learn: 47.3453997	total: 7.16s	remaining: 28s
2039:	learn: 47.3292517	total: 7.17s	remaining: 28s
2040:	learn: 47.3196060	total: 7.17s	remaining: 28s
2041:	learn: 47.3117131	total: 7.17s	remaining: 28s
2042:	learn: 47.3063224	total: 7.18s	remaining: 28s
2043:	learn: 47.2951618	total: 7.18s	remaining: 28s
2044:	learn: 47.2867831	total: 7.18s	remaining: 27.9s
2045:	learn: 47.2777945	total: 7.19s	remaining: 27.9s
2046:	learn: 47.2671472	total: 7.19s	remaining: 27.9s
2047:	learn: 47.2598644	total: 7.2s	remaining: 27.9s
2048:	learn: 47.2523543	total: 7.2s	remaining: 27.9s
2049:	learn: 47.2396776	total: 7.2s	remaining: 27.9s
2050:	learn: 47.2274541	total: 7.21s	remaining: 27.9s
2051:	learn: 47.2114987	total: 7.21s	remaining: 27.9s
2052:	learn: 47.1962853	total: 7.21s	remaining: 27.9s
2053:	learn: 47.1959857	total: 7.22s	remaining: 27.9s
2054:	learn: 47.1938158	total: 7.22s	remaining: 27.9s
2055:	learn: 47.1847898	total: 7.22s	remaining: 27.9s
2056:	learn: 47.1817258	total: 7.23s	remaining: 27.9s
2057:	learn: 47.1743782	total: 7.23s	remaining: 27.9s
2058:	learn: 47.1691555	total: 7.23s	remaining: 27.9s
2059:	learn: 47.1579332	total: 7.24s	remaining: 27.9s
2060:	learn: 47.1574685	total: 7.24s	remaining: 27.9s
2061:	learn: 47.1479909	total: 7.24s	remaining: 27.9s
2062:	learn: 47.1376147	total: 7.25s	remaining: 27.9s
2063:	learn: 47.1317030	total: 7.25s	remaining: 27.9s
2064:	learn: 47.1203767	total: 7.25s	remaining: 27.9s
2065:	learn: 47.1077220	total: 7.26s	remaining: 27.9s
2066:	learn: 47.0943737	total: 7.26s	remaining: 27.9s
2067:	learn: 47.0846478	total: 7.26s	remaining: 27.9s
2068:	learn: 47.0798503	total: 7.27s	remaining: 27.9s
2069:	learn: 47.0679226	total: 7.27s	remaining: 27.9s
2070:	learn: 47.0592819	total: 7.27s	remaining: 27.8s
2071:	learn: 47.0429061	total: 7.28s	remaining: 27.8s

2072:	learn: 47.0331282	total: 7.28s	remaining: 27.8s
2073:	learn: 47.0267832	total: 7.28s	remaining: 27.8s
2074:	learn: 47.0266251	total: 7.29s	remaining: 27.8s
2075:	learn: 47.0185029	total: 7.29s	remaining: 27.8s
2076:	learn: 47.0064951	total: 7.29s	remaining: 27.8s
2077:	learn: 46.9914785	total: 7.3s	remaining: 27.8s
2078:	learn: 46.9852318	total: 7.3s	remaining: 27.8s
2079:	learn: 46.9765484	total: 7.3s	remaining: 27.8s
2080:	learn: 46.9659044	total: 7.31s	remaining: 27.8s
2081:	learn: 46.9606810	total: 7.31s	remaining: 27.8s
2082:	learn: 46.9569241	total: 7.31s	remaining: 27.8s
2083:	learn: 46.9518607	total: 7.32s	remaining: 27.8s
2084:	learn: 46.9398807	total: 7.32s	remaining: 27.8s
2085:	learn: 46.9339616	total: 7.32s	remaining: 27.8s
2086:	learn: 46.9249789	total: 7.33s	remaining: 27.8s
2087:	learn: 46.9152936	total: 7.33s	remaining: 27.8s
2088:	learn: 46.9115287	total: 7.33s	remaining: 27.8s
2089:	learn: 46.9037249	total: 7.34s	remaining: 27.8s
2090:	learn: 46.9002868	total: 7.34s	remaining: 27.8s
2091:	learn: 46.8938563	total: 7.34s	remaining: 27.8s
2092:	learn: 46.8809970	total: 7.35s	remaining: 27.8s
2093:	learn: 46.8761287	total: 7.35s	remaining: 27.8s
2094:	learn: 46.8694756	total: 7.36s	remaining: 27.8s
2095:	learn: 46.8619674	total: 7.36s	remaining: 27.8s
2096:	learn: 46.8534154	total: 7.36s	remaining: 27.7s
2097:	learn: 46.8468107	total: 7.37s	remaining: 27.7s
2098:	learn: 46.8406107	total: 7.37s	remaining: 27.7s
2099:	learn: 46.8308326	total: 7.37s	remaining: 27.7s
2100:	learn: 46.8164941	total: 7.38s	remaining: 27.7s
2101:	learn: 46.8071911	total: 7.38s	remaining: 27.7s
2102:	learn: 46.8029585	total: 7.38s	remaining: 27.7s
2103:	learn: 46.7934099	total: 7.39s	remaining: 27.7s
2104:	learn: 46.7837863	total: 7.39s	remaining: 27.7s
2105:	learn: 46.7776779	total: 7.39s	remaining: 27.7s
2106:	learn: 46.7668955	total: 7.4s	remaining: 27.7s
2107:	learn: 46.7493674	total: 7.4s	remaining: 27.7s
2108:	learn: 46.7381142	total: 7.4s	remaining: 27.7s
2109:	learn: 46.7291309	total: 7.41s	remaining: 27.7s
2110:	learn: 46.7221372	total: 7.41s	remaining: 27.7s
2111:	learn: 46.7124613	total: 7.41s	remaining: 27.7s
2112:	learn: 46.7056534	total: 7.42s	remaining: 27.7s
2113:	learn: 46.6986943	total: 7.42s	remaining: 27.7s
2114:	learn: 46.6899681	total: 7.42s	remaining: 27.7s
2115:	learn: 46.6823556	total: 7.43s	remaining: 27.7s
2116:	learn: 46.6705046	total: 7.43s	remaining: 27.7s
2117:	learn: 46.6549120	total: 7.43s	remaining: 27.7s
2118:	learn: 46.6485208	total: 7.44s	remaining: 27.7s
2119:	learn: 46.6391755	total: 7.44s	remaining: 27.7s
2120:	learn: 46.6279382	total: 7.45s	remaining: 27.7s
2121:	learn: 46.6266385	total: 7.45s	remaining: 27.7s
2122:	learn: 46.6178654	total: 7.45s	remaining: 27.7s
2123:	learn: 46.6055514	total: 7.46s	remaining: 27.6s
2124:	learn: 46.6031142	total: 7.46s	remaining: 27.6s
2125:	learn: 46.5929424	total: 7.46s	remaining: 27.6s
2126:	learn: 46.5877749	total: 7.47s	remaining: 27.6s
2127:	learn: 46.5822898	total: 7.47s	remaining: 27.6s
2128:	learn: 46.5769085	total: 7.47s	remaining: 27.6s
2129:	learn: 46.5718280	total: 7.48s	remaining: 27.6s
2130:	learn: 46.5611285	total: 7.48s	remaining: 27.6s
2131:	learn: 46.5536288	total: 7.48s	remaining: 27.6s
2132:	learn: 46.5504624	total: 7.49s	remaining: 27.6s
2133:	learn: 46.5450470	total: 7.49s	remaining: 27.6s
2134:	learn: 46.5320023	total: 7.49s	remaining: 27.6s
2135:	learn: 46.5231144	total: 7.5s	remaining: 27.6s
2136:	learn: 46.5142206	total: 7.5s	remaining: 27.6s
2137:	learn: 46.5021466	total: 7.5s	remaining: 27.6s
2138:	learn: 46.4951980	total: 7.51s	remaining: 27.6s
2139:	learn: 46.4888987	total: 7.51s	remaining: 27.6s
2140:	learn: 46.4818246	total: 7.51s	remaining: 27.6s
2141:	learn: 46.4713685	total: 7.52s	remaining: 27.6s
2142:	learn: 46.4655186	total: 7.52s	remaining: 27.6s
2143:	learn: 46.4644295	total: 7.52s	remaining: 27.6s
2144:	learn: 46.4581295	total: 7.53s	remaining: 27.6s
2145:	learn: 46.4448157	total: 7.53s	remaining: 27.6s

2146: learn: 46.4373848 total: 7.53s remaining: 27.6s
2147: learn: 46.4286516 total: 7.54s remaining: 27.6s
2148: learn: 46.4172217 total: 7.54s remaining: 27.5s
2149: learn: 46.4133855 total: 7.54s remaining: 27.5s
2150: learn: 46.4030517 total: 7.55s remaining: 27.5s
2151: learn: 46.3949072 total: 7.55s remaining: 27.5s
2152: learn: 46.3942501 total: 7.55s remaining: 27.5s
2153: learn: 46.3810303 total: 7.56s remaining: 27.5s
2154: learn: 46.3695274 total: 7.56s remaining: 27.5s
2155: learn: 46.3632846 total: 7.56s remaining: 27.5s
2156: learn: 46.3518330 total: 7.57s remaining: 27.5s
2157: learn: 46.3480999 total: 7.57s remaining: 27.5s
2158: learn: 46.3369658 total: 7.57s remaining: 27.5s
2159: learn: 46.3311859 total: 7.58s remaining: 27.5s
2160: learn: 46.3229339 total: 7.58s remaining: 27.5s
2161: learn: 46.3167174 total: 7.58s remaining: 27.5s
2162: learn: 46.3127353 total: 7.59s remaining: 27.5s
2163: learn: 46.3040056 total: 7.59s remaining: 27.5s
2164: learn: 46.2895880 total: 7.59s remaining: 27.5s
2165: learn: 46.2737469 total: 7.6s remaining: 27.5s
2166: learn: 46.2676770 total: 7.6s remaining: 27.5s
2167: learn: 46.2608487 total: 7.6s remaining: 27.5s
2168: learn: 46.2485825 total: 7.61s remaining: 27.5s
2169: learn: 46.2409921 total: 7.61s remaining: 27.5s
2170: learn: 46.2316429 total: 7.61s remaining: 27.5s
2171: learn: 46.2198224 total: 7.62s remaining: 27.5s
2172: learn: 46.2133696 total: 7.62s remaining: 27.5s
2173: learn: 46.2005514 total: 7.63s remaining: 27.4s
2174: learn: 46.1936070 total: 7.63s remaining: 27.4s
2175: learn: 46.1797858 total: 7.63s remaining: 27.4s
2176: learn: 46.1734319 total: 7.63s remaining: 27.4s
2177: learn: 46.1673353 total: 7.64s remaining: 27.4s
2178: learn: 46.1587311 total: 7.64s remaining: 27.4s
2179: learn: 46.1491003 total: 7.64s remaining: 27.4s
2180: learn: 46.1410608 total: 7.65s remaining: 27.4s
2181: learn: 46.1292671 total: 7.65s remaining: 27.4s
2182: learn: 46.1289274 total: 7.65s remaining: 27.4s
2183: learn: 46.1212052 total: 7.66s remaining: 27.4s
2184: learn: 46.1207793 total: 7.66s remaining: 27.4s
2185: learn: 46.1149073 total: 7.66s remaining: 27.4s
2186: learn: 46.1039788 total: 7.67s remaining: 27.4s
2187: learn: 46.0970664 total: 7.67s remaining: 27.4s
2188: learn: 46.0904771 total: 7.67s remaining: 27.4s
2189: learn: 46.0811639 total: 7.68s remaining: 27.4s
2190: learn: 46.0726764 total: 7.68s remaining: 27.4s
2191: learn: 46.0672999 total: 7.68s remaining: 27.4s
2192: learn: 46.0603914 total: 7.69s remaining: 27.4s
2193: learn: 46.0499738 total: 7.69s remaining: 27.4s
2194: learn: 46.0427888 total: 7.69s remaining: 27.4s
2195: learn: 46.0383895 total: 7.7s remaining: 27.4s
2196: learn: 46.0279992 total: 7.7s remaining: 27.3s
2197: learn: 46.0147333 total: 7.7s remaining: 27.3s
2198: learn: 46.0057103 total: 7.71s remaining: 27.3s
2199: learn: 45.9963173 total: 7.71s remaining: 27.3s
2200: learn: 45.9916369 total: 7.71s remaining: 27.3s
2201: learn: 45.9875504 total: 7.72s remaining: 27.3s
2202: learn: 45.9827113 total: 7.72s remaining: 27.3s
2203: learn: 45.9705878 total: 7.72s remaining: 27.3s
2204: learn: 45.9647723 total: 7.73s remaining: 27.3s
2205: learn: 45.9526965 total: 7.73s remaining: 27.3s
2206: learn: 45.9400202 total: 7.73s remaining: 27.3s
2207: learn: 45.9305138 total: 7.74s remaining: 27.3s
2208: learn: 45.9192487 total: 7.74s remaining: 27.3s
2209: learn: 45.9071709 total: 7.74s remaining: 27.3s
2210: learn: 45.9008585 total: 7.75s remaining: 27.3s
2211: learn: 45.8968153 total: 7.75s remaining: 27.3s
2212: learn: 45.8864958 total: 7.75s remaining: 27.3s
2213: learn: 45.8847524 total: 7.76s remaining: 27.3s
2214: learn: 45.8753494 total: 7.76s remaining: 27.3s
2215: learn: 45.8703097 total: 7.76s remaining: 27.3s
2216: learn: 45.8571560 total: 7.77s remaining: 27.3s
2217: learn: 45.8442521 total: 7.77s remaining: 27.3s
2218: learn: 45.8378788 total: 7.77s remaining: 27.3s
2219: learn: 45.8239137 total: 7.78s remaining: 27.3s

2220:	learn: 45.8125624	total: 7.78s	remaining: 27.2s
2221:	learn: 45.8041684	total: 7.78s	remaining: 27.2s
2222:	learn: 45.8004413	total: 7.79s	remaining: 27.2s
2223:	learn: 45.7949341	total: 7.79s	remaining: 27.2s
2224:	learn: 45.7863873	total: 7.79s	remaining: 27.2s
2225:	learn: 45.7735876	total: 7.8s	remaining: 27.2s
2226:	learn: 45.7686619	total: 7.8s	remaining: 27.2s
2227:	learn: 45.7591748	total: 7.8s	remaining: 27.2s
2228:	learn: 45.7582950	total: 7.81s	remaining: 27.2s
2229:	learn: 45.7467203	total: 7.81s	remaining: 27.2s
2230:	learn: 45.7430722	total: 7.81s	remaining: 27.2s
2231:	learn: 45.7333178	total: 7.82s	remaining: 27.2s
2232:	learn: 45.7308398	total: 7.82s	remaining: 27.2s
2233:	learn: 45.7263426	total: 7.82s	remaining: 27.2s
2234:	learn: 45.7183132	total: 7.83s	remaining: 27.2s
2235:	learn: 45.7084275	total: 7.83s	remaining: 27.2s
2236:	learn: 45.6980137	total: 7.83s	remaining: 27.2s
2237:	learn: 45.6903126	total: 7.84s	remaining: 27.2s
2238:	learn: 45.6789643	total: 7.84s	remaining: 27.2s
2239:	learn: 45.6709198	total: 7.84s	remaining: 27.2s
2240:	learn: 45.6604069	total: 7.85s	remaining: 27.2s
2241:	learn: 45.6471266	total: 7.85s	remaining: 27.2s
2242:	learn: 45.6357638	total: 7.85s	remaining: 27.2s
2243:	learn: 45.6210489	total: 7.86s	remaining: 27.2s
2244:	learn: 45.6199911	total: 7.86s	remaining: 27.1s
2245:	learn: 45.6114463	total: 7.86s	remaining: 27.1s
2246:	learn: 45.5999396	total: 7.87s	remaining: 27.1s
2247:	learn: 45.5917065	total: 7.87s	remaining: 27.1s
2248:	learn: 45.5816078	total: 7.87s	remaining: 27.1s
2249:	learn: 45.5793919	total: 7.88s	remaining: 27.1s
2250:	learn: 45.5743024	total: 7.88s	remaining: 27.1s
2251:	learn: 45.5657480	total: 7.88s	remaining: 27.1s
2252:	learn: 45.5601299	total: 7.89s	remaining: 27.1s
2253:	learn: 45.5599225	total: 7.89s	remaining: 27.1s
2254:	learn: 45.5496359	total: 7.89s	remaining: 27.1s
2255:	learn: 45.5435773	total: 7.9s	remaining: 27.1s
2256:	learn: 45.5355484	total: 7.9s	remaining: 27.1s
2257:	learn: 45.5263346	total: 7.9s	remaining: 27.1s
2258:	learn: 45.5173811	total: 7.91s	remaining: 27.1s
2259:	learn: 45.5118941	total: 7.91s	remaining: 27.1s
2260:	learn: 45.5116332	total: 7.91s	remaining: 27.1s
2261:	learn: 45.5062190	total: 7.92s	remaining: 27.1s
2262:	learn: 45.4985324	total: 7.92s	remaining: 27.1s
2263:	learn: 45.4944983	total: 7.92s	remaining: 27.1s
2264:	learn: 45.4942896	total: 7.92s	remaining: 27.1s
2265:	learn: 45.4879266	total: 7.93s	remaining: 27.1s
2266:	learn: 45.4754747	total: 7.93s	remaining: 27.1s
2267:	learn: 45.4651245	total: 7.93s	remaining: 27.1s
2268:	learn: 45.4528474	total: 7.94s	remaining: 27s
2269:	learn: 45.4441871	total: 7.94s	remaining: 27s
2270:	learn: 45.4381179	total: 7.95s	remaining: 27s
2271:	learn: 45.4265413	total: 7.95s	remaining: 27s
2272:	learn: 45.4216265	total: 7.95s	remaining: 27s
2273:	learn: 45.4142636	total: 7.96s	remaining: 27s
2274:	learn: 45.4047744	total: 7.96s	remaining: 27s
2275:	learn: 45.3974263	total: 7.96s	remaining: 27s
2276:	learn: 45.3880326	total: 7.96s	remaining: 27s
2277:	learn: 45.3780316	total: 7.97s	remaining: 27s
2278:	learn: 45.3657564	total: 7.97s	remaining: 27s
2279:	learn: 45.3540025	total: 7.97s	remaining: 27s
2280:	learn: 45.3444558	total: 7.98s	remaining: 27s
2281:	learn: 45.3356110	total: 7.98s	remaining: 27s
2282:	learn: 45.3272481	total: 7.99s	remaining: 27s
2283:	learn: 45.3220689	total: 7.99s	remaining: 27s
2284:	learn: 45.3142928	total: 7.99s	remaining: 27s
2285:	learn: 45.3065538	total: 8s	remaining: 27s
2286:	learn: 45.3006966	total: 8s	remaining: 27s
2287:	learn: 45.2962969	total: 8s	remaining: 27s
2288:	learn: 45.2830276	total: 8.01s	remaining: 27s
2289:	learn: 45.2789337	total: 8.01s	remaining: 27s
2290:	learn: 45.2669229	total: 8.01s	remaining: 27s
2291:	learn: 45.2658411	total: 8.02s	remaining: 27s
2292:	learn: 45.2555616	total: 8.02s	remaining: 27s
2293:	learn: 45.2446020	total: 8.02s	remaining: 26.9s

2294:	learn: 45.2406959	total: 8.03s	remaining: 26.9s
2295:	learn: 45.2308376	total: 8.03s	remaining: 26.9s
2296:	learn: 45.2299183	total: 8.03s	remaining: 26.9s
2297:	learn: 45.2176180	total: 8.03s	remaining: 26.9s
2298:	learn: 45.2009791	total: 8.04s	remaining: 26.9s
2299:	learn: 45.1924246	total: 8.04s	remaining: 26.9s
2300:	learn: 45.1854630	total: 8.04s	remaining: 26.9s
2301:	learn: 45.1772205	total: 8.05s	remaining: 26.9s
2302:	learn: 45.1676293	total: 8.05s	remaining: 26.9s
2303:	learn: 45.1567817	total: 8.05s	remaining: 26.9s
2304:	learn: 45.1461431	total: 8.06s	remaining: 26.9s
2305:	learn: 45.1406575	total: 8.06s	remaining: 26.9s
2306:	learn: 45.1331097	total: 8.06s	remaining: 26.9s
2307:	learn: 45.1241708	total: 8.07s	remaining: 26.9s
2308:	learn: 45.1208304	total: 8.07s	remaining: 26.9s
2309:	learn: 45.1115332	total: 8.07s	remaining: 26.9s
2310:	learn: 45.1002682	total: 8.08s	remaining: 26.9s
2311:	learn: 45.0871384	total: 8.08s	remaining: 26.9s
2312:	learn: 45.0788871	total: 8.08s	remaining: 26.9s
2313:	learn: 45.0716130	total: 8.09s	remaining: 26.9s
2314:	learn: 45.0600558	total: 8.09s	remaining: 26.9s
2315:	learn: 45.0525715	total: 8.09s	remaining: 26.9s
2316:	learn: 45.0463082	total: 8.1s	remaining: 26.9s
2317:	learn: 45.0424972	total: 8.1s	remaining: 26.8s
2318:	learn: 45.0316791	total: 8.1s	remaining: 26.8s
2319:	learn: 45.0263854	total: 8.11s	remaining: 26.8s
2320:	learn: 45.0139565	total: 8.11s	remaining: 26.8s
2321:	learn: 45.0049795	total: 8.12s	remaining: 26.8s
2322:	learn: 44.9964133	total: 8.12s	remaining: 26.8s
2323:	learn: 44.9925520	total: 8.12s	remaining: 26.8s
2324:	learn: 44.9820411	total: 8.13s	remaining: 26.8s
2325:	learn: 44.9739401	total: 8.13s	remaining: 26.8s
2326:	learn: 44.9650786	total: 8.13s	remaining: 26.8s
2327:	learn: 44.9562074	total: 8.13s	remaining: 26.8s
2328:	learn: 44.9526489	total: 8.14s	remaining: 26.8s
2329:	learn: 44.9475073	total: 8.14s	remaining: 26.8s
2330:	learn: 44.9353924	total: 8.14s	remaining: 26.8s
2331:	learn: 44.9246635	total: 8.15s	remaining: 26.8s
2332:	learn: 44.9179404	total: 8.15s	remaining: 26.8s
2333:	learn: 44.9136243	total: 8.15s	remaining: 26.8s
2334:	learn: 44.9068804	total: 8.16s	remaining: 26.8s
2335:	learn: 44.8978081	total: 8.16s	remaining: 26.8s
2336:	learn: 44.8876927	total: 8.16s	remaining: 26.8s
2337:	learn: 44.8798472	total: 8.17s	remaining: 26.8s
2338:	learn: 44.8717223	total: 8.17s	remaining: 26.8s
2339:	learn: 44.8604125	total: 8.17s	remaining: 26.8s
2340:	learn: 44.8529994	total: 8.18s	remaining: 26.8s
2341:	learn: 44.8431355	total: 8.18s	remaining: 26.8s
2342:	learn: 44.8353902	total: 8.18s	remaining: 26.7s
2343:	learn: 44.8279624	total: 8.19s	remaining: 26.7s
2344:	learn: 44.8201544	total: 8.19s	remaining: 26.7s
2345:	learn: 44.8143762	total: 8.19s	remaining: 26.7s
2346:	learn: 44.8076483	total: 8.2s	remaining: 26.7s
2347:	learn: 44.7984558	total: 8.2s	remaining: 26.7s
2348:	learn: 44.7955197	total: 8.2s	remaining: 26.7s
2349:	learn: 44.7867839	total: 8.21s	remaining: 26.7s
2350:	learn: 44.7767387	total: 8.21s	remaining: 26.7s
2351:	learn: 44.7741720	total: 8.21s	remaining: 26.7s
2352:	learn: 44.7739702	total: 8.22s	remaining: 26.7s
2353:	learn: 44.7626774	total: 8.22s	remaining: 26.7s
2354:	learn: 44.7517576	total: 8.22s	remaining: 26.7s
2355:	learn: 44.7515286	total: 8.23s	remaining: 26.7s
2356:	learn: 44.7512844	total: 8.23s	remaining: 26.7s
2357:	learn: 44.7509859	total: 8.23s	remaining: 26.7s
2358:	learn: 44.7477519	total: 8.24s	remaining: 26.7s
2359:	learn: 44.7405491	total: 8.24s	remaining: 26.7s
2360:	learn: 44.7315601	total: 8.24s	remaining: 26.7s
2361:	learn: 44.7197375	total: 8.25s	remaining: 26.7s
2362:	learn: 44.7143333	total: 8.25s	remaining: 26.7s
2363:	learn: 44.7042639	total: 8.25s	remaining: 26.7s
2364:	learn: 44.6957773	total: 8.26s	remaining: 26.7s
2365:	learn: 44.6916827	total: 8.26s	remaining: 26.7s
2366:	learn: 44.6807713	total: 8.26s	remaining: 26.6s
2367:	learn: 44.6670133	total: 8.27s	remaining: 26.6s

2368:	learn: 44.6651817	total: 8.27s	remaining: 26.6s
2369:	learn: 44.6524067	total: 8.27s	remaining: 26.6s
2370:	learn: 44.6465781	total: 8.28s	remaining: 26.6s
2371:	learn: 44.6381354	total: 8.28s	remaining: 26.6s
2372:	learn: 44.6338557	total: 8.28s	remaining: 26.6s
2373:	learn: 44.6242274	total: 8.29s	remaining: 26.6s
2374:	learn: 44.6126978	total: 8.29s	remaining: 26.6s
2375:	learn: 44.6107615	total: 8.29s	remaining: 26.6s
2376:	learn: 44.5977667	total: 8.3s	remaining: 26.6s
2377:	learn: 44.5853881	total: 8.3s	remaining: 26.6s
2378:	learn: 44.5775055	total: 8.3s	remaining: 26.6s
2379:	learn: 44.5672825	total: 8.31s	remaining: 26.6s
2380:	learn: 44.5645575	total: 8.31s	remaining: 26.6s
2381:	learn: 44.5570228	total: 8.31s	remaining: 26.6s
2382:	learn: 44.5557124	total: 8.32s	remaining: 26.6s
2383:	learn: 44.5529313	total: 8.32s	remaining: 26.6s
2384:	learn: 44.5440634	total: 8.32s	remaining: 26.6s
2385:	learn: 44.5301988	total: 8.33s	remaining: 26.6s
2386:	learn: 44.5230078	total: 8.33s	remaining: 26.6s
2387:	learn: 44.5222793	total: 8.33s	remaining: 26.6s
2388:	learn: 44.5153900	total: 8.34s	remaining: 26.6s
2389:	learn: 44.5101729	total: 8.34s	remaining: 26.6s
2390:	learn: 44.4998789	total: 8.34s	remaining: 26.6s
2391:	learn: 44.4920069	total: 8.35s	remaining: 26.5s
2392:	learn: 44.4841591	total: 8.35s	remaining: 26.5s
2393:	learn: 44.4767577	total: 8.35s	remaining: 26.5s
2394:	learn: 44.4673774	total: 8.36s	remaining: 26.5s
2395:	learn: 44.4584657	total: 8.36s	remaining: 26.5s
2396:	learn: 44.4502015	total: 8.36s	remaining: 26.5s
2397:	learn: 44.4460378	total: 8.37s	remaining: 26.5s
2398:	learn: 44.4362814	total: 8.37s	remaining: 26.5s
2399:	learn: 44.4258676	total: 8.37s	remaining: 26.5s
2400:	learn: 44.4154302	total: 8.38s	remaining: 26.5s
2401:	learn: 44.4105464	total: 8.38s	remaining: 26.5s
2402:	learn: 44.4079276	total: 8.38s	remaining: 26.5s
2403:	learn: 44.3990648	total: 8.39s	remaining: 26.5s
2404:	learn: 44.3900750	total: 8.39s	remaining: 26.5s
2405:	learn: 44.3828186	total: 8.39s	remaining: 26.5s
2406:	learn: 44.3823003	total: 8.4s	remaining: 26.5s
2407:	learn: 44.3792779	total: 8.4s	remaining: 26.5s
2408:	learn: 44.3791324	total: 8.4s	remaining: 26.5s
2409:	learn: 44.3789888	total: 8.41s	remaining: 26.5s
2410:	learn: 44.3742768	total: 8.41s	remaining: 26.5s
2411:	learn: 44.3668309	total: 8.41s	remaining: 26.5s
2412:	learn: 44.3593930	total: 8.42s	remaining: 26.5s
2413:	learn: 44.3510367	total: 8.42s	remaining: 26.5s
2414:	learn: 44.3421896	total: 8.42s	remaining: 26.5s
2415:	learn: 44.3312570	total: 8.43s	remaining: 26.5s
2416:	learn: 44.3218113	total: 8.43s	remaining: 26.4s
2417:	learn: 44.3138678	total: 8.43s	remaining: 26.4s
2418:	learn: 44.3055175	total: 8.44s	remaining: 26.4s
2419:	learn: 44.3026673	total: 8.44s	remaining: 26.4s
2420:	learn: 44.2920132	total: 8.44s	remaining: 26.4s
2421:	learn: 44.2839754	total: 8.45s	remaining: 26.4s
2422:	learn: 44.2749296	total: 8.45s	remaining: 26.4s
2423:	learn: 44.2668891	total: 8.45s	remaining: 26.4s
2424:	learn: 44.2604267	total: 8.46s	remaining: 26.4s
2425:	learn: 44.2520178	total: 8.46s	remaining: 26.4s
2426:	learn: 44.2448345	total: 8.46s	remaining: 26.4s
2427:	learn: 44.2381335	total: 8.47s	remaining: 26.4s
2428:	learn: 44.2289565	total: 8.47s	remaining: 26.4s
2429:	learn: 44.2223851	total: 8.47s	remaining: 26.4s
2430:	learn: 44.2143841	total: 8.48s	remaining: 26.4s
2431:	learn: 44.2035687	total: 8.48s	remaining: 26.4s
2432:	learn: 44.1967870	total: 8.48s	remaining: 26.4s
2433:	learn: 44.1860129	total: 8.49s	remaining: 26.4s
2434:	learn: 44.1747199	total: 8.49s	remaining: 26.4s
2435:	learn: 44.1684905	total: 8.49s	remaining: 26.4s
2436:	learn: 44.1628650	total: 8.5s	remaining: 26.4s
2437:	learn: 44.1559143	total: 8.5s	remaining: 26.4s
2438:	learn: 44.1548502	total: 8.51s	remaining: 26.4s
2439:	learn: 44.1466337	total: 8.51s	remaining: 26.4s
2440:	learn: 44.1381004	total: 8.51s	remaining: 26.4s
2441:	learn: 44.1347961	total: 8.52s	remaining: 26.4s

2442:	learn: 44.1272821	total: 8.52s	remaining: 26.4s
2443:	learn: 44.1201399	total: 8.52s	remaining: 26.4s
2444:	learn: 44.1110388	total: 8.53s	remaining: 26.3s
2445:	learn: 44.1085663	total: 8.53s	remaining: 26.3s
2446:	learn: 44.1024416	total: 8.53s	remaining: 26.3s
2447:	learn: 44.0879094	total: 8.54s	remaining: 26.3s
2448:	learn: 44.0780848	total: 8.54s	remaining: 26.3s
2449:	learn: 44.0708577	total: 8.54s	remaining: 26.3s
2450:	learn: 44.0613729	total: 8.55s	remaining: 26.3s
2451:	learn: 44.0509364	total: 8.55s	remaining: 26.3s
2452:	learn: 44.0429674	total: 8.55s	remaining: 26.3s
2453:	learn: 44.0405958	total: 8.56s	remaining: 26.3s
2454:	learn: 44.0322696	total: 8.56s	remaining: 26.3s
2455:	learn: 44.0253055	total: 8.56s	remaining: 26.3s
2456:	learn: 44.0174833	total: 8.57s	remaining: 26.3s
2457:	learn: 44.0032263	total: 8.57s	remaining: 26.3s
2458:	learn: 43.9945789	total: 8.57s	remaining: 26.3s
2459:	learn: 43.9931211	total: 8.58s	remaining: 26.3s
2460:	learn: 43.9885595	total: 8.58s	remaining: 26.3s
2461:	learn: 43.9825051	total: 8.58s	remaining: 26.3s
2462:	learn: 43.9744292	total: 8.59s	remaining: 26.3s
2463:	learn: 43.9652319	total: 8.59s	remaining: 26.3s
2464:	learn: 43.9558329	total: 8.59s	remaining: 26.3s
2465:	learn: 43.9488463	total: 8.6s	remaining: 26.3s
2466:	learn: 43.9378019	total: 8.6s	remaining: 26.3s
2467:	learn: 43.9309809	total: 8.6s	remaining: 26.3s
2468:	learn: 43.9232524	total: 8.61s	remaining: 26.3s
2469:	learn: 43.9176560	total: 8.61s	remaining: 26.3s
2470:	learn: 43.9097237	total: 8.61s	remaining: 26.2s
2471:	learn: 43.9023961	total: 8.62s	remaining: 26.2s
2472:	learn: 43.8919127	total: 8.62s	remaining: 26.2s
2473:	learn: 43.8818581	total: 8.62s	remaining: 26.2s
2474:	learn: 43.8758701	total: 8.63s	remaining: 26.2s
2475:	learn: 43.8673343	total: 8.63s	remaining: 26.2s
2476:	learn: 43.8578361	total: 8.63s	remaining: 26.2s
2477:	learn: 43.8517827	total: 8.64s	remaining: 26.2s
2478:	learn: 43.8411294	total: 8.64s	remaining: 26.2s
2479:	learn: 43.8373893	total: 8.64s	remaining: 26.2s
2480:	learn: 43.8294188	total: 8.65s	remaining: 26.2s
2481:	learn: 43.8249311	total: 8.65s	remaining: 26.2s
2482:	learn: 43.8180705	total: 8.65s	remaining: 26.2s
2483:	learn: 43.8083774	total: 8.66s	remaining: 26.2s
2484:	learn: 43.8032142	total: 8.66s	remaining: 26.2s
2485:	learn: 43.7962402	total: 8.66s	remaining: 26.2s
2486:	learn: 43.7928356	total: 8.67s	remaining: 26.2s
2487:	learn: 43.7875703	total: 8.67s	remaining: 26.2s
2488:	learn: 43.7796412	total: 8.67s	remaining: 26.2s
2489:	learn: 43.7678604	total: 8.68s	remaining: 26.2s
2490:	learn: 43.7592175	total: 8.68s	remaining: 26.2s
2491:	learn: 43.7557818	total: 8.68s	remaining: 26.2s
2492:	learn: 43.7464444	total: 8.69s	remaining: 26.2s
2493:	learn: 43.7391800	total: 8.69s	remaining: 26.2s
2494:	learn: 43.7302180	total: 8.69s	remaining: 26.2s
2495:	learn: 43.7216758	total: 8.7s	remaining: 26.1s
2496:	learn: 43.7161832	total: 8.7s	remaining: 26.1s
2497:	learn: 43.7111464	total: 8.7s	remaining: 26.1s
2498:	learn: 43.7093214	total: 8.71s	remaining: 26.1s
2499:	learn: 43.7034014	total: 8.71s	remaining: 26.1s
2500:	learn: 43.6917515	total: 8.71s	remaining: 26.1s
2501:	learn: 43.6856576	total: 8.72s	remaining: 26.1s
2502:	learn: 43.6781805	total: 8.72s	remaining: 26.1s
2503:	learn: 43.6724209	total: 8.72s	remaining: 26.1s
2504:	learn: 43.6664705	total: 8.73s	remaining: 26.1s
2505:	learn: 43.6629345	total: 8.73s	remaining: 26.1s
2506:	learn: 43.6554795	total: 8.73s	remaining: 26.1s
2507:	learn: 43.6500236	total: 8.74s	remaining: 26.1s
2508:	learn: 43.6426367	total: 8.74s	remaining: 26.1s
2509:	learn: 43.6335221	total: 8.74s	remaining: 26.1s
2510:	learn: 43.6240941	total: 8.75s	remaining: 26.1s
2511:	learn: 43.6161793	total: 8.75s	remaining: 26.1s
2512:	learn: 43.6052311	total: 8.75s	remaining: 26.1s
2513:	learn: 43.5953034	total: 8.76s	remaining: 26.1s
2514:	learn: 43.5899059	total: 8.76s	remaining: 26.1s
2515:	learn: 43.5799607	total: 8.76s	remaining: 26.1s

2516:	learn: 43.5712198	total: 8.77s	remaining: 26.1s
2517:	learn: 43.5593341	total: 8.77s	remaining: 26.1s
2518:	learn: 43.5534241	total: 8.77s	remaining: 26.1s
2519:	learn: 43.5491527	total: 8.78s	remaining: 26.1s
2520:	learn: 43.5421216	total: 8.78s	remaining: 26.1s
2521:	learn: 43.5337757	total: 8.78s	remaining: 26s
2522:	learn: 43.5273644	total: 8.79s	remaining: 26s
2523:	learn: 43.5198442	total: 8.79s	remaining: 26s
2524:	learn: 43.5139747	total: 8.79s	remaining: 26s
2525:	learn: 43.5097820	total: 8.8s	remaining: 26s
2526:	learn: 43.5032382	total: 8.8s	remaining: 26s
2527:	learn: 43.4968446	total: 8.8s	remaining: 26s
2528:	learn: 43.4932300	total: 8.81s	remaining: 26s
2529:	learn: 43.4804796	total: 8.81s	remaining: 26s
2530:	learn: 43.4739486	total: 8.81s	remaining: 26s
2531:	learn: 43.4694741	total: 8.82s	remaining: 26s
2532:	learn: 43.4639774	total: 8.82s	remaining: 26s
2533:	learn: 43.4604881	total: 8.82s	remaining: 26s
2534:	learn: 43.4545715	total: 8.83s	remaining: 26s
2535:	learn: 43.4528184	total: 8.83s	remaining: 26s
2536:	learn: 43.4477038	total: 8.83s	remaining: 26s
2537:	learn: 43.4410490	total: 8.84s	remaining: 26s
2538:	learn: 43.4303135	total: 8.84s	remaining: 26s
2539:	learn: 43.4258361	total: 8.84s	remaining: 26s
2540:	learn: 43.4147430	total: 8.85s	remaining: 26s
2541:	learn: 43.4057473	total: 8.85s	remaining: 26s
2542:	learn: 43.3942249	total: 8.85s	remaining: 26s
2543:	learn: 43.3895274	total: 8.86s	remaining: 26s
2544:	learn: 43.3845478	total: 8.86s	remaining: 26s
2545:	learn: 43.3778850	total: 8.86s	remaining: 26s
2546:	learn: 43.3728274	total: 8.87s	remaining: 25.9s
2547:	learn: 43.3677321	total: 8.87s	remaining: 25.9s
2548:	learn: 43.3613448	total: 8.87s	remaining: 25.9s
2549:	learn: 43.3558940	total: 8.88s	remaining: 25.9s
2550:	learn: 43.3513318	total: 8.88s	remaining: 25.9s
2551:	learn: 43.3467256	total: 8.88s	remaining: 25.9s
2552:	learn: 43.3390040	total: 8.89s	remaining: 25.9s
2553:	learn: 43.3298740	total: 8.89s	remaining: 25.9s
2554:	learn: 43.3237001	total: 8.89s	remaining: 25.9s
2555:	learn: 43.3208393	total: 8.9s	remaining: 25.9s
2556:	learn: 43.3186757	total: 8.9s	remaining: 25.9s
2557:	learn: 43.3100115	total: 8.9s	remaining: 25.9s
2558:	learn: 43.3038810	total: 8.91s	remaining: 25.9s
2559:	learn: 43.2986617	total: 8.91s	remaining: 25.9s
2560:	learn: 43.2867669	total: 8.91s	remaining: 25.9s
2561:	learn: 43.2828382	total: 8.92s	remaining: 25.9s
2562:	learn: 43.2731875	total: 8.92s	remaining: 25.9s
2563:	learn: 43.2643730	total: 8.92s	remaining: 25.9s
2564:	learn: 43.2627529	total: 8.93s	remaining: 25.9s
2565:	learn: 43.2549427	total: 8.93s	remaining: 25.9s
2566:	learn: 43.2484358	total: 8.93s	remaining: 25.9s
2567:	learn: 43.2433482	total: 8.94s	remaining: 25.9s
2568:	learn: 43.2388574	total: 8.94s	remaining: 25.9s
2569:	learn: 43.2341389	total: 8.94s	remaining: 25.9s
2570:	learn: 43.2283759	total: 8.95s	remaining: 25.9s
2571:	learn: 43.2231985	total: 8.95s	remaining: 25.9s
2572:	learn: 43.2125621	total: 8.95s	remaining: 25.8s
2573:	learn: 43.2019833	total: 8.96s	remaining: 25.8s
2574:	learn: 43.1961728	total: 8.96s	remaining: 25.8s
2575:	learn: 43.1886317	total: 8.96s	remaining: 25.8s
2576:	learn: 43.1796000	total: 8.97s	remaining: 25.8s
2577:	learn: 43.1767347	total: 8.97s	remaining: 25.8s
2578:	learn: 43.1657766	total: 8.97s	remaining: 25.8s
2579:	learn: 43.1614719	total: 8.98s	remaining: 25.8s
2580:	learn: 43.1509677	total: 8.98s	remaining: 25.8s
2581:	learn: 43.1498242	total: 8.98s	remaining: 25.8s
2582:	learn: 43.1392421	total: 8.99s	remaining: 25.8s
2583:	learn: 43.1271305	total: 8.99s	remaining: 25.8s
2584:	learn: 43.1230434	total: 8.99s	remaining: 25.8s
2585:	learn: 43.1214064	total: 9s	remaining: 25.8s
2586:	learn: 43.1124890	total: 9s	remaining: 25.8s
2587:	learn: 43.1049726	total: 9s	remaining: 25.8s
2588:	learn: 43.1003023	total: 9.01s	remaining: 25.8s
2589:	learn: 43.0960508	total: 9.01s	remaining: 25.8s

2590:	learn: 43.0892327	total: 9.01s	remaining: 25.8s
2591:	learn: 43.0820369	total: 9.02s	remaining: 25.8s
2592:	learn: 43.0749359	total: 9.02s	remaining: 25.8s
2593:	learn: 43.0663788	total: 9.02s	remaining: 25.8s
2594:	learn: 43.0584064	total: 9.03s	remaining: 25.8s
2595:	learn: 43.0521381	total: 9.03s	remaining: 25.8s
2596:	learn: 43.0508192	total: 9.03s	remaining: 25.8s
2597:	learn: 43.0444664	total: 9.04s	remaining: 25.7s
2598:	learn: 43.0374343	total: 9.04s	remaining: 25.7s
2599:	learn: 43.0289074	total: 9.04s	remaining: 25.7s
2600:	learn: 43.0198879	total: 9.05s	remaining: 25.7s
2601:	learn: 43.0138465	total: 9.05s	remaining: 25.7s
2602:	learn: 43.0082250	total: 9.05s	remaining: 25.7s
2603:	learn: 43.0033181	total: 9.06s	remaining: 25.7s
2604:	learn: 42.9990537	total: 9.06s	remaining: 25.7s
2605:	learn: 42.9942356	total: 9.06s	remaining: 25.7s
2606:	learn: 42.9912980	total: 9.07s	remaining: 25.7s
2607:	learn: 42.9831050	total: 9.07s	remaining: 25.7s
2608:	learn: 42.9752685	total: 9.07s	remaining: 25.7s
2609:	learn: 42.9670351	total: 9.08s	remaining: 25.7s
2610:	learn: 42.9603910	total: 9.08s	remaining: 25.7s
2611:	learn: 42.9543375	total: 9.08s	remaining: 25.7s
2612:	learn: 42.9451538	total: 9.09s	remaining: 25.7s
2613:	learn: 42.9375172	total: 9.09s	remaining: 25.7s
2614:	learn: 42.9317496	total: 9.1s	remaining: 25.7s
2615:	learn: 42.9272187	total: 9.1s	remaining: 25.7s
2616:	learn: 42.9186863	total: 9.1s	remaining: 25.7s
2617:	learn: 42.9052708	total: 9.11s	remaining: 25.7s
2618:	learn: 42.8972716	total: 9.11s	remaining: 25.7s
2619:	learn: 42.8917949	total: 9.11s	remaining: 25.7s
2620:	learn: 42.8852444	total: 9.12s	remaining: 25.7s
2621:	learn: 42.8763799	total: 9.12s	remaining: 25.7s
2622:	learn: 42.8684131	total: 9.12s	remaining: 25.7s
2623:	learn: 42.8594661	total: 9.13s	remaining: 25.6s
2624:	learn: 42.8584453	total: 9.13s	remaining: 25.6s
2625:	learn: 42.8491942	total: 9.13s	remaining: 25.6s
2626:	learn: 42.8421897	total: 9.13s	remaining: 25.6s
2627:	learn: 42.8340322	total: 9.14s	remaining: 25.6s
2628:	learn: 42.8261784	total: 9.14s	remaining: 25.6s
2629:	learn: 42.8164428	total: 9.14s	remaining: 25.6s
2630:	learn: 42.8127406	total: 9.15s	remaining: 25.6s
2631:	learn: 42.8027211	total: 9.15s	remaining: 25.6s
2632:	learn: 42.7932453	total: 9.15s	remaining: 25.6s
2633:	learn: 42.7880184	total: 9.16s	remaining: 25.6s
2634:	learn: 42.7792785	total: 9.16s	remaining: 25.6s
2635:	learn: 42.7776641	total: 9.16s	remaining: 25.6s
2636:	learn: 42.7680787	total: 9.17s	remaining: 25.6s
2637:	learn: 42.7590047	total: 9.17s	remaining: 25.6s
2638:	learn: 42.7513601	total: 9.18s	remaining: 25.6s
2639:	learn: 42.7439374	total: 9.18s	remaining: 25.6s
2640:	learn: 42.7388648	total: 9.18s	remaining: 25.6s
2641:	learn: 42.7331806	total: 9.19s	remaining: 25.6s
2642:	learn: 42.7269567	total: 9.19s	remaining: 25.6s
2643:	learn: 42.7198351	total: 9.19s	remaining: 25.6s
2644:	learn: 42.7118438	total: 9.2s	remaining: 25.6s
2645:	learn: 42.7030073	total: 9.2s	remaining: 25.6s
2646:	learn: 42.6961191	total: 9.2s	remaining: 25.6s
2647:	learn: 42.6871620	total: 9.21s	remaining: 25.6s
2648:	learn: 42.6786892	total: 9.21s	remaining: 25.6s
2649:	learn: 42.6731998	total: 9.21s	remaining: 25.6s
2650:	learn: 42.6613815	total: 9.22s	remaining: 25.5s
2651:	learn: 42.6555555	total: 9.22s	remaining: 25.5s
2652:	learn: 42.6468506	total: 9.22s	remaining: 25.5s
2653:	learn: 42.6344603	total: 9.23s	remaining: 25.5s
2654:	learn: 42.6269796	total: 9.23s	remaining: 25.5s
2655:	learn: 42.6176801	total: 9.23s	remaining: 25.5s
2656:	learn: 42.6131779	total: 9.24s	remaining: 25.5s
2657:	learn: 42.6091950	total: 9.24s	remaining: 25.5s
2658:	learn: 42.6044783	total: 9.24s	remaining: 25.5s
2659:	learn: 42.5984803	total: 9.24s	remaining: 25.5s
2660:	learn: 42.5909069	total: 9.25s	remaining: 25.5s
2661:	learn: 42.5879335	total: 9.25s	remaining: 25.5s
2662:	learn: 42.5843842	total: 9.26s	remaining: 25.5s
2663:	learn: 42.5768714	total: 9.26s	remaining: 25.5s

2664:	learn: 42.5729393	total: 9.26s	remaining: 25.5s
2665:	learn: 42.5647069	total: 9.27s	remaining: 25.5s
2666:	learn: 42.5641649	total: 9.27s	remaining: 25.5s
2667:	learn: 42.5579076	total: 9.27s	remaining: 25.5s
2668:	learn: 42.5574168	total: 9.28s	remaining: 25.5s
2669:	learn: 42.5510880	total: 9.28s	remaining: 25.5s
2670:	learn: 42.5391736	total: 9.28s	remaining: 25.5s
2671:	learn: 42.5342786	total: 9.29s	remaining: 25.5s
2672:	learn: 42.5243954	total: 9.29s	remaining: 25.5s
2673:	learn: 42.5194829	total: 9.29s	remaining: 25.5s
2674:	learn: 42.5118280	total: 9.3s	remaining: 25.5s
2675:	learn: 42.5019489	total: 9.3s	remaining: 25.5s
2676:	learn: 42.4968279	total: 9.3s	remaining: 25.4s
2677:	learn: 42.4872691	total: 9.31s	remaining: 25.4s
2678:	learn: 42.4824393	total: 9.31s	remaining: 25.4s
2679:	learn: 42.4758285	total: 9.31s	remaining: 25.4s
2680:	learn: 42.4683998	total: 9.32s	remaining: 25.4s
2681:	learn: 42.4637711	total: 9.32s	remaining: 25.4s
2682:	learn: 42.4590060	total: 9.32s	remaining: 25.4s
2683:	learn: 42.4497874	total: 9.33s	remaining: 25.4s
2684:	learn: 42.4404812	total: 9.33s	remaining: 25.4s
2685:	learn: 42.4320829	total: 9.33s	remaining: 25.4s
2686:	learn: 42.4217573	total: 9.34s	remaining: 25.4s
2687:	learn: 42.4157041	total: 9.34s	remaining: 25.4s
2688:	learn: 42.4046774	total: 9.34s	remaining: 25.4s
2689:	learn: 42.3972923	total: 9.35s	remaining: 25.4s
2690:	learn: 42.3926843	total: 9.35s	remaining: 25.4s
2691:	learn: 42.3827482	total: 9.35s	remaining: 25.4s
2692:	learn: 42.3774020	total: 9.36s	remaining: 25.4s
2693:	learn: 42.3713450	total: 9.36s	remaining: 25.4s
2694:	learn: 42.3664134	total: 9.36s	remaining: 25.4s
2695:	learn: 42.3580394	total: 9.37s	remaining: 25.4s
2696:	learn: 42.3558866	total: 9.37s	remaining: 25.4s
2697:	learn: 42.3493856	total: 9.37s	remaining: 25.4s
2698:	learn: 42.3409879	total: 9.38s	remaining: 25.4s
2699:	learn: 42.3364275	total: 9.38s	remaining: 25.4s
2700:	learn: 42.3308734	total: 9.38s	remaining: 25.4s
2701:	learn: 42.3248587	total: 9.39s	remaining: 25.4s
2702:	learn: 42.3158315	total: 9.39s	remaining: 25.3s
2703:	learn: 42.3091870	total: 9.39s	remaining: 25.3s
2704:	learn: 42.3059660	total: 9.4s	remaining: 25.3s
2705:	learn: 42.2968987	total: 9.4s	remaining: 25.3s
2706:	learn: 42.2894658	total: 9.4s	remaining: 25.3s
2707:	learn: 42.2846928	total: 9.41s	remaining: 25.3s
2708:	learn: 42.2772605	total: 9.41s	remaining: 25.3s
2709:	learn: 42.2682470	total: 9.41s	remaining: 25.3s
2710:	learn: 42.2615545	total: 9.42s	remaining: 25.3s
2711:	learn: 42.2552452	total: 9.42s	remaining: 25.3s
2712:	learn: 42.2501638	total: 9.42s	remaining: 25.3s
2713:	learn: 42.2430436	total: 9.43s	remaining: 25.3s
2714:	learn: 42.2381099	total: 9.43s	remaining: 25.3s
2715:	learn: 42.2368225	total: 9.43s	remaining: 25.3s
2716:	learn: 42.2304158	total: 9.44s	remaining: 25.3s
2717:	learn: 42.2233486	total: 9.44s	remaining: 25.3s
2718:	learn: 42.2161083	total: 9.44s	remaining: 25.3s
2719:	learn: 42.2121068	total: 9.45s	remaining: 25.3s
2720:	learn: 42.2080985	total: 9.45s	remaining: 25.3s
2721:	learn: 42.2037608	total: 9.45s	remaining: 25.3s
2722:	learn: 42.1994805	total: 9.46s	remaining: 25.3s
2723:	learn: 42.1933924	total: 9.46s	remaining: 25.3s
2724:	learn: 42.1871664	total: 9.46s	remaining: 25.3s
2725:	learn: 42.1778384	total: 9.47s	remaining: 25.3s
2726:	learn: 42.1725374	total: 9.47s	remaining: 25.3s
2727:	learn: 42.1670770	total: 9.47s	remaining: 25.3s
2728:	learn: 42.1592626	total: 9.48s	remaining: 25.3s
2729:	learn: 42.1540860	total: 9.48s	remaining: 25.2s
2730:	learn: 42.1508323	total: 9.48s	remaining: 25.2s
2731:	learn: 42.1411955	total: 9.49s	remaining: 25.2s
2732:	learn: 42.1378101	total: 9.49s	remaining: 25.2s
2733:	learn: 42.1363228	total: 9.49s	remaining: 25.2s
2734:	learn: 42.1308135	total: 9.5s	remaining: 25.2s
2735:	learn: 42.1232746	total: 9.5s	remaining: 25.2s
2736:	learn: 42.1176507	total: 9.5s	remaining: 25.2s
2737:	learn: 42.1077542	total: 9.51s	remaining: 25.2s

2738: learn: 42.1018062 total: 9.51s remaining: 25.2s
2739: learn: 42.0982995 total: 9.51s remaining: 25.2s
2740: learn: 42.0937770 total: 9.52s remaining: 25.2s
2741: learn: 42.0896059 total: 9.52s remaining: 25.2s
2742: learn: 42.0847838 total: 9.52s remaining: 25.2s
2743: learn: 42.0807928 total: 9.53s remaining: 25.2s
2744: learn: 42.0746827 total: 9.53s remaining: 25.2s
2745: learn: 42.0699183 total: 9.53s remaining: 25.2s
2746: learn: 42.0656272 total: 9.54s remaining: 25.2s
2747: learn: 42.0609109 total: 9.54s remaining: 25.2s
2748: learn: 42.0447740 total: 9.54s remaining: 25.2s
2749: learn: 42.0405758 total: 9.55s remaining: 25.2s
2750: learn: 42.0362793 total: 9.55s remaining: 25.2s
2751: learn: 42.0319428 total: 9.55s remaining: 25.2s
2752: learn: 42.0238631 total: 9.56s remaining: 25.2s
2753: learn: 42.0222647 total: 9.56s remaining: 25.2s
2754: learn: 42.0175653 total: 9.56s remaining: 25.1s
2755: learn: 42.0109796 total: 9.57s remaining: 25.1s
2756: learn: 42.0045607 total: 9.57s remaining: 25.1s
2757: learn: 41.9958528 total: 9.57s remaining: 25.1s
2758: learn: 41.9881464 total: 9.58s remaining: 25.1s
2759: learn: 41.9842879 total: 9.58s remaining: 25.1s
2760: learn: 41.9759669 total: 9.58s remaining: 25.1s
2761: learn: 41.9692525 total: 9.59s remaining: 25.1s
2762: learn: 41.9655112 total: 9.59s remaining: 25.1s
2763: learn: 41.9577658 total: 9.59s remaining: 25.1s
2764: learn: 41.9472792 total: 9.6s remaining: 25.1s
2765: learn: 41.9398413 total: 9.6s remaining: 25.1s
2766: learn: 41.9341821 total: 9.6s remaining: 25.1s
2767: learn: 41.9274898 total: 9.61s remaining: 25.1s
2768: learn: 41.9221501 total: 9.61s remaining: 25.1s
2769: learn: 41.9164523 total: 9.61s remaining: 25.1s
2770: learn: 41.9096240 total: 9.62s remaining: 25.1s
2771: learn: 41.9000068 total: 9.62s remaining: 25.1s
2772: learn: 41.8935286 total: 9.62s remaining: 25.1s
2773: learn: 41.8864531 total: 9.63s remaining: 25.1s
2774: learn: 41.8812496 total: 9.63s remaining: 25.1s
2775: learn: 41.8723457 total: 9.63s remaining: 25.1s
2776: learn: 41.8650456 total: 9.64s remaining: 25.1s
2777: learn: 41.8606630 total: 9.64s remaining: 25.1s
2778: learn: 41.8489334 total: 9.64s remaining: 25.1s
2779: learn: 41.8416120 total: 9.65s remaining: 25.1s
2780: learn: 41.8322051 total: 9.65s remaining: 25.1s
2781: learn: 41.8225721 total: 9.65s remaining: 25s
2782: learn: 41.8152929 total: 9.66s remaining: 25s
2783: learn: 41.8091370 total: 9.66s remaining: 25s
2784: learn: 41.8031889 total: 9.66s remaining: 25s
2785: learn: 41.7935365 total: 9.67s remaining: 25s
2786: learn: 41.7845026 total: 9.67s remaining: 25s
2787: learn: 41.7778358 total: 9.68s remaining: 25s
2788: learn: 41.7664688 total: 9.68s remaining: 25s
2789: learn: 41.7586159 total: 9.68s remaining: 25s
2790: learn: 41.7497390 total: 9.69s remaining: 25s
2791: learn: 41.7380382 total: 9.69s remaining: 25s
2792: learn: 41.7324063 total: 9.69s remaining: 25s
2793: learn: 41.7257354 total: 9.7s remaining: 25s
2794: learn: 41.7170390 total: 9.7s remaining: 25s
2795: learn: 41.7092199 total: 9.7s remaining: 25s
2796: learn: 41.7022181 total: 9.71s remaining: 25s
2797: learn: 41.6955697 total: 9.71s remaining: 25s
2798: learn: 41.6914093 total: 9.71s remaining: 25s
2799: learn: 41.6812977 total: 9.71s remaining: 25s
2800: learn: 41.6775293 total: 9.72s remaining: 25s
2801: learn: 41.6730745 total: 9.72s remaining: 25s
2802: learn: 41.6699174 total: 9.72s remaining: 25s
2803: learn: 41.6644777 total: 9.73s remaining: 25s
2804: learn: 41.6613237 total: 9.73s remaining: 25s
2805: learn: 41.6578932 total: 9.73s remaining: 25s
2806: learn: 41.6545216 total: 9.74s remaining: 25s
2807: learn: 41.6444306 total: 9.74s remaining: 25s
2808: learn: 41.6378026 total: 9.74s remaining: 24.9s
2809: learn: 41.6317094 total: 9.75s remaining: 24.9s
2810: learn: 41.6257858 total: 9.75s remaining: 24.9s
2811: learn: 41.6217502 total: 9.76s remaining: 24.9s

2812:	learn: 41.6130082	total: 9.76s	remaining: 24.9s
2813:	learn: 41.6061527	total: 9.76s	remaining: 24.9s
2814:	learn: 41.5983651	total: 9.77s	remaining: 24.9s
2815:	learn: 41.5935295	total: 9.77s	remaining: 24.9s
2816:	learn: 41.5878160	total: 9.77s	remaining: 24.9s
2817:	learn: 41.5818845	total: 9.78s	remaining: 24.9s
2818:	learn: 41.5771270	total: 9.78s	remaining: 24.9s
2819:	learn: 41.5757508	total: 9.78s	remaining: 24.9s
2820:	learn: 41.5740017	total: 9.79s	remaining: 24.9s
2821:	learn: 41.5658866	total: 9.79s	remaining: 24.9s
2822:	learn: 41.5592822	total: 9.79s	remaining: 24.9s
2823:	learn: 41.5528344	total: 9.79s	remaining: 24.9s
2824:	learn: 41.5484370	total: 9.8s	remaining: 24.9s
2825:	learn: 41.5411986	total: 9.8s	remaining: 24.9s
2826:	learn: 41.5384891	total: 9.8s	remaining: 24.9s
2827:	learn: 41.5305425	total: 9.81s	remaining: 24.9s
2828:	learn: 41.5294176	total: 9.81s	remaining: 24.9s
2829:	learn: 41.5255727	total: 9.81s	remaining: 24.9s
2830:	learn: 41.5183280	total: 9.82s	remaining: 24.9s
2831:	learn: 41.5109897	total: 9.82s	remaining: 24.9s
2832:	learn: 41.5060063	total: 9.82s	remaining: 24.9s
2833:	learn: 41.4966084	total: 9.83s	remaining: 24.9s
2834:	learn: 41.4905149	total: 9.83s	remaining: 24.8s
2835:	learn: 41.4843545	total: 9.84s	remaining: 24.8s
2836:	learn: 41.4770980	total: 9.84s	remaining: 24.8s
2837:	learn: 41.4724839	total: 9.84s	remaining: 24.8s
2838:	learn: 41.4693765	total: 9.84s	remaining: 24.8s
2839:	learn: 41.4627469	total: 9.85s	remaining: 24.8s
2840:	learn: 41.4573431	total: 9.85s	remaining: 24.8s
2841:	learn: 41.4510629	total: 9.85s	remaining: 24.8s
2842:	learn: 41.4454508	total: 9.86s	remaining: 24.8s
2843:	learn: 41.4400803	total: 9.86s	remaining: 24.8s
2844:	learn: 41.4306459	total: 9.86s	remaining: 24.8s
2845:	learn: 41.4294889	total: 9.87s	remaining: 24.8s
2846:	learn: 41.4257793	total: 9.87s	remaining: 24.8s
2847:	learn: 41.4168751	total: 9.87s	remaining: 24.8s
2848:	learn: 41.4115838	total: 9.88s	remaining: 24.8s
2849:	learn: 41.4008263	total: 9.88s	remaining: 24.8s
2850:	learn: 41.3938097	total: 9.88s	remaining: 24.8s
2851:	learn: 41.3859806	total: 9.89s	remaining: 24.8s
2852:	learn: 41.3822641	total: 9.89s	remaining: 24.8s
2853:	learn: 41.3761103	total: 9.89s	remaining: 24.8s
2854:	learn: 41.3718747	total: 9.9s	remaining: 24.8s
2855:	learn: 41.3607076	total: 9.9s	remaining: 24.8s
2856:	learn: 41.3506649	total: 9.9s	remaining: 24.8s
2857:	learn: 41.3442380	total: 9.91s	remaining: 24.8s
2858:	learn: 41.3357872	total: 9.91s	remaining: 24.8s
2859:	learn: 41.3297721	total: 9.91s	remaining: 24.8s
2860:	learn: 41.3246981	total: 9.92s	remaining: 24.8s
2861:	learn: 41.3209219	total: 9.92s	remaining: 24.7s
2862:	learn: 41.3127884	total: 9.93s	remaining: 24.7s
2863:	learn: 41.3046921	total: 9.93s	remaining: 24.7s
2864:	learn: 41.3032772	total: 9.93s	remaining: 24.7s
2865:	learn: 41.2945416	total: 9.94s	remaining: 24.7s
2866:	learn: 41.2898012	total: 9.94s	remaining: 24.7s
2867:	learn: 41.2804966	total: 9.94s	remaining: 24.7s
2868:	learn: 41.2738108	total: 9.95s	remaining: 24.7s
2869:	learn: 41.2685220	total: 9.95s	remaining: 24.7s
2870:	learn: 41.2654682	total: 9.95s	remaining: 24.7s
2871:	learn: 41.2570251	total: 9.96s	remaining: 24.7s
2872:	learn: 41.2487098	total: 9.96s	remaining: 24.7s
2873:	learn: 41.2436980	total: 9.96s	remaining: 24.7s
2874:	learn: 41.2434967	total: 9.96s	remaining: 24.7s
2875:	learn: 41.2397220	total: 9.97s	remaining: 24.7s
2876:	learn: 41.2395242	total: 9.97s	remaining: 24.7s
2877:	learn: 41.2339366	total: 9.97s	remaining: 24.7s
2878:	learn: 41.2315514	total: 9.98s	remaining: 24.7s
2879:	learn: 41.2271579	total: 9.98s	remaining: 24.7s
2880:	learn: 41.2181001	total: 9.98s	remaining: 24.7s
2881:	learn: 41.2139923	total: 9.99s	remaining: 24.7s
2882:	learn: 41.2091822	total: 9.99s	remaining: 24.7s
2883:	learn: 41.2037923	total: 10s	remaining: 24.7s
2884:	learn: 41.2004909	total: 10s	remaining: 24.7s
2885:	learn: 41.1959347	total: 10s	remaining: 24.7s

2886:	learn: 41.1923187	total: 10s	remaining: 24.7s
2887:	learn: 41.1861352	total: 10s	remaining: 24.7s
2888:	learn: 41.1805412	total: 10s	remaining: 24.6s
2889:	learn: 41.1791831	total: 10s	remaining: 24.6s
2890:	learn: 41.1710650	total: 10s	remaining: 24.6s
2891:	learn: 41.1621094	total: 10s	remaining: 24.6s
2892:	learn: 41.1581900	total: 10s	remaining: 24.6s
2893:	learn: 41.1516995	total: 10s	remaining: 24.6s
2894:	learn: 41.1463716	total: 10s	remaining: 24.6s
2895:	learn: 41.1370365	total: 10s	remaining: 24.6s
2896:	learn: 41.1336283	total: 10s	remaining: 24.6s
2897:	learn: 41.1295064	total: 10s	remaining: 24.6s
2898:	learn: 41.1269394	total: 10.1s	remaining: 24.6s
2899:	learn: 41.1217691	total: 10.1s	remaining: 24.6s
2900:	learn: 41.1160398	total: 10.1s	remaining: 24.6s
2901:	learn: 41.1098994	total: 10.1s	remaining: 24.6s
2902:	learn: 41.1097087	total: 10.1s	remaining: 24.6s
2903:	learn: 41.1040530	total: 10.1s	remaining: 24.6s
2904:	learn: 41.0966087	total: 10.1s	remaining: 24.6s
2905:	learn: 41.0938396	total: 10.1s	remaining: 24.6s
2906:	learn: 41.0895896	total: 10.1s	remaining: 24.6s
2907:	learn: 41.0882567	total: 10.1s	remaining: 24.6s
2908:	learn: 41.0800517	total: 10.1s	remaining: 24.6s
2909:	learn: 41.0761584	total: 10.1s	remaining: 24.6s
2910:	learn: 41.0713181	total: 10.1s	remaining: 24.6s
2911:	learn: 41.0659329	total: 10.1s	remaining: 24.6s
2912:	learn: 41.0578505	total: 10.1s	remaining: 24.6s
2913:	learn: 41.0510487	total: 10.1s	remaining: 24.6s
2914:	learn: 41.0434475	total: 10.1s	remaining: 24.6s
2915:	learn: 41.0394927	total: 10.1s	remaining: 24.6s
2916:	learn: 41.0331649	total: 10.1s	remaining: 24.6s
2917:	learn: 41.0268760	total: 10.1s	remaining: 24.6s
2918:	learn: 41.0219485	total: 10.1s	remaining: 24.6s
2919:	learn: 41.0118350	total: 10.1s	remaining: 24.6s
2920:	learn: 41.0063138	total: 10.1s	remaining: 24.6s
2921:	learn: 41.0026476	total: 10.1s	remaining: 24.6s
2922:	learn: 40.9976525	total: 10.1s	remaining: 24.5s
2923:	learn: 40.9933872	total: 10.1s	remaining: 24.5s
2924:	learn: 40.9873245	total: 10.1s	remaining: 24.5s
2925:	learn: 40.9814910	total: 10.2s	remaining: 24.5s
2926:	learn: 40.9722177	total: 10.2s	remaining: 24.5s
2927:	learn: 40.9676286	total: 10.2s	remaining: 24.5s
2928:	learn: 40.9596735	total: 10.2s	remaining: 24.5s
2929:	learn: 40.9539338	total: 10.2s	remaining: 24.5s
2930:	learn: 40.9482837	total: 10.2s	remaining: 24.5s
2931:	learn: 40.9435695	total: 10.2s	remaining: 24.5s
2932:	learn: 40.9433019	total: 10.2s	remaining: 24.5s
2933:	learn: 40.9392579	total: 10.2s	remaining: 24.5s
2934:	learn: 40.9350712	total: 10.2s	remaining: 24.5s
2935:	learn: 40.9251355	total: 10.2s	remaining: 24.5s
2936:	learn: 40.9233516	total: 10.2s	remaining: 24.5s
2937:	learn: 40.9135736	total: 10.2s	remaining: 24.5s
2938:	learn: 40.9064640	total: 10.2s	remaining: 24.5s
2939:	learn: 40.8983813	total: 10.2s	remaining: 24.5s
2940:	learn: 40.8900954	total: 10.2s	remaining: 24.5s
2941:	learn: 40.8862557	total: 10.2s	remaining: 24.5s
2942:	learn: 40.8831073	total: 10.2s	remaining: 24.5s
2943:	learn: 40.8754259	total: 10.2s	remaining: 24.5s
2944:	learn: 40.8655615	total: 10.2s	remaining: 24.5s
2945:	learn: 40.8619487	total: 10.2s	remaining: 24.5s
2946:	learn: 40.8555835	total: 10.2s	remaining: 24.5s
2947:	learn: 40.8462225	total: 10.2s	remaining: 24.5s
2948:	learn: 40.8391449	total: 10.2s	remaining: 24.5s
2949:	learn: 40.8350302	total: 10.2s	remaining: 24.5s
2950:	learn: 40.8256808	total: 10.2s	remaining: 24.5s
2951:	learn: 40.8228586	total: 10.2s	remaining: 24.5s
2952:	learn: 40.8146923	total: 10.2s	remaining: 24.5s
2953:	learn: 40.8092986	total: 10.3s	remaining: 24.5s
2954:	learn: 40.8057654	total: 10.3s	remaining: 24.4s
2955:	learn: 40.8050943	total: 10.3s	remaining: 24.4s
2956:	learn: 40.7999941	total: 10.3s	remaining: 24.4s
2957:	learn: 40.7963434	total: 10.3s	remaining: 24.4s
2958:	learn: 40.7929297	total: 10.3s	remaining: 24.4s
2959:	learn: 40.7854451	total: 10.3s	remaining: 24.4s

2960: learn: 40.7814015 total: 10.3s remaining: 24.4s
2961: learn: 40.7759881 total: 10.3s remaining: 24.4s
2962: learn: 40.7729024 total: 10.3s remaining: 24.4s
2963: learn: 40.7692041 total: 10.3s remaining: 24.4s
2964: learn: 40.7597836 total: 10.3s remaining: 24.4s
2965: learn: 40.7501277 total: 10.3s remaining: 24.4s
2966: learn: 40.7450032 total: 10.3s remaining: 24.4s
2967: learn: 40.7384353 total: 10.3s remaining: 24.4s
2968: learn: 40.7340403 total: 10.3s remaining: 24.4s
2969: learn: 40.7275994 total: 10.3s remaining: 24.4s
2970: learn: 40.7214316 total: 10.3s remaining: 24.4s
2971: learn: 40.7129428 total: 10.3s remaining: 24.4s
2972: learn: 40.7120916 total: 10.3s remaining: 24.4s
2973: learn: 40.7050606 total: 10.3s remaining: 24.4s
2974: learn: 40.7008051 total: 10.3s remaining: 24.4s
2975: learn: 40.6975484 total: 10.3s remaining: 24.4s
2976: learn: 40.6919761 total: 10.3s remaining: 24.4s
2977: learn: 40.6845303 total: 10.3s remaining: 24.4s
2978: learn: 40.6817562 total: 10.3s remaining: 24.4s
2979: learn: 40.6748600 total: 10.3s remaining: 24.4s
2980: learn: 40.6672862 total: 10.3s remaining: 24.4s
2981: learn: 40.6624708 total: 10.4s remaining: 24.4s
2982: learn: 40.6535301 total: 10.4s remaining: 24.4s
2983: learn: 40.6468652 total: 10.4s remaining: 24.4s
2984: learn: 40.6387977 total: 10.4s remaining: 24.4s
2985: learn: 40.6321409 total: 10.4s remaining: 24.3s
2986: learn: 40.6275651 total: 10.4s remaining: 24.3s
2987: learn: 40.6218225 total: 10.4s remaining: 24.3s
2988: learn: 40.6144399 total: 10.4s remaining: 24.3s
2989: learn: 40.6075465 total: 10.4s remaining: 24.3s
2990: learn: 40.6003208 total: 10.4s remaining: 24.3s
2991: learn: 40.5949782 total: 10.4s remaining: 24.3s
2992: learn: 40.5915616 total: 10.4s remaining: 24.3s
2993: learn: 40.5853068 total: 10.4s remaining: 24.3s
2994: learn: 40.5765828 total: 10.4s remaining: 24.3s
2995: learn: 40.5725889 total: 10.4s remaining: 24.3s
2996: learn: 40.5683060 total: 10.4s remaining: 24.3s
2997: learn: 40.5596642 total: 10.4s remaining: 24.3s
2998: learn: 40.5512816 total: 10.4s remaining: 24.3s
2999: learn: 40.5453794 total: 10.4s remaining: 24.3s
3000: learn: 40.5423019 total: 10.4s remaining: 24.3s
3001: learn: 40.5350007 total: 10.4s remaining: 24.3s
3002: learn: 40.5277972 total: 10.4s remaining: 24.3s
3003: learn: 40.5240644 total: 10.4s remaining: 24.3s
3004: learn: 40.5168560 total: 10.4s remaining: 24.3s
3005: learn: 40.5087049 total: 10.4s remaining: 24.3s
3006: learn: 40.5074542 total: 10.4s remaining: 24.3s
3007: learn: 40.5006092 total: 10.4s remaining: 24.3s
3008: learn: 40.4927484 total: 10.4s remaining: 24.3s
3009: learn: 40.4882578 total: 10.4s remaining: 24.3s
3010: learn: 40.4848173 total: 10.5s remaining: 24.3s
3011: learn: 40.4753116 total: 10.5s remaining: 24.3s
3012: learn: 40.4719283 total: 10.5s remaining: 24.3s
3013: learn: 40.4663156 total: 10.5s remaining: 24.3s
3014: learn: 40.4553363 total: 10.5s remaining: 24.3s
3015: learn: 40.4537283 total: 10.5s remaining: 24.2s
3016: learn: 40.4480239 total: 10.5s remaining: 24.2s
3017: learn: 40.4413919 total: 10.5s remaining: 24.2s
3018: learn: 40.4332322 total: 10.5s remaining: 24.2s
3019: learn: 40.4267857 total: 10.5s remaining: 24.2s
3020: learn: 40.4236451 total: 10.5s remaining: 24.2s
3021: learn: 40.4156189 total: 10.5s remaining: 24.2s
3022: learn: 40.4079711 total: 10.5s remaining: 24.2s
3023: learn: 40.4041805 total: 10.5s remaining: 24.2s
3024: learn: 40.3975134 total: 10.5s remaining: 24.2s
3025: learn: 40.3917970 total: 10.5s remaining: 24.2s
3026: learn: 40.3851735 total: 10.5s remaining: 24.2s
3027: learn: 40.3794267 total: 10.5s remaining: 24.2s
3028: learn: 40.3738500 total: 10.5s remaining: 24.2s
3029: learn: 40.3651558 total: 10.5s remaining: 24.2s
3030: learn: 40.3589329 total: 10.5s remaining: 24.2s
3031: learn: 40.3585085 total: 10.5s remaining: 24.2s
3032: learn: 40.3505026 total: 10.5s remaining: 24.2s
3033: learn: 40.3459145 total: 10.5s remaining: 24.2s

3034:	learn: 40.3372027	total: 10.5s	remaining: 24.2s
3035:	learn: 40.3296171	total: 10.5s	remaining: 24.2s
3036:	learn: 40.3263453	total: 10.5s	remaining: 24.2s
3037:	learn: 40.3251499	total: 10.6s	remaining: 24.2s
3038:	learn: 40.3139797	total: 10.6s	remaining: 24.2s
3039:	learn: 40.3041692	total: 10.6s	remaining: 24.2s
3040:	learn: 40.2992275	total: 10.6s	remaining: 24.2s
3041:	learn: 40.2933759	total: 10.6s	remaining: 24.2s
3042:	learn: 40.2867867	total: 10.6s	remaining: 24.2s
3043:	learn: 40.2795155	total: 10.6s	remaining: 24.2s
3044:	learn: 40.2716890	total: 10.6s	remaining: 24.2s
3045:	learn: 40.2654271	total: 10.6s	remaining: 24.2s
3046:	learn: 40.2594424	total: 10.6s	remaining: 24.2s
3047:	learn: 40.2540063	total: 10.6s	remaining: 24.2s
3048:	learn: 40.2499210	total: 10.6s	remaining: 24.1s
3049:	learn: 40.2450874	total: 10.6s	remaining: 24.1s
3050:	learn: 40.2377884	total: 10.6s	remaining: 24.1s
3051:	learn: 40.2339973	total: 10.6s	remaining: 24.1s
3052:	learn: 40.2272421	total: 10.6s	remaining: 24.1s
3053:	learn: 40.2229579	total: 10.6s	remaining: 24.1s
3054:	learn: 40.2195615	total: 10.6s	remaining: 24.1s
3055:	learn: 40.2150629	total: 10.6s	remaining: 24.1s
3056:	learn: 40.2074683	total: 10.6s	remaining: 24.1s
3057:	learn: 40.2019662	total: 10.6s	remaining: 24.1s
3058:	learn: 40.1912523	total: 10.6s	remaining: 24.1s
3059:	learn: 40.1900645	total: 10.6s	remaining: 24.1s
3060:	learn: 40.1849360	total: 10.6s	remaining: 24.1s
3061:	learn: 40.1807658	total: 10.6s	remaining: 24.1s
3062:	learn: 40.1769772	total: 10.6s	remaining: 24.1s
3063:	learn: 40.1725120	total: 10.6s	remaining: 24.1s
3064:	learn: 40.1692451	total: 10.7s	remaining: 24.1s
3065:	learn: 40.1586111	total: 10.7s	remaining: 24.1s
3066:	learn: 40.1499126	total: 10.7s	remaining: 24.1s
3067:	learn: 40.1454417	total: 10.7s	remaining: 24.1s
3068:	learn: 40.1368887	total: 10.7s	remaining: 24.1s
3069:	learn: 40.1321761	total: 10.7s	remaining: 24.1s
3070:	learn: 40.1260639	total: 10.7s	remaining: 24.1s
3071:	learn: 40.1151037	total: 10.7s	remaining: 24.1s
3072:	learn: 40.1088491	total: 10.7s	remaining: 24.1s
3073:	learn: 40.0987769	total: 10.7s	remaining: 24.1s
3074:	learn: 40.0962834	total: 10.7s	remaining: 24.1s
3075:	learn: 40.0904213	total: 10.7s	remaining: 24.1s
3076:	learn: 40.0821146	total: 10.7s	remaining: 24.1s
3077:	learn: 40.0737862	total: 10.7s	remaining: 24.1s
3078:	learn: 40.0671322	total: 10.7s	remaining: 24.1s
3079:	learn: 40.0597747	total: 10.7s	remaining: 24.1s
3080:	learn: 40.0515522	total: 10.7s	remaining: 24.1s
3081:	learn: 40.0479270	total: 10.7s	remaining: 24s
3082:	learn: 40.0434021	total: 10.7s	remaining: 24s
3083:	learn: 40.0374609	total: 10.7s	remaining: 24s
3084:	learn: 40.0317117	total: 10.7s	remaining: 24s
3085:	learn: 40.0248914	total: 10.7s	remaining: 24s
3086:	learn: 40.0195922	total: 10.7s	remaining: 24s
3087:	learn: 40.0179314	total: 10.7s	remaining: 24s
3088:	learn: 40.0124354	total: 10.7s	remaining: 24s
3089:	learn: 40.0071550	total: 10.7s	remaining: 24s
3090:	learn: 39.9986630	total: 10.7s	remaining: 24s
3091:	learn: 39.9953283	total: 10.7s	remaining: 24s
3092:	learn: 39.9910135	total: 10.8s	remaining: 24s
3093:	learn: 39.9844836	total: 10.8s	remaining: 24s
3094:	learn: 39.9801489	total: 10.8s	remaining: 24s
3095:	learn: 39.9734080	total: 10.8s	remaining: 24s
3096:	learn: 39.9706540	total: 10.8s	remaining: 24s
3097:	learn: 39.9668586	total: 10.8s	remaining: 24s
3098:	learn: 39.9637988	total: 10.8s	remaining: 24s
3099:	learn: 39.9598344	total: 10.8s	remaining: 24s
3100:	learn: 39.9563889	total: 10.8s	remaining: 24s
3101:	learn: 39.9497626	total: 10.8s	remaining: 24s
3102:	learn: 39.9452756	total: 10.8s	remaining: 24s
3103:	learn: 39.9448398	total: 10.8s	remaining: 24s
3104:	learn: 39.9407828	total: 10.8s	remaining: 24s
3105:	learn: 39.9362264	total: 10.8s	remaining: 24s
3106:	learn: 39.9334047	total: 10.8s	remaining: 24s
3107:	learn: 39.9299758	total: 10.8s	remaining: 24s

3108:	learn: 39.9232594	total: 10.8s	remaining: 24s
3109:	learn: 39.9210796	total: 10.8s	remaining: 24s
3110:	learn: 39.9151335	total: 10.8s	remaining: 24s
3111:	learn: 39.9072185	total: 10.8s	remaining: 23.9s
3112:	learn: 39.9025096	total: 10.8s	remaining: 23.9s
3113:	learn: 39.9013647	total: 10.8s	remaining: 23.9s
3114:	learn: 39.8947761	total: 10.8s	remaining: 23.9s
3115:	learn: 39.8897227	total: 10.8s	remaining: 23.9s
3116:	learn: 39.8854590	total: 10.8s	remaining: 23.9s
3117:	learn: 39.8793233	total: 10.8s	remaining: 23.9s
3118:	learn: 39.8728905	total: 10.8s	remaining: 23.9s
3119:	learn: 39.8694361	total: 10.8s	remaining: 23.9s
3120:	learn: 39.8617483	total: 10.9s	remaining: 23.9s
3121:	learn: 39.8549310	total: 10.9s	remaining: 23.9s
3122:	learn: 39.8531908	total: 10.9s	remaining: 23.9s
3123:	learn: 39.8442823	total: 10.9s	remaining: 23.9s
3124:	learn: 39.8416301	total: 10.9s	remaining: 23.9s
3125:	learn: 39.8383636	total: 10.9s	remaining: 23.9s
3126:	learn: 39.8330706	total: 10.9s	remaining: 23.9s
3127:	learn: 39.8307818	total: 10.9s	remaining: 23.9s
3128:	learn: 39.8229619	total: 10.9s	remaining: 23.9s
3129:	learn: 39.8214413	total: 10.9s	remaining: 23.9s
3130:	learn: 39.8174714	total: 10.9s	remaining: 23.9s
3131:	learn: 39.8140092	total: 10.9s	remaining: 23.9s
3132:	learn: 39.8079973	total: 10.9s	remaining: 23.9s
3133:	learn: 39.8014102	total: 10.9s	remaining: 23.9s
3134:	learn: 39.8002302	total: 10.9s	remaining: 23.9s
3135:	learn: 39.7952544	total: 10.9s	remaining: 23.9s
3136:	learn: 39.7907723	total: 10.9s	remaining: 23.9s
3137:	learn: 39.7848991	total: 10.9s	remaining: 23.9s
3138:	learn: 39.7806377	total: 10.9s	remaining: 23.9s
3139:	learn: 39.7741758	total: 10.9s	remaining: 23.8s
3140:	learn: 39.7707121	total: 10.9s	remaining: 23.8s
3141:	learn: 39.7657904	total: 10.9s	remaining: 23.8s
3142:	learn: 39.7617609	total: 10.9s	remaining: 23.8s
3143:	learn: 39.7616494	total: 10.9s	remaining: 23.8s
3144:	learn: 39.7526944	total: 10.9s	remaining: 23.8s
3145:	learn: 39.7457530	total: 10.9s	remaining: 23.8s
3146:	learn: 39.7405662	total: 10.9s	remaining: 23.8s
3147:	learn: 39.7366659	total: 10.9s	remaining: 23.8s
3148:	learn: 39.7306460	total: 10.9s	remaining: 23.8s
3149:	learn: 39.7250288	total: 10.9s	remaining: 23.8s
3150:	learn: 39.7191479	total: 11s	remaining: 23.8s
3151:	learn: 39.7128896	total: 11s	remaining: 23.8s
3152:	learn: 39.7097870	total: 11s	remaining: 23.8s
3153:	learn: 39.7026909	total: 11s	remaining: 23.8s
3154:	learn: 39.6977251	total: 11s	remaining: 23.8s
3155:	learn: 39.6902145	total: 11s	remaining: 23.8s
3156:	learn: 39.6845897	total: 11s	remaining: 23.8s
3157:	learn: 39.6789580	total: 11s	remaining: 23.8s
3158:	learn: 39.6764133	total: 11s	remaining: 23.8s
3159:	learn: 39.6707681	total: 11s	remaining: 23.8s
3160:	learn: 39.6644359	total: 11s	remaining: 23.8s
3161:	learn: 39.6571194	total: 11s	remaining: 23.8s
3162:	learn: 39.6506334	total: 11s	remaining: 23.8s
3163:	learn: 39.6484666	total: 11s	remaining: 23.8s
3164:	learn: 39.6439124	total: 11s	remaining: 23.8s
3165:	learn: 39.6428175	total: 11s	remaining: 23.8s
3166:	learn: 39.6374358	total: 11s	remaining: 23.7s
3167:	learn: 39.6310605	total: 11s	remaining: 23.7s
3168:	learn: 39.6259213	total: 11s	remaining: 23.7s
3169:	learn: 39.6207394	total: 11s	remaining: 23.7s
3170:	learn: 39.6165492	total: 11s	remaining: 23.7s
3171:	learn: 39.6126352	total: 11s	remaining: 23.7s
3172:	learn: 39.6057228	total: 11s	remaining: 23.7s
3173:	learn: 39.6009692	total: 11s	remaining: 23.7s
3174:	learn: 39.5946644	total: 11s	remaining: 23.7s
3175:	learn: 39.5876648	total: 11s	remaining: 23.7s
3176:	learn: 39.5810133	total: 11s	remaining: 23.7s
3177:	learn: 39.5742198	total: 11s	remaining: 23.7s
3178:	learn: 39.5654450	total: 11s	remaining: 23.7s
3179:	learn: 39.5638825	total: 11.1s	remaining: 23.7s
3180:	learn: 39.5569301	total: 11.1s	remaining: 23.7s
3181:	learn: 39.5506625	total: 11.1s	remaining: 23.7s

3182:	learn: 39.5440521	total: 11.1s	remaining: 23.7s
3183:	learn: 39.5408711	total: 11.1s	remaining: 23.7s
3184:	learn: 39.5351400	total: 11.1s	remaining: 23.7s
3185:	learn: 39.5316874	total: 11.1s	remaining: 23.7s
3186:	learn: 39.5280649	total: 11.1s	remaining: 23.7s
3187:	learn: 39.5215872	total: 11.1s	remaining: 23.7s
3188:	learn: 39.5184611	total: 11.1s	remaining: 23.7s
3189:	learn: 39.5106116	total: 11.1s	remaining: 23.7s
3190:	learn: 39.5060484	total: 11.1s	remaining: 23.7s
3191:	learn: 39.5005239	total: 11.1s	remaining: 23.7s
3192:	learn: 39.4975467	total: 11.1s	remaining: 23.7s
3193:	learn: 39.4935660	total: 11.1s	remaining: 23.6s
3194:	learn: 39.4863565	total: 11.1s	remaining: 23.6s
3195:	learn: 39.4823103	total: 11.1s	remaining: 23.6s
3196:	learn: 39.4779112	total: 11.1s	remaining: 23.6s
3197:	learn: 39.4743774	total: 11.1s	remaining: 23.6s
3198:	learn: 39.4704538	total: 11.1s	remaining: 23.6s
3199:	learn: 39.4658298	total: 11.1s	remaining: 23.6s
3200:	learn: 39.4605727	total: 11.1s	remaining: 23.6s
3201:	learn: 39.4531032	total: 11.1s	remaining: 23.6s
3202:	learn: 39.4466056	total: 11.1s	remaining: 23.6s
3203:	learn: 39.4424322	total: 11.1s	remaining: 23.6s
3204:	learn: 39.4355743	total: 11.1s	remaining: 23.6s
3205:	learn: 39.4324061	total: 11.1s	remaining: 23.6s
3206:	learn: 39.4289907	total: 11.1s	remaining: 23.6s
3207:	learn: 39.4211975	total: 11.1s	remaining: 23.6s
3208:	learn: 39.4154204	total: 11.1s	remaining: 23.6s
3209:	learn: 39.4097250	total: 11.2s	remaining: 23.6s
3210:	learn: 39.4049275	total: 11.2s	remaining: 23.6s
3211:	learn: 39.4007648	total: 11.2s	remaining: 23.6s
3212:	learn: 39.3974359	total: 11.2s	remaining: 23.6s
3213:	learn: 39.3962735	total: 11.2s	remaining: 23.6s
3214:	learn: 39.3910215	total: 11.2s	remaining: 23.6s
3215:	learn: 39.3877853	total: 11.2s	remaining: 23.6s
3216:	learn: 39.3838222	total: 11.2s	remaining: 23.6s
3217:	learn: 39.3836572	total: 11.2s	remaining: 23.6s
3218:	learn: 39.3805926	total: 11.2s	remaining: 23.6s
3219:	learn: 39.3804830	total: 11.2s	remaining: 23.6s
3220:	learn: 39.3714512	total: 11.2s	remaining: 23.5s
3221:	learn: 39.3686549	total: 11.2s	remaining: 23.5s
3222:	learn: 39.3635914	total: 11.2s	remaining: 23.5s
3223:	learn: 39.3621580	total: 11.2s	remaining: 23.5s
3224:	learn: 39.3558425	total: 11.2s	remaining: 23.5s
3225:	learn: 39.3476253	total: 11.2s	remaining: 23.5s
3226:	learn: 39.3398762	total: 11.2s	remaining: 23.5s
3227:	learn: 39.3354625	total: 11.2s	remaining: 23.5s
3228:	learn: 39.3308344	total: 11.2s	remaining: 23.5s
3229:	learn: 39.3290654	total: 11.2s	remaining: 23.5s
3230:	learn: 39.3279903	total: 11.2s	remaining: 23.5s
3231:	learn: 39.3234366	total: 11.2s	remaining: 23.5s
3232:	learn: 39.3185209	total: 11.2s	remaining: 23.5s
3233:	learn: 39.3123891	total: 11.2s	remaining: 23.5s
3234:	learn: 39.3078777	total: 11.2s	remaining: 23.5s
3235:	learn: 39.3063580	total: 11.2s	remaining: 23.5s
3236:	learn: 39.3050123	total: 11.2s	remaining: 23.5s
3237:	learn: 39.2973670	total: 11.2s	remaining: 23.5s
3238:	learn: 39.2944720	total: 11.2s	remaining: 23.5s
3239:	learn: 39.2875964	total: 11.3s	remaining: 23.5s
3240:	learn: 39.2810199	total: 11.3s	remaining: 23.5s
3241:	learn: 39.2801215	total: 11.3s	remaining: 23.5s
3242:	learn: 39.2746135	total: 11.3s	remaining: 23.5s
3243:	learn: 39.2705394	total: 11.3s	remaining: 23.5s
3244:	learn: 39.2625617	total: 11.3s	remaining: 23.5s
3245:	learn: 39.2561795	total: 11.3s	remaining: 23.5s
3246:	learn: 39.2510400	total: 11.3s	remaining: 23.5s
3247:	learn: 39.2508833	total: 11.3s	remaining: 23.4s
3248:	learn: 39.2437504	total: 11.3s	remaining: 23.4s
3249:	learn: 39.2421807	total: 11.3s	remaining: 23.4s
3250:	learn: 39.2387713	total: 11.3s	remaining: 23.4s
3251:	learn: 39.2336855	total: 11.3s	remaining: 23.4s
3252:	learn: 39.2288320	total: 11.3s	remaining: 23.4s
3253:	learn: 39.2222799	total: 11.3s	remaining: 23.4s
3254:	learn: 39.2211483	total: 11.3s	remaining: 23.4s
3255:	learn: 39.2181539	total: 11.3s	remaining: 23.4s

3256:	learn: 39.2136689	total: 11.3s	remaining: 23.4s
3257:	learn: 39.2104344	total: 11.3s	remaining: 23.4s
3258:	learn: 39.2090398	total: 11.3s	remaining: 23.4s
3259:	learn: 39.2038243	total: 11.3s	remaining: 23.4s
3260:	learn: 39.2006320	total: 11.3s	remaining: 23.4s
3261:	learn: 39.1996358	total: 11.3s	remaining: 23.4s
3262:	learn: 39.1950255	total: 11.3s	remaining: 23.4s
3263:	learn: 39.1874689	total: 11.3s	remaining: 23.4s
3264:	learn: 39.1846149	total: 11.3s	remaining: 23.4s
3265:	learn: 39.1806312	total: 11.3s	remaining: 23.4s
3266:	learn: 39.1754747	total: 11.3s	remaining: 23.4s
3267:	learn: 39.1677302	total: 11.3s	remaining: 23.4s
3268:	learn: 39.1609196	total: 11.3s	remaining: 23.4s
3269:	learn: 39.1600723	total: 11.4s	remaining: 23.4s
3270:	learn: 39.1591105	total: 11.4s	remaining: 23.4s
3271:	learn: 39.1516363	total: 11.4s	remaining: 23.4s
3272:	learn: 39.1441362	total: 11.4s	remaining: 23.4s
3273:	learn: 39.1381186	total: 11.4s	remaining: 23.3s
3274:	learn: 39.1335129	total: 11.4s	remaining: 23.3s
3275:	learn: 39.1274951	total: 11.4s	remaining: 23.3s
3276:	learn: 39.1186852	total: 11.4s	remaining: 23.3s
3277:	learn: 39.1134256	total: 11.4s	remaining: 23.3s
3278:	learn: 39.1072341	total: 11.4s	remaining: 23.3s
3279:	learn: 39.1043327	total: 11.4s	remaining: 23.3s
3280:	learn: 39.0996489	total: 11.4s	remaining: 23.3s
3281:	learn: 39.0956668	total: 11.4s	remaining: 23.3s
3282:	learn: 39.0944370	total: 11.4s	remaining: 23.3s
3283:	learn: 39.0902064	total: 11.4s	remaining: 23.3s
3284:	learn: 39.0871595	total: 11.4s	remaining: 23.3s
3285:	learn: 39.0815479	total: 11.4s	remaining: 23.3s
3286:	learn: 39.0788299	total: 11.4s	remaining: 23.3s
3287:	learn: 39.0737693	total: 11.4s	remaining: 23.3s
3288:	learn: 39.0685674	total: 11.4s	remaining: 23.3s
3289:	learn: 39.0635240	total: 11.4s	remaining: 23.3s
3290:	learn: 39.0555260	total: 11.4s	remaining: 23.3s
3291:	learn: 39.0544147	total: 11.4s	remaining: 23.3s
3292:	learn: 39.0519887	total: 11.4s	remaining: 23.3s
3293:	learn: 39.0480236	total: 11.4s	remaining: 23.3s
3294:	learn: 39.0455575	total: 11.4s	remaining: 23.3s
3295:	learn: 39.0399134	total: 11.4s	remaining: 23.3s
3296:	learn: 39.0370836	total: 11.4s	remaining: 23.3s
3297:	learn: 39.0341035	total: 11.4s	remaining: 23.3s
3298:	learn: 39.0306834	total: 11.4s	remaining: 23.3s
3299:	learn: 39.0245704	total: 11.5s	remaining: 23.2s
3300:	learn: 39.0162505	total: 11.5s	remaining: 23.2s
3301:	learn: 39.0105249	total: 11.5s	remaining: 23.2s
3302:	learn: 39.0058601	total: 11.5s	remaining: 23.2s
3303:	learn: 39.0013566	total: 11.5s	remaining: 23.2s
3304:	learn: 38.9966046	total: 11.5s	remaining: 23.2s
3305:	learn: 38.9911377	total: 11.5s	remaining: 23.2s
3306:	learn: 38.9868358	total: 11.5s	remaining: 23.2s
3307:	learn: 38.9828452	total: 11.5s	remaining: 23.2s
3308:	learn: 38.9817690	total: 11.5s	remaining: 23.2s
3309:	learn: 38.9764338	total: 11.5s	remaining: 23.2s
3310:	learn: 38.9725867	total: 11.5s	remaining: 23.2s
3311:	learn: 38.9689683	total: 11.5s	remaining: 23.2s
3312:	learn: 38.9648622	total: 11.5s	remaining: 23.2s
3313:	learn: 38.9600058	total: 11.5s	remaining: 23.2s
3314:	learn: 38.9527973	total: 11.5s	remaining: 23.2s
3315:	learn: 38.9456733	total: 11.5s	remaining: 23.2s
3316:	learn: 38.9406980	total: 11.5s	remaining: 23.2s
3317:	learn: 38.9374447	total: 11.5s	remaining: 23.2s
3318:	learn: 38.9333736	total: 11.5s	remaining: 23.2s
3319:	learn: 38.9300464	total: 11.5s	remaining: 23.2s
3320:	learn: 38.9268484	total: 11.5s	remaining: 23.2s
3321:	learn: 38.9243652	total: 11.5s	remaining: 23.2s
3322:	learn: 38.9223469	total: 11.5s	remaining: 23.2s
3323:	learn: 38.9176653	total: 11.5s	remaining: 23.2s
3324:	learn: 38.9116596	total: 11.5s	remaining: 23.2s
3325:	learn: 38.9079958	total: 11.5s	remaining: 23.2s
3326:	learn: 38.9055907	total: 11.5s	remaining: 23.2s
3327:	learn: 38.9021563	total: 11.5s	remaining: 23.1s
3328:	learn: 38.9008898	total: 11.6s	remaining: 23.1s
3329:	learn: 38.8969462	total: 11.6s	remaining: 23.1s

3330:	learn: 38.8907395	total: 11.6s	remaining: 23.1s
3331:	learn: 38.8864103	total: 11.6s	remaining: 23.1s
3332:	learn: 38.8805850	total: 11.6s	remaining: 23.1s
3333:	learn: 38.8724054	total: 11.6s	remaining: 23.1s
3334:	learn: 38.8657204	total: 11.6s	remaining: 23.1s
3335:	learn: 38.8655241	total: 11.6s	remaining: 23.1s
3336:	learn: 38.8616736	total: 11.6s	remaining: 23.1s
3337:	learn: 38.8590332	total: 11.6s	remaining: 23.1s
3338:	learn: 38.8524026	total: 11.6s	remaining: 23.1s
3339:	learn: 38.8452585	total: 11.6s	remaining: 23.1s
3340:	learn: 38.8410818	total: 11.6s	remaining: 23.1s
3341:	learn: 38.8368976	total: 11.6s	remaining: 23.1s
3342:	learn: 38.8280406	total: 11.6s	remaining: 23.1s
3343:	learn: 38.8244801	total: 11.6s	remaining: 23.1s
3344:	learn: 38.8205366	total: 11.6s	remaining: 23.1s
3345:	learn: 38.8163475	total: 11.6s	remaining: 23.1s
3346:	learn: 38.8097689	total: 11.6s	remaining: 23.1s
3347:	learn: 38.8070951	total: 11.6s	remaining: 23.1s
3348:	learn: 38.8045842	total: 11.6s	remaining: 23.1s
3349:	learn: 38.8031669	total: 11.6s	remaining: 23.1s
3350:	learn: 38.7979048	total: 11.6s	remaining: 23.1s
3351:	learn: 38.7938058	total: 11.6s	remaining: 23.1s
3352:	learn: 38.7899995	total: 11.6s	remaining: 23.1s
3353:	learn: 38.7861442	total: 11.6s	remaining: 23.1s
3354:	learn: 38.7844937	total: 11.6s	remaining: 23.1s
3355:	learn: 38.7807563	total: 11.6s	remaining: 23.1s
3356:	learn: 38.7799207	total: 11.6s	remaining: 23.1s
3357:	learn: 38.7762074	total: 11.7s	remaining: 23s
3358:	learn: 38.7739274	total: 11.7s	remaining: 23s
3359:	learn: 38.7709447	total: 11.7s	remaining: 23s
3360:	learn: 38.7672659	total: 11.7s	remaining: 23s
3361:	learn: 38.7616294	total: 11.7s	remaining: 23s
3362:	learn: 38.7565579	total: 11.7s	remaining: 23s
3363:	learn: 38.7488499	total: 11.7s	remaining: 23s
3364:	learn: 38.7440547	total: 11.7s	remaining: 23s
3365:	learn: 38.7358327	total: 11.7s	remaining: 23s
3366:	learn: 38.7308670	total: 11.7s	remaining: 23s
3367:	learn: 38.7260134	total: 11.7s	remaining: 23s
3368:	learn: 38.7227237	total: 11.7s	remaining: 23s
3369:	learn: 38.7196884	total: 11.7s	remaining: 23s
3370:	learn: 38.7127980	total: 11.7s	remaining: 23s
3371:	learn: 38.7086609	total: 11.7s	remaining: 23s
3372:	learn: 38.7075920	total: 11.7s	remaining: 23s
3373:	learn: 38.7022905	total: 11.7s	remaining: 23s
3374:	learn: 38.6943356	total: 11.7s	remaining: 23s
3375:	learn: 38.6913931	total: 11.7s	remaining: 23s
3376:	learn: 38.6862759	total: 11.7s	remaining: 23s
3377:	learn: 38.6795765	total: 11.7s	remaining: 23s
3378:	learn: 38.6739226	total: 11.7s	remaining: 23s
3379:	learn: 38.6669105	total: 11.7s	remaining: 23s
3380:	learn: 38.6614993	total: 11.7s	remaining: 23s
3381:	learn: 38.6564054	total: 11.7s	remaining: 23s
3382:	learn: 38.6543885	total: 11.7s	remaining: 23s
3383:	learn: 38.6519638	total: 11.7s	remaining: 23s
3384:	learn: 38.6439394	total: 11.8s	remaining: 23s
3385:	learn: 38.6381931	total: 11.8s	remaining: 23s
3386:	learn: 38.6366866	total: 11.8s	remaining: 23s
3387:	learn: 38.6314948	total: 11.8s	remaining: 23s
3388:	learn: 38.6256541	total: 11.8s	remaining: 22.9s
3389:	learn: 38.6174346	total: 11.8s	remaining: 22.9s
3390:	learn: 38.6124467	total: 11.8s	remaining: 22.9s
3391:	learn: 38.6060256	total: 11.8s	remaining: 22.9s
3392:	learn: 38.6021024	total: 11.8s	remaining: 22.9s
3393:	learn: 38.5970740	total: 11.8s	remaining: 22.9s
3394:	learn: 38.5899659	total: 11.8s	remaining: 22.9s
3395:	learn: 38.5890018	total: 11.8s	remaining: 22.9s
3396:	learn: 38.5857881	total: 11.8s	remaining: 22.9s
3397:	learn: 38.5821882	total: 11.8s	remaining: 22.9s
3398:	learn: 38.5820576	total: 11.8s	remaining: 22.9s
3399:	learn: 38.5758306	total: 11.8s	remaining: 22.9s
3400:	learn: 38.5675322	total: 11.8s	remaining: 22.9s
3401:	learn: 38.5658189	total: 11.8s	remaining: 22.9s
3402:	learn: 38.5628532	total: 11.8s	remaining: 22.9s
3403:	learn: 38.5559905	total: 11.8s	remaining: 22.9s

3404:	learn: 38.5558159	total: 11.8s	remaining: 22.9s
3405:	learn: 38.5491844	total: 11.8s	remaining: 22.9s
3406:	learn: 38.5458632	total: 11.8s	remaining: 22.9s
3407:	learn: 38.5408793	total: 11.8s	remaining: 22.9s
3408:	learn: 38.5364230	total: 11.8s	remaining: 22.9s
3409:	learn: 38.5281039	total: 11.8s	remaining: 22.9s
3410:	learn: 38.5241459	total: 11.8s	remaining: 22.9s
3411:	learn: 38.5196071	total: 11.8s	remaining: 22.9s
3412:	learn: 38.5165305	total: 11.9s	remaining: 22.9s
3413:	learn: 38.5119661	total: 11.9s	remaining: 22.9s
3414:	learn: 38.5064437	total: 11.9s	remaining: 22.9s
3415:	learn: 38.5016004	total: 11.9s	remaining: 22.9s
3416:	learn: 38.4971748	total: 11.9s	remaining: 22.9s
3417:	learn: 38.4906870	total: 11.9s	remaining: 22.9s
3418:	learn: 38.4845162	total: 11.9s	remaining: 22.9s
3419:	learn: 38.4753702	total: 11.9s	remaining: 22.9s
3420:	learn: 38.4694500	total: 11.9s	remaining: 22.8s
3421:	learn: 38.4641001	total: 11.9s	remaining: 22.8s
3422:	learn: 38.4607781	total: 11.9s	remaining: 22.8s
3423:	learn: 38.4547497	total: 11.9s	remaining: 22.8s
3424:	learn: 38.4545282	total: 11.9s	remaining: 22.8s
3425:	learn: 38.4453622	total: 11.9s	remaining: 22.8s
3426:	learn: 38.4386101	total: 11.9s	remaining: 22.8s
3427:	learn: 38.4344018	total: 11.9s	remaining: 22.8s
3428:	learn: 38.4291000	total: 11.9s	remaining: 22.8s
3429:	learn: 38.4235488	total: 11.9s	remaining: 22.8s
3430:	learn: 38.4185758	total: 11.9s	remaining: 22.8s
3431:	learn: 38.4142712	total: 11.9s	remaining: 22.8s
3432:	learn: 38.4071977	total: 11.9s	remaining: 22.8s
3433:	learn: 38.4008036	total: 11.9s	remaining: 22.8s
3434:	learn: 38.3971511	total: 11.9s	remaining: 22.8s
3435:	learn: 38.3917208	total: 11.9s	remaining: 22.8s
3436:	learn: 38.3850150	total: 11.9s	remaining: 22.8s
3437:	learn: 38.3824173	total: 11.9s	remaining: 22.8s
3438:	learn: 38.3786193	total: 11.9s	remaining: 22.8s
3439:	learn: 38.3756194	total: 11.9s	remaining: 22.8s
3440:	learn: 38.3707622	total: 12s	remaining: 22.8s
3441:	learn: 38.3652522	total: 12s	remaining: 22.8s
3442:	learn: 38.3607936	total: 12s	remaining: 22.8s
3443:	learn: 38.3542041	total: 12s	remaining: 22.8s
3444:	learn: 38.3516784	total: 12s	remaining: 22.8s
3445:	learn: 38.3440702	total: 12s	remaining: 22.8s
3446:	learn: 38.3383892	total: 12s	remaining: 22.8s
3447:	learn: 38.3343340	total: 12s	remaining: 22.8s
3448:	learn: 38.3306573	total: 12s	remaining: 22.8s
3449:	learn: 38.3226297	total: 12s	remaining: 22.8s
3450:	learn: 38.3192576	total: 12s	remaining: 22.8s
3451:	learn: 38.3134033	total: 12s	remaining: 22.7s
3452:	learn: 38.3091600	total: 12s	remaining: 22.7s
3453:	learn: 38.3056844	total: 12s	remaining: 22.7s
3454:	learn: 38.3047453	total: 12s	remaining: 22.7s
3455:	learn: 38.3001838	total: 12s	remaining: 22.7s
3456:	learn: 38.2943266	total: 12s	remaining: 22.7s
3457:	learn: 38.2901255	total: 12s	remaining: 22.7s
3458:	learn: 38.2824172	total: 12s	remaining: 22.7s
3459:	learn: 38.2789551	total: 12s	remaining: 22.7s
3460:	learn: 38.2755403	total: 12s	remaining: 22.7s
3461:	learn: 38.2733039	total: 12s	remaining: 22.7s
3462:	learn: 38.2672613	total: 12s	remaining: 22.7s
3463:	learn: 38.2638919	total: 12s	remaining: 22.7s
3464:	learn: 38.2597120	total: 12s	remaining: 22.7s
3465:	learn: 38.2563080	total: 12s	remaining: 22.7s
3466:	learn: 38.2463577	total: 12s	remaining: 22.7s
3467:	learn: 38.2396168	total: 12s	remaining: 22.7s
3468:	learn: 38.2394467	total: 12s	remaining: 22.7s
3469:	learn: 38.2362516	total: 12.1s	remaining: 22.7s
3470:	learn: 38.2280980	total: 12.1s	remaining: 22.7s
3471:	learn: 38.2236967	total: 12.1s	remaining: 22.7s
3472:	learn: 38.2169171	total: 12.1s	remaining: 22.7s
3473:	learn: 38.2127845	total: 12.1s	remaining: 22.7s
3474:	learn: 38.2117591	total: 12.1s	remaining: 22.7s
3475:	learn: 38.2041000	total: 12.1s	remaining: 22.7s
3476:	learn: 38.2003710	total: 12.1s	remaining: 22.7s
3477:	learn: 38.1968222	total: 12.1s	remaining: 22.6s

3478:	learn: 38.1938948	total: 12.1s	remaining: 22.6s
3479:	learn: 38.1897832	total: 12.1s	remaining: 22.6s
3480:	learn: 38.1829216	total: 12.1s	remaining: 22.6s
3481:	learn: 38.1781083	total: 12.1s	remaining: 22.6s
3482:	learn: 38.1710071	total: 12.1s	remaining: 22.6s
3483:	learn: 38.1675972	total: 12.1s	remaining: 22.6s
3484:	learn: 38.1640472	total: 12.1s	remaining: 22.6s
3485:	learn: 38.1579600	total: 12.1s	remaining: 22.6s
3486:	learn: 38.1528844	total: 12.1s	remaining: 22.6s
3487:	learn: 38.1526706	total: 12.1s	remaining: 22.6s
3488:	learn: 38.1482002	total: 12.1s	remaining: 22.6s
3489:	learn: 38.1406589	total: 12.1s	remaining: 22.6s
3490:	learn: 38.1378653	total: 12.1s	remaining: 22.6s
3491:	learn: 38.1323612	total: 12.1s	remaining: 22.6s
3492:	learn: 38.1264568	total: 12.1s	remaining: 22.6s
3493:	learn: 38.1227996	total: 12.1s	remaining: 22.6s
3494:	learn: 38.1180937	total: 12.1s	remaining: 22.6s
3495:	learn: 38.1131268	total: 12.1s	remaining: 22.6s
3496:	learn: 38.1084635	total: 12.1s	remaining: 22.6s
3497:	learn: 38.0994763	total: 12.1s	remaining: 22.6s
3498:	learn: 38.0927013	total: 12.1s	remaining: 22.6s
3499:	learn: 38.0850473	total: 12.2s	remaining: 22.6s
3500:	learn: 38.0796123	total: 12.2s	remaining: 22.6s
3501:	learn: 38.0750880	total: 12.2s	remaining: 22.6s
3502:	learn: 38.0689654	total: 12.2s	remaining: 22.6s
3503:	learn: 38.0629062	total: 12.2s	remaining: 22.6s
3504:	learn: 38.0585205	total: 12.2s	remaining: 22.6s
3505:	learn: 38.0541350	total: 12.2s	remaining: 22.5s
3506:	learn: 38.0476294	total: 12.2s	remaining: 22.5s
3507:	learn: 38.0445193	total: 12.2s	remaining: 22.5s
3508:	learn: 38.0419909	total: 12.2s	remaining: 22.5s
3509:	learn: 38.0382265	total: 12.2s	remaining: 22.5s
3510:	learn: 38.0340916	total: 12.2s	remaining: 22.5s
3511:	learn: 38.0269891	total: 12.2s	remaining: 22.5s
3512:	learn: 38.0252699	total: 12.2s	remaining: 22.5s
3513:	learn: 38.0215239	total: 12.2s	remaining: 22.5s
3514:	learn: 38.0170602	total: 12.2s	remaining: 22.5s
3515:	learn: 38.0102343	total: 12.2s	remaining: 22.5s
3516:	learn: 38.0060953	total: 12.2s	remaining: 22.5s
3517:	learn: 38.0032557	total: 12.2s	remaining: 22.5s
3518:	learn: 37.9972680	total: 12.2s	remaining: 22.5s
3519:	learn: 37.9911799	total: 12.2s	remaining: 22.5s
3520:	learn: 37.9861175	total: 12.2s	remaining: 22.5s
3521:	learn: 37.9827692	total: 12.2s	remaining: 22.5s
3522:	learn: 37.9749999	total: 12.2s	remaining: 22.5s
3523:	learn: 37.9722367	total: 12.2s	remaining: 22.5s
3524:	learn: 37.9674514	total: 12.2s	remaining: 22.5s
3525:	learn: 37.9633756	total: 12.2s	remaining: 22.5s
3526:	learn: 37.9598197	total: 12.2s	remaining: 22.5s
3527:	learn: 37.9597255	total: 12.2s	remaining: 22.5s
3528:	learn: 37.9579392	total: 12.2s	remaining: 22.5s
3529:	learn: 37.9516628	total: 12.3s	remaining: 22.5s
3530:	learn: 37.9474816	total: 12.3s	remaining: 22.5s
3531:	learn: 37.9430691	total: 12.3s	remaining: 22.5s
3532:	learn: 37.9391407	total: 12.3s	remaining: 22.4s
3533:	learn: 37.9357296	total: 12.3s	remaining: 22.4s
3534:	learn: 37.9356406	total: 12.3s	remaining: 22.4s
3535:	learn: 37.9306401	total: 12.3s	remaining: 22.4s
3536:	learn: 37.9245640	total: 12.3s	remaining: 22.4s
3537:	learn: 37.9187208	total: 12.3s	remaining: 22.4s
3538:	learn: 37.9120872	total: 12.3s	remaining: 22.4s
3539:	learn: 37.9120133	total: 12.3s	remaining: 22.4s
3540:	learn: 37.9111266	total: 12.3s	remaining: 22.4s
3541:	learn: 37.9051914	total: 12.3s	remaining: 22.4s
3542:	learn: 37.8996320	total: 12.3s	remaining: 22.4s
3543:	learn: 37.8930971	total: 12.3s	remaining: 22.4s
3544:	learn: 37.8868113	total: 12.3s	remaining: 22.4s
3545:	learn: 37.8827863	total: 12.3s	remaining: 22.4s
3546:	learn: 37.8770712	total: 12.3s	remaining: 22.4s
3547:	learn: 37.8745055	total: 12.3s	remaining: 22.4s
3548:	learn: 37.8725498	total: 12.3s	remaining: 22.4s
3549:	learn: 37.8669223	total: 12.3s	remaining: 22.4s
3550:	learn: 37.8617064	total: 12.3s	remaining: 22.4s
3551:	learn: 37.8568095	total: 12.3s	remaining: 22.4s

3552:	learn: 37.8529242	total: 12.3s	remaining: 22.4s
3553:	learn: 37.8485503	total: 12.3s	remaining: 22.4s
3554:	learn: 37.8437966	total: 12.3s	remaining: 22.4s
3555:	learn: 37.8402100	total: 12.3s	remaining: 22.4s
3556:	learn: 37.8367456	total: 12.3s	remaining: 22.4s
3557:	learn: 37.8335211	total: 12.3s	remaining: 22.4s
3558:	learn: 37.8260832	total: 12.4s	remaining: 22.4s
3559:	learn: 37.8217430	total: 12.4s	remaining: 22.4s
3560:	learn: 37.8194982	total: 12.4s	remaining: 22.3s
3561:	learn: 37.8165993	total: 12.4s	remaining: 22.3s
3562:	learn: 37.8102375	total: 12.4s	remaining: 22.3s
3563:	learn: 37.8050355	total: 12.4s	remaining: 22.3s
3564:	learn: 37.8014055	total: 12.4s	remaining: 22.3s
3565:	learn: 37.8013395	total: 12.4s	remaining: 22.3s
3566:	learn: 37.7955651	total: 12.4s	remaining: 22.3s
3567:	learn: 37.7934179	total: 12.4s	remaining: 22.3s
3568:	learn: 37.7891843	total: 12.4s	remaining: 22.3s
3569:	learn: 37.7829718	total: 12.4s	remaining: 22.3s
3570:	learn: 37.7751601	total: 12.4s	remaining: 22.3s
3571:	learn: 37.7696824	total: 12.4s	remaining: 22.3s
3572:	learn: 37.7679594	total: 12.4s	remaining: 22.3s
3573:	learn: 37.7646264	total: 12.4s	remaining: 22.3s
3574:	learn: 37.7594968	total: 12.4s	remaining: 22.3s
3575:	learn: 37.7557348	total: 12.4s	remaining: 22.3s
3576:	learn: 37.7521301	total: 12.4s	remaining: 22.3s
3577:	learn: 37.7495741	total: 12.4s	remaining: 22.3s
3578:	learn: 37.7474995	total: 12.4s	remaining: 22.3s
3579:	learn: 37.7405053	total: 12.4s	remaining: 22.3s
3580:	learn: 37.7380790	total: 12.4s	remaining: 22.3s
3581:	learn: 37.7327651	total: 12.4s	remaining: 22.3s
3582:	learn: 37.7298206	total: 12.4s	remaining: 22.3s
3583:	learn: 37.7231916	total: 12.4s	remaining: 22.3s
3584:	learn: 37.7231017	total: 12.4s	remaining: 22.3s
3585:	learn: 37.7165524	total: 12.4s	remaining: 22.3s
3586:	learn: 37.7116947	total: 12.4s	remaining: 22.3s
3587:	learn: 37.7082868	total: 12.4s	remaining: 22.2s
3588:	learn: 37.7040201	total: 12.5s	remaining: 22.2s
3589:	learn: 37.6972918	total: 12.5s	remaining: 22.2s
3590:	learn: 37.6950229	total: 12.5s	remaining: 22.2s
3591:	learn: 37.6902669	total: 12.5s	remaining: 22.2s
3592:	learn: 37.6880947	total: 12.5s	remaining: 22.2s
3593:	learn: 37.6858878	total: 12.5s	remaining: 22.2s
3594:	learn: 37.6801185	total: 12.5s	remaining: 22.2s
3595:	learn: 37.6755313	total: 12.5s	remaining: 22.2s
3596:	learn: 37.6710750	total: 12.5s	remaining: 22.2s
3597:	learn: 37.6666387	total: 12.5s	remaining: 22.2s
3598:	learn: 37.6611449	total: 12.5s	remaining: 22.2s
3599:	learn: 37.6588437	total: 12.5s	remaining: 22.2s
3600:	learn: 37.6562249	total: 12.5s	remaining: 22.2s
3601:	learn: 37.6513251	total: 12.5s	remaining: 22.2s
3602:	learn: 37.6468278	total: 12.5s	remaining: 22.2s
3603:	learn: 37.6455208	total: 12.5s	remaining: 22.2s
3604:	learn: 37.6378183	total: 12.5s	remaining: 22.2s
3605:	learn: 37.6307395	total: 12.5s	remaining: 22.2s
3606:	learn: 37.6256662	total: 12.5s	remaining: 22.2s
3607:	learn: 37.6244590	total: 12.5s	remaining: 22.2s
3608:	learn: 37.6165066	total: 12.5s	remaining: 22.2s
3609:	learn: 37.6096789	total: 12.5s	remaining: 22.2s
3610:	learn: 37.6069262	total: 12.5s	remaining: 22.2s
3611:	learn: 37.6020344	total: 12.5s	remaining: 22.2s
3612:	learn: 37.5991934	total: 12.5s	remaining: 22.2s
3613:	learn: 37.5944752	total: 12.5s	remaining: 22.2s
3614:	learn: 37.5884563	total: 12.5s	remaining: 22.1s
3615:	learn: 37.5820600	total: 12.5s	remaining: 22.1s
3616:	learn: 37.5751949	total: 12.5s	remaining: 22.1s
3617:	learn: 37.5735584	total: 12.6s	remaining: 22.1s
3618:	learn: 37.5678014	total: 12.6s	remaining: 22.1s
3619:	learn: 37.5623236	total: 12.6s	remaining: 22.1s
3620:	learn: 37.5570336	total: 12.6s	remaining: 22.1s
3621:	learn: 37.5531544	total: 12.6s	remaining: 22.1s
3622:	learn: 37.5495849	total: 12.6s	remaining: 22.1s
3623:	learn: 37.5459884	total: 12.6s	remaining: 22.1s
3624:	learn: 37.5408838	total: 12.6s	remaining: 22.1s
3625:	learn: 37.5348243	total: 12.6s	remaining: 22.1s

3626: learn: 37.5307733 total: 12.6s remaining: 22.1s
3627: learn: 37.5242672 total: 12.6s remaining: 22.1s
3628: learn: 37.5202245 total: 12.6s remaining: 22.1s
3629: learn: 37.5171895 total: 12.6s remaining: 22.1s
3630: learn: 37.5106563 total: 12.6s remaining: 22.1s
3631: learn: 37.5061069 total: 12.6s remaining: 22.1s
3632: learn: 37.5020804 total: 12.6s remaining: 22.1s
3633: learn: 37.4990365 total: 12.6s remaining: 22.1s
3634: learn: 37.4958111 total: 12.6s remaining: 22.1s
3635: learn: 37.4909691 total: 12.6s remaining: 22.1s
3636: learn: 37.4861518 total: 12.6s remaining: 22.1s
3637: learn: 37.4840818 total: 12.6s remaining: 22.1s
3638: learn: 37.4810374 total: 12.6s remaining: 22.1s
3639: learn: 37.4764617 total: 12.6s remaining: 22.1s
3640: learn: 37.4690941 total: 12.6s remaining: 22.1s
3641: learn: 37.4647812 total: 12.6s remaining: 22.1s
3642: learn: 37.4619439 total: 12.6s remaining: 22.1s
3643: learn: 37.4569050 total: 12.6s remaining: 22s
3644: learn: 37.4568199 total: 12.6s remaining: 22s
3645: learn: 37.4556185 total: 12.6s remaining: 22s
3646: learn: 37.4510460 total: 12.7s remaining: 22s
3647: learn: 37.4431482 total: 12.7s remaining: 22s
3648: learn: 37.4402893 total: 12.7s remaining: 22s
3649: learn: 37.4348612 total: 12.7s remaining: 22s
3650: learn: 37.4318734 total: 12.7s remaining: 22s
3651: learn: 37.4295776 total: 12.7s remaining: 22s
3652: learn: 37.4266371 total: 12.7s remaining: 22s
3653: learn: 37.4234047 total: 12.7s remaining: 22s
3654: learn: 37.4222303 total: 12.7s remaining: 22s
3655: learn: 37.4161266 total: 12.7s remaining: 22s
3656: learn: 37.4134058 total: 12.7s remaining: 22s
3657: learn: 37.4094430 total: 12.7s remaining: 22s
3658: learn: 37.4067393 total: 12.7s remaining: 22s
3659: learn: 37.4039213 total: 12.7s remaining: 22s
3660: learn: 37.3987214 total: 12.7s remaining: 22s
3661: learn: 37.3949643 total: 12.7s remaining: 22s
3662: learn: 37.3899872 total: 12.7s remaining: 22s
3663: learn: 37.3833346 total: 12.7s remaining: 22s
3664: learn: 37.3774445 total: 12.7s remaining: 22s
3665: learn: 37.3752369 total: 12.7s remaining: 22s
3666: learn: 37.3719394 total: 12.7s remaining: 22s
3667: learn: 37.3673469 total: 12.7s remaining: 22s
3668: learn: 37.3629052 total: 12.7s remaining: 22s
3669: learn: 37.3602695 total: 12.7s remaining: 22s
3670: learn: 37.3540289 total: 12.7s remaining: 22s
3671: learn: 37.3506289 total: 12.7s remaining: 22s
3672: learn: 37.3466879 total: 12.7s remaining: 22s
3673: learn: 37.3428682 total: 12.7s remaining: 22s
3674: learn: 37.3396442 total: 12.8s remaining: 21.9s
3675: learn: 37.3370902 total: 12.8s remaining: 21.9s
3676: learn: 37.3328141 total: 12.8s remaining: 21.9s
3677: learn: 37.3317119 total: 12.8s remaining: 21.9s
3678: learn: 37.3278421 total: 12.8s remaining: 21.9s
3679: learn: 37.3243278 total: 12.8s remaining: 21.9s
3680: learn: 37.3187998 total: 12.8s remaining: 21.9s
3681: learn: 37.3177070 total: 12.8s remaining: 21.9s
3682: learn: 37.3154236 total: 12.8s remaining: 21.9s
3683: learn: 37.3080338 total: 12.8s remaining: 21.9s
3684: learn: 37.3035906 total: 12.8s remaining: 21.9s
3685: learn: 37.2978386 total: 12.8s remaining: 21.9s
3686: learn: 37.2971702 total: 12.8s remaining: 21.9s
3687: learn: 37.2908378 total: 12.8s remaining: 21.9s
3688: learn: 37.2872281 total: 12.8s remaining: 21.9s
3689: learn: 37.2840609 total: 12.8s remaining: 21.9s
3690: learn: 37.2795186 total: 12.8s remaining: 21.9s
3691: learn: 37.2775478 total: 12.8s remaining: 21.9s
3692: learn: 37.2704966 total: 12.8s remaining: 21.9s
3693: learn: 37.2656944 total: 12.8s remaining: 21.9s
3694: learn: 37.2600821 total: 12.8s remaining: 21.9s
3695: learn: 37.2541114 total: 12.8s remaining: 21.9s
3696: learn: 37.2527741 total: 12.8s remaining: 21.9s
3697: learn: 37.2483021 total: 12.8s remaining: 21.9s
3698: learn: 37.2413673 total: 12.8s remaining: 21.9s
3699: learn: 37.2357652 total: 12.8s remaining: 21.9s

3700:	learn: 37.2321584	total: 12.8s	remaining: 21.9s
3701:	learn: 37.2309886	total: 12.8s	remaining: 21.9s
3702:	learn: 37.2266147	total: 12.9s	remaining: 21.9s
3703:	learn: 37.2207685	total: 12.9s	remaining: 21.9s
3704:	learn: 37.2134289	total: 12.9s	remaining: 21.9s
3705:	learn: 37.2093680	total: 12.9s	remaining: 21.8s
3706:	learn: 37.2066821	total: 12.9s	remaining: 21.8s
3707:	learn: 37.2066007	total: 12.9s	remaining: 21.8s
3708:	learn: 37.2011030	total: 12.9s	remaining: 21.8s
3709:	learn: 37.1953871	total: 12.9s	remaining: 21.8s
3710:	learn: 37.1920667	total: 12.9s	remaining: 21.8s
3711:	learn: 37.1877538	total: 12.9s	remaining: 21.8s
3712:	learn: 37.1849073	total: 12.9s	remaining: 21.8s
3713:	learn: 37.1788215	total: 12.9s	remaining: 21.8s
3714:	learn: 37.1748490	total: 12.9s	remaining: 21.8s
3715:	learn: 37.1721389	total: 12.9s	remaining: 21.8s
3716:	learn: 37.1694766	total: 12.9s	remaining: 21.8s
3717:	learn: 37.1645983	total: 12.9s	remaining: 21.8s
3718:	learn: 37.1592058	total: 12.9s	remaining: 21.8s
3719:	learn: 37.1511637	total: 12.9s	remaining: 21.8s
3720:	learn: 37.1474956	total: 12.9s	remaining: 21.8s
3721:	learn: 37.1417492	total: 12.9s	remaining: 21.8s
3722:	learn: 37.1359853	total: 12.9s	remaining: 21.8s
3723:	learn: 37.1297057	total: 12.9s	remaining: 21.8s
3724:	learn: 37.1209708	total: 12.9s	remaining: 21.8s
3725:	learn: 37.1147678	total: 12.9s	remaining: 21.8s
3726:	learn: 37.1095131	total: 12.9s	remaining: 21.8s
3727:	learn: 37.1056454	total: 12.9s	remaining: 21.8s
3728:	learn: 37.1007966	total: 12.9s	remaining: 21.8s
3729:	learn: 37.0957092	total: 12.9s	remaining: 21.8s
3730:	learn: 37.0889949	total: 13s	remaining: 21.8s
3731:	learn: 37.0858900	total: 13s	remaining: 21.8s
3732:	learn: 37.0758606	total: 13s	remaining: 21.8s
3733:	learn: 37.0704479	total: 13s	remaining: 21.8s
3734:	learn: 37.0688225	total: 13s	remaining: 21.8s
3735:	learn: 37.0666163	total: 13s	remaining: 21.7s
3736:	learn: 37.0572280	total: 13s	remaining: 21.7s
3737:	learn: 37.0490853	total: 13s	remaining: 21.7s
3738:	learn: 37.0473621	total: 13s	remaining: 21.7s
3739:	learn: 37.0467585	total: 13s	remaining: 21.7s
3740:	learn: 37.0425749	total: 13s	remaining: 21.7s
3741:	learn: 37.0380168	total: 13s	remaining: 21.7s
3742:	learn: 37.0361367	total: 13s	remaining: 21.7s
3743:	learn: 37.0318102	total: 13s	remaining: 21.7s
3744:	learn: 37.0295660	total: 13s	remaining: 21.7s
3745:	learn: 37.0290030	total: 13s	remaining: 21.7s
3746:	learn: 37.0211197	total: 13s	remaining: 21.7s
3747:	learn: 37.0153558	total: 13s	remaining: 21.7s
3748:	learn: 37.0117205	total: 13s	remaining: 21.7s
3749:	learn: 37.0059470	total: 13s	remaining: 21.7s
3750:	learn: 36.9991074	total: 13s	remaining: 21.7s
3751:	learn: 36.9966671	total: 13s	remaining: 21.7s
3752:	learn: 36.9938949	total: 13s	remaining: 21.7s
3753:	learn: 36.9885079	total: 13s	remaining: 21.7s
3754:	learn: 36.9846982	total: 13s	remaining: 21.7s
3755:	learn: 36.9831304	total: 13s	remaining: 21.7s
3756:	learn: 36.9783840	total: 13s	remaining: 21.7s
3757:	learn: 36.9726162	total: 13s	remaining: 21.7s
3758:	learn: 36.9685507	total: 13s	remaining: 21.7s
3759:	learn: 36.9622812	total: 13.1s	remaining: 21.7s
3760:	learn: 36.9579557	total: 13.1s	remaining: 21.7s
3761:	learn: 36.9519188	total: 13.1s	remaining: 21.7s
3762:	learn: 36.9476930	total: 13.1s	remaining: 21.6s
3763:	learn: 36.9416687	total: 13.1s	remaining: 21.6s
3764:	learn: 36.9317132	total: 13.1s	remaining: 21.6s
3765:	learn: 36.9268221	total: 13.1s	remaining: 21.6s
3766:	learn: 36.9214711	total: 13.1s	remaining: 21.6s
3767:	learn: 36.9149277	total: 13.1s	remaining: 21.6s
3768:	learn: 36.9112865	total: 13.1s	remaining: 21.6s
3769:	learn: 36.9036042	total: 13.1s	remaining: 21.6s
3770:	learn: 36.9004732	total: 13.1s	remaining: 21.6s
3771:	learn: 36.8965284	total: 13.1s	remaining: 21.6s
3772:	learn: 36.8929537	total: 13.1s	remaining: 21.6s
3773:	learn: 36.8911427	total: 13.1s	remaining: 21.6s

3774:	learn: 36.8851155	total: 13.1s	remaining: 21.6s
3775:	learn: 36.8811098	total: 13.1s	remaining: 21.6s
3776:	learn: 36.8810311	total: 13.1s	remaining: 21.6s
3777:	learn: 36.8767075	total: 13.1s	remaining: 21.6s
3778:	learn: 36.8732318	total: 13.1s	remaining: 21.6s
3779:	learn: 36.8654020	total: 13.1s	remaining: 21.6s
3780:	learn: 36.8608929	total: 13.1s	remaining: 21.6s
3781:	learn: 36.8563655	total: 13.1s	remaining: 21.6s
3782:	learn: 36.8535686	total: 13.1s	remaining: 21.6s
3783:	learn: 36.8488023	total: 13.1s	remaining: 21.6s
3784:	learn: 36.8451799	total: 13.1s	remaining: 21.6s
3785:	learn: 36.8418684	total: 13.1s	remaining: 21.6s
3786:	learn: 36.8363136	total: 13.1s	remaining: 21.6s
3787:	learn: 36.8293175	total: 13.1s	remaining: 21.6s
3788:	learn: 36.8252700	total: 13.2s	remaining: 21.6s
3789:	learn: 36.8179822	total: 13.2s	remaining: 21.6s
3790:	learn: 36.8125709	total: 13.2s	remaining: 21.5s
3791:	learn: 36.8086720	total: 13.2s	remaining: 21.5s
3792:	learn: 36.8061610	total: 13.2s	remaining: 21.5s
3793:	learn: 36.8005282	total: 13.2s	remaining: 21.5s
3794:	learn: 36.7964643	total: 13.2s	remaining: 21.5s
3795:	learn: 36.7944296	total: 13.2s	remaining: 21.5s
3796:	learn: 36.7923538	total: 13.2s	remaining: 21.5s
3797:	learn: 36.7872897	total: 13.2s	remaining: 21.5s
3798:	learn: 36.7832598	total: 13.2s	remaining: 21.5s
3799:	learn: 36.7744282	total: 13.2s	remaining: 21.5s
3800:	learn: 36.7696545	total: 13.2s	remaining: 21.5s
3801:	learn: 36.7630466	total: 13.2s	remaining: 21.5s
3802:	learn: 36.7583150	total: 13.2s	remaining: 21.5s
3803:	learn: 36.7554784	total: 13.2s	remaining: 21.5s
3804:	learn: 36.7519083	total: 13.2s	remaining: 21.5s
3805:	learn: 36.7469583	total: 13.2s	remaining: 21.5s
3806:	learn: 36.7411366	total: 13.2s	remaining: 21.5s
3807:	learn: 36.7392180	total: 13.2s	remaining: 21.5s
3808:	learn: 36.7355094	total: 13.2s	remaining: 21.5s
3809:	learn: 36.7341052	total: 13.2s	remaining: 21.5s
3810:	learn: 36.7286276	total: 13.2s	remaining: 21.5s
3811:	learn: 36.7226054	total: 13.2s	remaining: 21.5s
3812:	learn: 36.7165657	total: 13.2s	remaining: 21.5s
3813:	learn: 36.7139812	total: 13.2s	remaining: 21.5s
3814:	learn: 36.7074921	total: 13.2s	remaining: 21.5s
3815:	learn: 36.7036391	total: 13.2s	remaining: 21.5s
3816:	learn: 36.6986444	total: 13.2s	remaining: 21.5s
3817:	learn: 36.6960846	total: 13.2s	remaining: 21.4s
3818:	learn: 36.6908646	total: 13.3s	remaining: 21.4s
3819:	learn: 36.6870445	total: 13.3s	remaining: 21.4s
3820:	learn: 36.6820502	total: 13.3s	remaining: 21.4s
3821:	learn: 36.6777211	total: 13.3s	remaining: 21.4s
3822:	learn: 36.6755600	total: 13.3s	remaining: 21.4s
3823:	learn: 36.6661282	total: 13.3s	remaining: 21.4s
3824:	learn: 36.6617812	total: 13.3s	remaining: 21.4s
3825:	learn: 36.6578682	total: 13.3s	remaining: 21.4s
3826:	learn: 36.6532395	total: 13.3s	remaining: 21.4s
3827:	learn: 36.6463048	total: 13.3s	remaining: 21.4s
3828:	learn: 36.6454641	total: 13.3s	remaining: 21.4s
3829:	learn: 36.6437472	total: 13.3s	remaining: 21.4s
3830:	learn: 36.6390470	total: 13.3s	remaining: 21.4s
3831:	learn: 36.6349787	total: 13.3s	remaining: 21.4s
3832:	learn: 36.6302500	total: 13.3s	remaining: 21.4s
3833:	learn: 36.6246070	total: 13.3s	remaining: 21.4s
3834:	learn: 36.6245036	total: 13.3s	remaining: 21.4s
3835:	learn: 36.6178594	total: 13.3s	remaining: 21.4s
3836:	learn: 36.6126509	total: 13.3s	remaining: 21.4s
3837:	learn: 36.6112575	total: 13.3s	remaining: 21.4s
3838:	learn: 36.6056395	total: 13.3s	remaining: 21.4s
3839:	learn: 36.5999226	total: 13.3s	remaining: 21.4s
3840:	learn: 36.5955685	total: 13.3s	remaining: 21.4s
3841:	learn: 36.5875981	total: 13.3s	remaining: 21.4s
3842:	learn: 36.5857286	total: 13.3s	remaining: 21.4s
3843:	learn: 36.5836428	total: 13.3s	remaining: 21.4s
3844:	learn: 36.5811345	total: 13.3s	remaining: 21.4s
3845:	learn: 36.5740449	total: 13.3s	remaining: 21.3s
3846:	learn: 36.5700741	total: 13.3s	remaining: 21.3s
3847:	learn: 36.5661605	total: 13.3s	remaining: 21.3s

3848: learn: 36.5606797 total: 13.4s remaining: 21.3s
3849: learn: 36.5575796 total: 13.4s remaining: 21.3s
3850: learn: 36.5505860 total: 13.4s remaining: 21.3s
3851: learn: 36.5466881 total: 13.4s remaining: 21.3s
3852: learn: 36.5436625 total: 13.4s remaining: 21.3s
3853: learn: 36.5379380 total: 13.4s remaining: 21.3s
3854: learn: 36.5320999 total: 13.4s remaining: 21.3s
3855: learn: 36.5285367 total: 13.4s remaining: 21.3s
3856: learn: 36.5242720 total: 13.4s remaining: 21.3s
3857: learn: 36.5195298 total: 13.4s remaining: 21.3s
3858: learn: 36.5185682 total: 13.4s remaining: 21.3s
3859: learn: 36.5152377 total: 13.4s remaining: 21.3s
3860: learn: 36.5120029 total: 13.4s remaining: 21.3s
3861: learn: 36.5069611 total: 13.4s remaining: 21.3s
3862: learn: 36.5024312 total: 13.4s remaining: 21.3s
3863: learn: 36.4992534 total: 13.4s remaining: 21.3s
3864: learn: 36.4973533 total: 13.4s remaining: 21.3s
3865: learn: 36.4923739 total: 13.4s remaining: 21.3s
3866: learn: 36.4827198 total: 13.4s remaining: 21.3s
3867: learn: 36.4763513 total: 13.4s remaining: 21.3s
3868: learn: 36.4731214 total: 13.4s remaining: 21.3s
3869: learn: 36.4675510 total: 13.4s remaining: 21.3s
3870: learn: 36.4616131 total: 13.4s remaining: 21.3s
3871: learn: 36.4588788 total: 13.4s remaining: 21.3s
3872: learn: 36.4555983 total: 13.4s remaining: 21.3s
3873: learn: 36.4470477 total: 13.4s remaining: 21.2s
3874: learn: 36.4408797 total: 13.4s remaining: 21.2s
3875: learn: 36.4347295 total: 13.4s remaining: 21.2s
3876: learn: 36.4303551 total: 13.4s remaining: 21.2s
3877: learn: 36.4253936 total: 13.4s remaining: 21.2s
3878: learn: 36.4182891 total: 13.5s remaining: 21.2s
3879: learn: 36.4142012 total: 13.5s remaining: 21.2s
3880: learn: 36.4074369 total: 13.5s remaining: 21.2s
3881: learn: 36.4021083 total: 13.5s remaining: 21.2s
3882: learn: 36.3954491 total: 13.5s remaining: 21.2s
3883: learn: 36.3946017 total: 13.5s remaining: 21.2s
3884: learn: 36.3945441 total: 13.5s remaining: 21.2s
3885: learn: 36.3896701 total: 13.5s remaining: 21.2s
3886: learn: 36.3872123 total: 13.5s remaining: 21.2s
3887: learn: 36.3863541 total: 13.5s remaining: 21.2s
3888: learn: 36.3814441 total: 13.5s remaining: 21.2s
3889: learn: 36.3749306 total: 13.5s remaining: 21.2s
3890: learn: 36.3731237 total: 13.5s remaining: 21.2s
3891: learn: 36.3685994 total: 13.5s remaining: 21.2s
3892: learn: 36.3641252 total: 13.5s remaining: 21.2s
3893: learn: 36.3611015 total: 13.5s remaining: 21.2s
3894: learn: 36.3566268 total: 13.5s remaining: 21.2s
3895: learn: 36.3519635 total: 13.5s remaining: 21.2s
3896: learn: 36.3450838 total: 13.5s remaining: 21.2s
3897: learn: 36.3394120 total: 13.5s remaining: 21.2s
3898: learn: 36.3365684 total: 13.5s remaining: 21.2s
3899: learn: 36.3318296 total: 13.5s remaining: 21.2s
3900: learn: 36.3271705 total: 13.5s remaining: 21.1s
3901: learn: 36.3215489 total: 13.5s remaining: 21.1s
3902: learn: 36.3200969 total: 13.5s remaining: 21.1s
3903: learn: 36.3161139 total: 13.5s remaining: 21.1s
3904: learn: 36.3110828 total: 13.5s remaining: 21.1s
3905: learn: 36.3053636 total: 13.5s remaining: 21.1s
3906: learn: 36.3027364 total: 13.5s remaining: 21.1s
3907: learn: 36.2995733 total: 13.6s remaining: 21.1s
3908: learn: 36.2962615 total: 13.6s remaining: 21.1s
3909: learn: 36.2941590 total: 13.6s remaining: 21.1s
3910: learn: 36.2934542 total: 13.6s remaining: 21.1s
3911: learn: 36.2901084 total: 13.6s remaining: 21.1s
3912: learn: 36.2893973 total: 13.6s remaining: 21.1s
3913: learn: 36.2873642 total: 13.6s remaining: 21.1s
3914: learn: 36.2810130 total: 13.6s remaining: 21.1s
3915: learn: 36.2781237 total: 13.6s remaining: 21.1s
3916: learn: 36.2740153 total: 13.6s remaining: 21.1s
3917: learn: 36.2720841 total: 13.6s remaining: 21.1s
3918: learn: 36.2652041 total: 13.6s remaining: 21.1s
3919: learn: 36.2598707 total: 13.6s remaining: 21.1s
3920: learn: 36.2523554 total: 13.6s remaining: 21.1s
3921: learn: 36.2500792 total: 13.6s remaining: 21.1s

3922:	learn: 36.2420416	total: 13.6s	remaining: 21.1s
3923:	learn: 36.2373478	total: 13.6s	remaining: 21.1s
3924:	learn: 36.2325299	total: 13.6s	remaining: 21.1s
3925:	learn: 36.2300949	total: 13.6s	remaining: 21.1s
3926:	learn: 36.2257792	total: 13.6s	remaining: 21.1s
3927:	learn: 36.2210986	total: 13.6s	remaining: 21.1s
3928:	learn: 36.2150195	total: 13.6s	remaining: 21s
3929:	learn: 36.2114183	total: 13.6s	remaining: 21s
3930:	learn: 36.2058567	total: 13.6s	remaining: 21s
3931:	learn: 36.1988700	total: 13.6s	remaining: 21s
3932:	learn: 36.1935114	total: 13.6s	remaining: 21s
3933:	learn: 36.1907546	total: 13.6s	remaining: 21s
3934:	learn: 36.1856401	total: 13.6s	remaining: 21s
3935:	learn: 36.1805031	total: 13.6s	remaining: 21s
3936:	learn: 36.1749042	total: 13.6s	remaining: 21s
3937:	learn: 36.1703836	total: 13.7s	remaining: 21s
3938:	learn: 36.1631142	total: 13.7s	remaining: 21s
3939:	learn: 36.1590730	total: 13.7s	remaining: 21s
3940:	learn: 36.1551927	total: 13.7s	remaining: 21s
3941:	learn: 36.1536062	total: 13.7s	remaining: 21s
3942:	learn: 36.1499482	total: 13.7s	remaining: 21s
3943:	learn: 36.1491165	total: 13.7s	remaining: 21s
3944:	learn: 36.1427003	total: 13.7s	remaining: 21s
3945:	learn: 36.1367667	total: 13.7s	remaining: 21s
3946:	learn: 36.1350658	total: 13.7s	remaining: 21s
3947:	learn: 36.1317196	total: 13.7s	remaining: 21s
3948:	learn: 36.1229575	total: 13.7s	remaining: 21s
3949:	learn: 36.1177612	total: 13.7s	remaining: 21s
3950:	learn: 36.1130482	total: 13.7s	remaining: 21s
3951:	learn: 36.1099913	total: 13.7s	remaining: 21s
3952:	learn: 36.1073472	total: 13.7s	remaining: 21s
3953:	learn: 36.1038349	total: 13.7s	remaining: 21s
3954:	learn: 36.0987233	total: 13.7s	remaining: 21s
3955:	learn: 36.0949419	total: 13.7s	remaining: 20.9s
3956:	learn: 36.0901663	total: 13.7s	remaining: 20.9s
3957:	learn: 36.0863008	total: 13.7s	remaining: 20.9s
3958:	learn: 36.0847705	total: 13.7s	remaining: 20.9s
3959:	learn: 36.0803751	total: 13.7s	remaining: 20.9s
3960:	learn: 36.0738514	total: 13.7s	remaining: 20.9s
3961:	learn: 36.0718179	total: 13.7s	remaining: 20.9s
3962:	learn: 36.0675254	total: 13.7s	remaining: 20.9s
3963:	learn: 36.0629589	total: 13.7s	remaining: 20.9s
3964:	learn: 36.0620539	total: 13.7s	remaining: 20.9s
3965:	learn: 36.0604854	total: 13.7s	remaining: 20.9s
3966:	learn: 36.0586290	total: 13.7s	remaining: 20.9s
3967:	learn: 36.0557875	total: 13.8s	remaining: 20.9s
3968:	learn: 36.0528510	total: 13.8s	remaining: 20.9s
3969:	learn: 36.0500864	total: 13.8s	remaining: 20.9s
3970:	learn: 36.0479365	total: 13.8s	remaining: 20.9s
3971:	learn: 36.0437932	total: 13.8s	remaining: 20.9s
3972:	learn: 36.0381819	total: 13.8s	remaining: 20.9s
3973:	learn: 36.0375339	total: 13.8s	remaining: 20.9s
3974:	learn: 36.0351147	total: 13.8s	remaining: 20.9s
3975:	learn: 36.0273906	total: 13.8s	remaining: 20.9s
3976:	learn: 36.0241706	total: 13.8s	remaining: 20.9s
3977:	learn: 36.0178033	total: 13.8s	remaining: 20.9s
3978:	learn: 36.0145569	total: 13.8s	remaining: 20.9s
3979:	learn: 36.0092881	total: 13.8s	remaining: 20.9s
3980:	learn: 36.0064600	total: 13.8s	remaining: 20.9s
3981:	learn: 36.0039886	total: 13.8s	remaining: 20.9s
3982:	learn: 35.9973209	total: 13.8s	remaining: 20.8s
3983:	learn: 35.9922095	total: 13.8s	remaining: 20.8s
3984:	learn: 35.9887977	total: 13.8s	remaining: 20.8s
3985:	learn: 35.9863294	total: 13.8s	remaining: 20.8s
3986:	learn: 35.9842490	total: 13.8s	remaining: 20.8s
3987:	learn: 35.9817098	total: 13.8s	remaining: 20.8s
3988:	learn: 35.9804662	total: 13.8s	remaining: 20.8s
3989:	learn: 35.9795980	total: 13.8s	remaining: 20.8s
3990:	learn: 35.9764272	total: 13.8s	remaining: 20.8s
3991:	learn: 35.9694471	total: 13.8s	remaining: 20.8s
3992:	learn: 35.9642179	total: 13.8s	remaining: 20.8s
3993:	learn: 35.9584376	total: 13.8s	remaining: 20.8s
3994:	learn: 35.9539103	total: 13.8s	remaining: 20.8s
3995:	learn: 35.9456785	total: 13.8s	remaining: 20.8s

3996:	learn: 35.9453695	total: 13.8s	remaining: 20.8s
3997:	learn: 35.9429562	total: 13.9s	remaining: 20.8s
3998:	learn: 35.9362827	total: 13.9s	remaining: 20.8s
3999:	learn: 35.9342279	total: 13.9s	remaining: 20.8s
4000:	learn: 35.9251748	total: 13.9s	remaining: 20.8s
4001:	learn: 35.9208339	total: 13.9s	remaining: 20.8s
4002:	learn: 35.9197188	total: 13.9s	remaining: 20.8s
4003:	learn: 35.9179894	total: 13.9s	remaining: 20.8s
4004:	learn: 35.9133263	total: 13.9s	remaining: 20.8s
4005:	learn: 35.9089150	total: 13.9s	remaining: 20.8s
4006:	learn: 35.9034740	total: 13.9s	remaining: 20.8s
4007:	learn: 35.8971945	total: 13.9s	remaining: 20.8s
4008:	learn: 35.8893753	total: 13.9s	remaining: 20.8s
4009:	learn: 35.8838839	total: 13.9s	remaining: 20.8s
4010:	learn: 35.8817367	total: 13.9s	remaining: 20.7s
4011:	learn: 35.8786057	total: 13.9s	remaining: 20.7s
4012:	learn: 35.8747630	total: 13.9s	remaining: 20.7s
4013:	learn: 35.8738153	total: 13.9s	remaining: 20.7s
4014:	learn: 35.8737628	total: 13.9s	remaining: 20.7s
4015:	learn: 35.8675874	total: 13.9s	remaining: 20.7s
4016:	learn: 35.8641593	total: 13.9s	remaining: 20.7s
4017:	learn: 35.8620825	total: 13.9s	remaining: 20.7s
4018:	learn: 35.8565654	total: 13.9s	remaining: 20.7s
4019:	learn: 35.8560009	total: 13.9s	remaining: 20.7s
4020:	learn: 35.8526098	total: 13.9s	remaining: 20.7s
4021:	learn: 35.8487059	total: 13.9s	remaining: 20.7s
4022:	learn: 35.8447916	total: 13.9s	remaining: 20.7s
4023:	learn: 35.8377038	total: 13.9s	remaining: 20.7s
4024:	learn: 35.8321707	total: 13.9s	remaining: 20.7s
4025:	learn: 35.8284943	total: 13.9s	remaining: 20.7s
4026:	learn: 35.8247070	total: 13.9s	remaining: 20.7s
4027:	learn: 35.8206308	total: 14s	remaining: 20.7s
4028:	learn: 35.8183074	total: 14s	remaining: 20.7s
4029:	learn: 35.8093593	total: 14s	remaining: 20.7s
4030:	learn: 35.8025586	total: 14s	remaining: 20.7s
4031:	learn: 35.8000459	total: 14s	remaining: 20.7s
4032:	learn: 35.7960293	total: 14s	remaining: 20.7s
4033:	learn: 35.7935370	total: 14s	remaining: 20.7s
4034:	learn: 35.7890300	total: 14s	remaining: 20.7s
4035:	learn: 35.7852904	total: 14s	remaining: 20.7s
4036:	learn: 35.7810903	total: 14s	remaining: 20.7s
4037:	learn: 35.7763705	total: 14s	remaining: 20.7s
4038:	learn: 35.7719055	total: 14s	remaining: 20.6s
4039:	learn: 35.7681632	total: 14s	remaining: 20.6s
4040:	learn: 35.7650632	total: 14s	remaining: 20.6s
4041:	learn: 35.7607366	total: 14s	remaining: 20.6s
4042:	learn: 35.7542753	total: 14s	remaining: 20.6s
4043:	learn: 35.7515447	total: 14s	remaining: 20.6s
4044:	learn: 35.7489845	total: 14s	remaining: 20.6s
4045:	learn: 35.7431569	total: 14s	remaining: 20.6s
4046:	learn: 35.7389144	total: 14s	remaining: 20.6s
4047:	learn: 35.7351847	total: 14s	remaining: 20.6s
4048:	learn: 35.7300750	total: 14s	remaining: 20.6s
4049:	learn: 35.7264011	total: 14s	remaining: 20.6s
4050:	learn: 35.7209452	total: 14s	remaining: 20.6s
4051:	learn: 35.7165279	total: 14s	remaining: 20.6s
4052:	learn: 35.7130088	total: 14s	remaining: 20.6s
4053:	learn: 35.7115393	total: 14s	remaining: 20.6s
4054:	learn: 35.7042903	total: 14s	remaining: 20.6s
4055:	learn: 35.7018343	total: 14s	remaining: 20.6s
4056:	learn: 35.6958100	total: 14.1s	remaining: 20.6s
4057:	learn: 35.6926958	total: 14.1s	remaining: 20.6s
4058:	learn: 35.6907932	total: 14.1s	remaining: 20.6s
4059:	learn: 35.6851295	total: 14.1s	remaining: 20.6s
4060:	learn: 35.6801615	total: 14.1s	remaining: 20.6s
4061:	learn: 35.6758698	total: 14.1s	remaining: 20.6s
4062:	learn: 35.6696780	total: 14.1s	remaining: 20.6s
4063:	learn: 35.6664935	total: 14.1s	remaining: 20.6s
4064:	learn: 35.6633216	total: 14.1s	remaining: 20.6s
4065:	learn: 35.6575567	total: 14.1s	remaining: 20.6s
4066:	learn: 35.6517847	total: 14.1s	remaining: 20.5s
4067:	learn: 35.6481025	total: 14.1s	remaining: 20.5s
4068:	learn: 35.6460861	total: 14.1s	remaining: 20.5s
4069:	learn: 35.6421898	total: 14.1s	remaining: 20.5s

4070: learn: 35.6393612 total: 14.1s remaining: 20.5s
4071: learn: 35.6342707 total: 14.1s remaining: 20.5s
4072: learn: 35.6261669 total: 14.1s remaining: 20.5s
4073: learn: 35.6223274 total: 14.1s remaining: 20.5s
4074: learn: 35.6175073 total: 14.1s remaining: 20.5s
4075: learn: 35.6104340 total: 14.1s remaining: 20.5s
4076: learn: 35.6047785 total: 14.1s remaining: 20.5s
4077: learn: 35.6007127 total: 14.1s remaining: 20.5s
4078: learn: 35.5952380 total: 14.1s remaining: 20.5s
4079: learn: 35.5928563 total: 14.1s remaining: 20.5s
4080: learn: 35.5897565 total: 14.1s remaining: 20.5s
4081: learn: 35.5856037 total: 14.1s remaining: 20.5s
4082: learn: 35.5811835 total: 14.1s remaining: 20.5s
4083: learn: 35.5793181 total: 14.1s remaining: 20.5s
4084: learn: 35.5743136 total: 14.1s remaining: 20.5s
4085: learn: 35.5719366 total: 14.2s remaining: 20.5s
4086: learn: 35.5703257 total: 14.2s remaining: 20.5s
4087: learn: 35.5679975 total: 14.2s remaining: 20.5s
4088: learn: 35.5654714 total: 14.2s remaining: 20.5s
4089: learn: 35.5639173 total: 14.2s remaining: 20.5s
4090: learn: 35.5619099 total: 14.2s remaining: 20.5s
4091: learn: 35.5586276 total: 14.2s remaining: 20.5s
4092: learn: 35.5561710 total: 14.2s remaining: 20.5s
4093: learn: 35.5527964 total: 14.2s remaining: 20.5s
4094: learn: 35.5444154 total: 14.2s remaining: 20.4s
4095: learn: 35.5366445 total: 14.2s remaining: 20.4s
4096: learn: 35.5326282 total: 14.2s remaining: 20.4s
4097: learn: 35.5300672 total: 14.2s remaining: 20.4s
4098: learn: 35.5261972 total: 14.2s remaining: 20.4s
4099: learn: 35.5244250 total: 14.2s remaining: 20.4s
4100: learn: 35.5208676 total: 14.2s remaining: 20.4s
4101: learn: 35.5167999 total: 14.2s remaining: 20.4s
4102: learn: 35.5150315 total: 14.2s remaining: 20.4s
4103: learn: 35.5114340 total: 14.2s remaining: 20.4s
4104: learn: 35.5067499 total: 14.2s remaining: 20.4s
4105: learn: 35.4981572 total: 14.2s remaining: 20.4s
4106: learn: 35.4957095 total: 14.2s remaining: 20.4s
4107: learn: 35.4921072 total: 14.2s remaining: 20.4s
4108: learn: 35.4892744 total: 14.2s remaining: 20.4s
4109: learn: 35.4827349 total: 14.2s remaining: 20.4s
4110: learn: 35.4795863 total: 14.2s remaining: 20.4s
4111: learn: 35.4767142 total: 14.2s remaining: 20.4s
4112: learn: 35.4718806 total: 14.2s remaining: 20.4s
4113: learn: 35.4679841 total: 14.2s remaining: 20.4s
4114: learn: 35.4661185 total: 14.2s remaining: 20.4s
4115: learn: 35.4627094 total: 14.3s remaining: 20.4s
4116: learn: 35.4569742 total: 14.3s remaining: 20.4s
4117: learn: 35.4561111 total: 14.3s remaining: 20.4s
4118: learn: 35.4523918 total: 14.3s remaining: 20.4s
4119: learn: 35.4470061 total: 14.3s remaining: 20.4s
4120: learn: 35.4456401 total: 14.3s remaining: 20.4s
4121: learn: 35.4424079 total: 14.3s remaining: 20.4s
4122: learn: 35.4395134 total: 14.3s remaining: 20.3s
4123: learn: 35.4327034 total: 14.3s remaining: 20.3s
4124: learn: 35.4287247 total: 14.3s remaining: 20.3s
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4128: learn: 35.4145918 total: 14.3s remaining: 20.3s
4129: learn: 35.4105008 total: 14.3s remaining: 20.3s
4130: learn: 35.4086245 total: 14.3s remaining: 20.3s
4131: learn: 35.4053879 total: 14.3s remaining: 20.3s
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4133: learn: 35.4027397 total: 14.3s remaining: 20.3s
4134: learn: 35.3973100 total: 14.3s remaining: 20.3s
4135: learn: 35.3922995 total: 14.3s remaining: 20.3s
4136: learn: 35.3899038 total: 14.3s remaining: 20.3s
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4141: learn: 35.3750673 total: 14.3s remaining: 20.3s
4142: learn: 35.3718097 total: 14.3s remaining: 20.3s
4143: learn: 35.3675400 total: 14.3s remaining: 20.3s

4144: learn: 35.3632249 total: 14.3s remaining: 20.3s
4145: learn: 35.3581580 total: 14.4s remaining: 20.3s
4146: learn: 35.3547373 total: 14.4s remaining: 20.3s
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4148: learn: 35.3531873 total: 14.4s remaining: 20.3s
4149: learn: 35.3475145 total: 14.4s remaining: 20.3s
4150: learn: 35.3469556 total: 14.4s remaining: 20.2s
4151: learn: 35.3441519 total: 14.4s remaining: 20.2s
4152: learn: 35.3392056 total: 14.4s remaining: 20.2s
4153: learn: 35.3357764 total: 14.4s remaining: 20.2s
4154: learn: 35.3348325 total: 14.4s remaining: 20.2s
4155: learn: 35.3311691 total: 14.4s remaining: 20.2s
4156: learn: 35.3244292 total: 14.4s remaining: 20.2s
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4158: learn: 35.3178268 total: 14.4s remaining: 20.2s
4159: learn: 35.3147159 total: 14.4s remaining: 20.2s
4160: learn: 35.3114641 total: 14.4s remaining: 20.2s
4161: learn: 35.3079638 total: 14.4s remaining: 20.2s
4162: learn: 35.3051407 total: 14.4s remaining: 20.2s
4163: learn: 35.3002700 total: 14.4s remaining: 20.2s
4164: learn: 35.2965049 total: 14.4s remaining: 20.2s
4165: learn: 35.2913679 total: 14.4s remaining: 20.2s
4166: learn: 35.2876783 total: 14.4s remaining: 20.2s
4167: learn: 35.2843539 total: 14.4s remaining: 20.2s
4168: learn: 35.2842945 total: 14.4s remaining: 20.2s
4169: learn: 35.2807505 total: 14.4s remaining: 20.2s
4170: learn: 35.2783023 total: 14.4s remaining: 20.2s
4171: learn: 35.2764045 total: 14.4s remaining: 20.2s
4172: learn: 35.2719275 total: 14.4s remaining: 20.2s
4173: learn: 35.2685996 total: 14.4s remaining: 20.2s
4174: learn: 35.2621470 total: 14.4s remaining: 20.2s
4175: learn: 35.2609620 total: 14.5s remaining: 20.2s
4176: learn: 35.2593821 total: 14.5s remaining: 20.2s
4177: learn: 35.2562664 total: 14.5s remaining: 20.1s
4178: learn: 35.2503919 total: 14.5s remaining: 20.1s
4179: learn: 35.2487826 total: 14.5s remaining: 20.1s
4180: learn: 35.2446972 total: 14.5s remaining: 20.1s
4181: learn: 35.2370577 total: 14.5s remaining: 20.1s
4182: learn: 35.2347076 total: 14.5s remaining: 20.1s
4183: learn: 35.2302893 total: 14.5s remaining: 20.1s
4184: learn: 35.2282213 total: 14.5s remaining: 20.1s
4185: learn: 35.2256231 total: 14.5s remaining: 20.1s
4186: learn: 35.2215889 total: 14.5s remaining: 20.1s
4187: learn: 35.2144002 total: 14.5s remaining: 20.1s
4188: learn: 35.2084640 total: 14.5s remaining: 20.1s
4189: learn: 35.2053075 total: 14.5s remaining: 20.1s
4190: learn: 35.2034549 total: 14.5s remaining: 20.1s
4191: learn: 35.2008571 total: 14.5s remaining: 20.1s
4192: learn: 35.1982434 total: 14.5s remaining: 20.1s
4193: learn: 35.1920349 total: 14.5s remaining: 20.1s
4194: learn: 35.1870919 total: 14.5s remaining: 20.1s
4195: learn: 35.1788537 total: 14.5s remaining: 20.1s
4196: learn: 35.1723855 total: 14.5s remaining: 20.1s
4197: learn: 35.1708800 total: 14.5s remaining: 20.1s
4198: learn: 35.1689074 total: 14.5s remaining: 20.1s
4199: learn: 35.1679444 total: 14.5s remaining: 20.1s
4200: learn: 35.1660417 total: 14.5s remaining: 20.1s
4201: learn: 35.1596697 total: 14.5s remaining: 20.1s
4202: learn: 35.1539588 total: 14.5s remaining: 20.1s
4203: learn: 35.1485722 total: 14.5s remaining: 20.1s
4204: learn: 35.1428424 total: 14.6s remaining: 20.1s
4205: learn: 35.1386709 total: 14.6s remaining: 20s
4206: learn: 35.1351044 total: 14.6s remaining: 20s
4207: learn: 35.1335587 total: 14.6s remaining: 20s
4208: learn: 35.1312156 total: 14.6s remaining: 20s
4209: learn: 35.1307165 total: 14.6s remaining: 20s
4210: learn: 35.1247364 total: 14.6s remaining: 20s
4211: learn: 35.1235825 total: 14.6s remaining: 20s
4212: learn: 35.1206788 total: 14.6s remaining: 20s
4213: learn: 35.1162655 total: 14.6s remaining: 20s
4214: learn: 35.1104972 total: 14.6s remaining: 20s
4215: learn: 35.1056602 total: 14.6s remaining: 20s
4216: learn: 35.0998319 total: 14.6s remaining: 20s
4217: learn: 35.0960868 total: 14.6s remaining: 20s

4218: learn: 35.0936830 total: 14.6s remaining: 20s
4219: learn: 35.0879647 total: 14.6s remaining: 20s
4220: learn: 35.0830116 total: 14.6s remaining: 20s
4221: learn: 35.0768080 total: 14.6s remaining: 20s
4222: learn: 35.0734526 total: 14.6s remaining: 20s
4223: learn: 35.0713191 total: 14.6s remaining: 20s
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4227: learn: 35.0563941 total: 14.6s remaining: 20s
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4229: learn: 35.0482561 total: 14.6s remaining: 20s
4230: learn: 35.0445802 total: 14.6s remaining: 20s
4231: learn: 35.0418379 total: 14.6s remaining: 20s
4232: learn: 35.0376481 total: 14.6s remaining: 20s
4233: learn: 35.0337039 total: 14.6s remaining: 19.9s
4234: learn: 35.0300558 total: 14.7s remaining: 19.9s
4235: learn: 35.0274744 total: 14.7s remaining: 19.9s
4236: learn: 35.0215872 total: 14.7s remaining: 19.9s
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4245: learn: 34.9934293 total: 14.7s remaining: 19.9s
4246: learn: 34.9874204 total: 14.7s remaining: 19.9s
4247: learn: 34.9855307 total: 14.7s remaining: 19.9s
4248: learn: 34.9819977 total: 14.7s remaining: 19.9s
4249: learn: 34.9789028 total: 14.7s remaining: 19.9s
4250: learn: 34.9743213 total: 14.7s remaining: 19.9s
4251: learn: 34.9731126 total: 14.7s remaining: 19.9s
4252: learn: 34.9676822 total: 14.7s remaining: 19.9s
4253: learn: 34.9640895 total: 14.7s remaining: 19.9s
4254: learn: 34.9579193 total: 14.7s remaining: 19.9s
4255: learn: 34.9525092 total: 14.7s remaining: 19.9s
4256: learn: 34.9495653 total: 14.7s remaining: 19.9s
4257: learn: 34.9438176 total: 14.7s remaining: 19.9s
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4260: learn: 34.9371121 total: 14.7s remaining: 19.9s
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4262: learn: 34.9295669 total: 14.7s remaining: 19.8s
4263: learn: 34.9259300 total: 14.7s remaining: 19.8s
4264: learn: 34.9229602 total: 14.8s remaining: 19.8s
4265: learn: 34.9212033 total: 14.8s remaining: 19.8s
4266: learn: 34.9181806 total: 14.8s remaining: 19.8s
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4268: learn: 34.9094632 total: 14.8s remaining: 19.8s
4269: learn: 34.9072223 total: 14.8s remaining: 19.8s
4270: learn: 34.9032492 total: 14.8s remaining: 19.8s
4271: learn: 34.8996130 total: 14.8s remaining: 19.8s
4272: learn: 34.8966468 total: 14.8s remaining: 19.8s
4273: learn: 34.8926273 total: 14.8s remaining: 19.8s
4274: learn: 34.8900391 total: 14.8s remaining: 19.8s
4275: learn: 34.8887545 total: 14.8s remaining: 19.8s
4276: learn: 34.8857219 total: 14.8s remaining: 19.8s
4277: learn: 34.8821607 total: 14.8s remaining: 19.8s
4278: learn: 34.8776546 total: 14.8s remaining: 19.8s
4279: learn: 34.8713492 total: 14.8s remaining: 19.8s
4280: learn: 34.8672956 total: 14.8s remaining: 19.8s
4281: learn: 34.8621205 total: 14.8s remaining: 19.8s
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4283: learn: 34.8562699 total: 14.8s remaining: 19.8s
4284: learn: 34.8525850 total: 14.8s remaining: 19.8s
4285: learn: 34.8511951 total: 14.8s remaining: 19.8s
4286: learn: 34.8490122 total: 14.8s remaining: 19.8s
4287: learn: 34.8451133 total: 14.8s remaining: 19.8s
4288: learn: 34.8420344 total: 14.8s remaining: 19.8s
4289: learn: 34.8336797 total: 14.8s remaining: 19.7s
4290: learn: 34.8318587 total: 14.8s remaining: 19.7s
4291: learn: 34.8279187 total: 14.8s remaining: 19.7s

4292:	learn: 34.8260740	total: 14.8s	remaining: 19.7s
4293:	learn: 34.8201818	total: 14.8s	remaining: 19.7s
4294:	learn: 34.8150456	total: 14.9s	remaining: 19.7s
4295:	learn: 34.8128914	total: 14.9s	remaining: 19.7s
4296:	learn: 34.8089700	total: 14.9s	remaining: 19.7s
4297:	learn: 34.8032869	total: 14.9s	remaining: 19.7s
4298:	learn: 34.7979295	total: 14.9s	remaining: 19.7s
4299:	learn: 34.7947387	total: 14.9s	remaining: 19.7s
4300:	learn: 34.7908230	total: 14.9s	remaining: 19.7s
4301:	learn: 34.7854824	total: 14.9s	remaining: 19.7s
4302:	learn: 34.7798432	total: 14.9s	remaining: 19.7s
4303:	learn: 34.7776962	total: 14.9s	remaining: 19.7s
4304:	learn: 34.7729429	total: 14.9s	remaining: 19.7s
4305:	learn: 34.7713773	total: 14.9s	remaining: 19.7s
4306:	learn: 34.7656992	total: 14.9s	remaining: 19.7s
4307:	learn: 34.7615729	total: 14.9s	remaining: 19.7s
4308:	learn: 34.7583275	total: 14.9s	remaining: 19.7s
4309:	learn: 34.7539420	total: 14.9s	remaining: 19.7s
4310:	learn: 34.7479501	total: 14.9s	remaining: 19.7s
4311:	learn: 34.7455756	total: 14.9s	remaining: 19.7s
4312:	learn: 34.7407898	total: 14.9s	remaining: 19.7s
4313:	learn: 34.7381462	total: 14.9s	remaining: 19.7s
4314:	learn: 34.7335669	total: 14.9s	remaining: 19.7s
4315:	learn: 34.7331014	total: 14.9s	remaining: 19.7s
4316:	learn: 34.7302355	total: 14.9s	remaining: 19.6s
4317:	learn: 34.7261757	total: 14.9s	remaining: 19.6s
4318:	learn: 34.7188656	total: 14.9s	remaining: 19.6s
4319:	learn: 34.7167434	total: 14.9s	remaining: 19.6s
4320:	learn: 34.7104160	total: 14.9s	remaining: 19.6s
4321:	learn: 34.7072871	total: 14.9s	remaining: 19.6s
4322:	learn: 34.7072125	total: 14.9s	remaining: 19.6s
4323:	learn: 34.7037032	total: 14.9s	remaining: 19.6s
4324:	learn: 34.7006831	total: 15s	remaining: 19.6s
4325:	learn: 34.6967400	total: 15s	remaining: 19.6s
4326:	learn: 34.6932904	total: 15s	remaining: 19.6s
4327:	learn: 34.6868979	total: 15s	remaining: 19.6s
4328:	learn: 34.6844304	total: 15s	remaining: 19.6s
4329:	learn: 34.6811189	total: 15s	remaining: 19.6s
4330:	learn: 34.6781871	total: 15s	remaining: 19.6s
4331:	learn: 34.6720585	total: 15s	remaining: 19.6s
4332:	learn: 34.6689060	total: 15s	remaining: 19.6s
4333:	learn: 34.6626542	total: 15s	remaining: 19.6s
4334:	learn: 34.6587939	total: 15s	remaining: 19.6s
4335:	learn: 34.6557830	total: 15s	remaining: 19.6s
4336:	learn: 34.6510605	total: 15s	remaining: 19.6s
4337:	learn: 34.6479927	total: 15s	remaining: 19.6s
4338:	learn: 34.6452697	total: 15s	remaining: 19.6s
4339:	learn: 34.6410931	total: 15s	remaining: 19.6s
4340:	learn: 34.6387539	total: 15s	remaining: 19.6s
4341:	learn: 34.6351735	total: 15s	remaining: 19.6s
4342:	learn: 34.6311132	total: 15s	remaining: 19.6s
4343:	learn: 34.6302550	total: 15s	remaining: 19.6s
4344:	learn: 34.6261541	total: 15s	remaining: 19.5s
4345:	learn: 34.6201932	total: 15s	remaining: 19.5s
4346:	learn: 34.6164217	total: 15s	remaining: 19.5s
4347:	learn: 34.6128684	total: 15s	remaining: 19.5s
4348:	learn: 34.6105789	total: 15s	remaining: 19.5s
4349:	learn: 34.6054781	total: 15s	remaining: 19.5s
4350:	learn: 34.5992862	total: 15s	remaining: 19.5s
4351:	learn: 34.5941696	total: 15s	remaining: 19.5s
4352:	learn: 34.5904307	total: 15s	remaining: 19.5s
4353:	learn: 34.5892987	total: 15.1s	remaining: 19.5s
4354:	learn: 34.5848524	total: 15.1s	remaining: 19.5s
4355:	learn: 34.5820080	total: 15.1s	remaining: 19.5s
4356:	learn: 34.5787115	total: 15.1s	remaining: 19.5s
4357:	learn: 34.5757284	total: 15.1s	remaining: 19.5s
4358:	learn: 34.5707976	total: 15.1s	remaining: 19.5s
4359:	learn: 34.5676569	total: 15.1s	remaining: 19.5s
4360:	learn: 34.5658120	total: 15.1s	remaining: 19.5s
4361:	learn: 34.5598746	total: 15.1s	remaining: 19.5s
4362:	learn: 34.5561112	total: 15.1s	remaining: 19.5s
4363:	learn: 34.5516791	total: 15.1s	remaining: 19.5s
4364:	learn: 34.5490263	total: 15.1s	remaining: 19.5s
4365:	learn: 34.5424151	total: 15.1s	remaining: 19.5s

4366:	learn: 34.5412045	total: 15.1s	remaining: 19.5s
4367:	learn: 34.5377290	total: 15.1s	remaining: 19.5s
4368:	learn: 34.5347342	total: 15.1s	remaining: 19.5s
4369:	learn: 34.5319497	total: 15.1s	remaining: 19.5s
4370:	learn: 34.5270210	total: 15.1s	remaining: 19.5s
4371:	learn: 34.5246625	total: 15.1s	remaining: 19.5s
4372:	learn: 34.5213662	total: 15.1s	remaining: 19.5s
4373:	learn: 34.5189087	total: 15.1s	remaining: 19.4s
4374:	learn: 34.5137322	total: 15.1s	remaining: 19.4s
4375:	learn: 34.5107333	total: 15.1s	remaining: 19.4s
4376:	learn: 34.5073044	total: 15.1s	remaining: 19.4s
4377:	learn: 34.5024860	total: 15.1s	remaining: 19.4s
4378:	learn: 34.4975813	total: 15.1s	remaining: 19.4s
4379:	learn: 34.4939415	total: 15.1s	remaining: 19.4s
4380:	learn: 34.4892715	total: 15.1s	remaining: 19.4s
4381:	learn: 34.4858939	total: 15.1s	remaining: 19.4s
4382:	learn: 34.4819216	total: 15.1s	remaining: 19.4s
4383:	learn: 34.4794813	total: 15.2s	remaining: 19.4s
4384:	learn: 34.4748870	total: 15.2s	remaining: 19.4s
4385:	learn: 34.4730532	total: 15.2s	remaining: 19.4s
4386:	learn: 34.4709364	total: 15.2s	remaining: 19.4s
4387:	learn: 34.4664938	total: 15.2s	remaining: 19.4s
4388:	learn: 34.4657031	total: 15.2s	remaining: 19.4s
4389:	learn: 34.4631416	total: 15.2s	remaining: 19.4s
4390:	learn: 34.4585371	total: 15.2s	remaining: 19.4s
4391:	learn: 34.4552595	total: 15.2s	remaining: 19.4s
4392:	learn: 34.4506995	total: 15.2s	remaining: 19.4s
4393:	learn: 34.4488106	total: 15.2s	remaining: 19.4s
4394:	learn: 34.4440616	total: 15.2s	remaining: 19.4s
4395:	learn: 34.4401679	total: 15.2s	remaining: 19.4s
4396:	learn: 34.4361550	total: 15.2s	remaining: 19.4s
4397:	learn: 34.4306535	total: 15.2s	remaining: 19.4s
4398:	learn: 34.4252454	total: 15.2s	remaining: 19.4s
4399:	learn: 34.4232519	total: 15.2s	remaining: 19.4s
4400:	learn: 34.4219036	total: 15.2s	remaining: 19.3s
4401:	learn: 34.4198406	total: 15.2s	remaining: 19.3s
4402:	learn: 34.4185388	total: 15.2s	remaining: 19.3s
4403:	learn: 34.4145818	total: 15.2s	remaining: 19.3s
4404:	learn: 34.4105640	total: 15.2s	remaining: 19.3s
4405:	learn: 34.4077316	total: 15.2s	remaining: 19.3s
4406:	learn: 34.4058655	total: 15.2s	remaining: 19.3s
4407:	learn: 34.4034571	total: 15.2s	remaining: 19.3s
4408:	learn: 34.3987150	total: 15.2s	remaining: 19.3s
4409:	learn: 34.3954664	total: 15.2s	remaining: 19.3s
4410:	learn: 34.3946573	total: 15.2s	remaining: 19.3s
4411:	learn: 34.3884818	total: 15.2s	remaining: 19.3s
4412:	learn: 34.3857933	total: 15.3s	remaining: 19.3s
4413:	learn: 34.3838278	total: 15.3s	remaining: 19.3s
4414:	learn: 34.3784579	total: 15.3s	remaining: 19.3s
4415:	learn: 34.3765903	total: 15.3s	remaining: 19.3s
4416:	learn: 34.3721928	total: 15.3s	remaining: 19.3s
4417:	learn: 34.3674042	total: 15.3s	remaining: 19.3s
4418:	learn: 34.3645727	total: 15.3s	remaining: 19.3s
4419:	learn: 34.3590870	total: 15.3s	remaining: 19.3s
4420:	learn: 34.3559886	total: 15.3s	remaining: 19.3s
4421:	learn: 34.3513092	total: 15.3s	remaining: 19.3s
4422:	learn: 34.3457917	total: 15.3s	remaining: 19.3s
4423:	learn: 34.3423260	total: 15.3s	remaining: 19.3s
4424:	learn: 34.3393206	total: 15.3s	remaining: 19.3s
4425:	learn: 34.3367910	total: 15.3s	remaining: 19.3s
4426:	learn: 34.3349023	total: 15.3s	remaining: 19.3s
4427:	learn: 34.3331597	total: 15.3s	remaining: 19.3s
4428:	learn: 34.3278792	total: 15.3s	remaining: 19.3s
4429:	learn: 34.3255983	total: 15.3s	remaining: 19.2s
4430:	learn: 34.3224870	total: 15.3s	remaining: 19.2s
4431:	learn: 34.3161111	total: 15.3s	remaining: 19.2s
4432:	learn: 34.3125551	total: 15.3s	remaining: 19.2s
4433:	learn: 34.3082766	total: 15.3s	remaining: 19.2s
4434:	learn: 34.3068918	total: 15.3s	remaining: 19.2s
4435:	learn: 34.3006135	total: 15.3s	remaining: 19.2s
4436:	learn: 34.2979550	total: 15.3s	remaining: 19.2s
4437:	learn: 34.2963474	total: 15.3s	remaining: 19.2s
4438:	learn: 34.2904229	total: 15.3s	remaining: 19.2s
4439:	learn: 34.2874002	total: 15.3s	remaining: 19.2s

4440:	learn: 34.2849627	total: 15.3s	remaining: 19.2s
4441:	learn: 34.2799661	total: 15.3s	remaining: 19.2s
4442:	learn: 34.2751786	total: 15.4s	remaining: 19.2s
4443:	learn: 34.2686646	total: 15.4s	remaining: 19.2s
4444:	learn: 34.2653256	total: 15.4s	remaining: 19.2s
4445:	learn: 34.2607275	total: 15.4s	remaining: 19.2s
4446:	learn: 34.2582104	total: 15.4s	remaining: 19.2s
4447:	learn: 34.2572851	total: 15.4s	remaining: 19.2s
4448:	learn: 34.2537855	total: 15.4s	remaining: 19.2s
4449:	learn: 34.2529549	total: 15.4s	remaining: 19.2s
4450:	learn: 34.2466918	total: 15.4s	remaining: 19.2s
4451:	learn: 34.2438467	total: 15.4s	remaining: 19.2s
4452:	learn: 34.2405716	total: 15.4s	remaining: 19.2s
4453:	learn: 34.2360278	total: 15.4s	remaining: 19.2s
4454:	learn: 34.2293498	total: 15.4s	remaining: 19.2s
4455:	learn: 34.2258268	total: 15.4s	remaining: 19.2s
4456:	learn: 34.2206990	total: 15.4s	remaining: 19.2s
4457:	learn: 34.2171306	total: 15.4s	remaining: 19.1s
4458:	learn: 34.2141512	total: 15.4s	remaining: 19.1s
4459:	learn: 34.2122381	total: 15.4s	remaining: 19.1s
4460:	learn: 34.2092621	total: 15.4s	remaining: 19.1s
4461:	learn: 34.2049611	total: 15.4s	remaining: 19.1s
4462:	learn: 34.2008550	total: 15.4s	remaining: 19.1s
4463:	learn: 34.1932878	total: 15.4s	remaining: 19.1s
4464:	learn: 34.1907543	total: 15.4s	remaining: 19.1s
4465:	learn: 34.1898858	total: 15.4s	remaining: 19.1s
4466:	learn: 34.1881097	total: 15.4s	remaining: 19.1s
4467:	learn: 34.1868306	total: 15.4s	remaining: 19.1s
4468:	learn: 34.1847317	total: 15.4s	remaining: 19.1s
4469:	learn: 34.1817201	total: 15.4s	remaining: 19.1s
4470:	learn: 34.1777525	total: 15.4s	remaining: 19.1s
4471:	learn: 34.1770086	total: 15.5s	remaining: 19.1s
4472:	learn: 34.1718968	total: 15.5s	remaining: 19.1s
4473:	learn: 34.1710409	total: 15.5s	remaining: 19.1s
4474:	learn: 34.1665368	total: 15.5s	remaining: 19.1s
4475:	learn: 34.1643112	total: 15.5s	remaining: 19.1s
4476:	learn: 34.1603692	total: 15.5s	remaining: 19.1s
4477:	learn: 34.1574010	total: 15.5s	remaining: 19.1s
4478:	learn: 34.1541221	total: 15.5s	remaining: 19.1s
4479:	learn: 34.1521190	total: 15.5s	remaining: 19.1s
4480:	learn: 34.1493643	total: 15.5s	remaining: 19.1s
4481:	learn: 34.1456043	total: 15.5s	remaining: 19.1s
4482:	learn: 34.1411600	total: 15.5s	remaining: 19.1s
4483:	learn: 34.1393165	total: 15.5s	remaining: 19.1s
4484:	learn: 34.1375502	total: 15.5s	remaining: 19.1s
4485:	learn: 34.1350087	total: 15.5s	remaining: 19.1s
4486:	learn: 34.1310774	total: 15.5s	remaining: 19s
4487:	learn: 34.1289053	total: 15.5s	remaining: 19s
4488:	learn: 34.1232375	total: 15.5s	remaining: 19s
4489:	learn: 34.1207934	total: 15.5s	remaining: 19s
4490:	learn: 34.1157752	total: 15.5s	remaining: 19s
4491:	learn: 34.1136455	total: 15.5s	remaining: 19s
4492:	learn: 34.1084479	total: 15.5s	remaining: 19s
4493:	learn: 34.1021979	total: 15.5s	remaining: 19s
4494:	learn: 34.0966667	total: 15.5s	remaining: 19s
4495:	learn: 34.0936178	total: 15.5s	remaining: 19s
4496:	learn: 34.0891977	total: 15.5s	remaining: 19s
4497:	learn: 34.0859463	total: 15.5s	remaining: 19s
4498:	learn: 34.0843538	total: 15.5s	remaining: 19s
4499:	learn: 34.0840610	total: 15.5s	remaining: 19s
4500:	learn: 34.0788557	total: 15.5s	remaining: 19s
4501:	learn: 34.0739666	total: 15.6s	remaining: 19s
4502:	learn: 34.0719537	total: 15.6s	remaining: 19s
4503:	learn: 34.0674731	total: 15.6s	remaining: 19s
4504:	learn: 34.0646223	total: 15.6s	remaining: 19s
4505:	learn: 34.0613652	total: 15.6s	remaining: 19s
4506:	learn: 34.0578809	total: 15.6s	remaining: 19s
4507:	learn: 34.0563572	total: 15.6s	remaining: 19s
4508:	learn: 34.0538688	total: 15.6s	remaining: 19s
4509:	learn: 34.0484409	total: 15.6s	remaining: 19s
4510:	learn: 34.0463597	total: 15.6s	remaining: 19s
4511:	learn: 34.0429028	total: 15.6s	remaining: 19s
4512:	learn: 34.0401708	total: 15.6s	remaining: 19s
4513:	learn: 34.0355643	total: 15.6s	remaining: 19s

4514: learn: 34.0314402 total: 15.6s remaining: 18.9s
4515: learn: 34.0282888 total: 15.6s remaining: 18.9s
4516: learn: 34.0229798 total: 15.6s remaining: 18.9s
4517: learn: 34.0219262 total: 15.6s remaining: 18.9s
4518: learn: 34.0188203 total: 15.6s remaining: 18.9s
4519: learn: 34.0175855 total: 15.6s remaining: 18.9s
4520: learn: 34.0152362 total: 15.6s remaining: 18.9s
4521: learn: 34.0106908 total: 15.6s remaining: 18.9s
4522: learn: 34.0058850 total: 15.6s remaining: 18.9s
4523: learn: 34.0013717 total: 15.6s remaining: 18.9s
4524: learn: 33.9946720 total: 15.6s remaining: 18.9s
4525: learn: 33.9913770 total: 15.6s remaining: 18.9s
4526: learn: 33.9905168 total: 15.6s remaining: 18.9s
4527: learn: 33.9832797 total: 15.6s remaining: 18.9s
4528: learn: 33.9804734 total: 15.6s remaining: 18.9s
4529: learn: 33.9764376 total: 15.6s remaining: 18.9s
4530: learn: 33.9737252 total: 15.7s remaining: 18.9s
4531: learn: 33.9672976 total: 15.7s remaining: 18.9s
4532: learn: 33.9641473 total: 15.7s remaining: 18.9s
4533: learn: 33.9629621 total: 15.7s remaining: 18.9s
4534: learn: 33.9615955 total: 15.7s remaining: 18.9s
4535: learn: 33.9556511 total: 15.7s remaining: 18.9s
4536: learn: 33.9524082 total: 15.7s remaining: 18.9s
4537: learn: 33.9497386 total: 15.7s remaining: 18.9s
4538: learn: 33.9484878 total: 15.7s remaining: 18.9s
4539: learn: 33.9452015 total: 15.7s remaining: 18.9s
4540: learn: 33.9431367 total: 15.7s remaining: 18.9s
4541: learn: 33.9405983 total: 15.7s remaining: 18.9s
4542: learn: 33.9392501 total: 15.7s remaining: 18.8s
4543: learn: 33.9387298 total: 15.7s remaining: 18.8s
4544: learn: 33.9374548 total: 15.7s remaining: 18.8s
4545: learn: 33.9341089 total: 15.7s remaining: 18.8s
4546: learn: 33.9317379 total: 15.7s remaining: 18.8s
4547: learn: 33.9267428 total: 15.7s remaining: 18.8s
4548: learn: 33.9257426 total: 15.7s remaining: 18.8s
4549: learn: 33.9206982 total: 15.7s remaining: 18.8s
4550: learn: 33.9175122 total: 15.7s remaining: 18.8s
4551: learn: 33.9139960 total: 15.7s remaining: 18.8s
4552: learn: 33.9112545 total: 15.7s remaining: 18.8s
4553: learn: 33.9088468 total: 15.7s remaining: 18.8s
4554: learn: 33.9050494 total: 15.7s remaining: 18.8s
4555: learn: 33.8999279 total: 15.7s remaining: 18.8s
4556: learn: 33.8944290 total: 15.7s remaining: 18.8s
4557: learn: 33.8911094 total: 15.7s remaining: 18.8s
4558: learn: 33.8883057 total: 15.7s remaining: 18.8s
4559: learn: 33.8835073 total: 15.7s remaining: 18.8s
4560: learn: 33.8789231 total: 15.8s remaining: 18.8s
4561: learn: 33.8747007 total: 15.8s remaining: 18.8s
4562: learn: 33.8710641 total: 15.8s remaining: 18.8s
4563: learn: 33.8691370 total: 15.8s remaining: 18.8s
4564: learn: 33.8649333 total: 15.8s remaining: 18.8s
4565: learn: 33.8608960 total: 15.8s remaining: 18.8s
4566: learn: 33.8591398 total: 15.8s remaining: 18.8s
4567: learn: 33.8558605 total: 15.8s remaining: 18.8s
4568: learn: 33.8544322 total: 15.8s remaining: 18.8s
4569: learn: 33.8522928 total: 15.8s remaining: 18.8s
4570: learn: 33.8489361 total: 15.8s remaining: 18.8s
4571: learn: 33.8452763 total: 15.8s remaining: 18.7s
4572: learn: 33.8428580 total: 15.8s remaining: 18.7s
4573: learn: 33.8373810 total: 15.8s remaining: 18.7s
4574: learn: 33.8352867 total: 15.8s remaining: 18.7s
4575: learn: 33.8341048 total: 15.8s remaining: 18.7s
4576: learn: 33.8261958 total: 15.8s remaining: 18.7s
4577: learn: 33.8228044 total: 15.8s remaining: 18.7s
4578: learn: 33.8176937 total: 15.8s remaining: 18.7s
4579: learn: 33.8133880 total: 15.8s remaining: 18.7s
4580: learn: 33.8085697 total: 15.8s remaining: 18.7s
4581: learn: 33.8064006 total: 15.8s remaining: 18.7s
4582: learn: 33.8000587 total: 15.8s remaining: 18.7s
4583: learn: 33.7947577 total: 15.8s remaining: 18.7s
4584: learn: 33.7935688 total: 15.8s remaining: 18.7s
4585: learn: 33.7908596 total: 15.8s remaining: 18.7s
4586: learn: 33.7872245 total: 15.8s remaining: 18.7s
4587: learn: 33.7839286 total: 15.8s remaining: 18.7s

4588:	learn: 33.7809875	total: 15.8s	remaining: 18.7s
4589:	learn: 33.7790779	total: 15.8s	remaining: 18.7s
4590:	learn: 33.7758327	total: 15.9s	remaining: 18.7s
4591:	learn: 33.7731918	total: 15.9s	remaining: 18.7s
4592:	learn: 33.7683412	total: 15.9s	remaining: 18.7s
4593:	learn: 33.7658209	total: 15.9s	remaining: 18.7s
4594:	learn: 33.7611684	total: 15.9s	remaining: 18.7s
4595:	learn: 33.7573360	total: 15.9s	remaining: 18.7s
4596:	learn: 33.7526906	total: 15.9s	remaining: 18.7s
4597:	learn: 33.7491575	total: 15.9s	remaining: 18.7s
4598:	learn: 33.7423333	total: 15.9s	remaining: 18.7s
4599:	learn: 33.7387429	total: 15.9s	remaining: 18.6s
4600:	learn: 33.7368006	total: 15.9s	remaining: 18.6s
4601:	learn: 33.7321340	total: 15.9s	remaining: 18.6s
4602:	learn: 33.7300206	total: 15.9s	remaining: 18.6s
4603:	learn: 33.7265048	total: 15.9s	remaining: 18.6s
4604:	learn: 33.7240480	total: 15.9s	remaining: 18.6s
4605:	learn: 33.7202301	total: 15.9s	remaining: 18.6s
4606:	learn: 33.7182853	total: 15.9s	remaining: 18.6s
4607:	learn: 33.7151324	total: 15.9s	remaining: 18.6s
4608:	learn: 33.7096580	total: 15.9s	remaining: 18.6s
4609:	learn: 33.7054824	total: 15.9s	remaining: 18.6s
4610:	learn: 33.7030913	total: 15.9s	remaining: 18.6s
4611:	learn: 33.7012002	total: 15.9s	remaining: 18.6s
4612:	learn: 33.6994842	total: 15.9s	remaining: 18.6s
4613:	learn: 33.6956690	total: 15.9s	remaining: 18.6s
4614:	learn: 33.6942297	total: 15.9s	remaining: 18.6s
4615:	learn: 33.6920009	total: 15.9s	remaining: 18.6s
4616:	learn: 33.6891858	total: 15.9s	remaining: 18.6s
4617:	learn: 33.6867722	total: 15.9s	remaining: 18.6s
4618:	learn: 33.6839477	total: 15.9s	remaining: 18.6s
4619:	learn: 33.6767918	total: 16s	remaining: 18.6s
4620:	learn: 33.6737815	total: 16s	remaining: 18.6s
4621:	learn: 33.6700836	total: 16s	remaining: 18.6s
4622:	learn: 33.6675357	total: 16s	remaining: 18.6s
4623:	learn: 33.6631571	total: 16s	remaining: 18.6s
4624:	learn: 33.6593249	total: 16s	remaining: 18.6s
4625:	learn: 33.6574154	total: 16s	remaining: 18.6s
4626:	learn: 33.6536567	total: 16s	remaining: 18.6s
4627:	learn: 33.6503258	total: 16s	remaining: 18.6s
4628:	learn: 33.6483769	total: 16s	remaining: 18.5s
4629:	learn: 33.6436162	total: 16s	remaining: 18.5s
4630:	learn: 33.6408261	total: 16s	remaining: 18.5s
4631:	learn: 33.6376858	total: 16s	remaining: 18.5s
4632:	learn: 33.6337108	total: 16s	remaining: 18.5s
4633:	learn: 33.6313331	total: 16s	remaining: 18.5s
4634:	learn: 33.6253801	total: 16s	remaining: 18.5s
4635:	learn: 33.6226740	total: 16s	remaining: 18.5s
4636:	learn: 33.6175507	total: 16s	remaining: 18.5s
4637:	learn: 33.6145975	total: 16s	remaining: 18.5s
4638:	learn: 33.6105849	total: 16s	remaining: 18.5s
4639:	learn: 33.6099095	total: 16s	remaining: 18.5s
4640:	learn: 33.6056244	total: 16s	remaining: 18.5s
4641:	learn: 33.6023214	total: 16s	remaining: 18.5s
4642:	learn: 33.5984276	total: 16s	remaining: 18.5s
4643:	learn: 33.5936047	total: 16s	remaining: 18.5s
4644:	learn: 33.5918631	total: 16s	remaining: 18.5s
4645:	learn: 33.5899850	total: 16s	remaining: 18.5s
4646:	learn: 33.5868880	total: 16s	remaining: 18.5s
4647:	learn: 33.5836838	total: 16s	remaining: 18.5s
4648:	learn: 33.5788794	total: 16.1s	remaining: 18.5s
4649:	learn: 33.5774198	total: 16.1s	remaining: 18.5s
4650:	learn: 33.5759031	total: 16.1s	remaining: 18.5s
4651:	learn: 33.5728781	total: 16.1s	remaining: 18.5s
4652:	learn: 33.5694099	total: 16.1s	remaining: 18.5s
4653:	learn: 33.5660533	total: 16.1s	remaining: 18.5s
4654:	learn: 33.5628028	total: 16.1s	remaining: 18.5s
4655:	learn: 33.5613166	total: 16.1s	remaining: 18.5s
4656:	learn: 33.5593159	total: 16.1s	remaining: 18.4s
4657:	learn: 33.5561929	total: 16.1s	remaining: 18.4s
4658:	learn: 33.5515717	total: 16.1s	remaining: 18.4s
4659:	learn: 33.5470399	total: 16.1s	remaining: 18.4s
4660:	learn: 33.5445181	total: 16.1s	remaining: 18.4s
4661:	learn: 33.5391554	total: 16.1s	remaining: 18.4s

4662: learn: 33.5356109 total: 16.1s remaining: 18.4s
4663: learn: 33.5312235 total: 16.1s remaining: 18.4s
4664: learn: 33.5287068 total: 16.1s remaining: 18.4s
4665: learn: 33.5286644 total: 16.1s remaining: 18.4s
4666: learn: 33.5256014 total: 16.1s remaining: 18.4s
4667: learn: 33.5200234 total: 16.1s remaining: 18.4s
4668: learn: 33.5156631 total: 16.1s remaining: 18.4s
4669: learn: 33.5116375 total: 16.1s remaining: 18.4s
4670: learn: 33.5111804 total: 16.1s remaining: 18.4s
4671: learn: 33.5088890 total: 16.1s remaining: 18.4s
4672: learn: 33.5061176 total: 16.1s remaining: 18.4s
4673: learn: 33.5033745 total: 16.1s remaining: 18.4s
4674: learn: 33.4980769 total: 16.1s remaining: 18.4s
4675: learn: 33.4971333 total: 16.1s remaining: 18.4s
4676: learn: 33.4929425 total: 16.1s remaining: 18.4s
4677: learn: 33.4886681 total: 16.1s remaining: 18.4s
4678: learn: 33.4863371 total: 16.2s remaining: 18.4s
4679: learn: 33.4776683 total: 16.2s remaining: 18.4s
4680: learn: 33.4757692 total: 16.2s remaining: 18.4s
4681: learn: 33.4723988 total: 16.2s remaining: 18.4s
4682: learn: 33.4688676 total: 16.2s remaining: 18.4s
4683: learn: 33.4666032 total: 16.2s remaining: 18.4s
4684: learn: 33.4648743 total: 16.2s remaining: 18.4s
4685: learn: 33.4618946 total: 16.2s remaining: 18.3s
4686: learn: 33.4600132 total: 16.2s remaining: 18.3s
4687: learn: 33.4544574 total: 16.2s remaining: 18.3s
4688: learn: 33.4524271 total: 16.2s remaining: 18.3s
4689: learn: 33.4511279 total: 16.2s remaining: 18.3s
4690: learn: 33.4488141 total: 16.2s remaining: 18.3s
4691: learn: 33.4433384 total: 16.2s remaining: 18.3s
4692: learn: 33.4373258 total: 16.2s remaining: 18.3s
4693: learn: 33.4349146 total: 16.2s remaining: 18.3s
4694: learn: 33.4325302 total: 16.2s remaining: 18.3s
4695: learn: 33.4284652 total: 16.2s remaining: 18.3s
4696: learn: 33.4247913 total: 16.2s remaining: 18.3s
4697: learn: 33.4221220 total: 16.2s remaining: 18.3s
4698: learn: 33.4167337 total: 16.2s remaining: 18.3s
4699: learn: 33.4103755 total: 16.2s remaining: 18.3s
4700: learn: 33.4036440 total: 16.2s remaining: 18.3s
4701: learn: 33.3998920 total: 16.2s remaining: 18.3s
4702: learn: 33.3972188 total: 16.2s remaining: 18.3s
4703: learn: 33.3921140 total: 16.2s remaining: 18.3s
4704: learn: 33.3906719 total: 16.2s remaining: 18.3s
4705: learn: 33.3858202 total: 16.3s remaining: 18.3s
4706: learn: 33.3841336 total: 16.3s remaining: 18.3s
4707: learn: 33.3811217 total: 16.3s remaining: 18.3s
4708: learn: 33.3784311 total: 16.3s remaining: 18.3s
4709: learn: 33.3741190 total: 16.3s remaining: 18.3s
4710: learn: 33.3708170 total: 16.3s remaining: 18.3s
4711: learn: 33.3673528 total: 16.3s remaining: 18.3s
4712: learn: 33.3617909 total: 16.3s remaining: 18.3s
4713: learn: 33.3591268 total: 16.3s remaining: 18.3s
4714: learn: 33.3567479 total: 16.3s remaining: 18.2s
4715: learn: 33.3544959 total: 16.3s remaining: 18.2s
4716: learn: 33.3512944 total: 16.3s remaining: 18.2s
4717: learn: 33.3474873 total: 16.3s remaining: 18.2s
4718: learn: 33.3430664 total: 16.3s remaining: 18.2s
4719: learn: 33.3388541 total: 16.3s remaining: 18.2s
4720: learn: 33.3361118 total: 16.3s remaining: 18.2s
4721: learn: 33.3342106 total: 16.3s remaining: 18.2s
4722: learn: 33.3303203 total: 16.3s remaining: 18.2s
4723: learn: 33.3277924 total: 16.3s remaining: 18.2s
4724: learn: 33.3235070 total: 16.3s remaining: 18.2s
4725: learn: 33.3212645 total: 16.3s remaining: 18.2s
4726: learn: 33.3180776 total: 16.3s remaining: 18.2s
4727: learn: 33.3147271 total: 16.3s remaining: 18.2s
4728: learn: 33.3126659 total: 16.3s remaining: 18.2s
4729: learn: 33.3070960 total: 16.3s remaining: 18.2s
4730: learn: 33.3057665 total: 16.3s remaining: 18.2s
4731: learn: 33.3029792 total: 16.3s remaining: 18.2s
4732: learn: 33.3014793 total: 16.3s remaining: 18.2s
4733: learn: 33.3003735 total: 16.3s remaining: 18.2s
4734: learn: 33.2990181 total: 16.3s remaining: 18.2s
4735: learn: 33.2972459 total: 16.4s remaining: 18.2s

4736: learn: 33.2927741 total: 16.4s remaining: 18.2s
4737: learn: 33.2901896 total: 16.4s remaining: 18.2s
4738: learn: 33.2870434 total: 16.4s remaining: 18.2s
4739: learn: 33.2850258 total: 16.4s remaining: 18.2s
4740: learn: 33.2780551 total: 16.4s remaining: 18.2s
4741: learn: 33.2734232 total: 16.4s remaining: 18.2s
4742: learn: 33.2694883 total: 16.4s remaining: 18.1s
4743: learn: 33.2638197 total: 16.4s remaining: 18.1s
4744: learn: 33.2597213 total: 16.4s remaining: 18.1s
4745: learn: 33.2574165 total: 16.4s remaining: 18.1s
4746: learn: 33.2531691 total: 16.4s remaining: 18.1s
4747: learn: 33.2488430 total: 16.4s remaining: 18.1s
4748: learn: 33.2459664 total: 16.4s remaining: 18.1s
4749: learn: 33.2419629 total: 16.4s remaining: 18.1s
4750: learn: 33.2392747 total: 16.4s remaining: 18.1s
4751: learn: 33.2361715 total: 16.4s remaining: 18.1s
4752: learn: 33.2343840 total: 16.4s remaining: 18.1s
4753: learn: 33.2322597 total: 16.4s remaining: 18.1s
4754: learn: 33.2268852 total: 16.4s remaining: 18.1s
4755: learn: 33.2238543 total: 16.4s remaining: 18.1s
4756: learn: 33.2213639 total: 16.4s remaining: 18.1s
4757: learn: 33.2175659 total: 16.4s remaining: 18.1s
4758: learn: 33.2145220 total: 16.4s remaining: 18.1s
4759: learn: 33.2122126 total: 16.4s remaining: 18.1s
4760: learn: 33.2075773 total: 16.4s remaining: 18.1s
4761: learn: 33.2061357 total: 16.4s remaining: 18.1s
4762: learn: 33.2007342 total: 16.4s remaining: 18.1s
4763: learn: 33.1958566 total: 16.4s remaining: 18.1s
4764: learn: 33.1936308 total: 16.4s remaining: 18.1s
4765: learn: 33.1886133 total: 16.5s remaining: 18.1s
4766: learn: 33.1860163 total: 16.5s remaining: 18.1s
4767: learn: 33.1850350 total: 16.5s remaining: 18.1s
4768: learn: 33.1821399 total: 16.5s remaining: 18.1s
4769: learn: 33.1788144 total: 16.5s remaining: 18.1s
4770: learn: 33.1758911 total: 16.5s remaining: 18.1s
4771: learn: 33.1744923 total: 16.5s remaining: 18s
4772: learn: 33.1690939 total: 16.5s remaining: 18s
4773: learn: 33.1661394 total: 16.5s remaining: 18s
4774: learn: 33.1623746 total: 16.5s remaining: 18s
4775: learn: 33.1562697 total: 16.5s remaining: 18s
4776: learn: 33.1535534 total: 16.5s remaining: 18s
4777: learn: 33.1479870 total: 16.5s remaining: 18s
4778: learn: 33.1468954 total: 16.5s remaining: 18s
4779: learn: 33.1462683 total: 16.5s remaining: 18s
4780: learn: 33.1414215 total: 16.5s remaining: 18s
4781: learn: 33.1385134 total: 16.5s remaining: 18s
4782: learn: 33.1363959 total: 16.5s remaining: 18s
4783: learn: 33.1340234 total: 16.5s remaining: 18s
4784: learn: 33.1319831 total: 16.5s remaining: 18s
4785: learn: 33.1289240 total: 16.5s remaining: 18s
4786: learn: 33.1237166 total: 16.5s remaining: 18s
4787: learn: 33.1206674 total: 16.5s remaining: 18s
4788: learn: 33.1186625 total: 16.5s remaining: 18s
4789: learn: 33.1143245 total: 16.5s remaining: 18s
4790: learn: 33.1132101 total: 16.5s remaining: 18s
4791: learn: 33.1091152 total: 16.5s remaining: 18s
4792: learn: 33.1048055 total: 16.5s remaining: 18s
4793: learn: 33.1025546 total: 16.5s remaining: 18s
4794: learn: 33.0991638 total: 16.6s remaining: 18s
4795: learn: 33.0960187 total: 16.6s remaining: 18s
4796: learn: 33.0902702 total: 16.6s remaining: 18s
4797: learn: 33.0881102 total: 16.6s remaining: 18s
4798: learn: 33.0861499 total: 16.6s remaining: 18s
4799: learn: 33.0815505 total: 16.6s remaining: 17.9s
4800: learn: 33.0777220 total: 16.6s remaining: 17.9s
4801: learn: 33.0753679 total: 16.6s remaining: 17.9s
4802: learn: 33.0707321 total: 16.6s remaining: 17.9s
4803: learn: 33.0668693 total: 16.6s remaining: 17.9s
4804: learn: 33.0635030 total: 16.6s remaining: 17.9s
4805: learn: 33.0614974 total: 16.6s remaining: 17.9s
4806: learn: 33.0570664 total: 16.6s remaining: 17.9s
4807: learn: 33.0532538 total: 16.6s remaining: 17.9s
4808: learn: 33.0499444 total: 16.6s remaining: 17.9s
4809: learn: 33.0474830 total: 16.6s remaining: 17.9s

4810: learn: 33.0450144 total: 16.6s remaining: 17.9s
4811: learn: 33.0449725 total: 16.6s remaining: 17.9s
4812: learn: 33.0441207 total: 16.6s remaining: 17.9s
4813: learn: 33.0404197 total: 16.6s remaining: 17.9s
4814: learn: 33.0370158 total: 16.6s remaining: 17.9s
4815: learn: 33.0353583 total: 16.6s remaining: 17.9s
4816: learn: 33.0347616 total: 16.6s remaining: 17.9s
4817: learn: 33.0297577 total: 16.6s remaining: 17.9s
4818: learn: 33.0285473 total: 16.6s remaining: 17.9s
4819: learn: 33.0239000 total: 16.6s remaining: 17.9s
4820: learn: 33.0222674 total: 16.6s remaining: 17.9s
4821: learn: 33.0199144 total: 16.6s remaining: 17.9s
4822: learn: 33.0193739 total: 16.6s remaining: 17.9s
4823: learn: 33.0171809 total: 16.6s remaining: 17.9s
4824: learn: 33.0161651 total: 16.7s remaining: 17.9s
4825: learn: 33.0132334 total: 16.7s remaining: 17.9s
4826: learn: 33.0082377 total: 16.7s remaining: 17.9s
4827: learn: 33.0062717 total: 16.7s remaining: 17.9s
4828: learn: 33.0004204 total: 16.7s remaining: 17.8s
4829: learn: 32.9984777 total: 16.7s remaining: 17.8s
4830: learn: 32.9942271 total: 16.7s remaining: 17.8s
4831: learn: 32.9913769 total: 16.7s remaining: 17.8s
4832: learn: 32.9861455 total: 16.7s remaining: 17.8s
4833: learn: 32.9835518 total: 16.7s remaining: 17.8s
4834: learn: 32.9815934 total: 16.7s remaining: 17.8s
4835: learn: 32.9764486 total: 16.7s remaining: 17.8s
4836: learn: 32.9731631 total: 16.7s remaining: 17.8s
4837: learn: 32.9702173 total: 16.7s remaining: 17.8s
4838: learn: 32.9668632 total: 16.7s remaining: 17.8s
4839: learn: 32.9607141 total: 16.7s remaining: 17.8s
4840: learn: 32.9563067 total: 16.7s remaining: 17.8s
4841: learn: 32.9493623 total: 16.7s remaining: 17.8s
4842: learn: 32.9445499 total: 16.7s remaining: 17.8s
4843: learn: 32.9422312 total: 16.7s remaining: 17.8s
4844: learn: 32.9383848 total: 16.7s remaining: 17.8s
4845: learn: 32.9356755 total: 16.7s remaining: 17.8s
4846: learn: 32.9331497 total: 16.7s remaining: 17.8s
4847: learn: 32.9287339 total: 16.7s remaining: 17.8s
4848: learn: 32.9255639 total: 16.7s remaining: 17.8s
4849: learn: 32.9230085 total: 16.7s remaining: 17.8s
4850: learn: 32.9194132 total: 16.7s remaining: 17.8s
4851: learn: 32.9136144 total: 16.7s remaining: 17.8s
4852: learn: 32.9110027 total: 16.7s remaining: 17.8s
4853: learn: 32.9092969 total: 16.8s remaining: 17.8s
4854: learn: 32.9069833 total: 16.8s remaining: 17.8s
4855: learn: 32.9032355 total: 16.8s remaining: 17.8s
4856: learn: 32.8979093 total: 16.8s remaining: 17.7s
4857: learn: 32.8963588 total: 16.8s remaining: 17.7s
4858: learn: 32.8919487 total: 16.8s remaining: 17.7s
4859: learn: 32.8900857 total: 16.8s remaining: 17.7s
4860: learn: 32.8880710 total: 16.8s remaining: 17.7s
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4862: learn: 32.8860747 total: 16.8s remaining: 17.7s
4863: learn: 32.8832482 total: 16.8s remaining: 17.7s
4864: learn: 32.8782381 total: 16.8s remaining: 17.7s
4865: learn: 32.8729497 total: 16.8s remaining: 17.7s
4866: learn: 32.8717414 total: 16.8s remaining: 17.7s
4867: learn: 32.8664207 total: 16.8s remaining: 17.7s
4868: learn: 32.8657417 total: 16.8s remaining: 17.7s
4869: learn: 32.8624066 total: 16.8s remaining: 17.7s
4870: learn: 32.8567597 total: 16.8s remaining: 17.7s
4871: learn: 32.8534264 total: 16.8s remaining: 17.7s
4872: learn: 32.8533565 total: 16.8s remaining: 17.7s
4873: learn: 32.8501961 total: 16.8s remaining: 17.7s
4874: learn: 32.8493807 total: 16.8s remaining: 17.7s
4875: learn: 32.8464101 total: 16.8s remaining: 17.7s
4876: learn: 32.8393587 total: 16.8s remaining: 17.7s
4877: learn: 32.8374139 total: 16.8s remaining: 17.7s
4878: learn: 32.8317005 total: 16.8s remaining: 17.7s
4879: learn: 32.8275852 total: 16.8s remaining: 17.7s
4880: learn: 32.8238955 total: 16.8s remaining: 17.7s
4881: learn: 32.8200886 total: 16.8s remaining: 17.7s
4882: learn: 32.8158345 total: 16.8s remaining: 17.7s
4883: learn: 32.8130647 total: 16.9s remaining: 17.7s

4884:	learn: 32.8094318	total: 16.9s	remaining: 17.6s
4885:	learn: 32.8070404	total: 16.9s	remaining: 17.6s
4886:	learn: 32.8054940	total: 16.9s	remaining: 17.6s
4887:	learn: 32.8018097	total: 16.9s	remaining: 17.6s
4888:	learn: 32.7985725	total: 16.9s	remaining: 17.6s
4889:	learn: 32.7937086	total: 16.9s	remaining: 17.6s
4890:	learn: 32.7928142	total: 16.9s	remaining: 17.6s
4891:	learn: 32.7915812	total: 16.9s	remaining: 17.6s
4892:	learn: 32.7900967	total: 16.9s	remaining: 17.6s
4893:	learn: 32.7884490	total: 16.9s	remaining: 17.6s
4894:	learn: 32.7854511	total: 16.9s	remaining: 17.6s
4895:	learn: 32.7832548	total: 16.9s	remaining: 17.6s
4896:	learn: 32.7818235	total: 16.9s	remaining: 17.6s
4897:	learn: 32.7767800	total: 16.9s	remaining: 17.6s
4898:	learn: 32.7750432	total: 16.9s	remaining: 17.6s
4899:	learn: 32.7710969	total: 16.9s	remaining: 17.6s
4900:	learn: 32.7659142	total: 16.9s	remaining: 17.6s
4901:	learn: 32.7643844	total: 16.9s	remaining: 17.6s
4902:	learn: 32.7617717	total: 16.9s	remaining: 17.6s
4903:	learn: 32.7617116	total: 16.9s	remaining: 17.6s
4904:	learn: 32.7585172	total: 16.9s	remaining: 17.6s
4905:	learn: 32.7557288	total: 16.9s	remaining: 17.6s
4906:	learn: 32.7534198	total: 16.9s	remaining: 17.6s
4907:	learn: 32.7506914	total: 16.9s	remaining: 17.6s
4908:	learn: 32.7450525	total: 16.9s	remaining: 17.6s
4909:	learn: 32.7423068	total: 16.9s	remaining: 17.6s
4910:	learn: 32.7393466	total: 16.9s	remaining: 17.6s
4911:	learn: 32.7356342	total: 16.9s	remaining: 17.6s
4912:	learn: 32.7338684	total: 16.9s	remaining: 17.5s
4913:	learn: 32.7299402	total: 17s	remaining: 17.5s
4914:	learn: 32.7275383	total: 17s	remaining: 17.5s
4915:	learn: 32.7236168	total: 17s	remaining: 17.5s
4916:	learn: 32.7180151	total: 17s	remaining: 17.5s
4917:	learn: 32.7153357	total: 17s	remaining: 17.5s
4918:	learn: 32.7114488	total: 17s	remaining: 17.5s
4919:	learn: 32.7084258	total: 17s	remaining: 17.5s
4920:	learn: 32.7015107	total: 17s	remaining: 17.5s
4921:	learn: 32.6990459	total: 17s	remaining: 17.5s
4922:	learn: 32.6941990	total: 17s	remaining: 17.5s
4923:	learn: 32.6925061	total: 17s	remaining: 17.5s
4924:	learn: 32.6905909	total: 17s	remaining: 17.5s
4925:	learn: 32.6872594	total: 17s	remaining: 17.5s
4926:	learn: 32.6836575	total: 17s	remaining: 17.5s
4927:	learn: 32.6811565	total: 17s	remaining: 17.5s
4928:	learn: 32.6795451	total: 17s	remaining: 17.5s
4929:	learn: 32.6756464	total: 17s	remaining: 17.5s
4930:	learn: 32.6726449	total: 17s	remaining: 17.5s
4931:	learn: 32.6726080	total: 17s	remaining: 17.5s
4932:	learn: 32.6683470	total: 17s	remaining: 17.5s
4933:	learn: 32.6629747	total: 17s	remaining: 17.5s
4934:	learn: 32.6600089	total: 17s	remaining: 17.5s
4935:	learn: 32.6571651	total: 17s	remaining: 17.5s
4936:	learn: 32.6526570	total: 17s	remaining: 17.5s
4937:	learn: 32.6498302	total: 17s	remaining: 17.5s
4938:	learn: 32.6437383	total: 17s	remaining: 17.5s
4939:	learn: 32.6391229	total: 17s	remaining: 17.5s
4940:	learn: 32.6362332	total: 17s	remaining: 17.5s
4941:	learn: 32.6352076	total: 17s	remaining: 17.4s
4942:	learn: 32.6331628	total: 17.1s	remaining: 17.4s
4943:	learn: 32.6278834	total: 17.1s	remaining: 17.4s
4944:	learn: 32.6247336	total: 17.1s	remaining: 17.4s
4945:	learn: 32.6213736	total: 17.1s	remaining: 17.4s
4946:	learn: 32.6199189	total: 17.1s	remaining: 17.4s
4947:	learn: 32.6174555	total: 17.1s	remaining: 17.4s
4948:	learn: 32.6156888	total: 17.1s	remaining: 17.4s
4949:	learn: 32.6133851	total: 17.1s	remaining: 17.4s
4950:	learn: 32.6122125	total: 17.1s	remaining: 17.4s
4951:	learn: 32.6063936	total: 17.1s	remaining: 17.4s
4952:	learn: 32.6027694	total: 17.1s	remaining: 17.4s
4953:	learn: 32.6004022	total: 17.1s	remaining: 17.4s
4954:	learn: 32.5997473	total: 17.1s	remaining: 17.4s
4955:	learn: 32.5965463	total: 17.1s	remaining: 17.4s
4956:	learn: 32.5944170	total: 17.1s	remaining: 17.4s
4957:	learn: 32.5923678	total: 17.1s	remaining: 17.4s

4958: learn: 32.5923265 total: 17.1s remaining: 17.4s
4959: learn: 32.5888166 total: 17.1s remaining: 17.4s
4960: learn: 32.5845586 total: 17.1s remaining: 17.4s
4961: learn: 32.5786944 total: 17.1s remaining: 17.4s
4962: learn: 32.5737316 total: 17.1s remaining: 17.4s
4963: learn: 32.5736928 total: 17.1s remaining: 17.4s
4964: learn: 32.5714033 total: 17.1s remaining: 17.4s
4965: learn: 32.5692170 total: 17.1s remaining: 17.4s
4966: learn: 32.5637153 total: 17.1s remaining: 17.4s
4967: learn: 32.5585295 total: 17.1s remaining: 17.4s
4968: learn: 32.5557179 total: 17.1s remaining: 17.4s
4969: learn: 32.5518215 total: 17.1s remaining: 17.3s
4970: learn: 32.5509155 total: 17.1s remaining: 17.3s
4971: learn: 32.5489008 total: 17.1s remaining: 17.3s
4972: learn: 32.5461795 total: 17.2s remaining: 17.3s
4973: learn: 32.5440712 total: 17.2s remaining: 17.3s
4974: learn: 32.5411558 total: 17.2s remaining: 17.3s
4975: learn: 32.5394795 total: 17.2s remaining: 17.3s
4976: learn: 32.5363336 total: 17.2s remaining: 17.3s
4977: learn: 32.5362812 total: 17.2s remaining: 17.3s
4978: learn: 32.5337943 total: 17.2s remaining: 17.3s
4979: learn: 32.5299112 total: 17.2s remaining: 17.3s
4980: learn: 32.5266100 total: 17.2s remaining: 17.3s
4981: learn: 32.5202305 total: 17.2s remaining: 17.3s
4982: learn: 32.5180873 total: 17.2s remaining: 17.3s
4983: learn: 32.5132287 total: 17.2s remaining: 17.3s
4984: learn: 32.5098092 total: 17.2s remaining: 17.3s
4985: learn: 32.5080208 total: 17.2s remaining: 17.3s
4986: learn: 32.5057441 total: 17.2s remaining: 17.3s
4987: learn: 32.5044301 total: 17.2s remaining: 17.3s
4988: learn: 32.5019363 total: 17.2s remaining: 17.3s
4989: learn: 32.4993494 total: 17.2s remaining: 17.3s
4990: learn: 32.4978538 total: 17.2s remaining: 17.3s
4991: learn: 32.4964027 total: 17.2s remaining: 17.3s
4992: learn: 32.4941798 total: 17.2s remaining: 17.3s
4993: learn: 32.4933100 total: 17.2s remaining: 17.3s
4994: learn: 32.4900553 total: 17.2s remaining: 17.3s
4995: learn: 32.4872755 total: 17.2s remaining: 17.3s
4996: learn: 32.4860536 total: 17.2s remaining: 17.3s
4997: learn: 32.4840665 total: 17.2s remaining: 17.3s
4998: learn: 32.4803685 total: 17.2s remaining: 17.2s
4999: learn: 32.4776878 total: 17.2s remaining: 17.2s
5000: learn: 32.4745461 total: 17.2s remaining: 17.2s
5001: learn: 32.4711629 total: 17.3s remaining: 17.2s
5002: learn: 32.4682424 total: 17.3s remaining: 17.2s
5003: learn: 32.4651029 total: 17.3s remaining: 17.2s
5004: learn: 32.4605019 total: 17.3s remaining: 17.2s
5005: learn: 32.4586080 total: 17.3s remaining: 17.2s
5006: learn: 32.4534811 total: 17.3s remaining: 17.2s
5007: learn: 32.4487354 total: 17.3s remaining: 17.2s
5008: learn: 32.4461741 total: 17.3s remaining: 17.2s
5009: learn: 32.4427340 total: 17.3s remaining: 17.2s
5010: learn: 32.4401668 total: 17.3s remaining: 17.2s
5011: learn: 32.4355673 total: 17.3s remaining: 17.2s
5012: learn: 32.4299522 total: 17.3s remaining: 17.2s
5013: learn: 32.4275853 total: 17.3s remaining: 17.2s
5014: learn: 32.4261427 total: 17.3s remaining: 17.2s
5015: learn: 32.4235479 total: 17.3s remaining: 17.2s
5016: learn: 32.4212211 total: 17.3s remaining: 17.2s
5017: learn: 32.4206676 total: 17.3s remaining: 17.2s
5018: learn: 32.4180788 total: 17.3s remaining: 17.2s
5019: learn: 32.4131145 total: 17.3s remaining: 17.2s
5020: learn: 32.4097851 total: 17.3s remaining: 17.2s
5021: learn: 32.4081319 total: 17.3s remaining: 17.2s
5022: learn: 32.4059620 total: 17.3s remaining: 17.2s
5023: learn: 32.4045124 total: 17.3s remaining: 17.2s
5024: learn: 32.4015145 total: 17.3s remaining: 17.2s
5025: learn: 32.3986981 total: 17.3s remaining: 17.2s
5026: learn: 32.3938765 total: 17.3s remaining: 17.1s
5027: learn: 32.3922976 total: 17.3s remaining: 17.1s
5028: learn: 32.3889115 total: 17.3s remaining: 17.1s
5029: learn: 32.3842177 total: 17.3s remaining: 17.1s
5030: learn: 32.3809048 total: 17.4s remaining: 17.1s
5031: learn: 32.3786888 total: 17.4s remaining: 17.1s

5032: learn: 32.3770589 total: 17.4s remaining: 17.1s
5033: learn: 32.3713196 total: 17.4s remaining: 17.1s
5034: learn: 32.3676027 total: 17.4s remaining: 17.1s
5035: learn: 32.3658223 total: 17.4s remaining: 17.1s
5036: learn: 32.3615696 total: 17.4s remaining: 17.1s
5037: learn: 32.3593533 total: 17.4s remaining: 17.1s
5038: learn: 32.3572948 total: 17.4s remaining: 17.1s
5039: learn: 32.3563515 total: 17.4s remaining: 17.1s
5040: learn: 32.3543368 total: 17.4s remaining: 17.1s
5041: learn: 32.3526239 total: 17.4s remaining: 17.1s
5042: learn: 32.3520892 total: 17.4s remaining: 17.1s
5043: learn: 32.3499290 total: 17.4s remaining: 17.1s
5044: learn: 32.3469692 total: 17.4s remaining: 17.1s
5045: learn: 32.3437839 total: 17.4s remaining: 17.1s
5046: learn: 32.3426579 total: 17.4s remaining: 17.1s
5047: learn: 32.3391166 total: 17.4s remaining: 17.1s
5048: learn: 32.3360565 total: 17.4s remaining: 17.1s
5049: learn: 32.3344856 total: 17.4s remaining: 17.1s
5050: learn: 32.3307352 total: 17.4s remaining: 17.1s
5051: learn: 32.3297090 total: 17.4s remaining: 17.1s
5052: learn: 32.3270127 total: 17.4s remaining: 17.1s
5053: learn: 32.3227758 total: 17.4s remaining: 17.1s
5054: learn: 32.3212719 total: 17.4s remaining: 17.1s
5055: learn: 32.3176562 total: 17.4s remaining: 17s
5056: learn: 32.3152617 total: 17.4s remaining: 17s
5057: learn: 32.3126746 total: 17.4s remaining: 17s
5058: learn: 32.3105799 total: 17.4s remaining: 17s
5059: learn: 32.3068893 total: 17.4s remaining: 17s
5060: learn: 32.3023281 total: 17.4s remaining: 17s
5061: learn: 32.3007565 total: 17.5s remaining: 17s
5062: learn: 32.2991935 total: 17.5s remaining: 17s
5063: learn: 32.2965296 total: 17.5s remaining: 17s
5064: learn: 32.2914726 total: 17.5s remaining: 17s
5065: learn: 32.2861690 total: 17.5s remaining: 17s
5066: learn: 32.2832336 total: 17.5s remaining: 17s
5067: learn: 32.2820736 total: 17.5s remaining: 17s
5068: learn: 32.2802612 total: 17.5s remaining: 17s
5069: learn: 32.2766734 total: 17.5s remaining: 17s
5070: learn: 32.2760478 total: 17.5s remaining: 17s
5071: learn: 32.2719091 total: 17.5s remaining: 17s
5072: learn: 32.2671951 total: 17.5s remaining: 17s
5073: learn: 32.2646856 total: 17.5s remaining: 17s
5074: learn: 32.2605669 total: 17.5s remaining: 17s
5075: learn: 32.2581398 total: 17.5s remaining: 17s
5076: learn: 32.2559147 total: 17.5s remaining: 17s
5077: learn: 32.2536363 total: 17.5s remaining: 17s
5078: learn: 32.2483298 total: 17.5s remaining: 17s
5079: learn: 32.2462733 total: 17.5s remaining: 17s
5080: learn: 32.2413938 total: 17.5s remaining: 17s
5081: learn: 32.2373765 total: 17.5s remaining: 17s
5082: learn: 32.2315118 total: 17.5s remaining: 17s
5083: learn: 32.2275388 total: 17.5s remaining: 16.9s
5084: learn: 32.2261405 total: 17.5s remaining: 16.9s
5085: learn: 32.2260906 total: 17.5s remaining: 16.9s
5086: learn: 32.2247191 total: 17.5s remaining: 16.9s
5087: learn: 32.2220434 total: 17.5s remaining: 16.9s
5088: learn: 32.2205328 total: 17.5s remaining: 16.9s
5089: learn: 32.2167269 total: 17.5s remaining: 16.9s
5090: learn: 32.2148624 total: 17.6s remaining: 16.9s
5091: learn: 32.2110553 total: 17.6s remaining: 16.9s
5092: learn: 32.2081232 total: 17.6s remaining: 16.9s
5093: learn: 32.2044059 total: 17.6s remaining: 16.9s
5094: learn: 32.2011594 total: 17.6s remaining: 16.9s
5095: learn: 32.1986388 total: 17.6s remaining: 16.9s
5096: learn: 32.1959535 total: 17.6s remaining: 16.9s
5097: learn: 32.1956372 total: 17.6s remaining: 16.9s
5098: learn: 32.1925956 total: 17.6s remaining: 16.9s
5099: learn: 32.1901472 total: 17.6s remaining: 16.9s
5100: learn: 32.1869082 total: 17.6s remaining: 16.9s
5101: learn: 32.1823619 total: 17.6s remaining: 16.9s
5102: learn: 32.1809708 total: 17.6s remaining: 16.9s
5103: learn: 32.1797002 total: 17.6s remaining: 16.9s
5104: learn: 32.1771725 total: 17.6s remaining: 16.9s
5105: learn: 32.1746109 total: 17.6s remaining: 16.9s

5106: learn: 32.1715475 total: 17.6s remaining: 16.9s
5107: learn: 32.1671894 total: 17.6s remaining: 16.9s
5108: learn: 32.1651129 total: 17.6s remaining: 16.9s
5109: learn: 32.1614313 total: 17.6s remaining: 16.9s
5110: learn: 32.1584196 total: 17.6s remaining: 16.9s
5111: learn: 32.1566576 total: 17.6s remaining: 16.8s
5112: learn: 32.1531752 total: 17.6s remaining: 16.8s
5113: learn: 32.1526986 total: 17.6s remaining: 16.8s
5114: learn: 32.1516396 total: 17.6s remaining: 16.8s
5115: learn: 32.1485026 total: 17.6s remaining: 16.8s
5116: learn: 32.1440246 total: 17.6s remaining: 16.8s
5117: learn: 32.1407070 total: 17.6s remaining: 16.8s
5118: learn: 32.1382393 total: 17.6s remaining: 16.8s
5119: learn: 32.1359454 total: 17.6s remaining: 16.8s
5120: learn: 32.1359081 total: 17.6s remaining: 16.8s
5121: learn: 32.1326817 total: 17.7s remaining: 16.8s
5122: learn: 32.1306124 total: 17.7s remaining: 16.8s
5123: learn: 32.1282042 total: 17.7s remaining: 16.8s
5124: learn: 32.1239913 total: 17.7s remaining: 16.8s
5125: learn: 32.1221218 total: 17.7s remaining: 16.8s
5126: learn: 32.1178380 total: 17.7s remaining: 16.8s
5127: learn: 32.1132870 total: 17.7s remaining: 16.8s
5128: learn: 32.1110412 total: 17.7s remaining: 16.8s
5129: learn: 32.1089232 total: 17.7s remaining: 16.8s
5130: learn: 32.1065071 total: 17.7s remaining: 16.8s
5131: learn: 32.1043640 total: 17.7s remaining: 16.8s
5132: learn: 32.0995318 total: 17.7s remaining: 16.8s
5133: learn: 32.0965990 total: 17.7s remaining: 16.8s
5134: learn: 32.0917967 total: 17.7s remaining: 16.8s
5135: learn: 32.0901676 total: 17.7s remaining: 16.8s
5136: learn: 32.0885065 total: 17.7s remaining: 16.8s
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5138: learn: 32.0803457 total: 17.7s remaining: 16.8s
5139: learn: 32.0785859 total: 17.7s remaining: 16.7s
5140: learn: 32.0759725 total: 17.7s remaining: 16.7s
5141: learn: 32.0728791 total: 17.7s remaining: 16.7s
5142: learn: 32.0680229 total: 17.7s remaining: 16.7s
5143: learn: 32.0654207 total: 17.7s remaining: 16.7s
5144: learn: 32.0615964 total: 17.7s remaining: 16.7s
5145: learn: 32.0586183 total: 17.7s remaining: 16.7s
5146: learn: 32.0531291 total: 17.7s remaining: 16.7s
5147: learn: 32.0504938 total: 17.7s remaining: 16.7s
5148: learn: 32.0480370 total: 17.7s remaining: 16.7s
5149: learn: 32.0458522 total: 17.7s remaining: 16.7s
5150: learn: 32.0451419 total: 17.8s remaining: 16.7s
5151: learn: 32.0424531 total: 17.8s remaining: 16.7s
5152: learn: 32.0401352 total: 17.8s remaining: 16.7s
5153: learn: 32.0372147 total: 17.8s remaining: 16.7s
5154: learn: 32.0346598 total: 17.8s remaining: 16.7s
5155: learn: 32.0325418 total: 17.8s remaining: 16.7s
5156: learn: 32.0285107 total: 17.8s remaining: 16.7s
5157: learn: 32.0251747 total: 17.8s remaining: 16.7s
5158: learn: 32.0209990 total: 17.8s remaining: 16.7s
5159: learn: 32.0185059 total: 17.8s remaining: 16.7s
5160: learn: 32.0135466 total: 17.8s remaining: 16.7s
5161: learn: 32.0095985 total: 17.8s remaining: 16.7s
5162: learn: 32.0069557 total: 17.8s remaining: 16.7s
5163: learn: 32.0069166 total: 17.8s remaining: 16.7s
5164: learn: 32.0034094 total: 17.8s remaining: 16.7s
5165: learn: 31.9978244 total: 17.8s remaining: 16.7s
5166: learn: 31.9915175 total: 17.8s remaining: 16.7s
5167: learn: 31.9862030 total: 17.8s remaining: 16.7s
5168: learn: 31.9817595 total: 17.8s remaining: 16.6s
5169: learn: 31.9801283 total: 17.8s remaining: 16.6s
5170: learn: 31.9780992 total: 17.8s remaining: 16.6s
5171: learn: 31.9745129 total: 17.8s remaining: 16.6s
5172: learn: 31.9709955 total: 17.8s remaining: 16.6s
5173: learn: 31.9677184 total: 17.8s remaining: 16.6s
5174: learn: 31.9645349 total: 17.8s remaining: 16.6s
5175: learn: 31.9605020 total: 17.8s remaining: 16.6s
5176: learn: 31.9565182 total: 17.8s remaining: 16.6s
5177: learn: 31.9564842 total: 17.8s remaining: 16.6s
5178: learn: 31.9516162 total: 17.8s remaining: 16.6s
5179: learn: 31.9515859 total: 17.9s remaining: 16.6s

5180:	learn: 31.9486228	total: 17.9s	remaining: 16.6s
5181:	learn: 31.9411033	total: 17.9s	remaining: 16.6s
5182:	learn: 31.9399730	total: 17.9s	remaining: 16.6s
5183:	learn: 31.9366277	total: 17.9s	remaining: 16.6s
5184:	learn: 31.9323077	total: 17.9s	remaining: 16.6s
5185:	learn: 31.9303710	total: 17.9s	remaining: 16.6s
5186:	learn: 31.9262148	total: 17.9s	remaining: 16.6s
5187:	learn: 31.9240597	total: 17.9s	remaining: 16.6s
5188:	learn: 31.9204987	total: 17.9s	remaining: 16.6s
5189:	learn: 31.9199231	total: 17.9s	remaining: 16.6s
5190:	learn: 31.9187116	total: 17.9s	remaining: 16.6s
5191:	learn: 31.9164691	total: 17.9s	remaining: 16.6s
5192:	learn: 31.9144597	total: 17.9s	remaining: 16.6s
5193:	learn: 31.9139600	total: 17.9s	remaining: 16.6s
5194:	learn: 31.9118173	total: 17.9s	remaining: 16.6s
5195:	learn: 31.9092261	total: 17.9s	remaining: 16.6s
5196:	learn: 31.9068405	total: 17.9s	remaining: 16.6s
5197:	learn: 31.9054139	total: 17.9s	remaining: 16.6s
5198:	learn: 31.9015566	total: 17.9s	remaining: 16.5s
5199:	learn: 31.8966741	total: 17.9s	remaining: 16.5s
5200:	learn: 31.8930633	total: 17.9s	remaining: 16.5s
5201:	learn: 31.8905213	total: 17.9s	remaining: 16.5s
5202:	learn: 31.8872283	total: 17.9s	remaining: 16.5s
5203:	learn: 31.8831017	total: 17.9s	remaining: 16.5s
5204:	learn: 31.8824214	total: 17.9s	remaining: 16.5s
5205:	learn: 31.8799834	total: 17.9s	remaining: 16.5s
5206:	learn: 31.8767043	total: 17.9s	remaining: 16.5s
5207:	learn: 31.8750776	total: 18s	remaining: 16.5s
5208:	learn: 31.8709241	total: 18s	remaining: 16.5s
5209:	learn: 31.8694122	total: 18s	remaining: 16.5s
5210:	learn: 31.8673414	total: 18s	remaining: 16.5s
5211:	learn: 31.8655725	total: 18s	remaining: 16.5s
5212:	learn: 31.8620065	total: 18s	remaining: 16.5s
5213:	learn: 31.8597849	total: 18s	remaining: 16.5s
5214:	learn: 31.8576524	total: 18s	remaining: 16.5s
5215:	learn: 31.8548117	total: 18s	remaining: 16.5s
5216:	learn: 31.8511344	total: 18s	remaining: 16.5s
5217:	learn: 31.8480139	total: 18s	remaining: 16.5s
5218:	learn: 31.8477013	total: 18s	remaining: 16.5s
5219:	learn: 31.8427208	total: 18s	remaining: 16.5s
5220:	learn: 31.8411795	total: 18s	remaining: 16.5s
5221:	learn: 31.8386213	total: 18s	remaining: 16.5s
5222:	learn: 31.8346388	total: 18s	remaining: 16.5s
5223:	learn: 31.8297317	total: 18s	remaining: 16.5s
5224:	learn: 31.8282647	total: 18s	remaining: 16.5s
5225:	learn: 31.8274792	total: 18s	remaining: 16.5s
5226:	learn: 31.8227344	total: 18s	remaining: 16.5s
5227:	learn: 31.8197474	total: 18s	remaining: 16.5s
5228:	learn: 31.8189526	total: 18s	remaining: 16.4s
5229:	learn: 31.8172243	total: 18s	remaining: 16.4s
5230:	learn: 31.8107289	total: 18s	remaining: 16.4s
5231:	learn: 31.8093022	total: 18s	remaining: 16.4s
5232:	learn: 31.8057964	total: 18s	remaining: 16.4s
5233:	learn: 31.8022469	total: 18s	remaining: 16.4s
5234:	learn: 31.7984861	total: 18.1s	remaining: 16.4s
5235:	learn: 31.7961191	total: 18.1s	remaining: 16.4s
5236:	learn: 31.7948425	total: 18.1s	remaining: 16.4s
5237:	learn: 31.7917904	total: 18.1s	remaining: 16.4s
5238:	learn: 31.7899720	total: 18.1s	remaining: 16.4s
5239:	learn: 31.7892317	total: 18.1s	remaining: 16.4s
5240:	learn: 31.7875763	total: 18.1s	remaining: 16.4s
5241:	learn: 31.7854876	total: 18.1s	remaining: 16.4s
5242:	learn: 31.7803890	total: 18.1s	remaining: 16.4s
5243:	learn: 31.7742043	total: 18.1s	remaining: 16.4s
5244:	learn: 31.7702113	total: 18.1s	remaining: 16.4s
5245:	learn: 31.7662436	total: 18.1s	remaining: 16.4s
5246:	learn: 31.7623722	total: 18.1s	remaining: 16.4s
5247:	learn: 31.7589528	total: 18.1s	remaining: 16.4s
5248:	learn: 31.7561377	total: 18.1s	remaining: 16.4s
5249:	learn: 31.7543693	total: 18.1s	remaining: 16.4s
5250:	learn: 31.7514637	total: 18.1s	remaining: 16.4s
5251:	learn: 31.7505028	total: 18.1s	remaining: 16.4s
5252:	learn: 31.7473920	total: 18.1s	remaining: 16.4s
5253:	learn: 31.7446047	total: 18.1s	remaining: 16.4s

5254:	learn: 31.7426087	total: 18.1s	remaining: 16.4s
5255:	learn: 31.7391190	total: 18.1s	remaining: 16.4s
5256:	learn: 31.7343494	total: 18.1s	remaining: 16.4s
5257:	learn: 31.7336645	total: 18.1s	remaining: 16.4s
5258:	learn: 31.7305607	total: 18.1s	remaining: 16.4s
5259:	learn: 31.7259209	total: 18.1s	remaining: 16.3s
5260:	learn: 31.7244811	total: 18.1s	remaining: 16.3s
5261:	learn: 31.7214657	total: 18.1s	remaining: 16.3s
5262:	learn: 31.7175443	total: 18.2s	remaining: 16.3s
5263:	learn: 31.7154480	total: 18.2s	remaining: 16.3s
5264:	learn: 31.7138298	total: 18.2s	remaining: 16.3s
5265:	learn: 31.7115462	total: 18.2s	remaining: 16.3s
5266:	learn: 31.7093558	total: 18.2s	remaining: 16.3s
5267:	learn: 31.7072296	total: 18.2s	remaining: 16.3s
5268:	learn: 31.7057163	total: 18.2s	remaining: 16.3s
5269:	learn: 31.7028112	total: 18.2s	remaining: 16.3s
5270:	learn: 31.7014604	total: 18.2s	remaining: 16.3s
5271:	learn: 31.6984807	total: 18.2s	remaining: 16.3s
5272:	learn: 31.6984175	total: 18.2s	remaining: 16.3s
5273:	learn: 31.6914828	total: 18.2s	remaining: 16.3s
5274:	learn: 31.6894617	total: 18.2s	remaining: 16.3s
5275:	learn: 31.6876847	total: 18.2s	remaining: 16.3s
5276:	learn: 31.6865889	total: 18.2s	remaining: 16.3s
5277:	learn: 31.6836706	total: 18.2s	remaining: 16.3s
5278:	learn: 31.6832568	total: 18.2s	remaining: 16.3s
5279:	learn: 31.6761003	total: 18.2s	remaining: 16.3s
5280:	learn: 31.6726199	total: 18.2s	remaining: 16.3s
5281:	learn: 31.6687684	total: 18.2s	remaining: 16.3s
5282:	learn: 31.6640873	total: 18.2s	remaining: 16.3s
5283:	learn: 31.6620021	total: 18.2s	remaining: 16.3s
5284:	learn: 31.6608077	total: 18.2s	remaining: 16.3s
5285:	learn: 31.6579407	total: 18.2s	remaining: 16.3s
5286:	learn: 31.6560747	total: 18.2s	remaining: 16.3s
5287:	learn: 31.6558113	total: 18.2s	remaining: 16.3s
5288:	learn: 31.6533968	total: 18.2s	remaining: 16.3s
5289:	learn: 31.6510914	total: 18.2s	remaining: 16.2s
5290:	learn: 31.6510550	total: 18.3s	remaining: 16.2s
5291:	learn: 31.6483363	total: 18.3s	remaining: 16.2s
5292:	learn: 31.6468883	total: 18.3s	remaining: 16.2s
5293:	learn: 31.6451280	total: 18.3s	remaining: 16.2s
5294:	learn: 31.6425976	total: 18.3s	remaining: 16.2s
5295:	learn: 31.6387558	total: 18.3s	remaining: 16.2s
5296:	learn: 31.6332534	total: 18.3s	remaining: 16.2s
5297:	learn: 31.6315312	total: 18.3s	remaining: 16.2s
5298:	learn: 31.6279386	total: 18.3s	remaining: 16.2s
5299:	learn: 31.6260263	total: 18.3s	remaining: 16.2s
5300:	learn: 31.6214525	total: 18.3s	remaining: 16.2s
5301:	learn: 31.6184063	total: 18.3s	remaining: 16.2s
5302:	learn: 31.6158305	total: 18.3s	remaining: 16.2s
5303:	learn: 31.6121980	total: 18.3s	remaining: 16.2s
5304:	learn: 31.6092450	total: 18.3s	remaining: 16.2s
5305:	learn: 31.6077629	total: 18.3s	remaining: 16.2s
5306:	learn: 31.6046300	total: 18.3s	remaining: 16.2s
5307:	learn: 31.6013123	total: 18.3s	remaining: 16.2s
5308:	learn: 31.5962095	total: 18.3s	remaining: 16.2s
5309:	learn: 31.5950938	total: 18.3s	remaining: 16.2s
5310:	learn: 31.5898312	total: 18.3s	remaining: 16.2s
5311:	learn: 31.5873403	total: 18.3s	remaining: 16.2s
5312:	learn: 31.5844133	total: 18.3s	remaining: 16.2s
5313:	learn: 31.5834646	total: 18.3s	remaining: 16.2s
5314:	learn: 31.5800922	total: 18.3s	remaining: 16.2s
5315:	learn: 31.5781395	total: 18.3s	remaining: 16.2s
5316:	learn: 31.5746681	total: 18.3s	remaining: 16.2s
5317:	learn: 31.5702957	total: 18.3s	remaining: 16.1s
5318:	learn: 31.5692994	total: 18.3s	remaining: 16.1s
5319:	learn: 31.5678460	total: 18.3s	remaining: 16.1s
5320:	learn: 31.5655162	total: 18.4s	remaining: 16.1s
5321:	learn: 31.5630170	total: 18.4s	remaining: 16.1s
5322:	learn: 31.5582311	total: 18.4s	remaining: 16.1s
5323:	learn: 31.5551699	total: 18.4s	remaining: 16.1s
5324:	learn: 31.5524741	total: 18.4s	remaining: 16.1s
5325:	learn: 31.5500580	total: 18.4s	remaining: 16.1s
5326:	learn: 31.5471745	total: 18.4s	remaining: 16.1s
5327:	learn: 31.5447583	total: 18.4s	remaining: 16.1s

5328: learn: 31.5439626 total: 18.4s remaining: 16.1s
5329: learn: 31.5425119 total: 18.4s remaining: 16.1s
5330: learn: 31.5413077 total: 18.4s remaining: 16.1s
5331: learn: 31.5382096 total: 18.4s remaining: 16.1s
5332: learn: 31.5361069 total: 18.4s remaining: 16.1s
5333: learn: 31.5342362 total: 18.4s remaining: 16.1s
5334: learn: 31.5287911 total: 18.4s remaining: 16.1s
5335: learn: 31.5259437 total: 18.4s remaining: 16.1s
5336: learn: 31.5228406 total: 18.4s remaining: 16.1s
5337: learn: 31.5226905 total: 18.4s remaining: 16.1s
5338: learn: 31.5190759 total: 18.4s remaining: 16.1s
5339: learn: 31.5125123 total: 18.4s remaining: 16.1s
5340: learn: 31.5100626 total: 18.4s remaining: 16.1s
5341: learn: 31.5070624 total: 18.4s remaining: 16.1s
5342: learn: 31.5047479 total: 18.4s remaining: 16.1s
5343: learn: 31.4996696 total: 18.4s remaining: 16.1s
5344: learn: 31.4959303 total: 18.4s remaining: 16.1s
5345: learn: 31.4952120 total: 18.4s remaining: 16.1s
5346: learn: 31.4928149 total: 18.4s remaining: 16s
5347: learn: 31.4868823 total: 18.4s remaining: 16s
5348: learn: 31.4859120 total: 18.4s remaining: 16s
5349: learn: 31.4808062 total: 18.4s remaining: 16s
5350: learn: 31.4769208 total: 18.5s remaining: 16s
5351: learn: 31.4768586 total: 18.5s remaining: 16s
5352: learn: 31.4741678 total: 18.5s remaining: 16s
5353: learn: 31.4686367 total: 18.5s remaining: 16s
5354: learn: 31.4659070 total: 18.5s remaining: 16s
5355: learn: 31.4635563 total: 18.5s remaining: 16s
5356: learn: 31.4623557 total: 18.5s remaining: 16s
5357: learn: 31.4615859 total: 18.5s remaining: 16s
5358: learn: 31.4598335 total: 18.5s remaining: 16s
5359: learn: 31.4574624 total: 18.5s remaining: 16s
5360: learn: 31.4549638 total: 18.5s remaining: 16s
5361: learn: 31.4511664 total: 18.5s remaining: 16s
5362: learn: 31.4505430 total: 18.5s remaining: 16s
5363: learn: 31.4474930 total: 18.5s remaining: 16s
5364: learn: 31.4435902 total: 18.5s remaining: 16s
5365: learn: 31.4387999 total: 18.5s remaining: 16s
5366: learn: 31.4349331 total: 18.5s remaining: 16s
5367: learn: 31.4296098 total: 18.5s remaining: 16s
5368: learn: 31.4273061 total: 18.5s remaining: 16s
5369: learn: 31.4241514 total: 18.5s remaining: 16s
5370: learn: 31.4217096 total: 18.5s remaining: 16s
5371: learn: 31.4188725 total: 18.5s remaining: 16s
5372: learn: 31.4145274 total: 18.5s remaining: 16s
5373: learn: 31.4105506 total: 18.5s remaining: 16s
5374: learn: 31.4067425 total: 18.5s remaining: 15.9s
5375: learn: 31.4047283 total: 18.5s remaining: 15.9s
5376: learn: 31.4007283 total: 18.5s remaining: 15.9s
5377: learn: 31.3984913 total: 18.5s remaining: 15.9s
5378: learn: 31.3980983 total: 18.5s remaining: 15.9s
5379: learn: 31.3974987 total: 18.6s remaining: 15.9s
5380: learn: 31.3953025 total: 18.6s remaining: 15.9s
5381: learn: 31.3932477 total: 18.6s remaining: 15.9s
5382: learn: 31.3918685 total: 18.6s remaining: 15.9s
5383: learn: 31.3877057 total: 18.6s remaining: 15.9s
5384: learn: 31.3851024 total: 18.6s remaining: 15.9s
5385: learn: 31.3825811 total: 18.6s remaining: 15.9s
5386: learn: 31.3809382 total: 18.6s remaining: 15.9s
5387: learn: 31.3798868 total: 18.6s remaining: 15.9s
5388: learn: 31.3761854 total: 18.6s remaining: 15.9s
5389: learn: 31.3743447 total: 18.6s remaining: 15.9s
5390: learn: 31.3729972 total: 18.6s remaining: 15.9s
5391: learn: 31.3681647 total: 18.6s remaining: 15.9s
5392: learn: 31.3648464 total: 18.6s remaining: 15.9s
5393: learn: 31.3630477 total: 18.6s remaining: 15.9s
5394: learn: 31.3559919 total: 18.6s remaining: 15.9s
5395: learn: 31.3525963 total: 18.6s remaining: 15.9s
5396: learn: 31.3498136 total: 18.6s remaining: 15.9s
5397: learn: 31.3447219 total: 18.6s remaining: 15.9s
5398: learn: 31.3421515 total: 18.6s remaining: 15.9s
5399: learn: 31.3397509 total: 18.6s remaining: 15.9s
5400: learn: 31.3361236 total: 18.6s remaining: 15.9s
5401: learn: 31.3335826 total: 18.6s remaining: 15.9s

5402: learn: 31.3326188 total: 18.6s remaining: 15.8s
5403: learn: 31.3288541 total: 18.6s remaining: 15.8s
5404: learn: 31.3244963 total: 18.6s remaining: 15.8s
5405: learn: 31.3189460 total: 18.6s remaining: 15.8s
5406: learn: 31.3162234 total: 18.6s remaining: 15.8s
5407: learn: 31.3151252 total: 18.6s remaining: 15.8s
5408: learn: 31.3109324 total: 18.6s remaining: 15.8s
5409: learn: 31.3085014 total: 18.7s remaining: 15.8s
5410: learn: 31.3040704 total: 18.7s remaining: 15.8s
5411: learn: 31.3019641 total: 18.7s remaining: 15.8s
5412: learn: 31.3004645 total: 18.7s remaining: 15.8s
5413: learn: 31.2975634 total: 18.7s remaining: 15.8s
5414: learn: 31.2947624 total: 18.7s remaining: 15.8s
5415: learn: 31.2862058 total: 18.7s remaining: 15.8s
5416: learn: 31.2820695 total: 18.7s remaining: 15.8s
5417: learn: 31.2722124 total: 18.7s remaining: 15.8s
5418: learn: 31.2698438 total: 18.7s remaining: 15.8s
5419: learn: 31.2680007 total: 18.7s remaining: 15.8s
5420: learn: 31.2668865 total: 18.7s remaining: 15.8s
5421: learn: 31.2640192 total: 18.7s remaining: 15.8s
5422: learn: 31.2609608 total: 18.7s remaining: 15.8s
5423: learn: 31.2580270 total: 18.7s remaining: 15.8s
5424: learn: 31.2549113 total: 18.7s remaining: 15.8s
5425: learn: 31.2525487 total: 18.7s remaining: 15.8s
5426: learn: 31.2494806 total: 18.7s remaining: 15.8s
5427: learn: 31.2459495 total: 18.7s remaining: 15.8s
5428: learn: 31.2446268 total: 18.7s remaining: 15.8s
5429: learn: 31.2408672 total: 18.7s remaining: 15.8s
5430: learn: 31.2391404 total: 18.7s remaining: 15.8s
5431: learn: 31.2355490 total: 18.7s remaining: 15.7s
5432: learn: 31.2315994 total: 18.7s remaining: 15.7s
5433: learn: 31.2287798 total: 18.7s remaining: 15.7s
5434: learn: 31.2262130 total: 18.7s remaining: 15.7s
5435: learn: 31.2234230 total: 18.7s remaining: 15.7s
5436: learn: 31.2205170 total: 18.7s remaining: 15.7s
5437: learn: 31.2153618 total: 18.7s remaining: 15.7s
5438: learn: 31.2133441 total: 18.8s remaining: 15.7s
5439: learn: 31.2091841 total: 18.8s remaining: 15.7s
5440: learn: 31.2071980 total: 18.8s remaining: 15.7s
5441: learn: 31.2052737 total: 18.8s remaining: 15.7s
5442: learn: 31.2036039 total: 18.8s remaining: 15.7s
5443: learn: 31.2013446 total: 18.8s remaining: 15.7s
5444: learn: 31.2000158 total: 18.8s remaining: 15.7s
5445: learn: 31.1977280 total: 18.8s remaining: 15.7s
5446: learn: 31.1943798 total: 18.8s remaining: 15.7s
5447: learn: 31.1916299 total: 18.8s remaining: 15.7s
5448: learn: 31.1883852 total: 18.8s remaining: 15.7s
5449: learn: 31.1838778 total: 18.8s remaining: 15.7s
5450: learn: 31.1804198 total: 18.8s remaining: 15.7s
5451: learn: 31.1788705 total: 18.8s remaining: 15.7s
5452: learn: 31.1746132 total: 18.8s remaining: 15.7s
5453: learn: 31.1715588 total: 18.8s remaining: 15.7s
5454: learn: 31.1694017 total: 18.8s remaining: 15.7s
5455: learn: 31.1663339 total: 18.8s remaining: 15.7s
5456: learn: 31.1652426 total: 18.8s remaining: 15.7s
5457: learn: 31.1632516 total: 18.8s remaining: 15.7s
5458: learn: 31.1562832 total: 18.8s remaining: 15.7s
5459: learn: 31.1513817 total: 18.8s remaining: 15.7s
5460: learn: 31.1489120 total: 18.8s remaining: 15.6s
5461: learn: 31.1488665 total: 18.8s remaining: 15.6s
5462: learn: 31.1458696 total: 18.8s remaining: 15.6s
5463: learn: 31.1430417 total: 18.8s remaining: 15.6s
5464: learn: 31.1400433 total: 18.8s remaining: 15.6s
5465: learn: 31.1359569 total: 18.8s remaining: 15.6s
5466: learn: 31.1304111 total: 18.8s remaining: 15.6s
5467: learn: 31.1268764 total: 18.9s remaining: 15.6s
5468: learn: 31.1245954 total: 18.9s remaining: 15.6s
5469: learn: 31.1217020 total: 18.9s remaining: 15.6s
5470: learn: 31.1192101 total: 18.9s remaining: 15.6s
5471: learn: 31.1142009 total: 18.9s remaining: 15.6s
5472: learn: 31.1117819 total: 18.9s remaining: 15.6s
5473: learn: 31.1102072 total: 18.9s remaining: 15.6s
5474: learn: 31.1073783 total: 18.9s remaining: 15.6s
5475: learn: 31.1037030 total: 18.9s remaining: 15.6s

5476:	learn: 31.0976385	total: 18.9s	remaining: 15.6s
5477:	learn: 31.0928912	total: 18.9s	remaining: 15.6s
5478:	learn: 31.0899816	total: 18.9s	remaining: 15.6s
5479:	learn: 31.0885349	total: 18.9s	remaining: 15.6s
5480:	learn: 31.0826269	total: 18.9s	remaining: 15.6s
5481:	learn: 31.0774655	total: 18.9s	remaining: 15.6s
5482:	learn: 31.0737396	total: 18.9s	remaining: 15.6s
5483:	learn: 31.0715264	total: 18.9s	remaining: 15.6s
5484:	learn: 31.0682541	total: 18.9s	remaining: 15.6s
5485:	learn: 31.0642326	total: 18.9s	remaining: 15.6s
5486:	learn: 31.0587394	total: 18.9s	remaining: 15.6s
5487:	learn: 31.0542504	total: 18.9s	remaining: 15.6s
5488:	learn: 31.0524381	total: 18.9s	remaining: 15.6s
5489:	learn: 31.0474511	total: 18.9s	remaining: 15.5s
5490:	learn: 31.0458654	total: 18.9s	remaining: 15.5s
5491:	learn: 31.0443765	total: 18.9s	remaining: 15.5s
5492:	learn: 31.0424873	total: 18.9s	remaining: 15.5s
5493:	learn: 31.0395275	total: 18.9s	remaining: 15.5s
5494:	learn: 31.0377872	total: 18.9s	remaining: 15.5s
5495:	learn: 31.0347940	total: 18.9s	remaining: 15.5s
5496:	learn: 31.0335421	total: 18.9s	remaining: 15.5s
5497:	learn: 31.0313452	total: 19s	remaining: 15.5s
5498:	learn: 31.0279591	total: 19s	remaining: 15.5s
5499:	learn: 31.0262405	total: 19s	remaining: 15.5s
5500:	learn: 31.0252555	total: 19s	remaining: 15.5s
5501:	learn: 31.0210856	total: 19s	remaining: 15.5s
5502:	learn: 31.0148535	total: 19s	remaining: 15.5s
5503:	learn: 31.0116809	total: 19s	remaining: 15.5s
5504:	learn: 31.0091127	total: 19s	remaining: 15.5s
5505:	learn: 31.0066427	total: 19s	remaining: 15.5s
5506:	learn: 31.0034751	total: 19s	remaining: 15.5s
5507:	learn: 31.0005308	total: 19s	remaining: 15.5s
5508:	learn: 30.9987035	total: 19s	remaining: 15.5s
5509:	learn: 30.9962486	total: 19s	remaining: 15.5s
5510:	learn: 30.9930206	total: 19s	remaining: 15.5s
5511:	learn: 30.9864528	total: 19s	remaining: 15.5s
5512:	learn: 30.9836785	total: 19s	remaining: 15.5s
5513:	learn: 30.9800148	total: 19s	remaining: 15.5s
5514:	learn: 30.9788783	total: 19s	remaining: 15.5s
5515:	learn: 30.9744994	total: 19s	remaining: 15.5s
5516:	learn: 30.9719808	total: 19s	remaining: 15.5s
5517:	learn: 30.9673962	total: 19s	remaining: 15.4s
5518:	learn: 30.9658082	total: 19s	remaining: 15.4s
5519:	learn: 30.9639984	total: 19s	remaining: 15.4s
5520:	learn: 30.9618350	total: 19s	remaining: 15.4s
5521:	learn: 30.9588331	total: 19s	remaining: 15.4s
5522:	learn: 30.9565721	total: 19s	remaining: 15.4s
5523:	learn: 30.9549422	total: 19s	remaining: 15.4s
5524:	learn: 30.9520070	total: 19s	remaining: 15.4s
5525:	learn: 30.9516797	total: 19s	remaining: 15.4s
5526:	learn: 30.9485213	total: 19.1s	remaining: 15.4s
5527:	learn: 30.9457896	total: 19.1s	remaining: 15.4s
5528:	learn: 30.9457590	total: 19.1s	remaining: 15.4s
5529:	learn: 30.9434307	total: 19.1s	remaining: 15.4s
5530:	learn: 30.9418942	total: 19.1s	remaining: 15.4s
5531:	learn: 30.9371729	total: 19.1s	remaining: 15.4s
5532:	learn: 30.9337734	total: 19.1s	remaining: 15.4s
5533:	learn: 30.9311859	total: 19.1s	remaining: 15.4s
5534:	learn: 30.9276807	total: 19.1s	remaining: 15.4s
5535:	learn: 30.9259025	total: 19.1s	remaining: 15.4s
5536:	learn: 30.9220240	total: 19.1s	remaining: 15.4s
5537:	learn: 30.9187781	total: 19.1s	remaining: 15.4s
5538:	learn: 30.9141755	total: 19.1s	remaining: 15.4s
5539:	learn: 30.9105628	total: 19.1s	remaining: 15.4s
5540:	learn: 30.9077056	total: 19.1s	remaining: 15.4s
5541:	learn: 30.9050875	total: 19.1s	remaining: 15.4s
5542:	learn: 30.8990957	total: 19.1s	remaining: 15.4s
5543:	learn: 30.8983672	total: 19.1s	remaining: 15.4s
5544:	learn: 30.8956332	total: 19.1s	remaining: 15.4s
5545:	learn: 30.8926514	total: 19.1s	remaining: 15.4s
5546:	learn: 30.8892651	total: 19.1s	remaining: 15.3s
5547:	learn: 30.8862686	total: 19.1s	remaining: 15.3s
5548:	learn: 30.8829738	total: 19.1s	remaining: 15.3s
5549:	learn: 30.8799944	total: 19.1s	remaining: 15.3s

5550: learn: 30.8773626 total: 19.1s remaining: 15.3s
5551: learn: 30.8758880 total: 19.1s remaining: 15.3s
5552: learn: 30.8742997 total: 19.1s remaining: 15.3s
5553: learn: 30.8742691 total: 19.1s remaining: 15.3s
5554: learn: 30.8691988 total: 19.1s remaining: 15.3s
5555: learn: 30.8666613 total: 19.1s remaining: 15.3s
5556: learn: 30.8634514 total: 19.2s remaining: 15.3s
5557: learn: 30.8600257 total: 19.2s remaining: 15.3s
5558: learn: 30.8555725 total: 19.2s remaining: 15.3s
5559: learn: 30.8526206 total: 19.2s remaining: 15.3s
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5561: learn: 30.8479344 total: 19.2s remaining: 15.3s
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5769: learn: 30.2751847 total: 19.9s remaining: 14.6s
5770: learn: 30.2721381 total: 19.9s remaining: 14.6s
5771: learn: 30.2688412 total: 19.9s remaining: 14.6s

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5773:	learn: 30.2657993	total: 19.9s	remaining: 14.6s
5774:	learn: 30.2629274	total: 19.9s	remaining: 14.6s
5775:	learn: 30.2623457	total: 19.9s	remaining: 14.6s
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5777:	learn: 30.2558006	total: 19.9s	remaining: 14.6s
5778:	learn: 30.2531114	total: 19.9s	remaining: 14.6s
5779:	learn: 30.2502272	total: 19.9s	remaining: 14.6s
5780:	learn: 30.2464719	total: 19.9s	remaining: 14.5s
5781:	learn: 30.2429656	total: 19.9s	remaining: 14.5s
5782:	learn: 30.2429210	total: 19.9s	remaining: 14.5s
5783:	learn: 30.2387487	total: 19.9s	remaining: 14.5s
5784:	learn: 30.2360118	total: 19.9s	remaining: 14.5s
5785:	learn: 30.2343857	total: 20s	remaining: 14.5s
5786:	learn: 30.2315875	total: 20s	remaining: 14.5s
5787:	learn: 30.2311239	total: 20s	remaining: 14.5s
5788:	learn: 30.2279332	total: 20s	remaining: 14.5s
5789:	learn: 30.2256832	total: 20s	remaining: 14.5s
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5792:	learn: 30.2176092	total: 20s	remaining: 14.5s
5793:	learn: 30.2161212	total: 20s	remaining: 14.5s
5794:	learn: 30.2090367	total: 20s	remaining: 14.5s
5795:	learn: 30.2075363	total: 20s	remaining: 14.5s
5796:	learn: 30.2038168	total: 20s	remaining: 14.5s
5797:	learn: 30.2001874	total: 20s	remaining: 14.5s
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5799:	learn: 30.1949256	total: 20s	remaining: 14.5s
5800:	learn: 30.1928721	total: 20s	remaining: 14.5s
5801:	learn: 30.1889983	total: 20s	remaining: 14.5s
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5806:	learn: 30.1736275	total: 20s	remaining: 14.5s
5807:	learn: 30.1694482	total: 20s	remaining: 14.5s
5808:	learn: 30.1685733	total: 20s	remaining: 14.5s
5809:	learn: 30.1665189	total: 20s	remaining: 14.5s
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5811:	learn: 30.1599683	total: 20s	remaining: 14.4s
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5813:	learn: 30.1532136	total: 20.1s	remaining: 14.4s
5814:	learn: 30.1501741	total: 20.1s	remaining: 14.4s
5815:	learn: 30.1489321	total: 20.1s	remaining: 14.4s
5816:	learn: 30.1460215	total: 20.1s	remaining: 14.4s
5817:	learn: 30.1447201	total: 20.1s	remaining: 14.4s
5818:	learn: 30.1396842	total: 20.1s	remaining: 14.4s
5819:	learn: 30.1362395	total: 20.1s	remaining: 14.4s
5820:	learn: 30.1327189	total: 20.1s	remaining: 14.4s
5821:	learn: 30.1304834	total: 20.1s	remaining: 14.4s
5822:	learn: 30.1273520	total: 20.1s	remaining: 14.4s
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5828:	learn: 30.1113901	total: 20.1s	remaining: 14.4s
5829:	learn: 30.1086957	total: 20.1s	remaining: 14.4s
5830:	learn: 30.1065107	total: 20.1s	remaining: 14.4s
5831:	learn: 30.1039628	total: 20.1s	remaining: 14.4s
5832:	learn: 30.1015535	total: 20.1s	remaining: 14.4s
5833:	learn: 30.0996257	total: 20.1s	remaining: 14.4s
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5835:	learn: 30.0939342	total: 20.1s	remaining: 14.4s
5836:	learn: 30.0910018	total: 20.1s	remaining: 14.4s
5837:	learn: 30.0885511	total: 20.1s	remaining: 14.4s
5838:	learn: 30.0856384	total: 20.1s	remaining: 14.4s
5839:	learn: 30.0845032	total: 20.1s	remaining: 14.3s
5840:	learn: 30.0829132	total: 20.1s	remaining: 14.3s
5841:	learn: 30.0816846	total: 20.1s	remaining: 14.3s
5842:	learn: 30.0802090	total: 20.2s	remaining: 14.3s
5843:	learn: 30.0778673	total: 20.2s	remaining: 14.3s
5844:	learn: 30.0767372	total: 20.2s	remaining: 14.3s
5845:	learn: 30.0720420	total: 20.2s	remaining: 14.3s

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5892: learn: 29.9493428 total: 20.3s remaining: 14.2s
5893: learn: 29.9468002 total: 20.3s remaining: 14.2s
5894: learn: 29.9448315 total: 20.3s remaining: 14.2s
5895: learn: 29.9422027 total: 20.3s remaining: 14.2s
5896: learn: 29.9406150 total: 20.3s remaining: 14.2s
5897: learn: 29.9372687 total: 20.4s remaining: 14.2s
5898: learn: 29.9359662 total: 20.4s remaining: 14.2s
5899: learn: 29.9335523 total: 20.4s remaining: 14.1s
5900: learn: 29.9263093 total: 20.4s remaining: 14.1s
5901: learn: 29.9234926 total: 20.4s remaining: 14.1s
5902: learn: 29.9206597 total: 20.4s remaining: 14.1s
5903: learn: 29.9181206 total: 20.4s remaining: 14.1s
5904: learn: 29.9143128 total: 20.4s remaining: 14.1s
5905: learn: 29.9127970 total: 20.4s remaining: 14.1s
5906: learn: 29.9110561 total: 20.4s remaining: 14.1s
5907: learn: 29.9082541 total: 20.4s remaining: 14.1s
5908: learn: 29.9054550 total: 20.4s remaining: 14.1s
5909: learn: 29.9037918 total: 20.4s remaining: 14.1s
5910: learn: 29.9010184 total: 20.4s remaining: 14.1s
5911: learn: 29.8987525 total: 20.4s remaining: 14.1s
5912: learn: 29.8972374 total: 20.4s remaining: 14.1s
5913: learn: 29.8951723 total: 20.4s remaining: 14.1s
5914: learn: 29.8919181 total: 20.4s remaining: 14.1s
5915: learn: 29.8911747 total: 20.4s remaining: 14.1s
5916: learn: 29.8891849 total: 20.4s remaining: 14.1s
5917: learn: 29.8871398 total: 20.4s remaining: 14.1s
5918: learn: 29.8848974 total: 20.4s remaining: 14.1s
5919: learn: 29.8816570 total: 20.4s remaining: 14.1s

5920: learn: 29.8779611 total: 20.4s remaining: 14.1s
5921: learn: 29.8744545 total: 20.4s remaining: 14.1s
5922: learn: 29.8729300 total: 20.4s remaining: 14.1s
5923: learn: 29.8710585 total: 20.4s remaining: 14.1s
5924: learn: 29.8685197 total: 20.5s remaining: 14.1s
5925: learn: 29.8662686 total: 20.5s remaining: 14.1s
5926: learn: 29.8647690 total: 20.5s remaining: 14.1s
5927: learn: 29.8624108 total: 20.5s remaining: 14.1s
5928: learn: 29.8595306 total: 20.5s remaining: 14.1s
5929: learn: 29.8586059 total: 20.5s remaining: 14s
5930: learn: 29.8574831 total: 20.5s remaining: 14s
5931: learn: 29.8524847 total: 20.5s remaining: 14s
5932: learn: 29.8477121 total: 20.5s remaining: 14s
5933: learn: 29.8476300 total: 20.5s remaining: 14s
5934: learn: 29.8462562 total: 20.5s remaining: 14s
5935: learn: 29.8446453 total: 20.5s remaining: 14s
5936: learn: 29.8403024 total: 20.5s remaining: 14s
5937: learn: 29.8368377 total: 20.5s remaining: 14s
5938: learn: 29.8352035 total: 20.5s remaining: 14s
5939: learn: 29.8345953 total: 20.5s remaining: 14s
5940: learn: 29.8303848 total: 20.5s remaining: 14s
5941: learn: 29.8289017 total: 20.5s remaining: 14s
5942: learn: 29.8266127 total: 20.5s remaining: 14s
5943: learn: 29.8251190 total: 20.5s remaining: 14s
5944: learn: 29.8237716 total: 20.5s remaining: 14s
5945: learn: 29.8229096 total: 20.5s remaining: 14s
5946: learn: 29.8201861 total: 20.5s remaining: 14s
5947: learn: 29.8188479 total: 20.5s remaining: 14s
5948: learn: 29.8168127 total: 20.5s remaining: 14s
5949: learn: 29.8136563 total: 20.5s remaining: 14s
5950: learn: 29.8104880 total: 20.5s remaining: 14s
5951: learn: 29.8072065 total: 20.6s remaining: 14s
5952: learn: 29.8066436 total: 20.6s remaining: 14s
5953: learn: 29.8055740 total: 20.6s remaining: 14s
5954: learn: 29.8035323 total: 20.6s remaining: 14s
5955: learn: 29.8013537 total: 20.6s remaining: 14s
5956: learn: 29.7991942 total: 20.6s remaining: 14s
5957: learn: 29.7967108 total: 20.6s remaining: 14s
5958: learn: 29.7934691 total: 20.6s remaining: 14s
5959: learn: 29.7919589 total: 20.6s remaining: 13.9s
5960: learn: 29.7888804 total: 20.6s remaining: 13.9s
5961: learn: 29.7865036 total: 20.6s remaining: 13.9s
5962: learn: 29.7833901 total: 20.6s remaining: 13.9s
5963: learn: 29.7806451 total: 20.6s remaining: 13.9s
5964: learn: 29.7778986 total: 20.6s remaining: 13.9s
5965: learn: 29.7755780 total: 20.6s remaining: 13.9s
5966: learn: 29.7731193 total: 20.6s remaining: 13.9s
5967: learn: 29.7711966 total: 20.6s remaining: 13.9s
5968: learn: 29.7681254 total: 20.6s remaining: 13.9s
5969: learn: 29.7667751 total: 20.6s remaining: 13.9s
5970: learn: 29.7621696 total: 20.6s remaining: 13.9s
5971: learn: 29.7607338 total: 20.6s remaining: 13.9s
5972: learn: 29.7592458 total: 20.6s remaining: 13.9s
5973: learn: 29.7573556 total: 20.6s remaining: 13.9s
5974: learn: 29.7552205 total: 20.6s remaining: 13.9s
5975: learn: 29.7537717 total: 20.6s remaining: 13.9s
5976: learn: 29.7508806 total: 20.6s remaining: 13.9s
5977: learn: 29.7477975 total: 20.6s remaining: 13.9s
5978: learn: 29.7454456 total: 20.6s remaining: 13.9s
5979: learn: 29.7439747 total: 20.7s remaining: 13.9s
5980: learn: 29.7409032 total: 20.7s remaining: 13.9s
5981: learn: 29.7361616 total: 20.7s remaining: 13.9s
5982: learn: 29.7346150 total: 20.7s remaining: 13.9s
5983: learn: 29.7319578 total: 20.7s remaining: 13.9s
5984: learn: 29.7303348 total: 20.7s remaining: 13.9s
5985: learn: 29.7271422 total: 20.7s remaining: 13.9s
5986: learn: 29.7253987 total: 20.7s remaining: 13.9s
5987: learn: 29.7241344 total: 20.7s remaining: 13.9s
5988: learn: 29.7209083 total: 20.7s remaining: 13.9s
5989: learn: 29.7182411 total: 20.7s remaining: 13.8s
5990: learn: 29.7182148 total: 20.7s remaining: 13.8s
5991: learn: 29.7145626 total: 20.7s remaining: 13.8s
5992: learn: 29.7133024 total: 20.7s remaining: 13.8s
5993: learn: 29.7132678 total: 20.7s remaining: 13.8s

5994:	learn: 29.7104828	total: 20.7s	remaining: 13.8s
5995:	learn: 29.7067180	total: 20.7s	remaining: 13.8s
5996:	learn: 29.7032702	total: 20.7s	remaining: 13.8s
5997:	learn: 29.7012892	total: 20.7s	remaining: 13.8s
5998:	learn: 29.6989196	total: 20.7s	remaining: 13.8s
5999:	learn: 29.6958139	total: 20.7s	remaining: 13.8s
6000:	learn: 29.6928406	total: 20.7s	remaining: 13.8s
6001:	learn: 29.6888876	total: 20.7s	remaining: 13.8s
6002:	learn: 29.6858318	total: 20.7s	remaining: 13.8s
6003:	learn: 29.6827227	total: 20.7s	remaining: 13.8s
6004:	learn: 29.6798896	total: 20.7s	remaining: 13.8s
6005:	learn: 29.6779245	total: 20.7s	remaining: 13.8s
6006:	learn: 29.6747120	total: 20.8s	remaining: 13.8s
6007:	learn: 29.6696131	total: 20.8s	remaining: 13.8s
6008:	learn: 29.6670511	total: 20.8s	remaining: 13.8s
6009:	learn: 29.6656028	total: 20.8s	remaining: 13.8s
6010:	learn: 29.6632304	total: 20.8s	remaining: 13.8s
6011:	learn: 29.6617192	total: 20.8s	remaining: 13.8s
6012:	learn: 29.6592154	total: 20.8s	remaining: 13.8s
6013:	learn: 29.6555750	total: 20.8s	remaining: 13.8s
6014:	learn: 29.6536138	total: 20.8s	remaining: 13.8s
6015:	learn: 29.6524429	total: 20.8s	remaining: 13.8s
6016:	learn: 29.6500971	total: 20.8s	remaining: 13.8s
6017:	learn: 29.6481433	total: 20.8s	remaining: 13.8s
6018:	learn: 29.6454693	total: 20.8s	remaining: 13.8s
6019:	learn: 29.6435742	total: 20.8s	remaining: 13.8s
6020:	learn: 29.6428169	total: 20.8s	remaining: 13.7s
6021:	learn: 29.6397513	total: 20.8s	remaining: 13.7s
6022:	learn: 29.6366026	total: 20.8s	remaining: 13.7s
6023:	learn: 29.6345802	total: 20.8s	remaining: 13.7s
6024:	learn: 29.6313678	total: 20.8s	remaining: 13.7s
6025:	learn: 29.6294403	total: 20.8s	remaining: 13.7s
6026:	learn: 29.6280536	total: 20.8s	remaining: 13.7s
6027:	learn: 29.6256205	total: 20.8s	remaining: 13.7s
6028:	learn: 29.6238896	total: 20.8s	remaining: 13.7s
6029:	learn: 29.6221924	total: 20.8s	remaining: 13.7s
6030:	learn: 29.6194254	total: 20.8s	remaining: 13.7s
6031:	learn: 29.6160670	total: 20.8s	remaining: 13.7s
6032:	learn: 29.6138525	total: 20.8s	remaining: 13.7s
6033:	learn: 29.6110782	total: 20.9s	remaining: 13.7s
6034:	learn: 29.6085856	total: 20.9s	remaining: 13.7s
6035:	learn: 29.6051396	total: 20.9s	remaining: 13.7s
6036:	learn: 29.6014264	total: 20.9s	remaining: 13.7s
6037:	learn: 29.6013877	total: 20.9s	remaining: 13.7s
6038:	learn: 29.5997819	total: 20.9s	remaining: 13.7s
6039:	learn: 29.5978150	total: 20.9s	remaining: 13.7s
6040:	learn: 29.5952937	total: 20.9s	remaining: 13.7s
6041:	learn: 29.5947452	total: 20.9s	remaining: 13.7s
6042:	learn: 29.5936071	total: 20.9s	remaining: 13.7s
6043:	learn: 29.5933194	total: 20.9s	remaining: 13.7s
6044:	learn: 29.5922319	total: 20.9s	remaining: 13.7s
6045:	learn: 29.5896978	total: 20.9s	remaining: 13.7s
6046:	learn: 29.5852733	total: 20.9s	remaining: 13.7s
6047:	learn: 29.5838020	total: 20.9s	remaining: 13.7s
6048:	learn: 29.5811629	total: 20.9s	remaining: 13.7s
6049:	learn: 29.5801878	total: 20.9s	remaining: 13.7s
6050:	learn: 29.5744172	total: 20.9s	remaining: 13.6s
6051:	learn: 29.5716803	total: 20.9s	remaining: 13.6s
6052:	learn: 29.5673444	total: 20.9s	remaining: 13.6s
6053:	learn: 29.5646716	total: 20.9s	remaining: 13.6s
6054:	learn: 29.5628317	total: 20.9s	remaining: 13.6s
6055:	learn: 29.5594404	total: 20.9s	remaining: 13.6s
6056:	learn: 29.5568785	total: 20.9s	remaining: 13.6s
6057:	learn: 29.5549281	total: 20.9s	remaining: 13.6s
6058:	learn: 29.5526550	total: 20.9s	remaining: 13.6s
6059:	learn: 29.5495539	total: 20.9s	remaining: 13.6s
6060:	learn: 29.5459328	total: 20.9s	remaining: 13.6s
6061:	learn: 29.5440591	total: 21s	remaining: 13.6s
6062:	learn: 29.5404869	total: 21s	remaining: 13.6s
6063:	learn: 29.5374393	total: 21s	remaining: 13.6s
6064:	learn: 29.5350288	total: 21s	remaining: 13.6s
6065:	learn: 29.5331209	total: 21s	remaining: 13.6s
6066:	learn: 29.5310812	total: 21s	remaining: 13.6s
6067:	learn: 29.5291448	total: 21s	remaining: 13.6s

6068:	learn: 29.5277136	total: 21s	remaining: 13.6s
6069:	learn: 29.5240354	total: 21s	remaining: 13.6s
6070:	learn: 29.5215488	total: 21s	remaining: 13.6s
6071:	learn: 29.5178670	total: 21s	remaining: 13.6s
6072:	learn: 29.5162012	total: 21s	remaining: 13.6s
6073:	learn: 29.5129272	total: 21s	remaining: 13.6s
6074:	learn: 29.5104902	total: 21s	remaining: 13.6s
6075:	learn: 29.5086430	total: 21s	remaining: 13.6s
6076:	learn: 29.5046101	total: 21s	remaining: 13.6s
6077:	learn: 29.5045179	total: 21s	remaining: 13.6s
6078:	learn: 29.5027764	total: 21s	remaining: 13.6s
6079:	learn: 29.4971785	total: 21s	remaining: 13.6s
6080:	learn: 29.4950504	total: 21s	remaining: 13.5s
6081:	learn: 29.4941840	total: 21s	remaining: 13.5s
6082:	learn: 29.4934708	total: 21s	remaining: 13.5s
6083:	learn: 29.4900489	total: 21s	remaining: 13.5s
6084:	learn: 29.4870454	total: 21s	remaining: 13.5s
6085:	learn: 29.4849922	total: 21s	remaining: 13.5s
6086:	learn: 29.4831252	total: 21s	remaining: 13.5s
6087:	learn: 29.4799834	total: 21s	remaining: 13.5s
6088:	learn: 29.4785659	total: 21.1s	remaining: 13.5s
6089:	learn: 29.4775654	total: 21.1s	remaining: 13.5s
6090:	learn: 29.4749101	total: 21.1s	remaining: 13.5s
6091:	learn: 29.4727549	total: 21.1s	remaining: 13.5s
6092:	learn: 29.4707446	total: 21.1s	remaining: 13.5s
6093:	learn: 29.4681478	total: 21.1s	remaining: 13.5s
6094:	learn: 29.4661266	total: 21.1s	remaining: 13.5s
6095:	learn: 29.4624887	total: 21.1s	remaining: 13.5s
6096:	learn: 29.4612844	total: 21.1s	remaining: 13.5s
6097:	learn: 29.4591202	total: 21.1s	remaining: 13.5s
6098:	learn: 29.4571744	total: 21.1s	remaining: 13.5s
6099:	learn: 29.4547213	total: 21.1s	remaining: 13.5s
6100:	learn: 29.4530083	total: 21.1s	remaining: 13.5s
6101:	learn: 29.4512318	total: 21.1s	remaining: 13.5s
6102:	learn: 29.4492163	total: 21.1s	remaining: 13.5s
6103:	learn: 29.4458646	total: 21.1s	remaining: 13.5s
6104:	learn: 29.4433779	total: 21.1s	remaining: 13.5s
6105:	learn: 29.4417490	total: 21.1s	remaining: 13.5s
6106:	learn: 29.4399375	total: 21.1s	remaining: 13.5s
6107:	learn: 29.4383145	total: 21.1s	remaining: 13.5s
6108:	learn: 29.4361806	total: 21.1s	remaining: 13.5s
6109:	learn: 29.4341143	total: 21.1s	remaining: 13.4s
6110:	learn: 29.4308607	total: 21.1s	remaining: 13.4s
6111:	learn: 29.4269190	total: 21.1s	remaining: 13.4s
6112:	learn: 29.4259222	total: 21.1s	remaining: 13.4s
6113:	learn: 29.4235150	total: 21.1s	remaining: 13.4s
6114:	learn: 29.4193911	total: 21.1s	remaining: 13.4s
6115:	learn: 29.4166540	total: 21.1s	remaining: 13.4s
6116:	learn: 29.4131960	total: 21.1s	remaining: 13.4s
6117:	learn: 29.4114505	total: 21.2s	remaining: 13.4s
6118:	learn: 29.4066774	total: 21.2s	remaining: 13.4s
6119:	learn: 29.4025864	total: 21.2s	remaining: 13.4s
6120:	learn: 29.3996330	total: 21.2s	remaining: 13.4s
6121:	learn: 29.3964354	total: 21.2s	remaining: 13.4s
6122:	learn: 29.3932672	total: 21.2s	remaining: 13.4s
6123:	learn: 29.3905105	total: 21.2s	remaining: 13.4s
6124:	learn: 29.3868323	total: 21.2s	remaining: 13.4s
6125:	learn: 29.3856742	total: 21.2s	remaining: 13.4s
6126:	learn: 29.3856389	total: 21.2s	remaining: 13.4s
6127:	learn: 29.3833853	total: 21.2s	remaining: 13.4s
6128:	learn: 29.3816093	total: 21.2s	remaining: 13.4s
6129:	learn: 29.3773056	total: 21.2s	remaining: 13.4s
6130:	learn: 29.3743854	total: 21.2s	remaining: 13.4s
6131:	learn: 29.3715667	total: 21.2s	remaining: 13.4s
6132:	learn: 29.3678791	total: 21.2s	remaining: 13.4s
6133:	learn: 29.3662177	total: 21.2s	remaining: 13.4s
6134:	learn: 29.3634140	total: 21.2s	remaining: 13.4s
6135:	learn: 29.3608101	total: 21.2s	remaining: 13.4s
6136:	learn: 29.3582066	total: 21.2s	remaining: 13.4s
6137:	learn: 29.3557838	total: 21.2s	remaining: 13.4s
6138:	learn: 29.3522151	total: 21.2s	remaining: 13.4s
6139:	learn: 29.3484602	total: 21.2s	remaining: 13.3s
6140:	learn: 29.3443973	total: 21.2s	remaining: 13.3s
6141:	learn: 29.3427979	total: 21.2s	remaining: 13.3s

6142: learn: 29.3416165 total: 21.2s remaining: 13.3s
6143: learn: 29.3415916 total: 21.3s remaining: 13.3s
6144: learn: 29.3392648 total: 21.3s remaining: 13.3s
6145: learn: 29.3369232 total: 21.3s remaining: 13.3s
6146: learn: 29.3367970 total: 21.3s remaining: 13.3s
6147: learn: 29.3331759 total: 21.3s remaining: 13.3s
6148: learn: 29.3316866 total: 21.3s remaining: 13.3s
6149: learn: 29.3292918 total: 21.3s remaining: 13.3s
6150: learn: 29.3269359 total: 21.3s remaining: 13.3s
6151: learn: 29.3246106 total: 21.3s remaining: 13.3s
6152: learn: 29.3222805 total: 21.3s remaining: 13.3s
6153: learn: 29.3203060 total: 21.3s remaining: 13.3s
6154: learn: 29.3182961 total: 21.3s remaining: 13.3s
6155: learn: 29.3167508 total: 21.3s remaining: 13.3s
6156: learn: 29.3162390 total: 21.3s remaining: 13.3s
6157: learn: 29.3142103 total: 21.3s remaining: 13.3s
6158: learn: 29.3119564 total: 21.3s remaining: 13.3s
6159: learn: 29.3082284 total: 21.3s remaining: 13.3s
6160: learn: 29.3038041 total: 21.3s remaining: 13.3s
6161: learn: 29.3037686 total: 21.3s remaining: 13.3s
6162: learn: 29.3014409 total: 21.3s remaining: 13.3s
6163: learn: 29.2986038 total: 21.3s remaining: 13.3s
6164: learn: 29.2946807 total: 21.3s remaining: 13.3s
6165: learn: 29.2919381 total: 21.3s remaining: 13.3s
6166: learn: 29.2895810 total: 21.3s remaining: 13.3s
6167: learn: 29.2862826 total: 21.3s remaining: 13.3s
6168: learn: 29.2861712 total: 21.3s remaining: 13.3s
6169: learn: 29.2829603 total: 21.3s remaining: 13.2s
6170: learn: 29.2819756 total: 21.3s remaining: 13.2s
6171: learn: 29.2819113 total: 21.4s remaining: 13.2s
6172: learn: 29.2797067 total: 21.4s remaining: 13.2s
6173: learn: 29.2767233 total: 21.4s remaining: 13.2s
6174: learn: 29.2718985 total: 21.4s remaining: 13.2s
6175: learn: 29.2702862 total: 21.4s remaining: 13.2s
6176: learn: 29.2664832 total: 21.4s remaining: 13.2s
6177: learn: 29.2651864 total: 21.4s remaining: 13.2s
6178: learn: 29.2632125 total: 21.4s remaining: 13.2s
6179: learn: 29.2583426 total: 21.4s remaining: 13.2s
6180: learn: 29.2568155 total: 21.4s remaining: 13.2s
6181: learn: 29.2555224 total: 21.4s remaining: 13.2s
6182: learn: 29.2546450 total: 21.4s remaining: 13.2s
6183: learn: 29.2507842 total: 21.4s remaining: 13.2s
6184: learn: 29.2478596 total: 21.4s remaining: 13.2s
6185: learn: 29.2453051 total: 21.4s remaining: 13.2s
6186: learn: 29.2422587 total: 21.4s remaining: 13.2s
6187: learn: 29.2397700 total: 21.4s remaining: 13.2s
6188: learn: 29.2370185 total: 21.4s remaining: 13.2s
6189: learn: 29.2366621 total: 21.4s remaining: 13.2s
6190: learn: 29.2340934 total: 21.4s remaining: 13.2s
6191: learn: 29.2315797 total: 21.4s remaining: 13.2s
6192: learn: 29.2280197 total: 21.4s remaining: 13.2s
6193: learn: 29.2250748 total: 21.4s remaining: 13.2s
6194: learn: 29.2204248 total: 21.4s remaining: 13.2s
6195: learn: 29.2180614 total: 21.4s remaining: 13.2s
6196: learn: 29.2158676 total: 21.4s remaining: 13.2s
6197: learn: 29.2143442 total: 21.4s remaining: 13.2s
6198: learn: 29.2143229 total: 21.4s remaining: 13.2s
6199: learn: 29.2134730 total: 21.5s remaining: 13.1s
6200: learn: 29.2116102 total: 21.5s remaining: 13.1s
6201: learn: 29.2097691 total: 21.5s remaining: 13.1s
6202: learn: 29.2065636 total: 21.5s remaining: 13.1s
6203: learn: 29.2065419 total: 21.5s remaining: 13.1s
6204: learn: 29.2038401 total: 21.5s remaining: 13.1s
6205: learn: 29.2024075 total: 21.5s remaining: 13.1s
6206: learn: 29.1983097 total: 21.5s remaining: 13.1s
6207: learn: 29.1971835 total: 21.5s remaining: 13.1s
6208: learn: 29.1948342 total: 21.5s remaining: 13.1s
6209: learn: 29.1925376 total: 21.5s remaining: 13.1s
6210: learn: 29.1899480 total: 21.5s remaining: 13.1s
6211: learn: 29.1876780 total: 21.5s remaining: 13.1s
6212: learn: 29.1862974 total: 21.5s remaining: 13.1s
6213: learn: 29.1836168 total: 21.5s remaining: 13.1s
6214: learn: 29.1812996 total: 21.5s remaining: 13.1s
6215: learn: 29.1803880 total: 21.5s remaining: 13.1s

6216: learn: 29.1775097 total: 21.5s remaining: 13.1s
6217: learn: 29.1774901 total: 21.5s remaining: 13.1s
6218: learn: 29.1751135 total: 21.5s remaining: 13.1s
6219: learn: 29.1726110 total: 21.5s remaining: 13.1s
6220: learn: 29.1692917 total: 21.5s remaining: 13.1s
6221: learn: 29.1675475 total: 21.5s remaining: 13.1s
6222: learn: 29.1662566 total: 21.5s remaining: 13.1s
6223: learn: 29.1642741 total: 21.5s remaining: 13.1s
6224: learn: 29.1607742 total: 21.5s remaining: 13.1s
6225: learn: 29.1583738 total: 21.5s remaining: 13.1s
6226: learn: 29.1538275 total: 21.6s remaining: 13.1s
6227: learn: 29.1497202 total: 21.6s remaining: 13.1s
6228: learn: 29.1485780 total: 21.6s remaining: 13.1s
6229: learn: 29.1463303 total: 21.6s remaining: 13s
6230: learn: 29.1419042 total: 21.6s remaining: 13s
6231: learn: 29.1381319 total: 21.6s remaining: 13s
6232: learn: 29.1351110 total: 21.6s remaining: 13s
6233: learn: 29.1338810 total: 21.6s remaining: 13s
6234: learn: 29.1297164 total: 21.6s remaining: 13s
6235: learn: 29.1270716 total: 21.6s remaining: 13s
6236: learn: 29.1258794 total: 21.6s remaining: 13s
6237: learn: 29.1245226 total: 21.6s remaining: 13s
6238: learn: 29.1227964 total: 21.6s remaining: 13s
6239: learn: 29.1208354 total: 21.6s remaining: 13s
6240: learn: 29.1204092 total: 21.6s remaining: 13s
6241: learn: 29.1184461 total: 21.6s remaining: 13s
6242: learn: 29.1169559 total: 21.6s remaining: 13s
6243: learn: 29.1143106 total: 21.6s remaining: 13s
6244: learn: 29.1113756 total: 21.6s remaining: 13s
6245: learn: 29.1073056 total: 21.6s remaining: 13s
6246: learn: 29.1043869 total: 21.6s remaining: 13s
6247: learn: 29.1031870 total: 21.6s remaining: 13s
6248: learn: 29.1015338 total: 21.6s remaining: 13s
6249: learn: 29.1002535 total: 21.6s remaining: 13s
6250: learn: 29.0978684 total: 21.6s remaining: 13s
6251: learn: 29.0949875 total: 21.6s remaining: 13s
6252: learn: 29.0933848 total: 21.6s remaining: 13s
6253: learn: 29.0909261 total: 21.6s remaining: 13s
6254: learn: 29.0884710 total: 21.6s remaining: 13s
6255: learn: 29.0871688 total: 21.7s remaining: 13s
6256: learn: 29.0855438 total: 21.7s remaining: 13s
6257: learn: 29.0825005 total: 21.7s remaining: 12.9s
6258: learn: 29.0795945 total: 21.7s remaining: 12.9s
6259: learn: 29.0753348 total: 21.7s remaining: 12.9s
6260: learn: 29.0738239 total: 21.7s remaining: 12.9s
6261: learn: 29.0686916 total: 21.7s remaining: 12.9s
6262: learn: 29.0656103 total: 21.7s remaining: 12.9s
6263: learn: 29.0608453 total: 21.7s remaining: 12.9s
6264: learn: 29.0580548 total: 21.7s remaining: 12.9s
6265: learn: 29.0550619 total: 21.7s remaining: 12.9s
6266: learn: 29.0510413 total: 21.7s remaining: 12.9s
6267: learn: 29.0475248 total: 21.7s remaining: 12.9s
6268: learn: 29.0439341 total: 21.7s remaining: 12.9s
6269: learn: 29.0419260 total: 21.7s remaining: 12.9s
6270: learn: 29.0413036 total: 21.7s remaining: 12.9s
6271: learn: 29.0394711 total: 21.7s remaining: 12.9s
6272: learn: 29.0368039 total: 21.7s remaining: 12.9s
6273: learn: 29.0332485 total: 21.7s remaining: 12.9s
6274: learn: 29.0304841 total: 21.7s remaining: 12.9s
6275: learn: 29.0257483 total: 21.7s remaining: 12.9s
6276: learn: 29.0212885 total: 21.7s remaining: 12.9s
6277: learn: 29.0172941 total: 21.7s remaining: 12.9s
6278: learn: 29.0143228 total: 21.7s remaining: 12.9s
6279: learn: 29.0104395 total: 21.7s remaining: 12.9s
6280: learn: 29.0072539 total: 21.7s remaining: 12.9s
6281: learn: 29.0056940 total: 21.7s remaining: 12.9s
6282: learn: 29.0039808 total: 21.7s remaining: 12.9s
6283: learn: 29.0039346 total: 21.8s remaining: 12.9s
6284: learn: 28.9994611 total: 21.8s remaining: 12.9s
6285: learn: 28.9980746 total: 21.8s remaining: 12.9s
6286: learn: 28.9962344 total: 21.8s remaining: 12.9s
6287: learn: 28.9938632 total: 21.8s remaining: 12.8s
6288: learn: 28.9908980 total: 21.8s remaining: 12.8s
6289: learn: 28.9877410 total: 21.8s remaining: 12.8s

6290:	learn: 28.9858288	total: 21.8s	remaining: 12.8s
6291:	learn: 28.9833961	total: 21.8s	remaining: 12.8s
6292:	learn: 28.9801894	total: 21.8s	remaining: 12.8s
6293:	learn: 28.9778935	total: 21.8s	remaining: 12.8s
6294:	learn: 28.9743453	total: 21.8s	remaining: 12.8s
6295:	learn: 28.9726386	total: 21.8s	remaining: 12.8s
6296:	learn: 28.9694442	total: 21.8s	remaining: 12.8s
6297:	learn: 28.9661322	total: 21.8s	remaining: 12.8s
6298:	learn: 28.96339922	total: 21.8s	remaining: 12.8s
6299:	learn: 28.9625928	total: 21.8s	remaining: 12.8s
6300:	learn: 28.9610673	total: 21.8s	remaining: 12.8s
6301:	learn: 28.9586201	total: 21.8s	remaining: 12.8s
6302:	learn: 28.9559441	total: 21.8s	remaining: 12.8s
6303:	learn: 28.9547963	total: 21.8s	remaining: 12.8s
6304:	learn: 28.9511078	total: 21.8s	remaining: 12.8s
6305:	learn: 28.9487719	total: 21.8s	remaining: 12.8s
6306:	learn: 28.9464822	total: 21.8s	remaining: 12.8s
6307:	learn: 28.9446942	total: 21.8s	remaining: 12.8s
6308:	learn: 28.9410352	total: 21.8s	remaining: 12.8s
6309:	learn: 28.9390833	total: 21.8s	remaining: 12.8s
6310:	learn: 28.9371418	total: 21.9s	remaining: 12.8s
6311:	learn: 28.9339736	total: 21.9s	remaining: 12.8s
6312:	learn: 28.9311777	total: 21.9s	remaining: 12.8s
6313:	learn: 28.9282912	total: 21.9s	remaining: 12.8s
6314:	learn: 28.9263857	total: 21.9s	remaining: 12.8s
6315:	learn: 28.9248702	total: 21.9s	remaining: 12.8s
6316:	learn: 28.9228367	total: 21.9s	remaining: 12.8s
6317:	learn: 28.9218748	total: 21.9s	remaining: 12.7s
6318:	learn: 28.9190218	total: 21.9s	remaining: 12.7s
6319:	learn: 28.9180585	total: 21.9s	remaining: 12.7s
6320:	learn: 28.9149126	total: 21.9s	remaining: 12.7s
6321:	learn: 28.9129953	total: 21.9s	remaining: 12.7s
6322:	learn: 28.9104956	total: 21.9s	remaining: 12.7s
6323:	learn: 28.9087537	total: 21.9s	remaining: 12.7s
6324:	learn: 28.9061799	total: 21.9s	remaining: 12.7s
6325:	learn: 28.9037843	total: 21.9s	remaining: 12.7s
6326:	learn: 28.9024048	total: 21.9s	remaining: 12.7s
6327:	learn: 28.8986945	total: 21.9s	remaining: 12.7s
6328:	learn: 28.8962614	total: 21.9s	remaining: 12.7s
6329:	learn: 28.8939563	total: 21.9s	remaining: 12.7s
6330:	learn: 28.8920523	total: 21.9s	remaining: 12.7s
6331:	learn: 28.8903443	total: 21.9s	remaining: 12.7s
6332:	learn: 28.8867284	total: 21.9s	remaining: 12.7s
6333:	learn: 28.8851347	total: 21.9s	remaining: 12.7s
6334:	learn: 28.8838400	total: 21.9s	remaining: 12.7s
6335:	learn: 28.8821676	total: 21.9s	remaining: 12.7s
6336:	learn: 28.8810366	total: 21.9s	remaining: 12.7s
6337:	learn: 28.8784485	total: 21.9s	remaining: 12.7s
6338:	learn: 28.8762079	total: 22s	remaining: 12.7s
6339:	learn: 28.8724093	total: 22s	remaining: 12.7s
6340:	learn: 28.8700965	total: 22s	remaining: 12.7s
6341:	learn: 28.8657582	total: 22s	remaining: 12.7s
6342:	learn: 28.8631285	total: 22s	remaining: 12.7s
6343:	learn: 28.8614354	total: 22s	remaining: 12.7s
6344:	learn: 28.8599175	total: 22s	remaining: 12.7s
6345:	learn: 28.8570902	total: 22s	remaining: 12.7s
6346:	learn: 28.8555252	total: 22s	remaining: 12.7s
6347:	learn: 28.8518996	total: 22s	remaining: 12.6s
6348:	learn: 28.8490591	total: 22s	remaining: 12.6s
6349:	learn: 28.8453530	total: 22s	remaining: 12.6s
6350:	learn: 28.8410191	total: 22s	remaining: 12.6s
6351:	learn: 28.8364742	total: 22s	remaining: 12.6s
6352:	learn: 28.8364168	total: 22s	remaining: 12.6s
6353:	learn: 28.8350050	total: 22s	remaining: 12.6s
6354:	learn: 28.8319160	total: 22s	remaining: 12.6s
6355:	learn: 28.8314458	total: 22s	remaining: 12.6s
6356:	learn: 28.8285179	total: 22s	remaining: 12.6s
6357:	learn: 28.8257658	total: 22s	remaining: 12.6s
6358:	learn: 28.8247604	total: 22s	remaining: 12.6s
6359:	learn: 28.8232538	total: 22s	remaining: 12.6s
6360:	learn: 28.8199595	total: 22s	remaining: 12.6s
6361:	learn: 28.8185944	total: 22s	remaining: 12.6s
6362:	learn: 28.8167003	total: 22s	remaining: 12.6s
6363:	learn: 28.8152371	total: 22s	remaining: 12.6s

6364:	learn: 28.8137358	total: 22s	remaining: 12.6s
6365:	learn: 28.8110823	total: 22.1s	remaining: 12.6s
6366:	learn: 28.8092436	total: 22.1s	remaining: 12.6s
6367:	learn: 28.8043678	total: 22.1s	remaining: 12.6s
6368:	learn: 28.8025433	total: 22.1s	remaining: 12.6s
6369:	learn: 28.7992423	total: 22.1s	remaining: 12.6s
6370:	learn: 28.7960164	total: 22.1s	remaining: 12.6s
6371:	learn: 28.7949136	total: 22.1s	remaining: 12.6s
6372:	learn: 28.7927479	total: 22.1s	remaining: 12.6s
6373:	learn: 28.7906866	total: 22.1s	remaining: 12.6s
6374:	learn: 28.7886201	total: 22.1s	remaining: 12.6s
6375:	learn: 28.7856386	total: 22.1s	remaining: 12.6s
6376:	learn: 28.7852358	total: 22.1s	remaining: 12.5s
6377:	learn: 28.7840140	total: 22.1s	remaining: 12.5s
6378:	learn: 28.7832296	total: 22.1s	remaining: 12.5s
6379:	learn: 28.7809652	total: 22.1s	remaining: 12.5s
6380:	learn: 28.7778218	total: 22.1s	remaining: 12.5s
6381:	learn: 28.7752830	total: 22.1s	remaining: 12.5s
6382:	learn: 28.7745662	total: 22.1s	remaining: 12.5s
6383:	learn: 28.7729477	total: 22.1s	remaining: 12.5s
6384:	learn: 28.7728190	total: 22.1s	remaining: 12.5s
6385:	learn: 28.7697221	total: 22.1s	remaining: 12.5s
6386:	learn: 28.7674949	total: 22.1s	remaining: 12.5s
6387:	learn: 28.7644563	total: 22.1s	remaining: 12.5s
6388:	learn: 28.7622230	total: 22.1s	remaining: 12.5s
6389:	learn: 28.7594358	total: 22.1s	remaining: 12.5s
6390:	learn: 28.7562214	total: 22.1s	remaining: 12.5s
6391:	learn: 28.7547886	total: 22.1s	remaining: 12.5s
6392:	learn: 28.7535437	total: 22.1s	remaining: 12.5s
6393:	learn: 28.7521933	total: 22.1s	remaining: 12.5s
6394:	learn: 28.7493845	total: 22.1s	remaining: 12.5s
6395:	learn: 28.7465667	total: 22.2s	remaining: 12.5s
6396:	learn: 28.7442356	total: 22.2s	remaining: 12.5s
6397:	learn: 28.7422882	total: 22.2s	remaining: 12.5s
6398:	learn: 28.7405896	total: 22.2s	remaining: 12.5s
6399:	learn: 28.7377382	total: 22.2s	remaining: 12.5s
6400:	learn: 28.7345303	total: 22.2s	remaining: 12.5s
6401:	learn: 28.7325729	total: 22.2s	remaining: 12.5s
6402:	learn: 28.7307177	total: 22.2s	remaining: 12.5s
6403:	learn: 28.7297321	total: 22.2s	remaining: 12.5s
6404:	learn: 28.7267550	total: 22.2s	remaining: 12.5s
6405:	learn: 28.7227967	total: 22.2s	remaining: 12.4s
6406:	learn: 28.7197823	total: 22.2s	remaining: 12.4s
6407:	learn: 28.7180191	total: 22.2s	remaining: 12.4s
6408:	learn: 28.7164768	total: 22.2s	remaining: 12.4s
6409:	learn: 28.7127109	total: 22.2s	remaining: 12.4s
6410:	learn: 28.7108073	total: 22.2s	remaining: 12.4s
6411:	learn: 28.7088806	total: 22.2s	remaining: 12.4s
6412:	learn: 28.7066267	total: 22.2s	remaining: 12.4s
6413:	learn: 28.7045443	total: 22.2s	remaining: 12.4s
6414:	learn: 28.7027520	total: 22.2s	remaining: 12.4s
6415:	learn: 28.7026341	total: 22.2s	remaining: 12.4s
6416:	learn: 28.7014651	total: 22.2s	remaining: 12.4s
6417:	learn: 28.7013990	total: 22.2s	remaining: 12.4s
6418:	learn: 28.6989884	total: 22.2s	remaining: 12.4s
6419:	learn: 28.6975485	total: 22.2s	remaining: 12.4s
6420:	learn: 28.6950906	total: 22.2s	remaining: 12.4s
6421:	learn: 28.6923610	total: 22.2s	remaining: 12.4s
6422:	learn: 28.6888247	total: 22.2s	remaining: 12.4s
6423:	learn: 28.6864921	total: 22.2s	remaining: 12.4s
6424:	learn: 28.6841899	total: 22.3s	remaining: 12.4s
6425:	learn: 28.6830400	total: 22.3s	remaining: 12.4s
6426:	learn: 28.6795317	total: 22.3s	remaining: 12.4s
6427:	learn: 28.6766870	total: 22.3s	remaining: 12.4s
6428:	learn: 28.6754918	total: 22.3s	remaining: 12.4s
6429:	learn: 28.6732500	total: 22.3s	remaining: 12.4s
6430:	learn: 28.6710828	total: 22.3s	remaining: 12.4s
6431:	learn: 28.6678953	total: 22.3s	remaining: 12.4s
6432:	learn: 28.6660030	total: 22.3s	remaining: 12.4s
6433:	learn: 28.6628802	total: 22.3s	remaining: 12.3s
6434:	learn: 28.6575497	total: 22.3s	remaining: 12.3s
6435:	learn: 28.6548318	total: 22.3s	remaining: 12.3s
6436:	learn: 28.6519847	total: 22.3s	remaining: 12.3s
6437:	learn: 28.6488299	total: 22.3s	remaining: 12.3s

6438:	learn: 28.6455197	total: 22.3s	remaining: 12.3s
6439:	learn: 28.6443951	total: 22.3s	remaining: 12.3s
6440:	learn: 28.6417671	total: 22.3s	remaining: 12.3s
6441:	learn: 28.6375354	total: 22.3s	remaining: 12.3s
6442:	learn: 28.6367689	total: 22.3s	remaining: 12.3s
6443:	learn: 28.6323606	total: 22.3s	remaining: 12.3s
6444:	learn: 28.6323345	total: 22.3s	remaining: 12.3s
6445:	learn: 28.6308336	total: 22.3s	remaining: 12.3s
6446:	learn: 28.6307446	total: 22.3s	remaining: 12.3s
6447:	learn: 28.6287248	total: 22.3s	remaining: 12.3s
6448:	learn: 28.6275281	total: 22.3s	remaining: 12.3s
6449:	learn: 28.6251570	total: 22.3s	remaining: 12.3s
6450:	learn: 28.6228756	total: 22.3s	remaining: 12.3s
6451:	learn: 28.6214400	total: 22.3s	remaining: 12.3s
6452:	learn: 28.6183098	total: 22.3s	remaining: 12.3s
6453:	learn: 28.6164698	total: 22.4s	remaining: 12.3s
6454:	learn: 28.6129460	total: 22.4s	remaining: 12.3s
6455:	learn: 28.6094114	total: 22.4s	remaining: 12.3s
6456:	learn: 28.6067486	total: 22.4s	remaining: 12.3s
6457:	learn: 28.6044479	total: 22.4s	remaining: 12.3s
6458:	learn: 28.6017285	total: 22.4s	remaining: 12.3s
6459:	learn: 28.5998496	total: 22.4s	remaining: 12.3s
6460:	learn: 28.5980728	total: 22.4s	remaining: 12.3s
6461:	learn: 28.5963117	total: 22.4s	remaining: 12.3s
6462:	learn: 28.5944292	total: 22.4s	remaining: 12.2s
6463:	learn: 28.5913048	total: 22.4s	remaining: 12.2s
6464:	learn: 28.5882975	total: 22.4s	remaining: 12.2s
6465:	learn: 28.5870857	total: 22.4s	remaining: 12.2s
6466:	learn: 28.5843760	total: 22.4s	remaining: 12.2s
6467:	learn: 28.5809484	total: 22.4s	remaining: 12.2s
6468:	learn: 28.5782345	total: 22.4s	remaining: 12.2s
6469:	learn: 28.5768905	total: 22.4s	remaining: 12.2s
6470:	learn: 28.5764503	total: 22.4s	remaining: 12.2s
6471:	learn: 28.5752772	total: 22.4s	remaining: 12.2s
6472:	learn: 28.5707199	total: 22.4s	remaining: 12.2s
6473:	learn: 28.5698523	total: 22.4s	remaining: 12.2s
6474:	learn: 28.5667611	total: 22.4s	remaining: 12.2s
6475:	learn: 28.5653203	total: 22.4s	remaining: 12.2s
6476:	learn: 28.5652022	total: 22.4s	remaining: 12.2s
6477:	learn: 28.5632165	total: 22.4s	remaining: 12.2s
6478:	learn: 28.5611315	total: 22.4s	remaining: 12.2s
6479:	learn: 28.5572104	total: 22.4s	remaining: 12.2s
6480:	learn: 28.5545808	total: 22.4s	remaining: 12.2s
6481:	learn: 28.5519656	total: 22.4s	remaining: 12.2s
6482:	learn: 28.5505821	total: 22.5s	remaining: 12.2s
6483:	learn: 28.5475491	total: 22.5s	remaining: 12.2s
6484:	learn: 28.5456297	total: 22.5s	remaining: 12.2s
6485:	learn: 28.5422590	total: 22.5s	remaining: 12.2s
6486:	learn: 28.5396118	total: 22.5s	remaining: 12.2s
6487:	learn: 28.5356200	total: 22.5s	remaining: 12.2s
6488:	learn: 28.5332208	total: 22.5s	remaining: 12.2s
6489:	learn: 28.5291611	total: 22.5s	remaining: 12.2s
6490:	learn: 28.5284322	total: 22.5s	remaining: 12.2s
6491:	learn: 28.5271672	total: 22.5s	remaining: 12.1s
6492:	learn: 28.5258512	total: 22.5s	remaining: 12.1s
6493:	learn: 28.5243805	total: 22.5s	remaining: 12.1s
6494:	learn: 28.5211380	total: 22.5s	remaining: 12.1s
6495:	learn: 28.5197627	total: 22.5s	remaining: 12.1s
6496:	learn: 28.5197415	total: 22.5s	remaining: 12.1s
6497:	learn: 28.5186451	total: 22.5s	remaining: 12.1s
6498:	learn: 28.5178698	total: 22.5s	remaining: 12.1s
6499:	learn: 28.5174619	total: 22.5s	remaining: 12.1s
6500:	learn: 28.5140673	total: 22.5s	remaining: 12.1s
6501:	learn: 28.5118828	total: 22.5s	remaining: 12.1s
6502:	learn: 28.5083407	total: 22.5s	remaining: 12.1s
6503:	learn: 28.5038541	total: 22.5s	remaining: 12.1s
6504:	learn: 28.5017275	total: 22.5s	remaining: 12.1s
6505:	learn: 28.5003789	total: 22.5s	remaining: 12.1s
6506:	learn: 28.4970633	total: 22.5s	remaining: 12.1s
6507:	learn: 28.4949741	total: 22.5s	remaining: 12.1s
6508:	learn: 28.4937751	total: 22.5s	remaining: 12.1s
6509:	learn: 28.4931696	total: 22.5s	remaining: 12.1s
6510:	learn: 28.4902994	total: 22.5s	remaining: 12.1s
6511:	learn: 28.4861985	total: 22.6s	remaining: 12.1s

6512: learn: 28.4825312 total: 22.6s remaining: 12.1s
6513: learn: 28.4818007 total: 22.6s remaining: 12.1s
6514: learn: 28.4781239 total: 22.6s remaining: 12.1s
6515: learn: 28.4772727 total: 22.6s remaining: 12.1s
6516: learn: 28.4745880 total: 22.6s remaining: 12.1s
6517: learn: 28.4738967 total: 22.6s remaining: 12.1s
6518: learn: 28.4714607 total: 22.6s remaining: 12.1s
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6520: learn: 28.4663417 total: 22.6s remaining: 12s
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6527: learn: 28.4498786 total: 22.6s remaining: 12s
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6548: learn: 28.4017606 total: 22.7s remaining: 12s
6549: learn: 28.3994803 total: 22.7s remaining: 11.9s
6550: learn: 28.3952251 total: 22.7s remaining: 11.9s
6551: learn: 28.3937704 total: 22.7s remaining: 11.9s
6552: learn: 28.3905122 total: 22.7s remaining: 11.9s
6553: learn: 28.3874620 total: 22.7s remaining: 11.9s
6554: learn: 28.3841164 total: 22.7s remaining: 11.9s
6555: learn: 28.3809105 total: 22.7s remaining: 11.9s
6556: learn: 28.3781622 total: 22.7s remaining: 11.9s
6557: learn: 28.3756736 total: 22.7s remaining: 11.9s
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6562: learn: 28.3647273 total: 22.7s remaining: 11.9s
6563: learn: 28.3595696 total: 22.7s remaining: 11.9s
6564: learn: 28.3574972 total: 22.7s remaining: 11.9s
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6583: learn: 28.3189786 total: 22.8s remaining: 11.8s
6584: learn: 28.3151369 total: 22.8s remaining: 11.8s
6585: learn: 28.3125439 total: 22.8s remaining: 11.8s

6586: learn: 28.3110369 total: 22.8s remaining: 11.8s
6587: learn: 28.3066130 total: 22.8s remaining: 11.8s
6588: learn: 28.3036957 total: 22.8s remaining: 11.8s
6589: learn: 28.3009633 total: 22.8s remaining: 11.8s
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6592: learn: 28.2916862 total: 22.8s remaining: 11.8s
6593: learn: 28.2906310 total: 22.8s remaining: 11.8s
6594: learn: 28.2875684 total: 22.8s remaining: 11.8s
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6601: learn: 28.2715819 total: 22.9s remaining: 11.8s
6602: learn: 28.2705915 total: 22.9s remaining: 11.8s
6603: learn: 28.2685555 total: 22.9s remaining: 11.8s
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6607: learn: 28.2604737 total: 22.9s remaining: 11.7s
6608: learn: 28.2548846 total: 22.9s remaining: 11.7s
6609: learn: 28.2529997 total: 22.9s remaining: 11.7s
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6612: learn: 28.2499400 total: 22.9s remaining: 11.7s
6613: learn: 28.2484042 total: 22.9s remaining: 11.7s
6614: learn: 28.2453292 total: 22.9s remaining: 11.7s
6615: learn: 28.2429900 total: 22.9s remaining: 11.7s
6616: learn: 28.2384260 total: 22.9s remaining: 11.7s
6617: learn: 28.2363122 total: 22.9s remaining: 11.7s
6618: learn: 28.2339757 total: 22.9s remaining: 11.7s
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6623: learn: 28.2204114 total: 22.9s remaining: 11.7s
6624: learn: 28.2178111 total: 22.9s remaining: 11.7s
6625: learn: 28.2161035 total: 22.9s remaining: 11.7s
6626: learn: 28.2131680 total: 22.9s remaining: 11.7s
6627: learn: 28.2106144 total: 22.9s remaining: 11.7s
6628: learn: 28.2073206 total: 23s remaining: 11.7s
6629: learn: 28.2017755 total: 23s remaining: 11.7s
6630: learn: 28.1996900 total: 23s remaining: 11.7s
6631: learn: 28.1975767 total: 23s remaining: 11.7s
6632: learn: 28.1959128 total: 23s remaining: 11.7s
6633: learn: 28.1933532 total: 23s remaining: 11.7s
6634: learn: 28.1901675 total: 23s remaining: 11.7s
6635: learn: 28.1868691 total: 23s remaining: 11.6s
6636: learn: 28.1828516 total: 23s remaining: 11.6s
6637: learn: 28.1819589 total: 23s remaining: 11.6s
6638: learn: 28.1796237 total: 23s remaining: 11.6s
6639: learn: 28.1770617 total: 23s remaining: 11.6s
6640: learn: 28.1727455 total: 23s remaining: 11.6s
6641: learn: 28.1709010 total: 23s remaining: 11.6s
6642: learn: 28.1689529 total: 23s remaining: 11.6s
6643: learn: 28.1673680 total: 23s remaining: 11.6s
6644: learn: 28.1644790 total: 23s remaining: 11.6s
6645: learn: 28.1625477 total: 23s remaining: 11.6s
6646: learn: 28.1598302 total: 23s remaining: 11.6s
6647: learn: 28.1571886 total: 23s remaining: 11.6s
6648: learn: 28.1563469 total: 23s remaining: 11.6s
6649: learn: 28.1526155 total: 23s remaining: 11.6s
6650: learn: 28.1494144 total: 23s remaining: 11.6s
6651: learn: 28.1476394 total: 23s remaining: 11.6s
6652: learn: 28.1456486 total: 23s remaining: 11.6s
6653: learn: 28.1418338 total: 23s remaining: 11.6s
6654: learn: 28.1391930 total: 23s remaining: 11.6s
6655: learn: 28.1372234 total: 23s remaining: 11.6s
6656: learn: 28.1365613 total: 23s remaining: 11.6s
6657: learn: 28.1349838 total: 23.1s remaining: 11.6s
6658: learn: 28.1338849 total: 23.1s remaining: 11.6s
6659: learn: 28.1310254 total: 23.1s remaining: 11.6s

6660:	learn: 28.1300236	total: 23.1s	remaining: 11.6s
6661:	learn: 28.1287590	total: 23.1s	remaining: 11.6s
6662:	learn: 28.1247852	total: 23.1s	remaining: 11.6s
6663:	learn: 28.1209868	total: 23.1s	remaining: 11.6s
6664:	learn: 28.1185221	total: 23.1s	remaining: 11.5s
6665:	learn: 28.1173616	total: 23.1s	remaining: 11.5s
6666:	learn: 28.1135714	total: 23.1s	remaining: 11.5s
6667:	learn: 28.1097263	total: 23.1s	remaining: 11.5s
6668:	learn: 28.1085977	total: 23.1s	remaining: 11.5s
6669:	learn: 28.1073623	total: 23.1s	remaining: 11.5s
6670:	learn: 28.1060434	total: 23.1s	remaining: 11.5s
6671:	learn: 28.1044789	total: 23.1s	remaining: 11.5s
6672:	learn: 28.1025821	total: 23.1s	remaining: 11.5s
6673:	learn: 28.0979088	total: 23.1s	remaining: 11.5s
6674:	learn: 28.0974022	total: 23.1s	remaining: 11.5s
6675:	learn: 28.0960857	total: 23.1s	remaining: 11.5s
6676:	learn: 28.0941949	total: 23.1s	remaining: 11.5s
6677:	learn: 28.0935522	total: 23.1s	remaining: 11.5s
6678:	learn: 28.0891825	total: 23.1s	remaining: 11.5s
6679:	learn: 28.0879345	total: 23.1s	remaining: 11.5s
6680:	learn: 28.0848530	total: 23.1s	remaining: 11.5s
6681:	learn: 28.0836856	total: 23.1s	remaining: 11.5s
6682:	learn: 28.0828650	total: 23.1s	remaining: 11.5s
6683:	learn: 28.0808313	total: 23.1s	remaining: 11.5s
6684:	learn: 28.0781286	total: 23.1s	remaining: 11.5s
6685:	learn: 28.0753059	total: 23.1s	remaining: 11.5s
6686:	learn: 28.0728669	total: 23.1s	remaining: 11.5s
6687:	learn: 28.0706484	total: 23.2s	remaining: 11.5s
6688:	learn: 28.0688999	total: 23.2s	remaining: 11.5s
6689:	learn: 28.0671721	total: 23.2s	remaining: 11.5s
6690:	learn: 28.0655600	total: 23.2s	remaining: 11.5s
6691:	learn: 28.0634305	total: 23.2s	remaining: 11.5s
6692:	learn: 28.0618307	total: 23.2s	remaining: 11.4s
6693:	learn: 28.0580027	total: 23.2s	remaining: 11.4s
6694:	learn: 28.0548909	total: 23.2s	remaining: 11.4s
6695:	learn: 28.0530550	total: 23.2s	remaining: 11.4s
6696:	learn: 28.0499095	total: 23.2s	remaining: 11.4s
6697:	learn: 28.0474883	total: 23.2s	remaining: 11.4s
6698:	learn: 28.0443197	total: 23.2s	remaining: 11.4s
6699:	learn: 28.0424288	total: 23.2s	remaining: 11.4s
6700:	learn: 28.0394527	total: 23.2s	remaining: 11.4s
6701:	learn: 28.0381220	total: 23.2s	remaining: 11.4s
6702:	learn: 28.0364762	total: 23.2s	remaining: 11.4s
6703:	learn: 28.0339359	total: 23.2s	remaining: 11.4s
6704:	learn: 28.0318086	total: 23.2s	remaining: 11.4s
6705:	learn: 28.0305698	total: 23.2s	remaining: 11.4s
6706:	learn: 28.0291328	total: 23.2s	remaining: 11.4s
6707:	learn: 28.0280525	total: 23.2s	remaining: 11.4s
6708:	learn: 28.0242526	total: 23.2s	remaining: 11.4s
6709:	learn: 28.0219263	total: 23.2s	remaining: 11.4s
6710:	learn: 28.0191355	total: 23.2s	remaining: 11.4s
6711:	learn: 28.0162734	total: 23.2s	remaining: 11.4s
6712:	learn: 28.0148094	total: 23.2s	remaining: 11.4s
6713:	learn: 28.0134925	total: 23.2s	remaining: 11.4s
6714:	learn: 28.0115278	total: 23.2s	remaining: 11.4s
6715:	learn: 28.0083619	total: 23.2s	remaining: 11.4s
6716:	learn: 28.0065414	total: 23.3s	remaining: 11.4s
6717:	learn: 28.0042832	total: 23.3s	remaining: 11.4s
6718:	learn: 28.0024693	total: 23.3s	remaining: 11.4s
6719:	learn: 27.9989392	total: 23.3s	remaining: 11.4s
6720:	learn: 27.9960785	total: 23.3s	remaining: 11.4s
6721:	learn: 27.9943038	total: 23.3s	remaining: 11.3s
6722:	learn: 27.9920109	total: 23.3s	remaining: 11.3s
6723:	learn: 27.9892450	total: 23.3s	remaining: 11.3s
6724:	learn: 27.9868198	total: 23.3s	remaining: 11.3s
6725:	learn: 27.9851449	total: 23.3s	remaining: 11.3s
6726:	learn: 27.9833403	total: 23.3s	remaining: 11.3s
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6731:	learn: 27.9765721	total: 23.3s	remaining: 11.3s
6732:	learn: 27.9733810	total: 23.3s	remaining: 11.3s
6733:	learn: 27.9710191	total: 23.3s	remaining: 11.3s

6734: learn: 27.9705769 total: 23.3s remaining: 11.3s
6735: learn: 27.9686305 total: 23.3s remaining: 11.3s
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6748: learn: 27.9385475 total: 23.4s remaining: 11.3s
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6847: learn: 27.7283714 total: 23.7s remaining: 10.9s
6848: learn: 27.7274270 total: 23.7s remaining: 10.9s
6849: learn: 27.7258208 total: 23.7s remaining: 10.9s
6850: learn: 27.7230308 total: 23.7s remaining: 10.9s
6851: learn: 27.7200640 total: 23.7s remaining: 10.9s
6852: learn: 27.7185498 total: 23.7s remaining: 10.9s
6853: learn: 27.7169531 total: 23.7s remaining: 10.9s
6854: learn: 27.7150203 total: 23.7s remaining: 10.9s
6855: learn: 27.7138341 total: 23.7s remaining: 10.9s
6856: learn: 27.7134323 total: 23.7s remaining: 10.9s
6857: learn: 27.7120067 total: 23.7s remaining: 10.9s
6858: learn: 27.7093387 total: 23.7s remaining: 10.9s
6859: learn: 27.7071056 total: 23.7s remaining: 10.9s
6860: learn: 27.7057324 total: 23.7s remaining: 10.9s
6861: learn: 27.7033942 total: 23.7s remaining: 10.9s
6862: learn: 27.7024387 total: 23.7s remaining: 10.9s
6863: learn: 27.7012221 total: 23.7s remaining: 10.8s
6864: learn: 27.7000747 total: 23.7s remaining: 10.8s
6865: learn: 27.6982859 total: 23.8s remaining: 10.8s
6866: learn: 27.6974795 total: 23.8s remaining: 10.8s
6867: learn: 27.6947707 total: 23.8s remaining: 10.8s
6868: learn: 27.6905550 total: 23.8s remaining: 10.8s
6869: learn: 27.6878182 total: 23.8s remaining: 10.8s
6870: learn: 27.6858668 total: 23.8s remaining: 10.8s
6871: learn: 27.6837646 total: 23.8s remaining: 10.8s
6872: learn: 27.6821503 total: 23.8s remaining: 10.8s
6873: learn: 27.6800524 total: 23.8s remaining: 10.8s
6874: learn: 27.6777167 total: 23.8s remaining: 10.8s
6875: learn: 27.6750811 total: 23.8s remaining: 10.8s
6876: learn: 27.6711466 total: 23.8s remaining: 10.8s
6877: learn: 27.6700338 total: 23.8s remaining: 10.8s
6878: learn: 27.6682439 total: 23.8s remaining: 10.8s
6879: learn: 27.6652233 total: 23.8s remaining: 10.8s
6880: learn: 27.6639337 total: 23.8s remaining: 10.8s
6881: learn: 27.6622630 total: 23.8s remaining: 10.8s

6882:	learn: 27.6593432	total: 23.8s	remaining: 10.8s
6883:	learn: 27.6569535	total: 23.8s	remaining: 10.8s
6884:	learn: 27.6557156	total: 23.8s	remaining: 10.8s
6885:	learn: 27.6538395	total: 23.8s	remaining: 10.8s
6886:	learn: 27.6534047	total: 23.8s	remaining: 10.8s
6887:	learn: 27.6515610	total: 23.8s	remaining: 10.8s
6888:	learn: 27.6498371	total: 23.8s	remaining: 10.8s
6889:	learn: 27.6481396	total: 23.8s	remaining: 10.8s
6890:	learn: 27.6475289	total: 23.8s	remaining: 10.8s
6891:	learn: 27.6438881	total: 23.8s	remaining: 10.8s
6892:	learn: 27.6410105	total: 23.8s	remaining: 10.7s
6893:	learn: 27.6397978	total: 23.8s	remaining: 10.7s
6894:	learn: 27.6361121	total: 23.9s	remaining: 10.7s
6895:	learn: 27.6348170	total: 23.9s	remaining: 10.7s
6896:	learn: 27.6315113	total: 23.9s	remaining: 10.7s
6897:	learn: 27.6291988	total: 23.9s	remaining: 10.7s
6898:	learn: 27.6271088	total: 23.9s	remaining: 10.7s
6899:	learn: 27.6234077	total: 23.9s	remaining: 10.7s
6900:	learn: 27.6214606	total: 23.9s	remaining: 10.7s
6901:	learn: 27.6187589	total: 23.9s	remaining: 10.7s
6902:	learn: 27.6177005	total: 23.9s	remaining: 10.7s
6903:	learn: 27.6155113	total: 23.9s	remaining: 10.7s
6904:	learn: 27.6138276	total: 23.9s	remaining: 10.7s
6905:	learn: 27.6122503	total: 23.9s	remaining: 10.7s
6906:	learn: 27.6102253	total: 23.9s	remaining: 10.7s
6907:	learn: 27.6091465	total: 23.9s	remaining: 10.7s
6908:	learn: 27.6075466	total: 23.9s	remaining: 10.7s
6909:	learn: 27.6047211	total: 23.9s	remaining: 10.7s
6910:	learn: 27.6026426	total: 23.9s	remaining: 10.7s
6911:	learn: 27.6003661	total: 23.9s	remaining: 10.7s
6912:	learn: 27.5987500	total: 23.9s	remaining: 10.7s
6913:	learn: 27.5977258	total: 23.9s	remaining: 10.7s
6914:	learn: 27.5949307	total: 23.9s	remaining: 10.7s
6915:	learn: 27.5922766	total: 23.9s	remaining: 10.7s
6916:	learn: 27.5895155	total: 23.9s	remaining: 10.7s
6917:	learn: 27.5861055	total: 23.9s	remaining: 10.7s
6918:	learn: 27.5847588	total: 23.9s	remaining: 10.7s
6919:	learn: 27.5834826	total: 23.9s	remaining: 10.7s
6920:	learn: 27.5821064	total: 23.9s	remaining: 10.6s
6921:	learn: 27.5800666	total: 23.9s	remaining: 10.6s
6922:	learn: 27.5788812	total: 23.9s	remaining: 10.6s
6923:	learn: 27.5780230	total: 23.9s	remaining: 10.6s
6924:	learn: 27.5762858	total: 24s	remaining: 10.6s
6925:	learn: 27.5746553	total: 24s	remaining: 10.6s
6926:	learn: 27.5733289	total: 24s	remaining: 10.6s
6927:	learn: 27.5711306	total: 24s	remaining: 10.6s
6928:	learn: 27.5679320	total: 24s	remaining: 10.6s
6929:	learn: 27.5657419	total: 24s	remaining: 10.6s
6930:	learn: 27.5635160	total: 24s	remaining: 10.6s
6931:	learn: 27.5618485	total: 24s	remaining: 10.6s
6932:	learn: 27.5573556	total: 24s	remaining: 10.6s
6933:	learn: 27.5527245	total: 24s	remaining: 10.6s
6934:	learn: 27.5510095	total: 24s	remaining: 10.6s
6935:	learn: 27.5480165	total: 24s	remaining: 10.6s
6936:	learn: 27.5459910	total: 24s	remaining: 10.6s
6937:	learn: 27.5433636	total: 24s	remaining: 10.6s
6938:	learn: 27.5424479	total: 24s	remaining: 10.6s
6939:	learn: 27.5405641	total: 24s	remaining: 10.6s
6940:	learn: 27.5379285	total: 24s	remaining: 10.6s
6941:	learn: 27.5360471	total: 24s	remaining: 10.6s
6942:	learn: 27.5356409	total: 24s	remaining: 10.6s
6943:	learn: 27.5345203	total: 24s	remaining: 10.6s
6944:	learn: 27.5319661	total: 24s	remaining: 10.6s
6945:	learn: 27.5297567	total: 24s	remaining: 10.6s
6946:	learn: 27.5256034	total: 24s	remaining: 10.6s
6947:	learn: 27.5222409	total: 24s	remaining: 10.6s
6948:	learn: 27.5205378	total: 24s	remaining: 10.6s
6949:	learn: 27.5161017	total: 24s	remaining: 10.5s
6950:	learn: 27.5127499	total: 24s	remaining: 10.5s
6951:	learn: 27.5109558	total: 24s	remaining: 10.5s
6952:	learn: 27.5090417	total: 24s	remaining: 10.5s
6953:	learn: 27.5069181	total: 24s	remaining: 10.5s
6954:	learn: 27.5043753	total: 24.1s	remaining: 10.5s
6955:	learn: 27.5012725	total: 24.1s	remaining: 10.5s

6956: learn: 27.5002279 total: 24.1s remaining: 10.5s
6957: learn: 27.4979321 total: 24.1s remaining: 10.5s
6958: learn: 27.4956520 total: 24.1s remaining: 10.5s
6959: learn: 27.4938670 total: 24.1s remaining: 10.5s
6960: learn: 27.4915212 total: 24.1s remaining: 10.5s
6961: learn: 27.4890997 total: 24.1s remaining: 10.5s
6962: learn: 27.4868425 total: 24.1s remaining: 10.5s
6963: learn: 27.4851846 total: 24.1s remaining: 10.5s
6964: learn: 27.4831721 total: 24.1s remaining: 10.5s
6965: learn: 27.4812280 total: 24.1s remaining: 10.5s
6966: learn: 27.4770812 total: 24.1s remaining: 10.5s
6967: learn: 27.4761334 total: 24.1s remaining: 10.5s
6968: learn: 27.4744738 total: 24.1s remaining: 10.5s
6969: learn: 27.4741461 total: 24.1s remaining: 10.5s
6970: learn: 27.4737707 total: 24.1s remaining: 10.5s
6971: learn: 27.4714670 total: 24.1s remaining: 10.5s
6972: learn: 27.4703037 total: 24.1s remaining: 10.5s
6973: learn: 27.4681880 total: 24.1s remaining: 10.5s
6974: learn: 27.4644250 total: 24.1s remaining: 10.5s
6975: learn: 27.4631095 total: 24.1s remaining: 10.5s
6976: learn: 27.4607510 total: 24.1s remaining: 10.5s
6977: learn: 27.4580554 total: 24.1s remaining: 10.4s
6978: learn: 27.4562585 total: 24.1s remaining: 10.4s
6979: learn: 27.4537796 total: 24.1s remaining: 10.4s
6980: learn: 27.4513189 total: 24.1s remaining: 10.4s
6981: learn: 27.4488525 total: 24.1s remaining: 10.4s
6982: learn: 27.4461703 total: 24.1s remaining: 10.4s
6983: learn: 27.4443856 total: 24.1s remaining: 10.4s
6984: learn: 27.4416049 total: 24.2s remaining: 10.4s
6985: learn: 27.4389131 total: 24.2s remaining: 10.4s
6986: learn: 27.4386306 total: 24.2s remaining: 10.4s
6987: learn: 27.4369836 total: 24.2s remaining: 10.4s
6988: learn: 27.4331179 total: 24.2s remaining: 10.4s
6989: learn: 27.4309828 total: 24.2s remaining: 10.4s
6990: learn: 27.4290217 total: 24.2s remaining: 10.4s
6991: learn: 27.4266429 total: 24.2s remaining: 10.4s
6992: learn: 27.4227175 total: 24.2s remaining: 10.4s
6993: learn: 27.4207532 total: 24.2s remaining: 10.4s
6994: learn: 27.4184044 total: 24.2s remaining: 10.4s
6995: learn: 27.4160661 total: 24.2s remaining: 10.4s
6996: learn: 27.4140975 total: 24.2s remaining: 10.4s
6997: learn: 27.4130771 total: 24.2s remaining: 10.4s
6998: learn: 27.4110643 total: 24.2s remaining: 10.4s
6999: learn: 27.4101950 total: 24.2s remaining: 10.4s
7000: learn: 27.4078766 total: 24.2s remaining: 10.4s
7001: learn: 27.4067682 total: 24.2s remaining: 10.4s
7002: learn: 27.4059049 total: 24.2s remaining: 10.4s
7003: learn: 27.4036474 total: 24.2s remaining: 10.4s
7004: learn: 27.4022618 total: 24.2s remaining: 10.4s
7005: learn: 27.3993523 total: 24.2s remaining: 10.4s
7006: learn: 27.3960635 total: 24.2s remaining: 10.3s
7007: learn: 27.3932027 total: 24.2s remaining: 10.3s
7008: learn: 27.3916796 total: 24.2s remaining: 10.3s
7009: learn: 27.3894400 total: 24.2s remaining: 10.3s
7010: learn: 27.3874717 total: 24.2s remaining: 10.3s
7011: learn: 27.3859820 total: 24.2s remaining: 10.3s
7012: learn: 27.3846082 total: 24.2s remaining: 10.3s
7013: learn: 27.3800291 total: 24.2s remaining: 10.3s
7014: learn: 27.3789161 total: 24.3s remaining: 10.3s
7015: learn: 27.3752639 total: 24.3s remaining: 10.3s
7016: learn: 27.3736744 total: 24.3s remaining: 10.3s
7017: learn: 27.3722029 total: 24.3s remaining: 10.3s
7018: learn: 27.3696048 total: 24.3s remaining: 10.3s
7019: learn: 27.3676348 total: 24.3s remaining: 10.3s
7020: learn: 27.3654601 total: 24.3s remaining: 10.3s
7021: learn: 27.3628698 total: 24.3s remaining: 10.3s
7022: learn: 27.3627523 total: 24.3s remaining: 10.3s
7023: learn: 27.3610935 total: 24.3s remaining: 10.3s
7024: learn: 27.3584681 total: 24.3s remaining: 10.3s
7025: learn: 27.3541938 total: 24.3s remaining: 10.3s
7026: learn: 27.3518051 total: 24.3s remaining: 10.3s
7027: learn: 27.3494850 total: 24.3s remaining: 10.3s
7028: learn: 27.3473635 total: 24.3s remaining: 10.3s
7029: learn: 27.3438508 total: 24.3s remaining: 10.3s

7030:	learn: 27.3431182	total: 24.3s	remaining: 10.3s
7031:	learn: 27.3414107	total: 24.3s	remaining: 10.3s
7032:	learn: 27.3411401	total: 24.3s	remaining: 10.3s
7033:	learn: 27.3389715	total: 24.3s	remaining: 10.3s
7034:	learn: 27.3357119	total: 24.3s	remaining: 10.2s
7035:	learn: 27.3326342	total: 24.3s	remaining: 10.2s
7036:	learn: 27.3314305	total: 24.3s	remaining: 10.2s
7037:	learn: 27.3277971	total: 24.3s	remaining: 10.2s
7038:	learn: 27.3246335	total: 24.3s	remaining: 10.2s
7039:	learn: 27.3219581	total: 24.3s	remaining: 10.2s
7040:	learn: 27.3195003	total: 24.3s	remaining: 10.2s
7041:	learn: 27.3169023	total: 24.3s	remaining: 10.2s
7042:	learn: 27.3160912	total: 24.3s	remaining: 10.2s
7043:	learn: 27.3137609	total: 24.4s	remaining: 10.2s
7044:	learn: 27.3111991	total: 24.4s	remaining: 10.2s
7045:	learn: 27.3093803	total: 24.4s	remaining: 10.2s
7046:	learn: 27.3062822	total: 24.4s	remaining: 10.2s
7047:	learn: 27.3046170	total: 24.4s	remaining: 10.2s
7048:	learn: 27.3016421	total: 24.4s	remaining: 10.2s
7049:	learn: 27.2998724	total: 24.4s	remaining: 10.2s
7050:	learn: 27.2985872	total: 24.4s	remaining: 10.2s
7051:	learn: 27.2957705	total: 24.4s	remaining: 10.2s
7052:	learn: 27.2940170	total: 24.4s	remaining: 10.2s
7053:	learn: 27.2900282	total: 24.4s	remaining: 10.2s
7054:	learn: 27.2890722	total: 24.4s	remaining: 10.2s
7055:	learn: 27.2872674	total: 24.4s	remaining: 10.2s
7056:	learn: 27.2843587	total: 24.4s	remaining: 10.2s
7057:	learn: 27.2828861	total: 24.4s	remaining: 10.2s
7058:	learn: 27.2810125	total: 24.4s	remaining: 10.2s
7059:	learn: 27.2785479	total: 24.4s	remaining: 10.2s
7060:	learn: 27.2767666	total: 24.4s	remaining: 10.2s
7061:	learn: 27.2757013	total: 24.4s	remaining: 10.2s
7062:	learn: 27.2729801	total: 24.4s	remaining: 10.2s
7063:	learn: 27.2704362	total: 24.4s	remaining: 10.1s
7064:	learn: 27.2672146	total: 24.4s	remaining: 10.1s
7065:	learn: 27.2647399	total: 24.4s	remaining: 10.1s
7066:	learn: 27.2624261	total: 24.4s	remaining: 10.1s
7067:	learn: 27.2609332	total: 24.4s	remaining: 10.1s
7068:	learn: 27.2561469	total: 24.4s	remaining: 10.1s
7069:	learn: 27.2560255	total: 24.4s	remaining: 10.1s
7070:	learn: 27.2521973	total: 24.4s	remaining: 10.1s
7071:	learn: 27.2504587	total: 24.4s	remaining: 10.1s
7072:	learn: 27.2487919	total: 24.4s	remaining: 10.1s
7073:	learn: 27.2463484	total: 24.4s	remaining: 10.1s
7074:	learn: 27.2436044	total: 24.5s	remaining: 10.1s
7075:	learn: 27.2404479	total: 24.5s	remaining: 10.1s
7076:	learn: 27.2372980	total: 24.5s	remaining: 10.1s
7077:	learn: 27.2363689	total: 24.5s	remaining: 10.1s
7078:	learn: 27.2353845	total: 24.5s	remaining: 10.1s
7079:	learn: 27.2340550	total: 24.5s	remaining: 10.1s
7080:	learn: 27.2325188	total: 24.5s	remaining: 10.1s
7081:	learn: 27.2288691	total: 24.5s	remaining: 10.1s
7082:	learn: 27.2266318	total: 24.5s	remaining: 10.1s
7083:	learn: 27.2265466	total: 24.5s	remaining: 10.1s
7084:	learn: 27.2253666	total: 24.5s	remaining: 10.1s
7085:	learn: 27.2225970	total: 24.5s	remaining: 10.1s
7086:	learn: 27.2198333	total: 24.5s	remaining: 10.1s
7087:	learn: 27.2183895	total: 24.5s	remaining: 10.1s
7088:	learn: 27.2164785	total: 24.5s	remaining: 10.1s
7089:	learn: 27.2159500	total: 24.5s	remaining: 10.1s
7090:	learn: 27.2130709	total: 24.5s	remaining: 10.1s
7091:	learn: 27.2110963	total: 24.5s	remaining: 10.1s
7092:	learn: 27.2061875	total: 24.5s	remaining: 10s
7093:	learn: 27.2043871	total: 24.5s	remaining: 10s
7094:	learn: 27.2021338	total: 24.5s	remaining: 10s
7095:	learn: 27.2008465	total: 24.5s	remaining: 10s
7096:	learn: 27.1983211	total: 24.5s	remaining: 10s
7097:	learn: 27.1982995	total: 24.5s	remaining: 10s
7098:	learn: 27.1964313	total: 24.5s	remaining: 10s
7099:	learn: 27.1951918	total: 24.5s	remaining: 10s
7100:	learn: 27.1912841	total: 24.5s	remaining: 10s
7101:	learn: 27.1907767	total: 24.5s	remaining: 10s
7102:	learn: 27.1876970	total: 24.5s	remaining: 10s
7103:	learn: 27.1866266	total: 24.5s	remaining: 10s

7104:	learn: 27.1845543	total: 24.6s	remaining: 10s
7105:	learn: 27.1832919	total: 24.6s	remaining: 10s
7106:	learn: 27.1811271	total: 24.6s	remaining: 10s
7107:	learn: 27.1789573	total: 24.6s	remaining: 9.99s
7108:	learn: 27.1778340	total: 24.6s	remaining: 9.99s
7109:	learn: 27.1760421	total: 24.6s	remaining: 9.99s
7110:	learn: 27.1753419	total: 24.6s	remaining: 9.98s
7111:	learn: 27.1733927	total: 24.6s	remaining: 9.98s
7112:	learn: 27.1715837	total: 24.6s	remaining: 9.98s
7113:	learn: 27.1698110	total: 24.6s	remaining: 9.97s
7114:	learn: 27.1682538	total: 24.6s	remaining: 9.97s
7115:	learn: 27.1661299	total: 24.6s	remaining: 9.97s
7116:	learn: 27.1652813	total: 24.6s	remaining: 9.96s
7117:	learn: 27.1629389	total: 24.6s	remaining: 9.96s
7118:	learn: 27.1616494	total: 24.6s	remaining: 9.96s
7119:	learn: 27.1597570	total: 24.6s	remaining: 9.95s
7120:	learn: 27.1581881	total: 24.6s	remaining: 9.95s
7121:	learn: 27.1562906	total: 24.6s	remaining: 9.95s
7122:	learn: 27.1545903	total: 24.6s	remaining: 9.94s
7123:	learn: 27.1540648	total: 24.6s	remaining: 9.94s
7124:	learn: 27.1498734	total: 24.6s	remaining: 9.94s
7125:	learn: 27.1482683	total: 24.6s	remaining: 9.93s
7126:	learn: 27.1459899	total: 24.6s	remaining: 9.93s
7127:	learn: 27.1439469	total: 24.6s	remaining: 9.93s
7128:	learn: 27.1417804	total: 24.6s	remaining: 9.92s
7129:	learn: 27.1407964	total: 24.6s	remaining: 9.92s
7130:	learn: 27.1400967	total: 24.6s	remaining: 9.91s
7131:	learn: 27.1387021	total: 24.6s	remaining: 9.91s
7132:	learn: 27.1357195	total: 24.6s	remaining: 9.91s
7133:	learn: 27.1327625	total: 24.7s	remaining: 9.9s
7134:	learn: 27.1314921	total: 24.7s	remaining: 9.9s
7135:	learn: 27.1298649	total: 24.7s	remaining: 9.9s
7136:	learn: 27.1297228	total: 24.7s	remaining: 9.89s
7137:	learn: 27.1268378	total: 24.7s	remaining: 9.89s
7138:	learn: 27.1234970	total: 24.7s	remaining: 9.89s
7139:	learn: 27.1215595	total: 24.7s	remaining: 9.88s
7140:	learn: 27.1170280	total: 24.7s	remaining: 9.88s
7141:	learn: 27.1154114	total: 24.7s	remaining: 9.88s
7142:	learn: 27.1137903	total: 24.7s	remaining: 9.87s
7143:	learn: 27.1107196	total: 24.7s	remaining: 9.87s
7144:	learn: 27.1089927	total: 24.7s	remaining: 9.87s
7145:	learn: 27.1069923	total: 24.7s	remaining: 9.86s
7146:	learn: 27.1053033	total: 24.7s	remaining: 9.86s
7147:	learn: 27.1031868	total: 24.7s	remaining: 9.86s
7148:	learn: 27.1009867	total: 24.7s	remaining: 9.85s
7149:	learn: 27.0981267	total: 24.7s	remaining: 9.85s
7150:	learn: 27.0951104	total: 24.7s	remaining: 9.84s
7151:	learn: 27.0938462	total: 24.7s	remaining: 9.84s
7152:	learn: 27.0917730	total: 24.7s	remaining: 9.84s
7153:	learn: 27.0890431	total: 24.7s	remaining: 9.83s
7154:	learn: 27.0857206	total: 24.7s	remaining: 9.83s
7155:	learn: 27.0833359	total: 24.7s	remaining: 9.83s
7156:	learn: 27.0815465	total: 24.7s	remaining: 9.82s
7157:	learn: 27.0793973	total: 24.7s	remaining: 9.82s
7158:	learn: 27.0786209	total: 24.7s	remaining: 9.82s
7159:	learn: 27.0780641	total: 24.7s	remaining: 9.81s
7160:	learn: 27.0763453	total: 24.7s	remaining: 9.81s
7161:	learn: 27.0749748	total: 24.7s	remaining: 9.81s
7162:	learn: 27.0721066	total: 24.8s	remaining: 9.8s
7163:	learn: 27.0689683	total: 24.8s	remaining: 9.8s
7164:	learn: 27.0665223	total: 24.8s	remaining: 9.8s
7165:	learn: 27.0649040	total: 24.8s	remaining: 9.79s
7166:	learn: 27.0624748	total: 24.8s	remaining: 9.79s
7167:	learn: 27.0606144	total: 24.8s	remaining: 9.79s
7168:	learn: 27.0588038	total: 24.8s	remaining: 9.78s
7169:	learn: 27.0562849	total: 24.8s	remaining: 9.78s
7170:	learn: 27.0541889	total: 24.8s	remaining: 9.78s
7171:	learn: 27.0516142	total: 24.8s	remaining: 9.77s
7172:	learn: 27.0499493	total: 24.8s	remaining: 9.77s
7173:	learn: 27.0477242	total: 24.8s	remaining: 9.76s
7174:	learn: 27.0467556	total: 24.8s	remaining: 9.76s
7175:	learn: 27.0452869	total: 24.8s	remaining: 9.76s
7176:	learn: 27.0440299	total: 24.8s	remaining: 9.75s
7177:	learn: 27.0417941	total: 24.8s	remaining: 9.75s

7178:	learn: 27.0417790	total: 24.8s	remaining: 9.75s
7179:	learn: 27.0382298	total: 24.8s	remaining: 9.74s
7180:	learn: 27.0366014	total: 24.8s	remaining: 9.74s
7181:	learn: 27.0332662	total: 24.8s	remaining: 9.74s
7182:	learn: 27.0312889	total: 24.8s	remaining: 9.73s
7183:	learn: 27.0292760	total: 24.8s	remaining: 9.73s
7184:	learn: 27.0277379	total: 24.8s	remaining: 9.73s
7185:	learn: 27.0248444	total: 24.8s	remaining: 9.72s
7186:	learn: 27.0213618	total: 24.8s	remaining: 9.72s
7187:	learn: 27.0179486	total: 24.8s	remaining: 9.72s
7188:	learn: 27.0155134	total: 24.8s	remaining: 9.71s
7189:	learn: 27.0128685	total: 24.8s	remaining: 9.71s
7190:	learn: 27.0118565	total: 24.8s	remaining: 9.71s
7191:	learn: 27.0111484	total: 24.9s	remaining: 9.7s
7192:	learn: 27.0087649	total: 24.9s	remaining: 9.7s
7193:	learn: 27.0066576	total: 24.9s	remaining: 9.7s
7194:	learn: 27.0058438	total: 24.9s	remaining: 9.69s
7195:	learn: 27.0049622	total: 24.9s	remaining: 9.69s
7196:	learn: 27.0034770	total: 24.9s	remaining: 9.68s
7197:	learn: 27.0008511	total: 24.9s	remaining: 9.68s
7198:	learn: 26.9982848	total: 24.9s	remaining: 9.68s
7199:	learn: 26.9961734	total: 24.9s	remaining: 9.67s
7200:	learn: 26.9948761	total: 24.9s	remaining: 9.67s
7201:	learn: 26.9940931	total: 24.9s	remaining: 9.67s
7202:	learn: 26.9923985	total: 24.9s	remaining: 9.66s
7203:	learn: 26.9891984	total: 24.9s	remaining: 9.66s
7204:	learn: 26.9865721	total: 24.9s	remaining: 9.66s
7205:	learn: 26.9832051	total: 24.9s	remaining: 9.65s
7206:	learn: 26.9811782	total: 24.9s	remaining: 9.65s
7207:	learn: 26.9795386	total: 24.9s	remaining: 9.65s
7208:	learn: 26.9773854	total: 24.9s	remaining: 9.64s
7209:	learn: 26.9756600	total: 24.9s	remaining: 9.64s
7210:	learn: 26.9747361	total: 24.9s	remaining: 9.64s
7211:	learn: 26.9713786	total: 24.9s	remaining: 9.63s
7212:	learn: 26.9688470	total: 24.9s	remaining: 9.63s
7213:	learn: 26.9646303	total: 24.9s	remaining: 9.63s
7214:	learn: 26.9618428	total: 24.9s	remaining: 9.62s
7215:	learn: 26.9587140	total: 24.9s	remaining: 9.62s
7216:	learn: 26.9564292	total: 24.9s	remaining: 9.62s
7217:	learn: 26.9549048	total: 24.9s	remaining: 9.61s
7218:	learn: 26.9522502	total: 24.9s	remaining: 9.61s
7219:	learn: 26.9475268	total: 24.9s	remaining: 9.61s
7220:	learn: 26.9442249	total: 24.9s	remaining: 9.6s
7221:	learn: 26.9427172	total: 25s	remaining: 9.6s
7222:	learn: 26.9414599	total: 25s	remaining: 9.59s
7223:	learn: 26.9389910	total: 25s	remaining: 9.59s
7224:	learn: 26.9375297	total: 25s	remaining: 9.59s
7225:	learn: 26.9351042	total: 25s	remaining: 9.58s
7226:	learn: 26.9321728	total: 25s	remaining: 9.58s
7227:	learn: 26.9314174	total: 25s	remaining: 9.58s
7228:	learn: 26.9301992	total: 25s	remaining: 9.57s
7229:	learn: 26.9286317	total: 25s	remaining: 9.57s
7230:	learn: 26.9262147	total: 25s	remaining: 9.57s
7231:	learn: 26.9227465	total: 25s	remaining: 9.56s
7232:	learn: 26.9212212	total: 25s	remaining: 9.56s
7233:	learn: 26.9210219	total: 25s	remaining: 9.56s
7234:	learn: 26.9188692	total: 25s	remaining: 9.55s
7235:	learn: 26.9181307	total: 25s	remaining: 9.55s
7236:	learn: 26.9171723	total: 25s	remaining: 9.54s
7237:	learn: 26.9147549	total: 25s	remaining: 9.54s
7238:	learn: 26.9124625	total: 25s	remaining: 9.54s
7239:	learn: 26.9107350	total: 25s	remaining: 9.54s
7240:	learn: 26.9080434	total: 25s	remaining: 9.53s
7241:	learn: 26.9058084	total: 25s	remaining: 9.53s
7242:	learn: 26.9041008	total: 25s	remaining: 9.52s
7243:	learn: 26.9006957	total: 25s	remaining: 9.52s
7244:	learn: 26.8984706	total: 25s	remaining: 9.52s
7245:	learn: 26.8961882	total: 25s	remaining: 9.51s
7246:	learn: 26.8959533	total: 25s	remaining: 9.51s
7247:	learn: 26.8926092	total: 25s	remaining: 9.51s
7248:	learn: 26.8914160	total: 25s	remaining: 9.5s
7249:	learn: 26.8895237	total: 25s	remaining: 9.5s
7250:	learn: 26.8886389	total: 25.1s	remaining: 9.5s
7251:	learn: 26.8860355	total: 25.1s	remaining: 9.49s

7252:	learn: 26.8838536	total: 25.1s	remaining: 9.49s
7253:	learn: 26.8837132	total: 25.1s	remaining: 9.49s
7254:	learn: 26.8821354	total: 25.1s	remaining: 9.48s
7255:	learn: 26.8804528	total: 25.1s	remaining: 9.48s
7256:	learn: 26.8795184	total: 25.1s	remaining: 9.48s
7257:	learn: 26.8775365	total: 25.1s	remaining: 9.47s
7258:	learn: 26.8764159	total: 25.1s	remaining: 9.47s
7259:	learn: 26.8744635	total: 25.1s	remaining: 9.46s
7260:	learn: 26.8724924	total: 25.1s	remaining: 9.46s
7261:	learn: 26.8710700	total: 25.1s	remaining: 9.46s
7262:	learn: 26.8660724	total: 25.1s	remaining: 9.46s
7263:	learn: 26.8634802	total: 25.1s	remaining: 9.45s
7264:	learn: 26.8603829	total: 25.1s	remaining: 9.45s
7265:	learn: 26.8590022	total: 25.1s	remaining: 9.44s
7266:	learn: 26.8580039	total: 25.1s	remaining: 9.44s
7267:	learn: 26.8557759	total: 25.1s	remaining: 9.44s
7268:	learn: 26.8528228	total: 25.1s	remaining: 9.43s
7269:	learn: 26.8498088	total: 25.1s	remaining: 9.43s
7270:	learn: 26.8471313	total: 25.1s	remaining: 9.43s
7271:	learn: 26.8453076	total: 25.1s	remaining: 9.42s
7272:	learn: 26.8421802	total: 25.1s	remaining: 9.42s
7273:	learn: 26.8389409	total: 25.1s	remaining: 9.42s
7274:	learn: 26.8362537	total: 25.1s	remaining: 9.41s
7275:	learn: 26.8336905	total: 25.1s	remaining: 9.41s
7276:	learn: 26.8326016	total: 25.1s	remaining: 9.41s
7277:	learn: 26.8279123	total: 25.1s	remaining: 9.4s
7278:	learn: 26.8236949	total: 25.1s	remaining: 9.4s
7279:	learn: 26.8220499	total: 25.1s	remaining: 9.39s
7280:	learn: 26.8205488	total: 25.2s	remaining: 9.39s
7281:	learn: 26.8196605	total: 25.2s	remaining: 9.39s
7282:	learn: 26.8175168	total: 25.2s	remaining: 9.38s
7283:	learn: 26.8157831	total: 25.2s	remaining: 9.38s
7284:	learn: 26.8136732	total: 25.2s	remaining: 9.38s
7285:	learn: 26.8112221	total: 25.2s	remaining: 9.37s
7286:	learn: 26.8095893	total: 25.2s	remaining: 9.37s
7287:	learn: 26.8080738	total: 25.2s	remaining: 9.37s
7288:	learn: 26.8070845	total: 25.2s	remaining: 9.36s
7289:	learn: 26.8054603	total: 25.2s	remaining: 9.36s
7290:	learn: 26.8037400	total: 25.2s	remaining: 9.36s
7291:	learn: 26.8006561	total: 25.2s	remaining: 9.35s
7292:	learn: 26.7996270	total: 25.2s	remaining: 9.35s
7293:	learn: 26.7977903	total: 25.2s	remaining: 9.35s
7294:	learn: 26.7951294	total: 25.2s	remaining: 9.34s
7295:	learn: 26.7925429	total: 25.2s	remaining: 9.34s
7296:	learn: 26.7901755	total: 25.2s	remaining: 9.34s
7297:	learn: 26.7871009	total: 25.2s	remaining: 9.33s
7298:	learn: 26.7847750	total: 25.2s	remaining: 9.33s
7299:	learn: 26.7820200	total: 25.2s	remaining: 9.33s
7300:	learn: 26.7805738	total: 25.2s	remaining: 9.32s
7301:	learn: 26.7777251	total: 25.2s	remaining: 9.32s
7302:	learn: 26.7766643	total: 25.2s	remaining: 9.32s
7303:	learn: 26.7742987	total: 25.2s	remaining: 9.31s
7304:	learn: 26.7735198	total: 25.2s	remaining: 9.31s
7305:	learn: 26.7712634	total: 25.2s	remaining: 9.3s
7306:	learn: 26.7685033	total: 25.2s	remaining: 9.3s
7307:	learn: 26.7644196	total: 25.2s	remaining: 9.3s
7308:	learn: 26.7629660	total: 25.2s	remaining: 9.29s
7309:	learn: 26.7618951	total: 25.3s	remaining: 9.29s
7310:	learn: 26.7601291	total: 25.3s	remaining: 9.29s
7311:	learn: 26.7565843	total: 25.3s	remaining: 9.28s
7312:	learn: 26.7547722	total: 25.3s	remaining: 9.28s
7313:	learn: 26.7538274	total: 25.3s	remaining: 9.28s
7314:	learn: 26.7519602	total: 25.3s	remaining: 9.27s
7315:	learn: 26.7505044	total: 25.3s	remaining: 9.27s
7316:	learn: 26.7486745	total: 25.3s	remaining: 9.27s
7317:	learn: 26.7476148	total: 25.3s	remaining: 9.26s
7318:	learn: 26.7460154	total: 25.3s	remaining: 9.26s
7319:	learn: 26.7435210	total: 25.3s	remaining: 9.26s
7320:	learn: 26.7421682	total: 25.3s	remaining: 9.25s
7321:	learn: 26.7385924	total: 25.3s	remaining: 9.25s
7322:	learn: 26.7347277	total: 25.3s	remaining: 9.25s
7323:	learn: 26.7319631	total: 25.3s	remaining: 9.24s
7324:	learn: 26.7302339	total: 25.3s	remaining: 9.24s
7325:	learn: 26.7270288	total: 25.3s	remaining: 9.23s

7326:	learn: 26.7264041	total: 25.3s	remaining: 9.23s
7327:	learn: 26.7241858	total: 25.3s	remaining: 9.23s
7328:	learn: 26.7202265	total: 25.3s	remaining: 9.22s
7329:	learn: 26.7190133	total: 25.3s	remaining: 9.22s
7330:	learn: 26.7150226	total: 25.3s	remaining: 9.22s
7331:	learn: 26.7136783	total: 25.3s	remaining: 9.21s
7332:	learn: 26.7110567	total: 25.3s	remaining: 9.21s
7333:	learn: 26.7090298	total: 25.3s	remaining: 9.21s
7334:	learn: 26.7070236	total: 25.3s	remaining: 9.2s
7335:	learn: 26.7043819	total: 25.3s	remaining: 9.2s
7336:	learn: 26.7027201	total: 25.3s	remaining: 9.2s
7337:	learn: 26.6997048	total: 25.3s	remaining: 9.19s
7338:	learn: 26.6968347	total: 25.3s	remaining: 9.19s
7339:	learn: 26.6947975	total: 25.4s	remaining: 9.19s
7340:	learn: 26.6928911	total: 25.4s	remaining: 9.18s
7341:	learn: 26.6909886	total: 25.4s	remaining: 9.18s
7342:	learn: 26.6884205	total: 25.4s	remaining: 9.18s
7343:	learn: 26.6860354	total: 25.4s	remaining: 9.17s
7344:	learn: 26.6846400	total: 25.4s	remaining: 9.17s
7345:	learn: 26.6826986	total: 25.4s	remaining: 9.17s
7346:	learn: 26.6803285	total: 25.4s	remaining: 9.16s
7347:	learn: 26.6788469	total: 25.4s	remaining: 9.16s
7348:	learn: 26.6766699	total: 25.4s	remaining: 9.15s
7349:	learn: 26.6714457	total: 25.4s	remaining: 9.15s
7350:	learn: 26.6711516	total: 25.4s	remaining: 9.15s
7351:	learn: 26.6699860	total: 25.4s	remaining: 9.14s
7352:	learn: 26.6685234	total: 25.4s	remaining: 9.14s
7353:	learn: 26.6671885	total: 25.4s	remaining: 9.14s
7354:	learn: 26.6657183	total: 25.4s	remaining: 9.13s
7355:	learn: 26.6633339	total: 25.4s	remaining: 9.13s
7356:	learn: 26.6607331	total: 25.4s	remaining: 9.13s
7357:	learn: 26.6590971	total: 25.4s	remaining: 9.12s
7358:	learn: 26.6589749	total: 25.4s	remaining: 9.12s
7359:	learn: 26.6576427	total: 25.4s	remaining: 9.12s
7360:	learn: 26.6552770	total: 25.4s	remaining: 9.11s
7361:	learn: 26.6537789	total: 25.4s	remaining: 9.11s
7362:	learn: 26.6530824	total: 25.4s	remaining: 9.11s
7363:	learn: 26.6514427	total: 25.4s	remaining: 9.1s
7364:	learn: 26.6501948	total: 25.4s	remaining: 9.1s
7365:	learn: 26.6481603	total: 25.4s	remaining: 9.1s
7366:	learn: 26.6478623	total: 25.4s	remaining: 9.09s
7367:	learn: 26.6447118	total: 25.4s	remaining: 9.09s
7368:	learn: 26.6430401	total: 25.4s	remaining: 9.09s
7369:	learn: 26.6419380	total: 25.5s	remaining: 9.08s
7370:	learn: 26.6415299	total: 25.5s	remaining: 9.08s
7371:	learn: 26.6399704	total: 25.5s	remaining: 9.07s
7372:	learn: 26.6379779	total: 25.5s	remaining: 9.07s
7373:	learn: 26.6352542	total: 25.5s	remaining: 9.07s
7374:	learn: 26.6321900	total: 25.5s	remaining: 9.06s
7375:	learn: 26.6292173	total: 25.5s	remaining: 9.06s
7376:	learn: 26.6268921	total: 25.5s	remaining: 9.06s
7377:	learn: 26.6250120	total: 25.5s	remaining: 9.05s
7378:	learn: 26.6228030	total: 25.5s	remaining: 9.05s
7379:	learn: 26.6199061	total: 25.5s	remaining: 9.05s
7380:	learn: 26.6185105	total: 25.5s	remaining: 9.04s
7381:	learn: 26.6161311	total: 25.5s	remaining: 9.04s
7382:	learn: 26.6128696	total: 25.5s	remaining: 9.04s
7383:	learn: 26.6122337	total: 25.5s	remaining: 9.03s
7384:	learn: 26.6107132	total: 25.5s	remaining: 9.03s
7385:	learn: 26.6094539	total: 25.5s	remaining: 9.03s
7386:	learn: 26.6061304	total: 25.5s	remaining: 9.02s
7387:	learn: 26.6033525	total: 25.5s	remaining: 9.02s
7388:	learn: 26.6023614	total: 25.5s	remaining: 9.02s
7389:	learn: 26.5994846	total: 25.5s	remaining: 9.01s
7390:	learn: 26.5982112	total: 25.5s	remaining: 9.01s
7391:	learn: 26.5966926	total: 25.5s	remaining: 9.01s
7392:	learn: 26.5951784	total: 25.5s	remaining: 9s
7393:	learn: 26.5928112	total: 25.5s	remaining: 9s
7394:	learn: 26.5909743	total: 25.5s	remaining: 8.99s
7395:	learn: 26.5888605	total: 25.5s	remaining: 8.99s
7396:	learn: 26.5865494	total: 25.5s	remaining: 8.99s
7397:	learn: 26.5844026	total: 25.5s	remaining: 8.98s
7398:	learn: 26.5839985	total: 25.5s	remaining: 8.98s
7399:	learn: 26.5817313	total: 25.6s	remaining: 8.98s

7400:	learn: 26.5785778	total: 25.6s	remaining: 8.97s
7401:	learn: 26.5770723	total: 25.6s	remaining: 8.97s
7402:	learn: 26.5768595	total: 25.6s	remaining: 8.97s
7403:	learn: 26.5766607	total: 25.6s	remaining: 8.96s
7404:	learn: 26.5756522	total: 25.6s	remaining: 8.96s
7405:	learn: 26.5724494	total: 25.6s	remaining: 8.96s
7406:	learn: 26.5700659	total: 25.6s	remaining: 8.95s
7407:	learn: 26.5681731	total: 25.6s	remaining: 8.95s
7408:	learn: 26.5670882	total: 25.6s	remaining: 8.95s
7409:	learn: 26.5647903	total: 25.6s	remaining: 8.94s
7410:	learn: 26.5631746	total: 25.6s	remaining: 8.94s
7411:	learn: 26.5613484	total: 25.6s	remaining: 8.94s
7412:	learn: 26.5613348	total: 25.6s	remaining: 8.93s
7413:	learn: 26.5588019	total: 25.6s	remaining: 8.93s
7414:	learn: 26.5573174	total: 25.6s	remaining: 8.92s
7415:	learn: 26.5556335	total: 25.6s	remaining: 8.92s
7416:	learn: 26.5543153	total: 25.6s	remaining: 8.92s
7417:	learn: 26.5529233	total: 25.6s	remaining: 8.91s
7418:	learn: 26.5518289	total: 25.6s	remaining: 8.91s
7419:	learn: 26.5503440	total: 25.6s	remaining: 8.91s
7420:	learn: 26.5480754	total: 25.6s	remaining: 8.9s
7421:	learn: 26.5447317	total: 25.6s	remaining: 8.9s
7422:	learn: 26.5444852	total: 25.6s	remaining: 8.9s
7423:	learn: 26.5427918	total: 25.6s	remaining: 8.89s
7424:	learn: 26.5413769	total: 25.6s	remaining: 8.89s
7425:	learn: 26.5382633	total: 25.6s	remaining: 8.89s
7426:	learn: 26.5348579	total: 25.6s	remaining: 8.88s
7427:	learn: 26.5316258	total: 25.6s	remaining: 8.88s
7428:	learn: 26.5292377	total: 25.6s	remaining: 8.88s
7429:	learn: 26.5268576	total: 25.7s	remaining: 8.87s
7430:	learn: 26.5254409	total: 25.7s	remaining: 8.87s
7431:	learn: 26.5242917	total: 25.7s	remaining: 8.87s
7432:	learn: 26.5237790	total: 25.7s	remaining: 8.86s
7433:	learn: 26.5237621	total: 25.7s	remaining: 8.86s
7434:	learn: 26.5208168	total: 25.7s	remaining: 8.86s
7435:	learn: 26.5178981	total: 25.7s	remaining: 8.85s
7436:	learn: 26.5162313	total: 25.7s	remaining: 8.85s
7437:	learn: 26.5162151	total: 25.7s	remaining: 8.84s
7438:	learn: 26.5139766	total: 25.7s	remaining: 8.84s
7439:	learn: 26.5113328	total: 25.7s	remaining: 8.84s
7440:	learn: 26.5083389	total: 25.7s	remaining: 8.83s
7441:	learn: 26.5062968	total: 25.7s	remaining: 8.83s
7442:	learn: 26.5023378	total: 25.7s	remaining: 8.83s
7443:	learn: 26.4996676	total: 25.7s	remaining: 8.82s
7444:	learn: 26.4975452	total: 25.7s	remaining: 8.82s
7445:	learn: 26.4955825	total: 25.7s	remaining: 8.82s
7446:	learn: 26.4937361	total: 25.7s	remaining: 8.81s
7447:	learn: 26.4913529	total: 25.7s	remaining: 8.81s
7448:	learn: 26.4893058	total: 25.7s	remaining: 8.81s
7449:	learn: 26.4888903	total: 25.7s	remaining: 8.8s
7450:	learn: 26.4877625	total: 25.7s	remaining: 8.8s
7451:	learn: 26.4858672	total: 25.7s	remaining: 8.8s
7452:	learn: 26.4833475	total: 25.7s	remaining: 8.79s
7453:	learn: 26.4826822	total: 25.7s	remaining: 8.79s
7454:	learn: 26.4802318	total: 25.7s	remaining: 8.79s
7455:	learn: 26.4774973	total: 25.7s	remaining: 8.78s
7456:	learn: 26.4753770	total: 25.7s	remaining: 8.78s
7457:	learn: 26.4737233	total: 25.7s	remaining: 8.78s
7458:	learn: 26.4714227	total: 25.8s	remaining: 8.77s
7459:	learn: 26.4693291	total: 25.8s	remaining: 8.77s
7460:	learn: 26.4685558	total: 25.8s	remaining: 8.77s
7461:	learn: 26.4660626	total: 25.8s	remaining: 8.76s
7462:	learn: 26.4645015	total: 25.8s	remaining: 8.76s
7463:	learn: 26.4615902	total: 25.8s	remaining: 8.75s
7464:	learn: 26.4602301	total: 25.8s	remaining: 8.75s
7465:	learn: 26.4565621	total: 25.8s	remaining: 8.75s
7466:	learn: 26.4560659	total: 25.8s	remaining: 8.74s
7467:	learn: 26.4534191	total: 25.8s	remaining: 8.74s
7468:	learn: 26.4511213	total: 25.8s	remaining: 8.74s
7469:	learn: 26.4496545	total: 25.8s	remaining: 8.73s
7470:	learn: 26.4487143	total: 25.8s	remaining: 8.73s
7471:	learn: 26.4456367	total: 25.8s	remaining: 8.73s
7472:	learn: 26.4437362	total: 25.8s	remaining: 8.72s
7473:	learn: 26.4425937	total: 25.8s	remaining: 8.72s

7474:	learn: 26.4409694	total: 25.8s	remaining: 8.72s
7475:	learn: 26.4379629	total: 25.8s	remaining: 8.71s
7476:	learn: 26.4359101	total: 25.8s	remaining: 8.71s
7477:	learn: 26.4318364	total: 25.8s	remaining: 8.71s
7478:	learn: 26.4298202	total: 25.8s	remaining: 8.7s
7479:	learn: 26.4276983	total: 25.8s	remaining: 8.7s
7480:	learn: 26.4253011	total: 25.8s	remaining: 8.7s
7481:	learn: 26.4236463	total: 25.8s	remaining: 8.69s
7482:	learn: 26.4222218	total: 25.8s	remaining: 8.69s
7483:	learn: 26.4191426	total: 25.8s	remaining: 8.69s
7484:	learn: 26.4177935	total: 25.8s	remaining: 8.68s
7485:	learn: 26.4169256	total: 25.8s	remaining: 8.68s
7486:	learn: 26.4149019	total: 25.8s	remaining: 8.67s
7487:	learn: 26.4128149	total: 25.8s	remaining: 8.67s
7488:	learn: 26.4123645	total: 25.9s	remaining: 8.67s
7489:	learn: 26.4107569	total: 25.9s	remaining: 8.66s
7490:	learn: 26.4095820	total: 25.9s	remaining: 8.66s
7491:	learn: 26.4082588	total: 25.9s	remaining: 8.66s
7492:	learn: 26.4068866	total: 25.9s	remaining: 8.65s
7493:	learn: 26.4037573	total: 25.9s	remaining: 8.65s
7494:	learn: 26.4021209	total: 25.9s	remaining: 8.65s
7495:	learn: 26.4004304	total: 25.9s	remaining: 8.64s
7496:	learn: 26.3993667	total: 25.9s	remaining: 8.64s
7497:	learn: 26.3979839	total: 25.9s	remaining: 8.64s
7498:	learn: 26.3966570	total: 25.9s	remaining: 8.63s
7499:	learn: 26.3952344	total: 25.9s	remaining: 8.63s
7500:	learn: 26.3935777	total: 25.9s	remaining: 8.63s
7501:	learn: 26.3921921	total: 25.9s	remaining: 8.62s
7502:	learn: 26.3912343	total: 25.9s	remaining: 8.62s
7503:	learn: 26.3887939	total: 25.9s	remaining: 8.62s
7504:	learn: 26.3870040	total: 25.9s	remaining: 8.61s
7505:	learn: 26.3838714	total: 25.9s	remaining: 8.61s
7506:	learn: 26.3815853	total: 25.9s	remaining: 8.61s
7507:	learn: 26.3789010	total: 25.9s	remaining: 8.6s
7508:	learn: 26.3777316	total: 25.9s	remaining: 8.6s
7509:	learn: 26.3754149	total: 25.9s	remaining: 8.6s
7510:	learn: 26.3737345	total: 25.9s	remaining: 8.59s
7511:	learn: 26.3723696	total: 25.9s	remaining: 8.59s
7512:	learn: 26.3710402	total: 25.9s	remaining: 8.59s
7513:	learn: 26.3694953	total: 25.9s	remaining: 8.58s
7514:	learn: 26.3660499	total: 25.9s	remaining: 8.58s
7515:	learn: 26.3633441	total: 25.9s	remaining: 8.57s
7516:	learn: 26.3610927	total: 26s	remaining: 8.57s
7517:	learn: 26.3588833	total: 26s	remaining: 8.57s
7518:	learn: 26.3570615	total: 26s	remaining: 8.56s
7519:	learn: 26.3558646	total: 26s	remaining: 8.56s
7520:	learn: 26.3556994	total: 26s	remaining: 8.56s
7521:	learn: 26.3536613	total: 26s	remaining: 8.55s
7522:	learn: 26.3518979	total: 26s	remaining: 8.55s
7523:	learn: 26.3510893	total: 26s	remaining: 8.55s
7524:	learn: 26.3499297	total: 26s	remaining: 8.54s
7525:	learn: 26.3486943	total: 26s	remaining: 8.54s
7526:	learn: 26.3477053	total: 26s	remaining: 8.54s
7527:	learn: 26.3468438	total: 26s	remaining: 8.53s
7528:	learn: 26.3441101	total: 26s	remaining: 8.53s
7529:	learn: 26.3408689	total: 26s	remaining: 8.53s
7530:	learn: 26.3394618	total: 26s	remaining: 8.52s
7531:	learn: 26.3378970	total: 26s	remaining: 8.52s
7532:	learn: 26.3352341	total: 26s	remaining: 8.52s
7533:	learn: 26.3341953	total: 26s	remaining: 8.51s
7534:	learn: 26.3324399	total: 26s	remaining: 8.51s
7535:	learn: 26.3312575	total: 26s	remaining: 8.51s
7536:	learn: 26.3280519	total: 26s	remaining: 8.5s
7537:	learn: 26.3262223	total: 26s	remaining: 8.5s
7538:	learn: 26.3247804	total: 26s	remaining: 8.49s
7539:	learn: 26.3232692	total: 26s	remaining: 8.49s
7540:	learn: 26.3214650	total: 26s	remaining: 8.49s
7541:	learn: 26.3167712	total: 26s	remaining: 8.48s
7542:	learn: 26.3153977	total: 26s	remaining: 8.48s
7543:	learn: 26.3117341	total: 26s	remaining: 8.48s
7544:	learn: 26.3093392	total: 26s	remaining: 8.47s
7545:	learn: 26.3087264	total: 26s	remaining: 8.47s
7546:	learn: 26.3068068	total: 26.1s	remaining: 8.47s
7547:	learn: 26.3052422	total: 26.1s	remaining: 8.46s

7548:	learn: 26.3027256	total: 26.1s	remaining: 8.46s
7549:	learn: 26.3012408	total: 26.1s	remaining: 8.46s
7550:	learn: 26.2984375	total: 26.1s	remaining: 8.45s
7551:	learn: 26.2970808	total: 26.1s	remaining: 8.45s
7552:	learn: 26.2952737	total: 26.1s	remaining: 8.45s
7553:	learn: 26.2947444	total: 26.1s	remaining: 8.44s
7554:	learn: 26.2929355	total: 26.1s	remaining: 8.44s
7555:	learn: 26.2913453	total: 26.1s	remaining: 8.44s
7556:	learn: 26.2886298	total: 26.1s	remaining: 8.43s
7557:	learn: 26.2876665	total: 26.1s	remaining: 8.43s
7558:	learn: 26.2846540	total: 26.1s	remaining: 8.43s
7559:	learn: 26.2824272	total: 26.1s	remaining: 8.42s
7560:	learn: 26.2808889	total: 26.1s	remaining: 8.42s
7561:	learn: 26.2789587	total: 26.1s	remaining: 8.41s
7562:	learn: 26.2778581	total: 26.1s	remaining: 8.41s
7563:	learn: 26.2752596	total: 26.1s	remaining: 8.41s
7564:	learn: 26.2733349	total: 26.1s	remaining: 8.4s
7565:	learn: 26.2701866	total: 26.1s	remaining: 8.4s
7566:	learn: 26.2682046	total: 26.1s	remaining: 8.4s
7567:	learn: 26.2667583	total: 26.1s	remaining: 8.39s
7568:	learn: 26.2655771	total: 26.1s	remaining: 8.39s
7569:	learn: 26.2635368	total: 26.1s	remaining: 8.39s
7570:	learn: 26.2610055	total: 26.1s	remaining: 8.38s
7571:	learn: 26.2590013	total: 26.1s	remaining: 8.38s
7572:	learn: 26.2574016	total: 26.1s	remaining: 8.38s
7573:	learn: 26.2548140	total: 26.1s	remaining: 8.37s
7574:	learn: 26.2515816	total: 26.1s	remaining: 8.37s
7575:	learn: 26.2486509	total: 26.1s	remaining: 8.37s
7576:	learn: 26.2471244	total: 26.2s	remaining: 8.36s
7577:	learn: 26.2452891	total: 26.2s	remaining: 8.36s
7578:	learn: 26.2430726	total: 26.2s	remaining: 8.36s
7579:	learn: 26.2415129	total: 26.2s	remaining: 8.35s
7580:	learn: 26.2395690	total: 26.2s	remaining: 8.35s
7581:	learn: 26.2384787	total: 26.2s	remaining: 8.35s
7582:	learn: 26.2368711	total: 26.2s	remaining: 8.34s
7583:	learn: 26.2343649	total: 26.2s	remaining: 8.34s
7584:	learn: 26.2312471	total: 26.2s	remaining: 8.34s
7585:	learn: 26.2295576	total: 26.2s	remaining: 8.33s
7586:	learn: 26.2274152	total: 26.2s	remaining: 8.33s
7587:	learn: 26.2246307	total: 26.2s	remaining: 8.32s
7588:	learn: 26.2233548	total: 26.2s	remaining: 8.32s
7589:	learn: 26.2216204	total: 26.2s	remaining: 8.32s
7590:	learn: 26.2200361	total: 26.2s	remaining: 8.31s
7591:	learn: 26.2187537	total: 26.2s	remaining: 8.31s
7592:	learn: 26.2170620	total: 26.2s	remaining: 8.31s
7593:	learn: 26.2146694	total: 26.2s	remaining: 8.3s
7594:	learn: 26.2124149	total: 26.2s	remaining: 8.3s
7595:	learn: 26.2107370	total: 26.2s	remaining: 8.3s
7596:	learn: 26.2091042	total: 26.2s	remaining: 8.29s
7597:	learn: 26.2086874	total: 26.2s	remaining: 8.29s
7598:	learn: 26.2067876	total: 26.2s	remaining: 8.29s
7599:	learn: 26.2040342	total: 26.2s	remaining: 8.28s
7600:	learn: 26.1995089	total: 26.2s	remaining: 8.28s
7601:	learn: 26.1989252	total: 26.2s	remaining: 8.28s
7602:	learn: 26.1952684	total: 26.2s	remaining: 8.27s
7603:	learn: 26.1936477	total: 26.2s	remaining: 8.27s
7604:	learn: 26.1926864	total: 26.2s	remaining: 8.27s
7605:	learn: 26.1901251	total: 26.3s	remaining: 8.26s
7606:	learn: 26.1883661	total: 26.3s	remaining: 8.26s
7607:	learn: 26.1856770	total: 26.3s	remaining: 8.26s
7608:	learn: 26.1835171	total: 26.3s	remaining: 8.25s
7609:	learn: 26.1814993	total: 26.3s	remaining: 8.25s
7610:	learn: 26.1798328	total: 26.3s	remaining: 8.24s
7611:	learn: 26.1777618	total: 26.3s	remaining: 8.24s
7612:	learn: 26.1771517	total: 26.3s	remaining: 8.24s
7613:	learn: 26.1749526	total: 26.3s	remaining: 8.23s
7614:	learn: 26.1738023	total: 26.3s	remaining: 8.23s
7615:	learn: 26.1710123	total: 26.3s	remaining: 8.23s
7616:	learn: 26.1698185	total: 26.3s	remaining: 8.22s
7617:	learn: 26.1669825	total: 26.3s	remaining: 8.22s
7618:	learn: 26.1657307	total: 26.3s	remaining: 8.22s
7619:	learn: 26.1649729	total: 26.3s	remaining: 8.21s
7620:	learn: 26.1625692	total: 26.3s	remaining: 8.21s
7621:	learn: 26.1597557	total: 26.3s	remaining: 8.21s

7622:	learn: 26.1576125	total: 26.3s	remaining: 8.2s
7623:	learn: 26.1528671	total: 26.3s	remaining: 8.2s
7624:	learn: 26.1507535	total: 26.3s	remaining: 8.2s
7625:	learn: 26.1477848	total: 26.3s	remaining: 8.19s
7626:	learn: 26.1476170	total: 26.3s	remaining: 8.19s
7627:	learn: 26.1463953	total: 26.3s	remaining: 8.19s
7628:	learn: 26.1444900	total: 26.3s	remaining: 8.18s
7629:	learn: 26.1411101	total: 26.3s	remaining: 8.18s
7630:	learn: 26.1402335	total: 26.3s	remaining: 8.18s
7631:	learn: 26.1378178	total: 26.3s	remaining: 8.17s
7632:	learn: 26.1363105	total: 26.3s	remaining: 8.17s
7633:	learn: 26.1337463	total: 26.3s	remaining: 8.16s
7634:	learn: 26.1331402	total: 26.3s	remaining: 8.16s
7635:	learn: 26.1308164	total: 26.4s	remaining: 8.16s
7636:	learn: 26.1278499	total: 26.4s	remaining: 8.15s
7637:	learn: 26.1247654	total: 26.4s	remaining: 8.15s
7638:	learn: 26.1241069	total: 26.4s	remaining: 8.15s
7639:	learn: 26.1218708	total: 26.4s	remaining: 8.14s
7640:	learn: 26.1193875	total: 26.4s	remaining: 8.14s
7641:	learn: 26.1152706	total: 26.4s	remaining: 8.14s
7642:	learn: 26.1148749	total: 26.4s	remaining: 8.13s
7643:	learn: 26.1123085	total: 26.4s	remaining: 8.13s
7644:	learn: 26.1111551	total: 26.4s	remaining: 8.13s
7645:	learn: 26.1083154	total: 26.4s	remaining: 8.12s
7646:	learn: 26.1071083	total: 26.4s	remaining: 8.12s
7647:	learn: 26.1044790	total: 26.4s	remaining: 8.12s
7648:	learn: 26.1022136	total: 26.4s	remaining: 8.11s
7649:	learn: 26.1005897	total: 26.4s	remaining: 8.11s
7650:	learn: 26.0996131	total: 26.4s	remaining: 8.11s
7651:	learn: 26.0978593	total: 26.4s	remaining: 8.1s
7652:	learn: 26.0962877	total: 26.4s	remaining: 8.1s
7653:	learn: 26.0951943	total: 26.4s	remaining: 8.1s
7654:	learn: 26.0934252	total: 26.4s	remaining: 8.09s
7655:	learn: 26.0919248	total: 26.4s	remaining: 8.09s
7656:	learn: 26.0906788	total: 26.4s	remaining: 8.09s
7657:	learn: 26.0894767	total: 26.4s	remaining: 8.08s
7658:	learn: 26.0880045	total: 26.4s	remaining: 8.08s
7659:	learn: 26.0849864	total: 26.4s	remaining: 8.07s
7660:	learn: 26.0833781	total: 26.4s	remaining: 8.07s
7661:	learn: 26.0812647	total: 26.4s	remaining: 8.07s
7662:	learn: 26.0807392	total: 26.4s	remaining: 8.06s
7663:	learn: 26.0791495	total: 26.4s	remaining: 8.06s
7664:	learn: 26.0775738	total: 26.4s	remaining: 8.06s
7665:	learn: 26.0760513	total: 26.5s	remaining: 8.05s
7666:	learn: 26.0746455	total: 26.5s	remaining: 8.05s
7667:	learn: 26.0712199	total: 26.5s	remaining: 8.05s
7668:	learn: 26.0686131	total: 26.5s	remaining: 8.04s
7669:	learn: 26.0679630	total: 26.5s	remaining: 8.04s
7670:	learn: 26.0661511	total: 26.5s	remaining: 8.04s
7671:	learn: 26.0647937	total: 26.5s	remaining: 8.03s
7672:	learn: 26.0643741	total: 26.5s	remaining: 8.03s
7673:	learn: 26.0629241	total: 26.5s	remaining: 8.03s
7674:	learn: 26.0611136	total: 26.5s	remaining: 8.02s
7675:	learn: 26.0601342	total: 26.5s	remaining: 8.02s
7676:	learn: 26.0594586	total: 26.5s	remaining: 8.02s
7677:	learn: 26.0574594	total: 26.5s	remaining: 8.01s
7678:	learn: 26.0566241	total: 26.5s	remaining: 8.01s
7679:	learn: 26.0556440	total: 26.5s	remaining: 8s
7680:	learn: 26.0545428	total: 26.5s	remaining: 8s
7681:	learn: 26.0535973	total: 26.5s	remaining: 8s
7682:	learn: 26.0528044	total: 26.5s	remaining: 7.99s
7683:	learn: 26.0492949	total: 26.5s	remaining: 7.99s
7684:	learn: 26.0466579	total: 26.5s	remaining: 7.99s
7685:	learn: 26.0449277	total: 26.5s	remaining: 7.98s
7686:	learn: 26.0449088	total: 26.5s	remaining: 7.98s
7687:	learn: 26.0423630	total: 26.5s	remaining: 7.98s
7688:	learn: 26.0397715	total: 26.5s	remaining: 7.97s
7689:	learn: 26.0387831	total: 26.5s	remaining: 7.97s
7690:	learn: 26.0355073	total: 26.5s	remaining: 7.97s
7691:	learn: 26.0336742	total: 26.5s	remaining: 7.96s
7692:	learn: 26.0312604	total: 26.5s	remaining: 7.96s
7693:	learn: 26.0282876	total: 26.5s	remaining: 7.96s
7694:	learn: 26.0239228	total: 26.5s	remaining: 7.95s
7695:	learn: 26.0215433	total: 26.6s	remaining: 7.95s

7696: learn: 26.0165600 total: 26.6s remaining: 7.95s
7697: learn: 26.0142817 total: 26.6s remaining: 7.94s
7698: learn: 26.0123644 total: 26.6s remaining: 7.94s
7699: learn: 26.0092851 total: 26.6s remaining: 7.93s
7700: learn: 26.0061375 total: 26.6s remaining: 7.93s
7701: learn: 26.0051899 total: 26.6s remaining: 7.93s
7702: learn: 26.0037246 total: 26.6s remaining: 7.92s
7703: learn: 26.0022411 total: 26.6s remaining: 7.92s
7704: learn: 26.0010629 total: 26.6s remaining: 7.92s
7705: learn: 25.9985818 total: 26.6s remaining: 7.91s
7706: learn: 25.9977515 total: 26.6s remaining: 7.91s
7707: learn: 25.9951052 total: 26.6s remaining: 7.91s
7708: learn: 25.9926178 total: 26.6s remaining: 7.9s
7709: learn: 25.9916585 total: 26.6s remaining: 7.9s
7710: learn: 25.9895293 total: 26.6s remaining: 7.9s
7711: learn: 25.9873568 total: 26.6s remaining: 7.89s
7712: learn: 25.9841810 total: 26.6s remaining: 7.89s
7713: learn: 25.9816838 total: 26.6s remaining: 7.89s
7714: learn: 25.9793809 total: 26.6s remaining: 7.88s
7715: learn: 25.9778273 total: 26.6s remaining: 7.88s
7716: learn: 25.9757567 total: 26.6s remaining: 7.88s
7717: learn: 25.9736589 total: 26.6s remaining: 7.87s
7718: learn: 25.9711792 total: 26.6s remaining: 7.87s
7719: learn: 25.9701039 total: 26.6s remaining: 7.87s
7720: learn: 25.9681062 total: 26.6s remaining: 7.86s
7721: learn: 25.9656146 total: 26.6s remaining: 7.86s
7722: learn: 25.9647729 total: 26.6s remaining: 7.86s
7723: learn: 25.9636152 total: 26.6s remaining: 7.85s
7724: learn: 25.9616984 total: 26.6s remaining: 7.85s
7725: learn: 25.9602939 total: 26.7s remaining: 7.84s
7726: learn: 25.9596640 total: 26.7s remaining: 7.84s
7727: learn: 25.9567334 total: 26.7s remaining: 7.84s
7728: learn: 25.9539037 total: 26.7s remaining: 7.83s
7729: learn: 25.9509320 total: 26.7s remaining: 7.83s
7730: learn: 25.9498626 total: 26.7s remaining: 7.83s
7731: learn: 25.9476618 total: 26.7s remaining: 7.82s
7732: learn: 25.9457147 total: 26.7s remaining: 7.82s
7733: learn: 25.9432109 total: 26.7s remaining: 7.82s
7734: learn: 25.9411721 total: 26.7s remaining: 7.81s
7735: learn: 25.9396107 total: 26.7s remaining: 7.81s
7736: learn: 25.9374108 total: 26.7s remaining: 7.81s
7737: learn: 25.9361556 total: 26.7s remaining: 7.8s
7738: learn: 25.9325884 total: 26.7s remaining: 7.8s
7739: learn: 25.9315526 total: 26.7s remaining: 7.8s
7740: learn: 25.9301317 total: 26.7s remaining: 7.79s
7741: learn: 25.9291957 total: 26.7s remaining: 7.79s
7742: learn: 25.9284145 total: 26.7s remaining: 7.79s
7743: learn: 25.9273297 total: 26.7s remaining: 7.78s
7744: learn: 25.9261152 total: 26.7s remaining: 7.78s
7745: learn: 25.9246131 total: 26.7s remaining: 7.78s
7746: learn: 25.9218452 total: 26.7s remaining: 7.77s
7747: learn: 25.9193071 total: 26.7s remaining: 7.77s
7748: learn: 25.9182358 total: 26.7s remaining: 7.76s
7749: learn: 25.9132504 total: 26.7s remaining: 7.76s
7750: learn: 25.9110787 total: 26.7s remaining: 7.76s
7751: learn: 25.9095767 total: 26.7s remaining: 7.75s
7752: learn: 25.9079811 total: 26.7s remaining: 7.75s
7753: learn: 25.9075897 total: 26.7s remaining: 7.75s
7754: learn: 25.9070477 total: 26.8s remaining: 7.74s
7755: learn: 25.9050147 total: 26.8s remaining: 7.74s
7756: learn: 25.9032638 total: 26.8s remaining: 7.74s
7757: learn: 25.9027841 total: 26.8s remaining: 7.73s
7758: learn: 25.9021970 total: 26.8s remaining: 7.73s
7759: learn: 25.8989531 total: 26.8s remaining: 7.73s
7760: learn: 25.8986774 total: 26.8s remaining: 7.72s
7761: learn: 25.8972396 total: 26.8s remaining: 7.72s
7762: learn: 25.8951882 total: 26.8s remaining: 7.72s
7763: learn: 25.8924156 total: 26.8s remaining: 7.71s
7764: learn: 25.8879872 total: 26.8s remaining: 7.71s
7765: learn: 25.8845021 total: 26.8s remaining: 7.71s
7766: learn: 25.8815023 total: 26.8s remaining: 7.7s
7767: learn: 25.8807769 total: 26.8s remaining: 7.7s
7768: learn: 25.8788525 total: 26.8s remaining: 7.7s
7769: learn: 25.8749850 total: 26.8s remaining: 7.69s

7770:	learn: 25.8721924	total: 26.8s	remaining: 7.69s
7771:	learn: 25.8708794	total: 26.8s	remaining: 7.68s
7772:	learn: 25.8678703	total: 26.8s	remaining: 7.68s
7773:	learn: 25.8648058	total: 26.8s	remaining: 7.68s
7774:	learn: 25.8632497	total: 26.8s	remaining: 7.67s
7775:	learn: 25.8612032	total: 26.8s	remaining: 7.67s
7776:	learn: 25.8600715	total: 26.8s	remaining: 7.67s
7777:	learn: 25.8579162	total: 26.8s	remaining: 7.66s
7778:	learn: 25.8568327	total: 26.8s	remaining: 7.66s
7779:	learn: 25.8549910	total: 26.8s	remaining: 7.66s
7780:	learn: 25.8540040	total: 26.8s	remaining: 7.65s
7781:	learn: 25.8523935	total: 26.8s	remaining: 7.65s
7782:	learn: 25.8496126	total: 26.8s	remaining: 7.65s
7783:	learn: 25.8482452	total: 26.8s	remaining: 7.64s
7784:	learn: 25.8474611	total: 26.9s	remaining: 7.64s
7785:	learn: 25.8447770	total: 26.9s	remaining: 7.64s
7786:	learn: 25.8437622	total: 26.9s	remaining: 7.63s
7787:	learn: 25.8414590	total: 26.9s	remaining: 7.63s
7788:	learn: 25.8383901	total: 26.9s	remaining: 7.63s
7789:	learn: 25.8360162	total: 26.9s	remaining: 7.62s
7790:	learn: 25.8340919	total: 26.9s	remaining: 7.62s
7791:	learn: 25.8300629	total: 26.9s	remaining: 7.62s
7792:	learn: 25.8279175	total: 26.9s	remaining: 7.61s
7793:	learn: 25.8260688	total: 26.9s	remaining: 7.61s
7794:	learn: 25.8238624	total: 26.9s	remaining: 7.61s
7795:	learn: 25.8223334	total: 26.9s	remaining: 7.6s
7796:	learn: 25.8200452	total: 26.9s	remaining: 7.6s
7797:	learn: 25.8179934	total: 26.9s	remaining: 7.59s
7798:	learn: 25.8162240	total: 26.9s	remaining: 7.59s
7799:	learn: 25.8137442	total: 26.9s	remaining: 7.59s
7800:	learn: 25.8106018	total: 26.9s	remaining: 7.58s
7801:	learn: 25.8093146	total: 26.9s	remaining: 7.58s
7802:	learn: 25.8087324	total: 26.9s	remaining: 7.58s
7803:	learn: 25.8075945	total: 26.9s	remaining: 7.57s
7804:	learn: 25.8051509	total: 26.9s	remaining: 7.57s
7805:	learn: 25.8028869	total: 26.9s	remaining: 7.57s
7806:	learn: 25.8011702	total: 26.9s	remaining: 7.56s
7807:	learn: 25.7966562	total: 26.9s	remaining: 7.56s
7808:	learn: 25.7932082	total: 26.9s	remaining: 7.56s
7809:	learn: 25.7913410	total: 26.9s	remaining: 7.55s
7810:	learn: 25.7906518	total: 26.9s	remaining: 7.55s
7811:	learn: 25.7879916	total: 26.9s	remaining: 7.54s
7812:	learn: 25.7871732	total: 26.9s	remaining: 7.54s
7813:	learn: 25.7855681	total: 26.9s	remaining: 7.54s
7814:	learn: 25.7832396	total: 27s	remaining: 7.54s
7815:	learn: 25.7818543	total: 27s	remaining: 7.53s
7816:	learn: 25.7802380	total: 27s	remaining: 7.53s
7817:	learn: 25.7792084	total: 27s	remaining: 7.53s
7818:	learn: 25.7768718	total: 27s	remaining: 7.52s
7819:	learn: 25.7750526	total: 27s	remaining: 7.52s
7820:	learn: 25.7739826	total: 27s	remaining: 7.51s
7821:	learn: 25.7722880	total: 27s	remaining: 7.51s
7822:	learn: 25.7698603	total: 27s	remaining: 7.51s
7823:	learn: 25.7694983	total: 27s	remaining: 7.5s
7824:	learn: 25.7670090	total: 27s	remaining: 7.5s
7825:	learn: 25.7624174	total: 27s	remaining: 7.5s
7826:	learn: 25.7583749	total: 27s	remaining: 7.49s
7827:	learn: 25.7560059	total: 27s	remaining: 7.49s
7828:	learn: 25.7547781	total: 27s	remaining: 7.49s
7829:	learn: 25.7540628	total: 27s	remaining: 7.48s
7830:	learn: 25.7518096	total: 27s	remaining: 7.48s
7831:	learn: 25.7497708	total: 27s	remaining: 7.48s
7832:	learn: 25.7485159	total: 27s	remaining: 7.47s
7833:	learn: 25.7473960	total: 27s	remaining: 7.47s
7834:	learn: 25.7460708	total: 27s	remaining: 7.47s
7835:	learn: 25.7452737	total: 27s	remaining: 7.46s
7836:	learn: 25.7437978	total: 27s	remaining: 7.46s
7837:	learn: 25.7415916	total: 27s	remaining: 7.46s
7838:	learn: 25.7397034	total: 27s	remaining: 7.45s
7839:	learn: 25.7374765	total: 27s	remaining: 7.45s
7840:	learn: 25.7350135	total: 27s	remaining: 7.45s
7841:	learn: 25.7336616	total: 27s	remaining: 7.44s
7842:	learn: 25.7324772	total: 27s	remaining: 7.44s
7843:	learn: 25.7318708	total: 27s	remaining: 7.43s

7844:	learn: 25.7287896	total: 27.1s	remaining: 7.43s
7845:	learn: 25.7239261	total: 27.1s	remaining: 7.43s
7846:	learn: 25.7236701	total: 27.1s	remaining: 7.42s
7847:	learn: 25.7214114	total: 27.1s	remaining: 7.42s
7848:	learn: 25.7196816	total: 27.1s	remaining: 7.42s
7849:	learn: 25.7176852	total: 27.1s	remaining: 7.41s
7850:	learn: 25.7137811	total: 27.1s	remaining: 7.41s
7851:	learn: 25.7114362	total: 27.1s	remaining: 7.41s
7852:	learn: 25.7108121	total: 27.1s	remaining: 7.4s
7853:	learn: 25.7082011	total: 27.1s	remaining: 7.4s
7854:	learn: 25.7076060	total: 27.1s	remaining: 7.4s
7855:	learn: 25.7061107	total: 27.1s	remaining: 7.39s
7856:	learn: 25.7055000	total: 27.1s	remaining: 7.39s
7857:	learn: 25.7040041	total: 27.1s	remaining: 7.39s
7858:	learn: 25.7017580	total: 27.1s	remaining: 7.38s
7859:	learn: 25.7017449	total: 27.1s	remaining: 7.38s
7860:	learn: 25.6999020	total: 27.1s	remaining: 7.38s
7861:	learn: 25.6991338	total: 27.1s	remaining: 7.37s
7862:	learn: 25.6977171	total: 27.1s	remaining: 7.37s
7863:	learn: 25.6973715	total: 27.1s	remaining: 7.37s
7864:	learn: 25.6952791	total: 27.1s	remaining: 7.36s
7865:	learn: 25.6929606	total: 27.1s	remaining: 7.36s
7866:	learn: 25.6906967	total: 27.1s	remaining: 7.35s
7867:	learn: 25.6894510	total: 27.1s	remaining: 7.35s
7868:	learn: 25.6867324	total: 27.1s	remaining: 7.35s
7869:	learn: 25.6853058	total: 27.1s	remaining: 7.34s
7870:	learn: 25.6835763	total: 27.1s	remaining: 7.34s
7871:	learn: 25.6823326	total: 27.1s	remaining: 7.34s
7872:	learn: 25.6797032	total: 27.1s	remaining: 7.33s
7873:	learn: 25.6775337	total: 27.1s	remaining: 7.33s
7874:	learn: 25.6760935	total: 27.2s	remaining: 7.33s
7875:	learn: 25.6723228	total: 27.2s	remaining: 7.32s
7876:	learn: 25.6712417	total: 27.2s	remaining: 7.32s
7877:	learn: 25.6684177	total: 27.2s	remaining: 7.32s
7878:	learn: 25.6666939	total: 27.2s	remaining: 7.31s
7879:	learn: 25.6633541	total: 27.2s	remaining: 7.31s
7880:	learn: 25.6609484	total: 27.2s	remaining: 7.31s
7881:	learn: 25.6595377	total: 27.2s	remaining: 7.3s
7882:	learn: 25.6587724	total: 27.2s	remaining: 7.3s
7883:	learn: 25.6561828	total: 27.2s	remaining: 7.29s
7884:	learn: 25.6550865	total: 27.2s	remaining: 7.29s
7885:	learn: 25.6524994	total: 27.2s	remaining: 7.29s
7886:	learn: 25.6504912	total: 27.2s	remaining: 7.29s
7887:	learn: 25.6492711	total: 27.2s	remaining: 7.28s
7888:	learn: 25.6479288	total: 27.2s	remaining: 7.28s
7889:	learn: 25.6457561	total: 27.2s	remaining: 7.28s
7890:	learn: 25.6429693	total: 27.2s	remaining: 7.27s
7891:	learn: 25.6410971	total: 27.2s	remaining: 7.27s
7892:	learn: 25.6389564	total: 27.2s	remaining: 7.26s
7893:	learn: 25.6360456	total: 27.2s	remaining: 7.26s
7894:	learn: 25.6349339	total: 27.2s	remaining: 7.26s
7895:	learn: 25.6343316	total: 27.2s	remaining: 7.25s
7896:	learn: 25.6336122	total: 27.2s	remaining: 7.25s
7897:	learn: 25.6321864	total: 27.2s	remaining: 7.25s
7898:	learn: 25.6312959	total: 27.2s	remaining: 7.24s
7899:	learn: 25.6307112	total: 27.2s	remaining: 7.24s
7900:	learn: 25.6280954	total: 27.2s	remaining: 7.24s
7901:	learn: 25.6272890	total: 27.2s	remaining: 7.23s
7902:	learn: 25.6260677	total: 27.2s	remaining: 7.23s
7903:	learn: 25.6249509	total: 27.3s	remaining: 7.23s
7904:	learn: 25.6245902	total: 27.3s	remaining: 7.22s
7905:	learn: 25.6238811	total: 27.3s	remaining: 7.22s
7906:	learn: 25.6228596	total: 27.3s	remaining: 7.21s
7907:	learn: 25.6213120	total: 27.3s	remaining: 7.21s
7908:	learn: 25.6201532	total: 27.3s	remaining: 7.21s
7909:	learn: 25.6176600	total: 27.3s	remaining: 7.21s
7910:	learn: 25.6164492	total: 27.3s	remaining: 7.2s
7911:	learn: 25.6162688	total: 27.3s	remaining: 7.2s
7912:	learn: 25.6128064	total: 27.3s	remaining: 7.19s
7913:	learn: 25.6121461	total: 27.3s	remaining: 7.19s
7914:	learn: 25.6104202	total: 27.3s	remaining: 7.19s
7915:	learn: 25.6087464	total: 27.3s	remaining: 7.18s
7916:	learn: 25.6077614	total: 27.3s	remaining: 7.18s
7917:	learn: 25.6050228	total: 27.3s	remaining: 7.18s

7918: learn: 25.6033166 total: 27.3s remaining: 7.17s
7919: learn: 25.6011847 total: 27.3s remaining: 7.17s
7920: learn: 25.5999193 total: 27.3s remaining: 7.17s
7921: learn: 25.5981413 total: 27.3s remaining: 7.16s
7922: learn: 25.5961428 total: 27.3s remaining: 7.16s
7923: learn: 25.5930757 total: 27.3s remaining: 7.16s
7924: learn: 25.5906311 total: 27.3s remaining: 7.15s
7925: learn: 25.5890942 total: 27.3s remaining: 7.15s
7926: learn: 25.5880518 total: 27.3s remaining: 7.15s
7927: learn: 25.5873110 total: 27.3s remaining: 7.14s
7928: learn: 25.5849183 total: 27.3s remaining: 7.14s
7929: learn: 25.5832713 total: 27.3s remaining: 7.14s
7930: learn: 25.5817141 total: 27.3s remaining: 7.13s
7931: learn: 25.5816578 total: 27.3s remaining: 7.13s
7932: learn: 25.5791056 total: 27.4s remaining: 7.13s
7933: learn: 25.5761656 total: 27.4s remaining: 7.12s
7934: learn: 25.5745570 total: 27.4s remaining: 7.12s
7935: learn: 25.5733498 total: 27.4s remaining: 7.12s
7936: learn: 25.5712452 total: 27.4s remaining: 7.11s
7937: learn: 25.5696716 total: 27.4s remaining: 7.11s
7938: learn: 25.5676462 total: 27.4s remaining: 7.11s
7939: learn: 25.5663513 total: 27.4s remaining: 7.1s
7940: learn: 25.5640605 total: 27.4s remaining: 7.1s
7941: learn: 25.5625350 total: 27.4s remaining: 7.09s
7942: learn: 25.5612734 total: 27.4s remaining: 7.09s
7943: learn: 25.5587124 total: 27.4s remaining: 7.09s
7944: learn: 25.5576931 total: 27.4s remaining: 7.08s
7945: learn: 25.5566302 total: 27.4s remaining: 7.08s
7946: learn: 25.5545077 total: 27.4s remaining: 7.08s
7947: learn: 25.5510035 total: 27.4s remaining: 7.07s
7948: learn: 25.5483537 total: 27.4s remaining: 7.07s
7949: learn: 25.5457922 total: 27.4s remaining: 7.07s
7950: learn: 25.5445700 total: 27.4s remaining: 7.06s
7951: learn: 25.5422725 total: 27.4s remaining: 7.06s
7952: learn: 25.5397170 total: 27.4s remaining: 7.06s
7953: learn: 25.5384719 total: 27.4s remaining: 7.05s
7954: learn: 25.5371534 total: 27.4s remaining: 7.05s
7955: learn: 25.5353862 total: 27.4s remaining: 7.05s
7956: learn: 25.5332276 total: 27.4s remaining: 7.04s
7957: learn: 25.5298176 total: 27.4s remaining: 7.04s
7958: learn: 25.5277378 total: 27.4s remaining: 7.04s
7959: learn: 25.5253350 total: 27.4s remaining: 7.03s
7960: learn: 25.5232705 total: 27.4s remaining: 7.03s
7961: learn: 25.5222443 total: 27.4s remaining: 7.03s
7962: learn: 25.5197021 total: 27.5s remaining: 7.02s
7963: learn: 25.5183839 total: 27.5s remaining: 7.02s
7964: learn: 25.5169620 total: 27.5s remaining: 7.01s
7965: learn: 25.5157921 total: 27.5s remaining: 7.01s
7966: learn: 25.5131942 total: 27.5s remaining: 7.01s
7967: learn: 25.5107576 total: 27.5s remaining: 7s
7968: learn: 25.5088515 total: 27.5s remaining: 7s
7969: learn: 25.5079634 total: 27.5s remaining: 7s
7970: learn: 25.5054516 total: 27.5s remaining: 6.99s
7971: learn: 25.5041845 total: 27.5s remaining: 6.99s
7972: learn: 25.5031828 total: 27.5s remaining: 6.99s
7973: learn: 25.5009547 total: 27.5s remaining: 6.98s
7974: learn: 25.4982860 total: 27.5s remaining: 6.98s
7975: learn: 25.4959990 total: 27.5s remaining: 6.98s
7976: learn: 25.4945044 total: 27.5s remaining: 6.97s
7977: learn: 25.4936305 total: 27.5s remaining: 6.97s
7978: learn: 25.4913587 total: 27.5s remaining: 6.97s
7979: learn: 25.4896283 total: 27.5s remaining: 6.96s
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7981: learn: 25.4865776 total: 27.5s remaining: 6.96s
7982: learn: 25.4846359 total: 27.5s remaining: 6.95s
7983: learn: 25.4827737 total: 27.5s remaining: 6.95s
7984: learn: 25.4807159 total: 27.5s remaining: 6.95s
7985: learn: 25.4793746 total: 27.5s remaining: 6.94s
7986: learn: 25.4765340 total: 27.5s remaining: 6.94s
7987: learn: 25.4746352 total: 27.5s remaining: 6.93s
7988: learn: 25.4727197 total: 27.5s remaining: 6.93s
7989: learn: 25.4695130 total: 27.5s remaining: 6.93s
7990: learn: 25.4654739 total: 27.5s remaining: 6.92s
7991: learn: 25.4638077 total: 27.6s remaining: 6.92s

7992: learn: 25.4630635 total: 27.6s remaining: 6.92s
7993: learn: 25.4608420 total: 27.6s remaining: 6.92s
7994: learn: 25.4563845 total: 27.6s remaining: 6.91s
7995: learn: 25.4540464 total: 27.6s remaining: 6.91s
7996: learn: 25.4526493 total: 27.6s remaining: 6.9s
7997: learn: 25.4512633 total: 27.6s remaining: 6.9s
7998: learn: 25.4490268 total: 27.6s remaining: 6.9s
7999: learn: 25.4468036 total: 27.6s remaining: 6.89s
8000: learn: 25.4451562 total: 27.6s remaining: 6.89s
8001: learn: 25.4435028 total: 27.6s remaining: 6.89s
8002: learn: 25.4400741 total: 27.6s remaining: 6.88s
8003: learn: 25.4378672 total: 27.6s remaining: 6.88s
8004: learn: 25.4359192 total: 27.6s remaining: 6.88s
8005: learn: 25.4336817 total: 27.6s remaining: 6.87s
8006: learn: 25.4323983 total: 27.6s remaining: 6.87s
8007: learn: 25.4299051 total: 27.6s remaining: 6.87s
8008: learn: 25.4279015 total: 27.6s remaining: 6.86s
8009: learn: 25.4262327 total: 27.6s remaining: 6.86s
8010: learn: 25.4236642 total: 27.6s remaining: 6.86s
8011: learn: 25.4221656 total: 27.6s remaining: 6.85s
8012: learn: 25.4191998 total: 27.6s remaining: 6.85s
8013: learn: 25.4175285 total: 27.6s remaining: 6.84s
8014: learn: 25.4145016 total: 27.6s remaining: 6.84s
8015: learn: 25.4112399 total: 27.6s remaining: 6.84s
8016: learn: 25.4104804 total: 27.6s remaining: 6.83s
8017: learn: 25.4095067 total: 27.6s remaining: 6.83s
8018: learn: 25.4085174 total: 27.6s remaining: 6.83s
8019: learn: 25.4060821 total: 27.6s remaining: 6.83s
8020: learn: 25.4047147 total: 27.6s remaining: 6.82s
8021: learn: 25.4028539 total: 27.7s remaining: 6.82s
8022: learn: 25.4009521 total: 27.7s remaining: 6.81s
8023: learn: 25.3997697 total: 27.7s remaining: 6.81s
8024: learn: 25.3971484 total: 27.7s remaining: 6.81s
8025: learn: 25.3948187 total: 27.7s remaining: 6.8s
8026: learn: 25.3936636 total: 27.7s remaining: 6.8s
8027: learn: 25.3916909 total: 27.7s remaining: 6.8s
8028: learn: 25.3910022 total: 27.7s remaining: 6.79s
8029: learn: 25.3891340 total: 27.7s remaining: 6.79s
8030: learn: 25.3876017 total: 27.7s remaining: 6.79s
8031: learn: 25.3846785 total: 27.7s remaining: 6.78s
8032: learn: 25.3828564 total: 27.7s remaining: 6.78s
8033: learn: 25.3818921 total: 27.7s remaining: 6.78s
8034: learn: 25.3801523 total: 27.7s remaining: 6.77s
8035: learn: 25.3778573 total: 27.7s remaining: 6.77s
8036: learn: 25.3757175 total: 27.7s remaining: 6.77s
8037: learn: 25.3745840 total: 27.7s remaining: 6.76s
8038: learn: 25.3738763 total: 27.7s remaining: 6.76s
8039: learn: 25.3720897 total: 27.7s remaining: 6.75s
8040: learn: 25.3716142 total: 27.7s remaining: 6.75s
8041: learn: 25.3700050 total: 27.7s remaining: 6.75s
8042: learn: 25.3692805 total: 27.7s remaining: 6.75s
8043: learn: 25.3665539 total: 27.7s remaining: 6.74s
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8045: learn: 25.3639843 total: 27.7s remaining: 6.73s
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8047: learn: 25.3611652 total: 27.7s remaining: 6.73s
8048: learn: 25.3597074 total: 27.7s remaining: 6.72s
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8050: learn: 25.3552100 total: 27.7s remaining: 6.72s
8051: learn: 25.3540690 total: 27.8s remaining: 6.71s
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8053: learn: 25.3509114 total: 27.8s remaining: 6.71s
8054: learn: 25.3490948 total: 27.8s remaining: 6.7s
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8058: learn: 25.3401823 total: 27.8s remaining: 6.69s
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8062: learn: 25.3294540 total: 27.8s remaining: 6.67s
8063: learn: 25.3269552 total: 27.8s remaining: 6.67s
8064: learn: 25.3254237 total: 27.8s remaining: 6.67s
8065: learn: 25.3215729 total: 27.8s remaining: 6.67s

8066:	learn: 25.3206885	total: 27.8s	remaining: 6.66s
8067:	learn: 25.3192405	total: 27.8s	remaining: 6.66s
8068:	learn: 25.3172113	total: 27.8s	remaining: 6.65s
8069:	learn: 25.3154255	total: 27.8s	remaining: 6.65s
8070:	learn: 25.3116200	total: 27.8s	remaining: 6.65s
8071:	learn: 25.3103446	total: 27.8s	remaining: 6.64s
8072:	learn: 25.3077378	total: 27.8s	remaining: 6.64s
8073:	learn: 25.3055082	total: 27.8s	remaining: 6.64s
8074:	learn: 25.3044182	total: 27.8s	remaining: 6.63s
8075:	learn: 25.3025701	total: 27.8s	remaining: 6.63s
8076:	learn: 25.3003574	total: 27.8s	remaining: 6.63s
8077:	learn: 25.2981215	total: 27.8s	remaining: 6.62s
8078:	learn: 25.2961571	total: 27.8s	remaining: 6.62s
8079:	learn: 25.2953286	total: 27.8s	remaining: 6.62s
8080:	learn: 25.2922335	total: 27.8s	remaining: 6.61s
8081:	learn: 25.2914554	total: 27.9s	remaining: 6.61s
8082:	learn: 25.2885346	total: 27.9s	remaining: 6.61s
8083:	learn: 25.2869317	total: 27.9s	remaining: 6.6s
8084:	learn: 25.2835690	total: 27.9s	remaining: 6.6s
8085:	learn: 25.2815719	total: 27.9s	remaining: 6.59s
8086:	learn: 25.2799947	total: 27.9s	remaining: 6.59s
8087:	learn: 25.2764098	total: 27.9s	remaining: 6.59s
8088:	learn: 25.2752542	total: 27.9s	remaining: 6.58s
8089:	learn: 25.2724774	total: 27.9s	remaining: 6.58s
8090:	learn: 25.2699624	total: 27.9s	remaining: 6.58s
8091:	learn: 25.2687257	total: 27.9s	remaining: 6.58s
8092:	learn: 25.2651626	total: 27.9s	remaining: 6.57s
8093:	learn: 25.2628074	total: 27.9s	remaining: 6.57s
8094:	learn: 25.2604397	total: 27.9s	remaining: 6.56s
8095:	learn: 25.2598788	total: 27.9s	remaining: 6.56s
8096:	learn: 25.2582609	total: 27.9s	remaining: 6.56s
8097:	learn: 25.2558786	total: 27.9s	remaining: 6.55s
8098:	learn: 25.2542898	total: 27.9s	remaining: 6.55s
8099:	learn: 25.2527474	total: 27.9s	remaining: 6.55s
8100:	learn: 25.2518462	total: 27.9s	remaining: 6.54s
8101:	learn: 25.2509578	total: 27.9s	remaining: 6.54s
8102:	learn: 25.2509178	total: 27.9s	remaining: 6.54s
8103:	learn: 25.2482834	total: 27.9s	remaining: 6.53s
8104:	learn: 25.2465684	total: 27.9s	remaining: 6.53s
8105:	learn: 25.2453706	total: 27.9s	remaining: 6.53s
8106:	learn: 25.2430833	total: 27.9s	remaining: 6.52s
8107:	learn: 25.2424912	total: 27.9s	remaining: 6.52s
8108:	learn: 25.2408653	total: 27.9s	remaining: 6.52s
8109:	learn: 25.2392021	total: 27.9s	remaining: 6.51s
8110:	learn: 25.2368025	total: 27.9s	remaining: 6.51s
8111:	learn: 25.2344674	total: 28s	remaining: 6.5s
8112:	learn: 25.2321970	total: 28s	remaining: 6.5s
8113:	learn: 25.2294248	total: 28s	remaining: 6.5s
8114:	learn: 25.2261758	total: 28s	remaining: 6.5s
8115:	learn: 25.2235694	total: 28s	remaining: 6.49s
8116:	learn: 25.2218841	total: 28s	remaining: 6.49s
8117:	learn: 25.2205621	total: 28s	remaining: 6.48s
8118:	learn: 25.2185073	total: 28s	remaining: 6.48s
8119:	learn: 25.2171484	total: 28s	remaining: 6.48s
8120:	learn: 25.2153492	total: 28s	remaining: 6.47s
8121:	learn: 25.2135551	total: 28s	remaining: 6.47s
8122:	learn: 25.2130839	total: 28s	remaining: 6.47s
8123:	learn: 25.2108031	total: 28s	remaining: 6.46s
8124:	learn: 25.2094141	total: 28s	remaining: 6.46s
8125:	learn: 25.2068636	total: 28s	remaining: 6.46s
8126:	learn: 25.2054294	total: 28s	remaining: 6.45s
8127:	learn: 25.2029459	total: 28s	remaining: 6.45s
8128:	learn: 25.2004014	total: 28s	remaining: 6.45s
8129:	learn: 25.1982311	total: 28s	remaining: 6.44s
8130:	learn: 25.1969702	total: 28s	remaining: 6.44s
8131:	learn: 25.1947881	total: 28s	remaining: 6.44s
8132:	learn: 25.1913513	total: 28s	remaining: 6.43s
8133:	learn: 25.1905329	total: 28s	remaining: 6.43s
8134:	learn: 25.1896824	total: 28s	remaining: 6.43s
8135:	learn: 25.1868167	total: 28s	remaining: 6.42s
8136:	learn: 25.1837153	total: 28s	remaining: 6.42s
8137:	learn: 25.1815679	total: 28s	remaining: 6.42s
8138:	learn: 25.1804880	total: 28s	remaining: 6.41s
8139:	learn: 25.1784962	total: 28.1s	remaining: 6.41s

8140: learn: 25.1775077 total: 28.1s remaining: 6.41s
8141: learn: 25.1747546 total: 28.1s remaining: 6.4s
8142: learn: 25.1742736 total: 28.1s remaining: 6.4s
8143: learn: 25.1733546 total: 28.1s remaining: 6.4s
8144: learn: 25.1694187 total: 28.1s remaining: 6.39s
8145: learn: 25.1671527 total: 28.1s remaining: 6.39s
8146: learn: 25.1660387 total: 28.1s remaining: 6.39s
8147: learn: 25.1646870 total: 28.1s remaining: 6.38s
8148: learn: 25.1633258 total: 28.1s remaining: 6.38s
8149: learn: 25.1601450 total: 28.1s remaining: 6.38s
8150: learn: 25.1586672 total: 28.1s remaining: 6.37s
8151: learn: 25.1566408 total: 28.1s remaining: 6.37s
8152: learn: 25.1543404 total: 28.1s remaining: 6.37s
8153: learn: 25.1519065 total: 28.1s remaining: 6.36s
8154: learn: 25.1512661 total: 28.1s remaining: 6.36s
8155: learn: 25.1484583 total: 28.1s remaining: 6.36s
8156: learn: 25.1473625 total: 28.1s remaining: 6.35s
8157: learn: 25.1429129 total: 28.1s remaining: 6.35s
8158: learn: 25.1408323 total: 28.1s remaining: 6.34s
8159: learn: 25.1400006 total: 28.1s remaining: 6.34s
8160: learn: 25.1385584 total: 28.1s remaining: 6.34s
8161: learn: 25.1377364 total: 28.1s remaining: 6.33s
8162: learn: 25.1350415 total: 28.1s remaining: 6.33s
8163: learn: 25.1334400 total: 28.1s remaining: 6.33s
8164: learn: 25.1309353 total: 28.1s remaining: 6.32s
8165: learn: 25.1283484 total: 28.1s remaining: 6.32s
8166: learn: 25.1270259 total: 28.2s remaining: 6.32s
8167: learn: 25.1245997 total: 28.2s remaining: 6.31s
8168: learn: 25.1219410 total: 28.2s remaining: 6.31s
8169: learn: 25.1211690 total: 28.2s remaining: 6.31s
8170: learn: 25.1193373 total: 28.2s remaining: 6.3s
8171: learn: 25.1182143 total: 28.2s remaining: 6.3s
8172: learn: 25.1165854 total: 28.2s remaining: 6.3s
8173: learn: 25.1138041 total: 28.2s remaining: 6.29s
8174: learn: 25.1125699 total: 28.2s remaining: 6.29s
8175: learn: 25.1107859 total: 28.2s remaining: 6.29s
8176: learn: 25.1089926 total: 28.2s remaining: 6.28s
8177: learn: 25.1070272 total: 28.2s remaining: 6.28s
8178: learn: 25.1047137 total: 28.2s remaining: 6.28s
8179: learn: 25.1016096 total: 28.2s remaining: 6.27s
8180: learn: 25.0975471 total: 28.2s remaining: 6.27s
8181: learn: 25.0961082 total: 28.2s remaining: 6.27s
8182: learn: 25.0921829 total: 28.2s remaining: 6.26s
8183: learn: 25.0894296 total: 28.2s remaining: 6.26s
8184: learn: 25.0869884 total: 28.2s remaining: 6.26s
8185: learn: 25.0869763 total: 28.2s remaining: 6.25s
8186: learn: 25.0854094 total: 28.2s remaining: 6.25s
8187: learn: 25.0835076 total: 28.2s remaining: 6.25s
8188: learn: 25.0817220 total: 28.2s remaining: 6.24s
8189: learn: 25.0787281 total: 28.2s remaining: 6.24s
8190: learn: 25.0777128 total: 28.2s remaining: 6.24s
8191: learn: 25.0760727 total: 28.2s remaining: 6.23s
8192: learn: 25.0746866 total: 28.2s remaining: 6.23s
8193: learn: 25.0718159 total: 28.3s remaining: 6.23s
8194: learn: 25.0711368 total: 28.3s remaining: 6.22s
8195: learn: 25.0687650 total: 28.3s remaining: 6.22s
8196: learn: 25.0667390 total: 28.3s remaining: 6.22s
8197: learn: 25.0640409 total: 28.3s remaining: 6.21s
8198: learn: 25.0627603 total: 28.3s remaining: 6.21s
8199: learn: 25.0604778 total: 28.3s remaining: 6.21s
8200: learn: 25.0584548 total: 28.3s remaining: 6.2s
8201: learn: 25.0554093 total: 28.3s remaining: 6.2s
8202: learn: 25.0544282 total: 28.3s remaining: 6.2s
8203: learn: 25.0522617 total: 28.3s remaining: 6.19s
8204: learn: 25.0513023 total: 28.3s remaining: 6.19s
8205: learn: 25.0486386 total: 28.3s remaining: 6.19s
8206: learn: 25.0475029 total: 28.3s remaining: 6.18s
8207: learn: 25.0458090 total: 28.3s remaining: 6.18s
8208: learn: 25.0432538 total: 28.3s remaining: 6.17s
8209: learn: 25.0425082 total: 28.3s remaining: 6.17s
8210: learn: 25.0400082 total: 28.3s remaining: 6.17s
8211: learn: 25.0382913 total: 28.3s remaining: 6.17s
8212: learn: 25.0364145 total: 28.3s remaining: 6.16s
8213: learn: 25.0354766 total: 28.3s remaining: 6.16s

8214: learn: 25.0346233 total: 28.3s remaining: 6.16s
8215: learn: 25.0319510 total: 28.3s remaining: 6.15s
8216: learn: 25.0303201 total: 28.3s remaining: 6.15s
8217: learn: 25.0281766 total: 28.3s remaining: 6.14s
8218: learn: 25.0266072 total: 28.3s remaining: 6.14s
8219: learn: 25.0249500 total: 28.3s remaining: 6.14s
8220: learn: 25.0231237 total: 28.4s remaining: 6.13s
8221: learn: 25.0215386 total: 28.4s remaining: 6.13s
8222: learn: 25.0189974 total: 28.4s remaining: 6.13s
8223: learn: 25.0171741 total: 28.4s remaining: 6.12s
8224: learn: 25.0155300 total: 28.4s remaining: 6.12s
8225: learn: 25.0139070 total: 28.4s remaining: 6.12s
8226: learn: 25.0117145 total: 28.4s remaining: 6.11s
8227: learn: 25.0087431 total: 28.4s remaining: 6.11s
8228: learn: 25.0075982 total: 28.4s remaining: 6.11s
8229: learn: 25.0057274 total: 28.4s remaining: 6.1s
8230: learn: 25.0048667 total: 28.4s remaining: 6.1s
8231: learn: 25.0025460 total: 28.4s remaining: 6.1s
8232: learn: 25.0005192 total: 28.4s remaining: 6.09s
8233: learn: 24.9986062 total: 28.4s remaining: 6.09s
8234: learn: 24.9967840 total: 28.4s remaining: 6.09s
8235: learn: 24.9957709 total: 28.4s remaining: 6.08s
8236: learn: 24.9926521 total: 28.4s remaining: 6.08s
8237: learn: 24.9913827 total: 28.4s remaining: 6.08s
8238: learn: 24.9900443 total: 28.4s remaining: 6.07s
8239: learn: 24.9886607 total: 28.4s remaining: 6.07s
8240: learn: 24.9871696 total: 28.4s remaining: 6.07s
8241: learn: 24.9849465 total: 28.4s remaining: 6.06s
8242: learn: 24.9844129 total: 28.4s remaining: 6.06s
8243: learn: 24.9826594 total: 28.4s remaining: 6.06s
8244: learn: 24.9815605 total: 28.4s remaining: 6.05s
8245: learn: 24.9805472 total: 28.4s remaining: 6.05s
8246: learn: 24.9798696 total: 28.4s remaining: 6.05s
8247: learn: 24.9796107 total: 28.4s remaining: 6.04s
8248: learn: 24.9769915 total: 28.4s remaining: 6.04s
8249: learn: 24.9745732 total: 28.5s remaining: 6.04s
8250: learn: 24.9725080 total: 28.5s remaining: 6.03s
8251: learn: 24.9699828 total: 28.5s remaining: 6.03s
8252: learn: 24.9686703 total: 28.5s remaining: 6.03s
8253: learn: 24.9672573 total: 28.5s remaining: 6.02s
8254: learn: 24.9653059 total: 28.5s remaining: 6.02s
8255: learn: 24.9622618 total: 28.5s remaining: 6.01s
8256: learn: 24.9615351 total: 28.5s remaining: 6.01s
8257: learn: 24.9606382 total: 28.5s remaining: 6.01s
8258: learn: 24.9597276 total: 28.5s remaining: 6s
8259: learn: 24.9585338 total: 28.5s remaining: 6s
8260: learn: 24.9566013 total: 28.5s remaining: 6s
8261: learn: 24.9542326 total: 28.5s remaining: 5.99s
8262: learn: 24.9533252 total: 28.5s remaining: 5.99s
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8264: learn: 24.9494075 total: 28.5s remaining: 5.98s
8265: learn: 24.9487981 total: 28.5s remaining: 5.98s
8266: learn: 24.9477899 total: 28.5s remaining: 5.98s
8267: learn: 24.9460937 total: 28.5s remaining: 5.97s
8268: learn: 24.9451379 total: 28.5s remaining: 5.97s
8269: learn: 24.9435517 total: 28.5s remaining: 5.97s
8270: learn: 24.9406943 total: 28.5s remaining: 5.96s
8271: learn: 24.9395562 total: 28.5s remaining: 5.96s
8272: learn: 24.9369907 total: 28.5s remaining: 5.96s
8273: learn: 24.9346307 total: 28.5s remaining: 5.95s
8274: learn: 24.9334461 total: 28.5s remaining: 5.95s
8275: learn: 24.9312316 total: 28.5s remaining: 5.95s
8276: learn: 24.9298949 total: 28.6s remaining: 5.94s
8277: learn: 24.9274759 total: 28.6s remaining: 5.94s
8278: learn: 24.9266033 total: 28.6s remaining: 5.94s
8279: learn: 24.9238374 total: 28.6s remaining: 5.93s
8280: learn: 24.9223208 total: 28.6s remaining: 5.93s
8281: learn: 24.9211618 total: 28.6s remaining: 5.93s
8282: learn: 24.9196778 total: 28.6s remaining: 5.92s
8283: learn: 24.9173883 total: 28.6s remaining: 5.92s
8284: learn: 24.9166407 total: 28.6s remaining: 5.92s
8285: learn: 24.9139625 total: 28.6s remaining: 5.91s
8286: learn: 24.9121850 total: 28.6s remaining: 5.91s
8287: learn: 24.9086039 total: 28.6s remaining: 5.91s

8288: learn: 24.9076342 total: 28.6s remaining: 5.9s
8289: learn: 24.9060043 total: 28.6s remaining: 5.9s
8290: learn: 24.9040550 total: 28.6s remaining: 5.89s
8291: learn: 24.9010720 total: 28.6s remaining: 5.89s
8292: learn: 24.9004765 total: 28.6s remaining: 5.89s
8293: learn: 24.8993213 total: 28.6s remaining: 5.88s
8294: learn: 24.8963654 total: 28.6s remaining: 5.88s
8295: learn: 24.8937895 total: 28.6s remaining: 5.88s
8296: learn: 24.8925499 total: 28.6s remaining: 5.87s
8297: learn: 24.8915878 total: 28.6s remaining: 5.87s
8298: learn: 24.8899910 total: 28.6s remaining: 5.87s
8299: learn: 24.8881539 total: 28.6s remaining: 5.86s
8300: learn: 24.8850273 total: 28.6s remaining: 5.86s
8301: learn: 24.8820584 total: 28.6s remaining: 5.86s
8302: learn: 24.8788713 total: 28.6s remaining: 5.85s
8303: learn: 24.8778081 total: 28.6s remaining: 5.85s
8304: learn: 24.8769272 total: 28.6s remaining: 5.85s
8305: learn: 24.8765598 total: 28.7s remaining: 5.84s
8306: learn: 24.8756923 total: 28.7s remaining: 5.84s
8307: learn: 24.8740803 total: 28.7s remaining: 5.84s
8308: learn: 24.8727597 total: 28.7s remaining: 5.83s
8309: learn: 24.8711897 total: 28.7s remaining: 5.83s
8310: learn: 24.8692211 total: 28.7s remaining: 5.83s
8311: learn: 24.8672118 total: 28.7s remaining: 5.82s
8312: learn: 24.8652297 total: 28.7s remaining: 5.82s
8313: learn: 24.8639694 total: 28.7s remaining: 5.82s
8314: learn: 24.8618309 total: 28.7s remaining: 5.81s
8315: learn: 24.8598506 total: 28.7s remaining: 5.81s
8316: learn: 24.8567470 total: 28.7s remaining: 5.8s
8317: learn: 24.8554142 total: 28.7s remaining: 5.8s
8318: learn: 24.8535950 total: 28.7s remaining: 5.8s
8319: learn: 24.8512263 total: 28.7s remaining: 5.79s
8320: learn: 24.8502898 total: 28.7s remaining: 5.79s
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8322: learn: 24.8478938 total: 28.7s remaining: 5.78s
8323: learn: 24.8464893 total: 28.7s remaining: 5.78s
8324: learn: 24.8451062 total: 28.7s remaining: 5.78s
8325: learn: 24.8434380 total: 28.7s remaining: 5.77s
8326: learn: 24.8413546 total: 28.7s remaining: 5.77s
8327: learn: 24.8403929 total: 28.7s remaining: 5.77s
8328: learn: 24.8403503 total: 28.7s remaining: 5.76s
8329: learn: 24.8381126 total: 28.7s remaining: 5.76s
8330: learn: 24.8356510 total: 28.7s remaining: 5.76s
8331: learn: 24.8336133 total: 28.7s remaining: 5.75s
8332: learn: 24.8313866 total: 28.7s remaining: 5.75s
8333: learn: 24.8277133 total: 28.7s remaining: 5.75s
8334: learn: 24.8250203 total: 28.7s remaining: 5.74s
8335: learn: 24.8234281 total: 28.8s remaining: 5.74s
8336: learn: 24.8210526 total: 28.8s remaining: 5.74s
8337: learn: 24.8194887 total: 28.8s remaining: 5.73s
8338: learn: 24.8172643 total: 28.8s remaining: 5.73s
8339: learn: 24.8153858 total: 28.8s remaining: 5.72s
8340: learn: 24.8118899 total: 28.8s remaining: 5.72s
8341: learn: 24.8088830 total: 28.8s remaining: 5.72s
8342: learn: 24.8068888 total: 28.8s remaining: 5.71s
8343: learn: 24.8056464 total: 28.8s remaining: 5.71s
8344: learn: 24.8037233 total: 28.8s remaining: 5.71s
8345: learn: 24.8027687 total: 28.8s remaining: 5.7s
8346: learn: 24.8013092 total: 28.8s remaining: 5.7s
8347: learn: 24.7985543 total: 28.8s remaining: 5.7s
8348: learn: 24.7961078 total: 28.8s remaining: 5.69s
8349: learn: 24.7949518 total: 28.8s remaining: 5.69s
8350: learn: 24.7929170 total: 28.8s remaining: 5.69s
8351: learn: 24.7911482 total: 28.8s remaining: 5.68s
8352: learn: 24.7897769 total: 28.8s remaining: 5.68s
8353: learn: 24.7896768 total: 28.8s remaining: 5.68s
8354: learn: 24.7867653 total: 28.8s remaining: 5.67s
8355: learn: 24.7846822 total: 28.8s remaining: 5.67s
8356: learn: 24.7829090 total: 28.8s remaining: 5.67s
8357: learn: 24.7825752 total: 28.8s remaining: 5.66s
8358: learn: 24.7817720 total: 28.8s remaining: 5.66s
8359: learn: 24.7799074 total: 28.8s remaining: 5.66s
8360: learn: 24.7788498 total: 28.8s remaining: 5.65s
8361: learn: 24.7777777 total: 28.8s remaining: 5.65s

8362: learn: 24.7763349 total: 28.8s remaining: 5.64s
8363: learn: 24.7746326 total: 28.8s remaining: 5.64s
8364: learn: 24.7725026 total: 28.8s remaining: 5.64s
8365: learn: 24.7697238 total: 28.9s remaining: 5.63s
8366: learn: 24.7682531 total: 28.9s remaining: 5.63s
8367: learn: 24.7661139 total: 28.9s remaining: 5.63s
8368: learn: 24.7653725 total: 28.9s remaining: 5.63s
8369: learn: 24.7632107 total: 28.9s remaining: 5.62s
8370: learn: 24.7616199 total: 28.9s remaining: 5.62s
8371: learn: 24.7596099 total: 28.9s remaining: 5.61s
8372: learn: 24.7576333 total: 28.9s remaining: 5.61s
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8374: learn: 24.7543429 total: 28.9s remaining: 5.6s
8375: learn: 24.7521731 total: 28.9s remaining: 5.6s
8376: learn: 24.7500107 total: 28.9s remaining: 5.6s
8377: learn: 24.7475642 total: 28.9s remaining: 5.59s
8378: learn: 24.7465439 total: 28.9s remaining: 5.59s
8379: learn: 24.7451355 total: 28.9s remaining: 5.59s
8380: learn: 24.7425581 total: 28.9s remaining: 5.58s
8381: learn: 24.7418836 total: 28.9s remaining: 5.58s
8382: learn: 24.7402629 total: 28.9s remaining: 5.58s
8383: learn: 24.7390975 total: 28.9s remaining: 5.57s
8384: learn: 24.7390650 total: 28.9s remaining: 5.57s
8385: learn: 24.7370678 total: 28.9s remaining: 5.57s
8386: learn: 24.7352543 total: 28.9s remaining: 5.56s
8387: learn: 24.7340924 total: 28.9s remaining: 5.56s
8388: learn: 24.7322622 total: 28.9s remaining: 5.55s
8389: learn: 24.7307434 total: 28.9s remaining: 5.55s
8390: learn: 24.7283916 total: 28.9s remaining: 5.55s
8391: learn: 24.7254404 total: 28.9s remaining: 5.54s
8392: learn: 24.7237568 total: 28.9s remaining: 5.54s
8393: learn: 24.7227231 total: 28.9s remaining: 5.54s
8394: learn: 24.7216936 total: 28.9s remaining: 5.53s
8395: learn: 24.7196138 total: 29s remaining: 5.53s
8396: learn: 24.7176986 total: 29s remaining: 5.53s
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8403: learn: 24.7027015 total: 29s remaining: 5.5s
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8408: learn: 24.6917046 total: 29s remaining: 5.49s
8409: learn: 24.6903555 total: 29s remaining: 5.48s
8410: learn: 24.6881131 total: 29s remaining: 5.48s
8411: learn: 24.6872409 total: 29s remaining: 5.48s
8412: learn: 24.6860493 total: 29s remaining: 5.47s
8413: learn: 24.6859010 total: 29s remaining: 5.47s
8414: learn: 24.6843475 total: 29s remaining: 5.46s
8415: learn: 24.6821234 total: 29s remaining: 5.46s
8416: learn: 24.6799752 total: 29s remaining: 5.46s
8417: learn: 24.6783539 total: 29s remaining: 5.46s
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8436: learn: 24.6424347 total: 29.1s remaining: 5.39s
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8444: learn: 24.6272900 total: 29.1s remaining: 5.36s
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8448: learn: 24.6194797 total: 29.1s remaining: 5.35s
8449: learn: 24.6165726 total: 29.1s remaining: 5.35s
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8452: learn: 24.6136909 total: 29.2s remaining: 5.34s
8453: learn: 24.6118256 total: 29.2s remaining: 5.33s
8454: learn: 24.6105443 total: 29.2s remaining: 5.33s
8455: learn: 24.6091399 total: 29.2s remaining: 5.33s
8456: learn: 24.6074729 total: 29.2s remaining: 5.32s
8457: learn: 24.6040346 total: 29.2s remaining: 5.32s
8458: learn: 24.6003393 total: 29.2s remaining: 5.32s
8459: learn: 24.5990496 total: 29.2s remaining: 5.31s
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8462: learn: 24.5928190 total: 29.2s remaining: 5.3s
8463: learn: 24.5908346 total: 29.2s remaining: 5.3s
8464: learn: 24.5898081 total: 29.2s remaining: 5.29s
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8474: learn: 24.5681976 total: 29.2s remaining: 5.26s
8475: learn: 24.5666892 total: 29.2s remaining: 5.26s
8476: learn: 24.5631494 total: 29.2s remaining: 5.25s
8477: learn: 24.5609342 total: 29.2s remaining: 5.25s
8478: learn: 24.5582269 total: 29.3s remaining: 5.25s
8479: learn: 24.5570307 total: 29.3s remaining: 5.24s
8480: learn: 24.5545941 total: 29.3s remaining: 5.24s
8481: learn: 24.5529729 total: 29.3s remaining: 5.24s
8482: learn: 24.5514686 total: 29.3s remaining: 5.23s
8483: learn: 24.5493880 total: 29.3s remaining: 5.23s
8484: learn: 24.5483535 total: 29.3s remaining: 5.23s
8485: learn: 24.5461185 total: 29.3s remaining: 5.22s
8486: learn: 24.5457797 total: 29.3s remaining: 5.22s
8487: learn: 24.5424390 total: 29.3s remaining: 5.22s
8488: learn: 24.5389126 total: 29.3s remaining: 5.21s
8489: learn: 24.5373362 total: 29.3s remaining: 5.21s
8490: learn: 24.5362864 total: 29.3s remaining: 5.21s
8491: learn: 24.5337225 total: 29.3s remaining: 5.2s
8492: learn: 24.5316369 total: 29.3s remaining: 5.2s
8493: learn: 24.5293520 total: 29.3s remaining: 5.2s
8494: learn: 24.5278863 total: 29.3s remaining: 5.19s
8495: learn: 24.5262736 total: 29.3s remaining: 5.19s
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8509: learn: 24.5042555 total: 29.4s remaining: 5.14s

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8603: learn: 24.3540925 total: 29.7s remaining: 4.82s
8604: learn: 24.3527698 total: 29.7s remaining: 4.81s
8605: learn: 24.3514698 total: 29.7s remaining: 4.81s
8606: learn: 24.3497225 total: 29.7s remaining: 4.81s
8607: learn: 24.3469401 total: 29.7s remaining: 4.8s
8608: learn: 24.3453959 total: 29.7s remaining: 4.8s
8609: learn: 24.3433730 total: 29.7s remaining: 4.8s
8610: learn: 24.3400956 total: 29.7s remaining: 4.79s
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8616: learn: 24.3287180 total: 29.7s remaining: 4.77s
8617: learn: 24.3278391 total: 29.7s remaining: 4.77s
8618: learn: 24.3271811 total: 29.7s remaining: 4.77s
8619: learn: 24.3260660 total: 29.7s remaining: 4.76s
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8621: learn: 24.3249484 total: 29.8s remaining: 4.75s
8622: learn: 24.3237500 total: 29.8s remaining: 4.75s
8623: learn: 24.3228101 total: 29.8s remaining: 4.75s
8624: learn: 24.3213860 total: 29.8s remaining: 4.75s
8625: learn: 24.3200138 total: 29.8s remaining: 4.74s
8626: learn: 24.3191973 total: 29.8s remaining: 4.74s
8627: learn: 24.3182568 total: 29.8s remaining: 4.74s
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8629: learn: 24.3161337 total: 29.8s remaining: 4.73s
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8632: learn: 24.3123690 total: 29.8s remaining: 4.72s
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8634: learn: 24.3106269 total: 29.8s remaining: 4.71s
8635: learn: 24.3078974 total: 29.8s remaining: 4.71s
8636: learn: 24.3067267 total: 29.8s remaining: 4.7s
8637: learn: 24.3051534 total: 29.8s remaining: 4.7s
8638: learn: 24.3027803 total: 29.8s remaining: 4.7s
8639: learn: 24.3022596 total: 29.8s remaining: 4.69s
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8642: learn: 24.2978353 total: 29.8s remaining: 4.68s
8643: learn: 24.2967557 total: 29.8s remaining: 4.68s
8644: learn: 24.2946502 total: 29.8s remaining: 4.68s
8645: learn: 24.2923722 total: 29.8s remaining: 4.67s
8646: learn: 24.2923646 total: 29.8s remaining: 4.67s
8647: learn: 24.2912351 total: 29.9s remaining: 4.67s
8648: learn: 24.2905359 total: 29.9s remaining: 4.66s
8649: learn: 24.2897293 total: 29.9s remaining: 4.66s
8650: learn: 24.2877431 total: 29.9s remaining: 4.66s
8651: learn: 24.2869770 total: 29.9s remaining: 4.65s
8652: learn: 24.2860448 total: 29.9s remaining: 4.65s
8653: learn: 24.2841420 total: 29.9s remaining: 4.65s
8654: learn: 24.2839788 total: 29.9s remaining: 4.64s
8655: learn: 24.2819300 total: 29.9s remaining: 4.64s
8656: learn: 24.2810723 total: 29.9s remaining: 4.63s
8657: learn: 24.2803585 total: 29.9s remaining: 4.63s

8658:	learn: 24.2792749	total: 29.9s	remaining: 4.63s
8659:	learn: 24.2781398	total: 29.9s	remaining: 4.63s
8660:	learn: 24.2761014	total: 29.9s	remaining: 4.62s
8661:	learn: 24.2748997	total: 29.9s	remaining: 4.62s
8662:	learn: 24.2726105	total: 29.9s	remaining: 4.62s
8663:	learn: 24.2705046	total: 29.9s	remaining: 4.61s
8664:	learn: 24.2689427	total: 29.9s	remaining: 4.61s
8665:	learn: 24.2657555	total: 29.9s	remaining: 4.61s
8666:	learn: 24.2609833	total: 29.9s	remaining: 4.6s
8667:	learn: 24.2596974	total: 29.9s	remaining: 4.6s
8668:	learn: 24.2576168	total: 29.9s	remaining: 4.59s
8669:	learn: 24.2546852	total: 29.9s	remaining: 4.59s
8670:	learn: 24.2540808	total: 29.9s	remaining: 4.59s
8671:	learn: 24.2530298	total: 29.9s	remaining: 4.58s
8672:	learn: 24.2512174	total: 29.9s	remaining: 4.58s
8673:	learn: 24.2482867	total: 29.9s	remaining: 4.58s
8674:	learn: 24.2474724	total: 29.9s	remaining: 4.57s
8675:	learn: 24.2460234	total: 30s	remaining: 4.57s
8676:	learn: 24.2434365	total: 30s	remaining: 4.57s
8677:	learn: 24.2404925	total: 30s	remaining: 4.56s
8678:	learn: 24.2381007	total: 30s	remaining: 4.56s
8679:	learn: 24.2372660	total: 30s	remaining: 4.56s
8680:	learn: 24.2365395	total: 30s	remaining: 4.55s
8681:	learn: 24.2348167	total: 30s	remaining: 4.55s
8682:	learn: 24.2338246	total: 30s	remaining: 4.55s
8683:	learn: 24.2318078	total: 30s	remaining: 4.54s
8684:	learn: 24.2308802	total: 30s	remaining: 4.54s
8685:	learn: 24.2274675	total: 30s	remaining: 4.54s
8686:	learn: 24.2258046	total: 30s	remaining: 4.53s
8687:	learn: 24.2229515	total: 30s	remaining: 4.53s
8688:	learn: 24.2222005	total: 30s	remaining: 4.53s
8689:	learn: 24.2199175	total: 30s	remaining: 4.52s
8690:	learn: 24.2180889	total: 30s	remaining: 4.52s
8691:	learn: 24.2168801	total: 30s	remaining: 4.51s
8692:	learn: 24.2150938	total: 30s	remaining: 4.51s
8693:	learn: 24.2137233	total: 30s	remaining: 4.51s
8694:	learn: 24.2127766	total: 30s	remaining: 4.5s
8695:	learn: 24.2108996	total: 30s	remaining: 4.5s
8696:	learn: 24.2081709	total: 30s	remaining: 4.5s
8697:	learn: 24.2057826	total: 30s	remaining: 4.5s
8698:	learn: 24.2042614	total: 30s	remaining: 4.49s
8699:	learn: 24.2013642	total: 30s	remaining: 4.49s
8700:	learn: 24.2002732	total: 30s	remaining: 4.49s
8701:	learn: 24.1979604	total: 30s	remaining: 4.48s
8702:	learn: 24.1958023	total: 30s	remaining: 4.48s
8703:	learn: 24.1948752	total: 30.1s	remaining: 4.47s
8704:	learn: 24.1930513	total: 30.1s	remaining: 4.47s
8705:	learn: 24.1889024	total: 30.1s	remaining: 4.47s
8706:	learn: 24.1878767	total: 30.1s	remaining: 4.46s
8707:	learn: 24.1859770	total: 30.1s	remaining: 4.46s
8708:	learn: 24.1858314	total: 30.1s	remaining: 4.46s
8709:	learn: 24.1845131	total: 30.1s	remaining: 4.45s
8710:	learn: 24.1835495	total: 30.1s	remaining: 4.45s
8711:	learn: 24.1823139	total: 30.1s	remaining: 4.45s
8712:	learn: 24.1820877	total: 30.1s	remaining: 4.44s
8713:	learn: 24.1808625	total: 30.1s	remaining: 4.44s
8714:	learn: 24.1795651	total: 30.1s	remaining: 4.44s
8715:	learn: 24.1771551	total: 30.1s	remaining: 4.43s
8716:	learn: 24.1741138	total: 30.1s	remaining: 4.43s
8717:	learn: 24.1721639	total: 30.1s	remaining: 4.43s
8718:	learn: 24.1703817	total: 30.1s	remaining: 4.42s
8719:	learn: 24.1682423	total: 30.1s	remaining: 4.42s
8720:	learn: 24.1676211	total: 30.1s	remaining: 4.42s
8721:	learn: 24.1652615	total: 30.1s	remaining: 4.41s
8722:	learn: 24.1641841	total: 30.1s	remaining: 4.41s
8723:	learn: 24.1629077	total: 30.1s	remaining: 4.41s
8724:	learn: 24.1628610	total: 30.1s	remaining: 4.4s
8725:	learn: 24.1613846	total: 30.1s	remaining: 4.4s
8726:	learn: 24.1596537	total: 30.1s	remaining: 4.39s
8727:	learn: 24.1582588	total: 30.1s	remaining: 4.39s
8728:	learn: 24.1557694	total: 30.1s	remaining: 4.39s
8729:	learn: 24.1540019	total: 30.1s	remaining: 4.38s
8730:	learn: 24.1535171	total: 30.1s	remaining: 4.38s
8731:	learn: 24.1512208	total: 30.2s	remaining: 4.38s

8732:	learn: 24.1497937	total: 30.2s	remaining: 4.38s
8733:	learn: 24.1481456	total: 30.2s	remaining: 4.37s
8734:	learn: 24.1475054	total: 30.2s	remaining: 4.37s
8735:	learn: 24.1461189	total: 30.2s	remaining: 4.36s
8736:	learn: 24.1442519	total: 30.2s	remaining: 4.36s
8737:	learn: 24.1437038	total: 30.2s	remaining: 4.36s
8738:	learn: 24.1435593	total: 30.2s	remaining: 4.35s
8739:	learn: 24.1416828	total: 30.2s	remaining: 4.35s
8740:	learn: 24.1383336	total: 30.2s	remaining: 4.35s
8741:	learn: 24.1367793	total: 30.2s	remaining: 4.34s
8742:	learn: 24.1358035	total: 30.2s	remaining: 4.34s
8743:	learn: 24.1351242	total: 30.2s	remaining: 4.34s
8744:	learn: 24.1348785	total: 30.2s	remaining: 4.33s
8745:	learn: 24.1340546	total: 30.2s	remaining: 4.33s
8746:	learn: 24.1326188	total: 30.2s	remaining: 4.33s
8747:	learn: 24.1308510	total: 30.2s	remaining: 4.32s
8748:	learn: 24.1271108	total: 30.2s	remaining: 4.32s
8749:	learn: 24.1239989	total: 30.2s	remaining: 4.32s
8750:	learn: 24.1215433	total: 30.2s	remaining: 4.31s
8751:	learn: 24.1204836	total: 30.2s	remaining: 4.31s
8752:	learn: 24.1196669	total: 30.2s	remaining: 4.31s
8753:	learn: 24.1186282	total: 30.2s	remaining: 4.3s
8754:	learn: 24.1180865	total: 30.2s	remaining: 4.3s
8755:	learn: 24.1167004	total: 30.2s	remaining: 4.29s
8756:	learn: 24.1156159	total: 30.2s	remaining: 4.29s
8757:	learn: 24.1131571	total: 30.2s	remaining: 4.29s
8758:	learn: 24.1110309	total: 30.2s	remaining: 4.29s
8759:	learn: 24.1084936	total: 30.2s	remaining: 4.28s
8760:	learn: 24.1069808	total: 30.3s	remaining: 4.28s
8761:	learn: 24.1055731	total: 30.3s	remaining: 4.27s
8762:	learn: 24.1040884	total: 30.3s	remaining: 4.27s
8763:	learn: 24.1017808	total: 30.3s	remaining: 4.27s
8764:	learn: 24.1012491	total: 30.3s	remaining: 4.26s
8765:	learn: 24.0981961	total: 30.3s	remaining: 4.26s
8766:	learn: 24.0969648	total: 30.3s	remaining: 4.26s
8767:	learn: 24.0957734	total: 30.3s	remaining: 4.25s
8768:	learn: 24.0942873	total: 30.3s	remaining: 4.25s
8769:	learn: 24.0930128	total: 30.3s	remaining: 4.25s
8770:	learn: 24.0911228	total: 30.3s	remaining: 4.24s
8771:	learn: 24.0899622	total: 30.3s	remaining: 4.24s
8772:	learn: 24.0888063	total: 30.3s	remaining: 4.24s
8773:	learn: 24.0867561	total: 30.3s	remaining: 4.23s
8774:	learn: 24.0848833	total: 30.3s	remaining: 4.23s
8775:	learn: 24.0835613	total: 30.3s	remaining: 4.23s
8776:	learn: 24.0809952	total: 30.3s	remaining: 4.22s
8777:	learn: 24.0804268	total: 30.3s	remaining: 4.22s
8778:	learn: 24.0786607	total: 30.3s	remaining: 4.21s
8779:	learn: 24.0764434	total: 30.3s	remaining: 4.21s
8780:	learn: 24.0760367	total: 30.3s	remaining: 4.21s
8781:	learn: 24.0726507	total: 30.3s	remaining: 4.21s
8782:	learn: 24.0696913	total: 30.3s	remaining: 4.2s
8783:	learn: 24.0676363	total: 30.3s	remaining: 4.2s
8784:	learn: 24.0662187	total: 30.3s	remaining: 4.2s
8785:	learn: 24.0658511	total: 30.3s	remaining: 4.19s
8786:	learn: 24.0642159	total: 30.3s	remaining: 4.19s
8787:	learn: 24.0635394	total: 30.3s	remaining: 4.18s
8788:	learn: 24.0612734	total: 30.3s	remaining: 4.18s
8789:	learn: 24.0592469	total: 30.3s	remaining: 4.18s
8790:	learn: 24.0574126	total: 30.4s	remaining: 4.17s
8791:	learn: 24.0561726	total: 30.4s	remaining: 4.17s
8792:	learn: 24.0544005	total: 30.4s	remaining: 4.17s
8793:	learn: 24.0521689	total: 30.4s	remaining: 4.16s
8794:	learn: 24.0515892	total: 30.4s	remaining: 4.16s
8795:	learn: 24.0500625	total: 30.4s	remaining: 4.16s
8796:	learn: 24.0487385	total: 30.4s	remaining: 4.15s
8797:	learn: 24.0470785	total: 30.4s	remaining: 4.15s
8798:	learn: 24.0452143	total: 30.4s	remaining: 4.15s
8799:	learn: 24.0445663	total: 30.4s	remaining: 4.14s
8800:	learn: 24.0437321	total: 30.4s	remaining: 4.14s
8801:	learn: 24.0432601	total: 30.4s	remaining: 4.14s
8802:	learn: 24.0422580	total: 30.4s	remaining: 4.13s
8803:	learn: 24.0402036	total: 30.4s	remaining: 4.13s
8804:	learn: 24.0394927	total: 30.4s	remaining: 4.13s
8805:	learn: 24.0379893	total: 30.4s	remaining: 4.12s

8806: learn: 24.0349228 total: 30.4s remaining: 4.12s
8807: learn: 24.0335763 total: 30.4s remaining: 4.12s
8808: learn: 24.0320764 total: 30.4s remaining: 4.11s
8809: learn: 24.0309257 total: 30.4s remaining: 4.11s
8810: learn: 24.0294225 total: 30.4s remaining: 4.11s
8811: learn: 24.0276327 total: 30.4s remaining: 4.1s
8812: learn: 24.0254008 total: 30.4s remaining: 4.1s
8813: learn: 24.0244109 total: 30.4s remaining: 4.09s
8814: learn: 24.0216546 total: 30.4s remaining: 4.09s
8815: learn: 24.0206723 total: 30.4s remaining: 4.09s
8816: learn: 24.0197041 total: 30.4s remaining: 4.08s
8817: learn: 24.0186162 total: 30.4s remaining: 4.08s
8818: learn: 24.0168330 total: 30.4s remaining: 4.08s
8819: learn: 24.0151110 total: 30.4s remaining: 4.07s
8820: learn: 24.0143996 total: 30.5s remaining: 4.07s
8821: learn: 24.0109046 total: 30.5s remaining: 4.07s
8822: learn: 24.0084275 total: 30.5s remaining: 4.06s
8823: learn: 24.0073223 total: 30.5s remaining: 4.06s
8824: learn: 24.0058092 total: 30.5s remaining: 4.06s
8825: learn: 24.0045663 total: 30.5s remaining: 4.05s
8826: learn: 24.0039873 total: 30.5s remaining: 4.05s
8827: learn: 24.0019745 total: 30.5s remaining: 4.05s
8828: learn: 24.0009974 total: 30.5s remaining: 4.04s
8829: learn: 24.0009852 total: 30.5s remaining: 4.04s
8830: learn: 24.0004142 total: 30.5s remaining: 4.04s
8831: learn: 23.9986260 total: 30.5s remaining: 4.03s
8832: learn: 23.9976821 total: 30.5s remaining: 4.03s
8833: learn: 23.9967111 total: 30.5s remaining: 4.03s
8834: learn: 23.9961292 total: 30.5s remaining: 4.02s
8835: learn: 23.9945974 total: 30.5s remaining: 4.02s
8836: learn: 23.9941693 total: 30.5s remaining: 4.01s
8837: learn: 23.9921707 total: 30.5s remaining: 4.01s
8838: learn: 23.9907606 total: 30.5s remaining: 4.01s
8839: learn: 23.9903059 total: 30.5s remaining: 4s
8840: learn: 23.9896788 total: 30.5s remaining: 4s
8841: learn: 23.9872815 total: 30.5s remaining: 4s
8842: learn: 23.9855111 total: 30.5s remaining: 3.99s
8843: learn: 23.9850185 total: 30.5s remaining: 3.99s
8844: learn: 23.9839946 total: 30.5s remaining: 3.99s
8845: learn: 23.9822726 total: 30.5s remaining: 3.98s
8846: learn: 23.9804490 total: 30.5s remaining: 3.98s
8847: learn: 23.9789252 total: 30.5s remaining: 3.98s
8848: learn: 23.9771841 total: 30.5s remaining: 3.97s
8849: learn: 23.9765389 total: 30.5s remaining: 3.97s
8850: learn: 23.9736863 total: 30.6s remaining: 3.97s
8851: learn: 23.9720141 total: 30.6s remaining: 3.96s
8852: learn: 23.9707979 total: 30.6s remaining: 3.96s
8853: learn: 23.9675749 total: 30.6s remaining: 3.96s
8854: learn: 23.9671568 total: 30.6s remaining: 3.95s
8855: learn: 23.9668245 total: 30.6s remaining: 3.95s
8856: learn: 23.9634133 total: 30.6s remaining: 3.94s
8857: learn: 23.9614723 total: 30.6s remaining: 3.94s
8858: learn: 23.9584476 total: 30.6s remaining: 3.94s
8859: learn: 23.9563621 total: 30.6s remaining: 3.94s
8860: learn: 23.9539409 total: 30.6s remaining: 3.93s
8861: learn: 23.9515189 total: 30.6s remaining: 3.93s
8862: learn: 23.9503687 total: 30.6s remaining: 3.92s
8863: learn: 23.9485258 total: 30.6s remaining: 3.92s
8864: learn: 23.9453095 total: 30.6s remaining: 3.92s
8865: learn: 23.9434238 total: 30.6s remaining: 3.91s
8866: learn: 23.9412053 total: 30.6s remaining: 3.91s
8867: learn: 23.9393421 total: 30.6s remaining: 3.91s
8868: learn: 23.9379044 total: 30.6s remaining: 3.9s
8869: learn: 23.9353822 total: 30.6s remaining: 3.9s
8870: learn: 23.9347401 total: 30.6s remaining: 3.9s
8871: learn: 23.9331500 total: 30.6s remaining: 3.89s
8872: learn: 23.9310525 total: 30.6s remaining: 3.89s
8873: learn: 23.9296812 total: 30.6s remaining: 3.89s
8874: learn: 23.9278284 total: 30.6s remaining: 3.88s
8875: learn: 23.9270531 total: 30.6s remaining: 3.88s
8876: learn: 23.9248926 total: 30.6s remaining: 3.88s
8877: learn: 23.9229898 total: 30.6s remaining: 3.87s
8878: learn: 23.9214989 total: 30.6s remaining: 3.87s
8879: learn: 23.9202781 total: 30.6s remaining: 3.87s

8880:	learn: 23.9193674	total: 30.7s	remaining: 3.86s
8881:	learn: 23.9183789	total: 30.7s	remaining: 3.86s
8882:	learn: 23.9168948	total: 30.7s	remaining: 3.85s
8883:	learn: 23.9154253	total: 30.7s	remaining: 3.85s
8884:	learn: 23.9131558	total: 30.7s	remaining: 3.85s
8885:	learn: 23.9112261	total: 30.7s	remaining: 3.85s
8886:	learn: 23.9089899	total: 30.7s	remaining: 3.84s
8887:	learn: 23.9075208	total: 30.7s	remaining: 3.84s
8888:	learn: 23.9062721	total: 30.7s	remaining: 3.83s
8889:	learn: 23.9050785	total: 30.7s	remaining: 3.83s
8890:	learn: 23.9039233	total: 30.7s	remaining: 3.83s
8891:	learn: 23.9026938	total: 30.7s	remaining: 3.82s
8892:	learn: 23.9013303	total: 30.7s	remaining: 3.82s
8893:	learn: 23.8998858	total: 30.7s	remaining: 3.82s
8894:	learn: 23.8978831	total: 30.7s	remaining: 3.81s
8895:	learn: 23.8975257	total: 30.7s	remaining: 3.81s
8896:	learn: 23.8965352	total: 30.7s	remaining: 3.81s
8897:	learn: 23.8957076	total: 30.7s	remaining: 3.8s
8898:	learn: 23.8936533	total: 30.7s	remaining: 3.8s
8899:	learn: 23.8917258	total: 30.7s	remaining: 3.8s
8900:	learn: 23.8901929	total: 30.7s	remaining: 3.79s
8901:	learn: 23.8864288	total: 30.7s	remaining: 3.79s
8902:	learn: 23.8851979	total: 30.7s	remaining: 3.79s
8903:	learn: 23.8832209	total: 30.7s	remaining: 3.78s
8904:	learn: 23.8819605	total: 30.7s	remaining: 3.78s
8905:	learn: 23.8805313	total: 30.7s	remaining: 3.77s
8906:	learn: 23.8792175	total: 30.7s	remaining: 3.77s
8907:	learn: 23.8778841	total: 30.7s	remaining: 3.77s
8908:	learn: 23.8755670	total: 30.7s	remaining: 3.77s
8909:	learn: 23.8732917	total: 30.8s	remaining: 3.76s
8910:	learn: 23.8711745	total: 30.8s	remaining: 3.76s
8911:	learn: 23.8704517	total: 30.8s	remaining: 3.75s
8912:	learn: 23.8692447	total: 30.8s	remaining: 3.75s
8913:	learn: 23.8678248	total: 30.8s	remaining: 3.75s
8914:	learn: 23.8670509	total: 30.8s	remaining: 3.74s
8915:	learn: 23.8661924	total: 30.8s	remaining: 3.74s
8916:	learn: 23.8650097	total: 30.8s	remaining: 3.74s
8917:	learn: 23.8637292	total: 30.8s	remaining: 3.73s
8918:	learn: 23.8610381	total: 30.8s	remaining: 3.73s
8919:	learn: 23.8596225	total: 30.8s	remaining: 3.73s
8920:	learn: 23.8573426	total: 30.8s	remaining: 3.72s
8921:	learn: 23.8562213	total: 30.8s	remaining: 3.72s
8922:	learn: 23.8541188	total: 30.8s	remaining: 3.72s
8923:	learn: 23.8530584	total: 30.8s	remaining: 3.71s
8924:	learn: 23.8503854	total: 30.8s	remaining: 3.71s
8925:	learn: 23.8489117	total: 30.8s	remaining: 3.71s
8926:	learn: 23.8480360	total: 30.8s	remaining: 3.7s
8927:	learn: 23.8470626	total: 30.8s	remaining: 3.7s
8928:	learn: 23.8456426	total: 30.8s	remaining: 3.7s
8929:	learn: 23.8428756	total: 30.8s	remaining: 3.69s
8930:	learn: 23.8404136	total: 30.8s	remaining: 3.69s
8931:	learn: 23.8390497	total: 30.8s	remaining: 3.69s
8932:	learn: 23.8367950	total: 30.8s	remaining: 3.68s
8933:	learn: 23.8348969	total: 30.8s	remaining: 3.68s
8934:	learn: 23.8328460	total: 30.8s	remaining: 3.68s
8935:	learn: 23.8303605	total: 30.8s	remaining: 3.67s
8936:	learn: 23.8276038	total: 30.9s	remaining: 3.67s
8937:	learn: 23.8248927	total: 30.9s	remaining: 3.67s
8938:	learn: 23.8228010	total: 30.9s	remaining: 3.66s
8939:	learn: 23.8220401	total: 30.9s	remaining: 3.66s
8940:	learn: 23.8207002	total: 30.9s	remaining: 3.65s
8941:	learn: 23.8196775	total: 30.9s	remaining: 3.65s
8942:	learn: 23.8181512	total: 30.9s	remaining: 3.65s
8943:	learn: 23.8161609	total: 30.9s	remaining: 3.65s
8944:	learn: 23.8138625	total: 30.9s	remaining: 3.64s
8945:	learn: 23.8126592	total: 30.9s	remaining: 3.64s
8946:	learn: 23.8115611	total: 30.9s	remaining: 3.63s
8947:	learn: 23.8089129	total: 30.9s	remaining: 3.63s
8948:	learn: 23.8055922	total: 30.9s	remaining: 3.63s
8949:	learn: 23.8042594	total: 30.9s	remaining: 3.63s
8950:	learn: 23.8025064	total: 30.9s	remaining: 3.62s
8951:	learn: 23.8006254	total: 30.9s	remaining: 3.62s
8952:	learn: 23.7994598	total: 30.9s	remaining: 3.61s
8953:	learn: 23.7977869	total: 30.9s	remaining: 3.61s

8954:	learn: 23.7969260	total: 30.9s	remaining: 3.61s
8955:	learn: 23.7952019	total: 30.9s	remaining: 3.6s
8956:	learn: 23.7941754	total: 30.9s	remaining: 3.6s
8957:	learn: 23.7933256	total: 30.9s	remaining: 3.6s
8958:	learn: 23.7915970	total: 30.9s	remaining: 3.59s
8959:	learn: 23.7897280	total: 30.9s	remaining: 3.59s
8960:	learn: 23.7889067	total: 30.9s	remaining: 3.59s
8961:	learn: 23.7868291	total: 30.9s	remaining: 3.58s
8962:	learn: 23.7839689	total: 30.9s	remaining: 3.58s
8963:	learn: 23.7819431	total: 30.9s	remaining: 3.58s
8964:	learn: 23.7800329	total: 31s	remaining: 3.57s
8965:	learn: 23.7789383	total: 31s	remaining: 3.57s
8966:	learn: 23.7783618	total: 31s	remaining: 3.57s
8967:	learn: 23.7783346	total: 31s	remaining: 3.56s
8968:	learn: 23.7763645	total: 31s	remaining: 3.56s
8969:	learn: 23.7749747	total: 31s	remaining: 3.56s
8970:	learn: 23.7737295	total: 31s	remaining: 3.55s
8971:	learn: 23.7727657	total: 31s	remaining: 3.55s
8972:	learn: 23.7718622	total: 31s	remaining: 3.55s
8973:	learn: 23.7694252	total: 31s	remaining: 3.54s
8974:	learn: 23.7677520	total: 31s	remaining: 3.54s
8975:	learn: 23.7651635	total: 31s	remaining: 3.54s
8976:	learn: 23.7642901	total: 31s	remaining: 3.53s
8977:	learn: 23.7603524	total: 31s	remaining: 3.53s
8978:	learn: 23.7579177	total: 31s	remaining: 3.52s
8979:	learn: 23.7551940	total: 31s	remaining: 3.52s
8980:	learn: 23.7534239	total: 31s	remaining: 3.52s
8981:	learn: 23.7519634	total: 31s	remaining: 3.52s
8982:	learn: 23.7506474	total: 31s	remaining: 3.51s
8983:	learn: 23.7499837	total: 31s	remaining: 3.51s
8984:	learn: 23.7489590	total: 31s	remaining: 3.5s
8985:	learn: 23.7464991	total: 31s	remaining: 3.5s
8986:	learn: 23.7437544	total: 31s	remaining: 3.5s
8987:	learn: 23.7420373	total: 31s	remaining: 3.49s
8988:	learn: 23.7411399	total: 31s	remaining: 3.49s
8989:	learn: 23.7397601	total: 31s	remaining: 3.49s
8990:	learn: 23.7388146	total: 31s	remaining: 3.48s
8991:	learn: 23.7372554	total: 31.1s	remaining: 3.48s
8992:	learn: 23.7362015	total: 31.1s	remaining: 3.48s
8993:	learn: 23.7358571	total: 31.1s	remaining: 3.47s
8994:	learn: 23.7344965	total: 31.1s	remaining: 3.47s
8995:	learn: 23.7329415	total: 31.1s	remaining: 3.47s
8996:	learn: 23.7316844	total: 31.1s	remaining: 3.46s
8997:	learn: 23.7297347	total: 31.1s	remaining: 3.46s
8998:	learn: 23.7271238	total: 31.1s	remaining: 3.46s
8999:	learn: 23.7259515	total: 31.1s	remaining: 3.45s
9000:	learn: 23.7231055	total: 31.1s	remaining: 3.45s
9001:	learn: 23.7212202	total: 31.1s	remaining: 3.45s
9002:	learn: 23.7201353	total: 31.1s	remaining: 3.44s
9003:	learn: 23.7188879	total: 31.1s	remaining: 3.44s
9004:	learn: 23.7170292	total: 31.1s	remaining: 3.44s
9005:	learn: 23.7150650	total: 31.1s	remaining: 3.43s
9006:	learn: 23.7123548	total: 31.1s	remaining: 3.43s
9007:	learn: 23.7112313	total: 31.1s	remaining: 3.43s
9008:	learn: 23.7087778	total: 31.1s	remaining: 3.42s
9009:	learn: 23.7072287	total: 31.1s	remaining: 3.42s
9010:	learn: 23.7060845	total: 31.1s	remaining: 3.42s
9011:	learn: 23.7042691	total: 31.1s	remaining: 3.41s
9012:	learn: 23.7021919	total: 31.1s	remaining: 3.41s
9013:	learn: 23.7011836	total: 31.1s	remaining: 3.4s
9014:	learn: 23.6995004	total: 31.1s	remaining: 3.4s
9015:	learn: 23.6988434	total: 31.1s	remaining: 3.4s
9016:	learn: 23.6978485	total: 31.1s	remaining: 3.4s
9017:	learn: 23.6961825	total: 31.1s	remaining: 3.39s
9018:	learn: 23.6947403	total: 31.2s	remaining: 3.39s
9019:	learn: 23.6934604	total: 31.2s	remaining: 3.38s
9020:	learn: 23.6921476	total: 31.2s	remaining: 3.38s
9021:	learn: 23.6905784	total: 31.2s	remaining: 3.38s
9022:	learn: 23.6883855	total: 31.2s	remaining: 3.37s
9023:	learn: 23.6866904	total: 31.2s	remaining: 3.37s
9024:	learn: 23.6851800	total: 31.2s	remaining: 3.37s
9025:	learn: 23.6843529	total: 31.2s	remaining: 3.36s
9026:	learn: 23.6832558	total: 31.2s	remaining: 3.36s
9027:	learn: 23.6814665	total: 31.2s	remaining: 3.36s

9028:	learn: 23.6797048	total: 31.2s	remaining: 3.35s
9029:	learn: 23.6778496	total: 31.2s	remaining: 3.35s
9030:	learn: 23.6760537	total: 31.2s	remaining: 3.35s
9031:	learn: 23.6753518	total: 31.2s	remaining: 3.34s
9032:	learn: 23.6737153	total: 31.2s	remaining: 3.34s
9033:	learn: 23.6717749	total: 31.2s	remaining: 3.34s
9034:	learn: 23.6703724	total: 31.2s	remaining: 3.33s
9035:	learn: 23.6697798	total: 31.2s	remaining: 3.33s
9036:	learn: 23.6687543	total: 31.2s	remaining: 3.33s
9037:	learn: 23.6674457	total: 31.2s	remaining: 3.32s
9038:	learn: 23.6650762	total: 31.2s	remaining: 3.32s
9039:	learn: 23.6635069	total: 31.2s	remaining: 3.31s
9040:	learn: 23.6630956	total: 31.2s	remaining: 3.31s
9041:	learn: 23.6616593	total: 31.2s	remaining: 3.31s
9042:	learn: 23.6590200	total: 31.2s	remaining: 3.31s
9043:	learn: 23.6568651	total: 31.2s	remaining: 3.3s
9044:	learn: 23.6538538	total: 31.2s	remaining: 3.3s
9045:	learn: 23.6527870	total: 31.2s	remaining: 3.29s
9046:	learn: 23.6517091	total: 31.2s	remaining: 3.29s
9047:	learn: 23.6502097	total: 31.3s	remaining: 3.29s
9048:	learn: 23.6484649	total: 31.3s	remaining: 3.28s
9049:	learn: 23.6471510	total: 31.3s	remaining: 3.28s
9050:	learn: 23.6463536	total: 31.3s	remaining: 3.28s
9051:	learn: 23.6447342	total: 31.3s	remaining: 3.27s
9052:	learn: 23.6439852	total: 31.3s	remaining: 3.27s
9053:	learn: 23.6424245	total: 31.3s	remaining: 3.27s
9054:	learn: 23.6402644	total: 31.3s	remaining: 3.26s
9055:	learn: 23.6384665	total: 31.3s	remaining: 3.26s
9056:	learn: 23.6376991	total: 31.3s	remaining: 3.26s
9057:	learn: 23.6358452	total: 31.3s	remaining: 3.25s
9058:	learn: 23.6341182	total: 31.3s	remaining: 3.25s
9059:	learn: 23.6331939	total: 31.3s	remaining: 3.25s
9060:	learn: 23.6315839	total: 31.3s	remaining: 3.24s
9061:	learn: 23.6292350	total: 31.3s	remaining: 3.24s
9062:	learn: 23.6275183	total: 31.3s	remaining: 3.24s
9063:	learn: 23.6259075	total: 31.3s	remaining: 3.23s
9064:	learn: 23.6225798	total: 31.3s	remaining: 3.23s
9065:	learn: 23.6213696	total: 31.3s	remaining: 3.23s
9066:	learn: 23.6190810	total: 31.3s	remaining: 3.22s
9067:	learn: 23.6173053	total: 31.3s	remaining: 3.22s
9068:	learn: 23.6149927	total: 31.3s	remaining: 3.21s
9069:	learn: 23.6144076	total: 31.3s	remaining: 3.21s
9070:	learn: 23.6127726	total: 31.3s	remaining: 3.21s
9071:	learn: 23.6081263	total: 31.3s	remaining: 3.21s
9072:	learn: 23.6076261	total: 31.3s	remaining: 3.2s
9073:	learn: 23.6069377	total: 31.3s	remaining: 3.2s
9074:	learn: 23.6045394	total: 31.3s	remaining: 3.19s
9075:	learn: 23.6033881	total: 31.3s	remaining: 3.19s
9076:	learn: 23.6015999	total: 31.4s	remaining: 3.19s
9077:	learn: 23.6007696	total: 31.4s	remaining: 3.18s
9078:	learn: 23.5994663	total: 31.4s	remaining: 3.18s
9079:	learn: 23.5982411	total: 31.4s	remaining: 3.18s
9080:	learn: 23.5963806	total: 31.4s	remaining: 3.17s
9081:	learn: 23.5944172	total: 31.4s	remaining: 3.17s
9082:	learn: 23.5931549	total: 31.4s	remaining: 3.17s
9083:	learn: 23.5925777	total: 31.4s	remaining: 3.16s
9084:	learn: 23.5912687	total: 31.4s	remaining: 3.16s
9085:	learn: 23.5909375	total: 31.4s	remaining: 3.16s
9086:	learn: 23.5895944	total: 31.4s	remaining: 3.15s
9087:	learn: 23.5887974	total: 31.4s	remaining: 3.15s
9088:	learn: 23.5860608	total: 31.4s	remaining: 3.15s
9089:	learn: 23.5853294	total: 31.4s	remaining: 3.14s
9090:	learn: 23.5839834	total: 31.4s	remaining: 3.14s
9091:	learn: 23.5813449	total: 31.4s	remaining: 3.14s
9092:	learn: 23.5791764	total: 31.4s	remaining: 3.13s
9093:	learn: 23.5780764	total: 31.4s	remaining: 3.13s
9094:	learn: 23.5756749	total: 31.4s	remaining: 3.13s
9095:	learn: 23.5742696	total: 31.4s	remaining: 3.12s
9096:	learn: 23.5738465	total: 31.4s	remaining: 3.12s
9097:	learn: 23.5717292	total: 31.4s	remaining: 3.12s
9098:	learn: 23.5698307	total: 31.4s	remaining: 3.11s
9099:	learn: 23.5674521	total: 31.4s	remaining: 3.11s
9100:	learn: 23.5639826	total: 31.4s	remaining: 3.1s
9101:	learn: 23.5633009	total: 31.4s	remaining: 3.1s

9102:	learn: 23.5611140	total: 31.4s	remaining: 3.1s
9103:	learn: 23.5569209	total: 31.4s	remaining: 3.09s
9104:	learn: 23.5556908	total: 31.4s	remaining: 3.09s
9105:	learn: 23.5547319	total: 31.4s	remaining: 3.09s
9106:	learn: 23.5543543	total: 31.5s	remaining: 3.08s
9107:	learn: 23.5538168	total: 31.5s	remaining: 3.08s
9108:	learn: 23.5522915	total: 31.5s	remaining: 3.08s
9109:	learn: 23.5490935	total: 31.5s	remaining: 3.07s
9110:	learn: 23.5488161	total: 31.5s	remaining: 3.07s
9111:	learn: 23.5472482	total: 31.5s	remaining: 3.07s
9112:	learn: 23.5459148	total: 31.5s	remaining: 3.06s
9113:	learn: 23.5438004	total: 31.5s	remaining: 3.06s
9114:	learn: 23.5425832	total: 31.5s	remaining: 3.06s
9115:	learn: 23.5410600	total: 31.5s	remaining: 3.05s
9116:	learn: 23.5390331	total: 31.5s	remaining: 3.05s
9117:	learn: 23.5379846	total: 31.5s	remaining: 3.05s
9118:	learn: 23.5369436	total: 31.5s	remaining: 3.04s
9119:	learn: 23.5357091	total: 31.5s	remaining: 3.04s
9120:	learn: 23.5338627	total: 31.5s	remaining: 3.04s
9121:	learn: 23.5329177	total: 31.5s	remaining: 3.03s
9122:	learn: 23.5317128	total: 31.5s	remaining: 3.03s
9123:	learn: 23.5300452	total: 31.5s	remaining: 3.02s
9124:	learn: 23.5281026	total: 31.5s	remaining: 3.02s
9125:	learn: 23.5261735	total: 31.5s	remaining: 3.02s
9126:	learn: 23.5251169	total: 31.5s	remaining: 3.02s
9127:	learn: 23.5237816	total: 31.5s	remaining: 3.01s
9128:	learn: 23.5216614	total: 31.5s	remaining: 3.01s
9129:	learn: 23.5205926	total: 31.5s	remaining: 3s
9130:	learn: 23.5165297	total: 31.5s	remaining: 3s
9131:	learn: 23.5136067	total: 31.5s	remaining: 3s
9132:	learn: 23.5124009	total: 31.5s	remaining: 2.99s
9133:	learn: 23.5092855	total: 31.5s	remaining: 2.99s
9134:	learn: 23.5066473	total: 31.5s	remaining: 2.99s
9135:	learn: 23.5043580	total: 31.6s	remaining: 2.98s
9136:	learn: 23.5037603	total: 31.6s	remaining: 2.98s
9137:	learn: 23.5027981	total: 31.6s	remaining: 2.98s
9138:	learn: 23.5010078	total: 31.6s	remaining: 2.97s
9139:	learn: 23.5009990	total: 31.6s	remaining: 2.97s
9140:	learn: 23.4987556	total: 31.6s	remaining: 2.97s
9141:	learn: 23.4969049	total: 31.6s	remaining: 2.96s
9142:	learn: 23.4968953	total: 31.6s	remaining: 2.96s
9143:	learn: 23.4951459	total: 31.6s	remaining: 2.96s
9144:	learn: 23.4941815	total: 31.6s	remaining: 2.95s
9145:	learn: 23.4920099	total: 31.6s	remaining: 2.95s
9146:	learn: 23.4908671	total: 31.6s	remaining: 2.94s
9147:	learn: 23.4886306	total: 31.6s	remaining: 2.94s
9148:	learn: 23.4882476	total: 31.6s	remaining: 2.94s
9149:	learn: 23.4863747	total: 31.6s	remaining: 2.94s
9150:	learn: 23.4851267	total: 31.6s	remaining: 2.93s
9151:	learn: 23.4832211	total: 31.6s	remaining: 2.93s
9152:	learn: 23.4827349	total: 31.6s	remaining: 2.92s
9153:	learn: 23.4802842	total: 31.6s	remaining: 2.92s
9154:	learn: 23.4793680	total: 31.6s	remaining: 2.92s
9155:	learn: 23.4788400	total: 31.6s	remaining: 2.91s
9156:	learn: 23.4778067	total: 31.6s	remaining: 2.91s
9157:	learn: 23.4761975	total: 31.6s	remaining: 2.91s
9158:	learn: 23.4744247	total: 31.6s	remaining: 2.9s
9159:	learn: 23.4736372	total: 31.6s	remaining: 2.9s
9160:	learn: 23.4723922	total: 31.6s	remaining: 2.9s
9161:	learn: 23.4717898	total: 31.6s	remaining: 2.89s
9162:	learn: 23.4704537	total: 31.6s	remaining: 2.89s
9163:	learn: 23.4688384	total: 31.6s	remaining: 2.89s
9164:	learn: 23.4672694	total: 31.6s	remaining: 2.88s
9165:	learn: 23.4663572	total: 31.7s	remaining: 2.88s
9166:	learn: 23.4634782	total: 31.7s	remaining: 2.88s
9167:	learn: 23.4623975	total: 31.7s	remaining: 2.87s
9168:	learn: 23.4607866	total: 31.7s	remaining: 2.87s
9169:	learn: 23.4589281	total: 31.7s	remaining: 2.87s
9170:	learn: 23.4588511	total: 31.7s	remaining: 2.86s
9171:	learn: 23.4567064	total: 31.7s	remaining: 2.86s
9172:	learn: 23.4543102	total: 31.7s	remaining: 2.85s
9173:	learn: 23.4530102	total: 31.7s	remaining: 2.85s
9174:	learn: 23.4518839	total: 31.7s	remaining: 2.85s
9175:	learn: 23.4499252	total: 31.7s	remaining: 2.85s

9176: learn: 23.4487607 total: 31.7s remaining: 2.84s
9177: learn: 23.4484060 total: 31.7s remaining: 2.84s
9178: learn: 23.4475761 total: 31.7s remaining: 2.83s
9179: learn: 23.4458942 total: 31.7s remaining: 2.83s
9180: learn: 23.4435269 total: 31.7s remaining: 2.83s
9181: learn: 23.4416692 total: 31.7s remaining: 2.82s
9182: learn: 23.4403465 total: 31.7s remaining: 2.82s
9183: learn: 23.4393062 total: 31.7s remaining: 2.82s
9184: learn: 23.4384982 total: 31.7s remaining: 2.81s
9185: learn: 23.4370990 total: 31.7s remaining: 2.81s
9186: learn: 23.4351466 total: 31.7s remaining: 2.81s
9187: learn: 23.4338551 total: 31.7s remaining: 2.8s
9188: learn: 23.4313848 total: 31.7s remaining: 2.8s
9189: learn: 23.4292430 total: 31.7s remaining: 2.8s
9190: learn: 23.4261205 total: 31.7s remaining: 2.79s
9191: learn: 23.4246314 total: 31.7s remaining: 2.79s
9192: learn: 23.4235682 total: 31.7s remaining: 2.79s
9193: learn: 23.4226454 total: 31.7s remaining: 2.78s
9194: learn: 23.4218213 total: 31.7s remaining: 2.78s
9195: learn: 23.4210382 total: 31.8s remaining: 2.77s
9196: learn: 23.4192543 total: 31.8s remaining: 2.77s
9197: learn: 23.4166097 total: 31.8s remaining: 2.77s
9198: learn: 23.4152517 total: 31.8s remaining: 2.77s
9199: learn: 23.4132615 total: 31.8s remaining: 2.76s
9200: learn: 23.4115244 total: 31.8s remaining: 2.76s
9201: learn: 23.4108884 total: 31.8s remaining: 2.75s
9202: learn: 23.4085782 total: 31.8s remaining: 2.75s
9203: learn: 23.4058258 total: 31.8s remaining: 2.75s
9204: learn: 23.4050438 total: 31.8s remaining: 2.74s
9205: learn: 23.4034265 total: 31.8s remaining: 2.74s
9206: learn: 23.4028693 total: 31.8s remaining: 2.74s
9207: learn: 23.4018559 total: 31.8s remaining: 2.73s
9208: learn: 23.4015237 total: 31.8s remaining: 2.73s
9209: learn: 23.3998804 total: 31.8s remaining: 2.73s
9210: learn: 23.3986110 total: 31.8s remaining: 2.72s
9211: learn: 23.3972258 total: 31.8s remaining: 2.72s
9212: learn: 23.3940020 total: 31.8s remaining: 2.72s
9213: learn: 23.3931568 total: 31.8s remaining: 2.71s
9214: learn: 23.3910933 total: 31.8s remaining: 2.71s
9215: learn: 23.3888974 total: 31.8s remaining: 2.71s
9216: learn: 23.3880195 total: 31.8s remaining: 2.7s
9217: learn: 23.3860358 total: 31.8s remaining: 2.7s
9218: learn: 23.3844110 total: 31.8s remaining: 2.7s
9219: learn: 23.3827052 total: 31.8s remaining: 2.69s
9220: learn: 23.3815367 total: 31.8s remaining: 2.69s
9221: learn: 23.3806058 total: 31.8s remaining: 2.69s
9222: learn: 23.3779035 total: 31.8s remaining: 2.68s
9223: learn: 23.3770169 total: 31.8s remaining: 2.68s
9224: learn: 23.3761919 total: 31.8s remaining: 2.67s
9225: learn: 23.3752546 total: 31.9s remaining: 2.67s
9226: learn: 23.3735430 total: 31.9s remaining: 2.67s
9227: learn: 23.3712665 total: 31.9s remaining: 2.67s
9228: learn: 23.3705904 total: 31.9s remaining: 2.66s
9229: learn: 23.3697978 total: 31.9s remaining: 2.66s
9230: learn: 23.3682327 total: 31.9s remaining: 2.65s
9231: learn: 23.3676847 total: 31.9s remaining: 2.65s
9232: learn: 23.3651630 total: 31.9s remaining: 2.65s
9233: learn: 23.3646457 total: 31.9s remaining: 2.64s
9234: learn: 23.3639792 total: 31.9s remaining: 2.64s
9235: learn: 23.3622325 total: 31.9s remaining: 2.64s
9236: learn: 23.3607008 total: 31.9s remaining: 2.63s
9237: learn: 23.3584611 total: 31.9s remaining: 2.63s
9238: learn: 23.3571402 total: 31.9s remaining: 2.63s
9239: learn: 23.3536350 total: 31.9s remaining: 2.62s
9240: learn: 23.3506305 total: 31.9s remaining: 2.62s
9241: learn: 23.3495737 total: 31.9s remaining: 2.62s
9242: learn: 23.3478771 total: 31.9s remaining: 2.61s
9243: learn: 23.3453168 total: 31.9s remaining: 2.61s
9244: learn: 23.3425794 total: 31.9s remaining: 2.61s
9245: learn: 23.3415907 total: 31.9s remaining: 2.6s
9246: learn: 23.3399294 total: 31.9s remaining: 2.6s
9247: learn: 23.3387315 total: 31.9s remaining: 2.6s
9248: learn: 23.3373843 total: 31.9s remaining: 2.59s
9249: learn: 23.3351075 total: 31.9s remaining: 2.59s

9250:	learn: 23.3321991	total: 31.9s	remaining: 2.58s
9251:	learn: 23.3309999	total: 31.9s	remaining: 2.58s
9252:	learn: 23.3299884	total: 31.9s	remaining: 2.58s
9253:	learn: 23.3292699	total: 31.9s	remaining: 2.58s
9254:	learn: 23.3272549	total: 31.9s	remaining: 2.57s
9255:	learn: 23.3265824	total: 31.9s	remaining: 2.57s
9256:	learn: 23.3257606	total: 32s	remaining: 2.56s
9257:	learn: 23.3241347	total: 32s	remaining: 2.56s
9258:	learn: 23.3219485	total: 32s	remaining: 2.56s
9259:	learn: 23.3219283	total: 32s	remaining: 2.55s
9260:	learn: 23.3201849	total: 32s	remaining: 2.55s
9261:	learn: 23.3193021	total: 32s	remaining: 2.55s
9262:	learn: 23.3180313	total: 32s	remaining: 2.54s
9263:	learn: 23.3179091	total: 32s	remaining: 2.54s
9264:	learn: 23.3164669	total: 32s	remaining: 2.54s
9265:	learn: 23.3151124	total: 32s	remaining: 2.53s
9266:	learn: 23.3119446	total: 32s	remaining: 2.53s
9267:	learn: 23.3110949	total: 32s	remaining: 2.53s
9268:	learn: 23.3098984	total: 32s	remaining: 2.52s
9269:	learn: 23.3091734	total: 32s	remaining: 2.52s
9270:	learn: 23.3081342	total: 32s	remaining: 2.52s
9271:	learn: 23.3062110	total: 32s	remaining: 2.51s
9272:	learn: 23.3052187	total: 32s	remaining: 2.51s
9273:	learn: 23.3043170	total: 32s	remaining: 2.5s
9274:	learn: 23.3010093	total: 32s	remaining: 2.5s
9275:	learn: 23.2996356	total: 32s	remaining: 2.5s
9276:	learn: 23.2975281	total: 32s	remaining: 2.5s
9277:	learn: 23.2974434	total: 32s	remaining: 2.49s
9278:	learn: 23.2959517	total: 32s	remaining: 2.49s
9279:	learn: 23.2954079	total: 32s	remaining: 2.48s
9280:	learn: 23.2941952	total: 32s	remaining: 2.48s
9281:	learn: 23.2930942	total: 32s	remaining: 2.48s
9282:	learn: 23.2900777	total: 32s	remaining: 2.47s
9283:	learn: 23.2885539	total: 32s	remaining: 2.47s
9284:	learn: 23.2867929	total: 32s	remaining: 2.47s
9285:	learn: 23.2855369	total: 32s	remaining: 2.46s
9286:	learn: 23.2846062	total: 32.1s	remaining: 2.46s
9287:	learn: 23.2838042	total: 32.1s	remaining: 2.46s
9288:	learn: 23.2810020	total: 32.1s	remaining: 2.45s
9289:	learn: 23.2787084	total: 32.1s	remaining: 2.45s
9290:	learn: 23.2771427	total: 32.1s	remaining: 2.45s
9291:	learn: 23.2760043	total: 32.1s	remaining: 2.44s
9292:	learn: 23.2753320	total: 32.1s	remaining: 2.44s
9293:	learn: 23.2731279	total: 32.1s	remaining: 2.44s
9294:	learn: 23.2715951	total: 32.1s	remaining: 2.43s
9295:	learn: 23.2702409	total: 32.1s	remaining: 2.43s
9296:	learn: 23.2685288	total: 32.1s	remaining: 2.43s
9297:	learn: 23.2664075	total: 32.1s	remaining: 2.42s
9298:	learn: 23.2649560	total: 32.1s	remaining: 2.42s
9299:	learn: 23.2630271	total: 32.1s	remaining: 2.42s
9300:	learn: 23.2611455	total: 32.1s	remaining: 2.41s
9301:	learn: 23.2610269	total: 32.1s	remaining: 2.41s
9302:	learn: 23.2598068	total: 32.1s	remaining: 2.4s
9303:	learn: 23.2585324	total: 32.1s	remaining: 2.4s
9304:	learn: 23.2556445	total: 32.1s	remaining: 2.4s
9305:	learn: 23.2545104	total: 32.1s	remaining: 2.4s
9306:	learn: 23.2537517	total: 32.1s	remaining: 2.39s
9307:	learn: 23.2520330	total: 32.1s	remaining: 2.39s
9308:	learn: 23.2515163	total: 32.1s	remaining: 2.38s
9309:	learn: 23.2507461	total: 32.1s	remaining: 2.38s
9310:	learn: 23.2493809	total: 32.1s	remaining: 2.38s
9311:	learn: 23.2486438	total: 32.1s	remaining: 2.37s
9312:	learn: 23.2474877	total: 32.1s	remaining: 2.37s
9313:	learn: 23.2451110	total: 32.1s	remaining: 2.37s
9314:	learn: 23.2430500	total: 32.1s	remaining: 2.36s
9315:	learn: 23.2419975	total: 32.1s	remaining: 2.36s
9316:	learn: 23.2395962	total: 32.2s	remaining: 2.36s
9317:	learn: 23.2385696	total: 32.2s	remaining: 2.35s
9318:	learn: 23.2385361	total: 32.2s	remaining: 2.35s
9319:	learn: 23.2362449	total: 32.2s	remaining: 2.35s
9320:	learn: 23.2355646	total: 32.2s	remaining: 2.34s
9321:	learn: 23.2332906	total: 32.2s	remaining: 2.34s
9322:	learn: 23.2318851	total: 32.2s	remaining: 2.34s
9323:	learn: 23.2304190	total: 32.2s	remaining: 2.33s

9324:	learn: 23.2291434	total: 32.2s	remaining: 2.33s
9325:	learn: 23.2279213	total: 32.2s	remaining: 2.33s
9326:	learn: 23.2253171	total: 32.2s	remaining: 2.32s
9327:	learn: 23.2246961	total: 32.2s	remaining: 2.32s
9328:	learn: 23.2237665	total: 32.2s	remaining: 2.31s
9329:	learn: 23.2216444	total: 32.2s	remaining: 2.31s
9330:	learn: 23.2199980	total: 32.2s	remaining: 2.31s
9331:	learn: 23.2178819	total: 32.2s	remaining: 2.31s
9332:	learn: 23.2170802	total: 32.2s	remaining: 2.3s
9333:	learn: 23.2157091	total: 32.2s	remaining: 2.3s
9334:	learn: 23.2146020	total: 32.2s	remaining: 2.29s
9335:	learn: 23.2124943	total: 32.2s	remaining: 2.29s
9336:	learn: 23.2102379	total: 32.2s	remaining: 2.29s
9337:	learn: 23.2090001	total: 32.2s	remaining: 2.28s
9338:	learn: 23.2060850	total: 32.2s	remaining: 2.28s
9339:	learn: 23.2038413	total: 32.2s	remaining: 2.28s
9340:	learn: 23.2033725	total: 32.2s	remaining: 2.27s
9341:	learn: 23.2018733	total: 32.2s	remaining: 2.27s
9342:	learn: 23.2017889	total: 32.2s	remaining: 2.27s
9343:	learn: 23.2003188	total: 32.2s	remaining: 2.26s
9344:	learn: 23.1985757	total: 32.2s	remaining: 2.26s
9345:	learn: 23.1968167	total: 32.3s	remaining: 2.26s
9346:	learn: 23.1948849	total: 32.3s	remaining: 2.25s
9347:	learn: 23.1928838	total: 32.3s	remaining: 2.25s
9348:	learn: 23.1918631	total: 32.3s	remaining: 2.25s
9349:	learn: 23.1909629	total: 32.3s	remaining: 2.24s
9350:	learn: 23.1889528	total: 32.3s	remaining: 2.24s
9351:	learn: 23.1878997	total: 32.3s	remaining: 2.24s
9352:	learn: 23.1860217	total: 32.3s	remaining: 2.23s
9353:	learn: 23.1842810	total: 32.3s	remaining: 2.23s
9354:	learn: 23.1817150	total: 32.3s	remaining: 2.23s
9355:	learn: 23.1810451	total: 32.3s	remaining: 2.22s
9356:	learn: 23.1801552	total: 32.3s	remaining: 2.22s
9357:	learn: 23.1786098	total: 32.3s	remaining: 2.21s
9358:	learn: 23.1781107	total: 32.3s	remaining: 2.21s
9359:	learn: 23.1772956	total: 32.3s	remaining: 2.21s
9360:	learn: 23.1759927	total: 32.3s	remaining: 2.2s
9361:	learn: 23.1729649	total: 32.3s	remaining: 2.2s
9362:	learn: 23.1720721	total: 32.3s	remaining: 2.2s
9363:	learn: 23.1699887	total: 32.3s	remaining: 2.19s
9364:	learn: 23.1682493	total: 32.3s	remaining: 2.19s
9365:	learn: 23.1668230	total: 32.3s	remaining: 2.19s
9366:	learn: 23.1656701	total: 32.3s	remaining: 2.18s
9367:	learn: 23.1626513	total: 32.3s	remaining: 2.18s
9368:	learn: 23.1620730	total: 32.3s	remaining: 2.18s
9369:	learn: 23.1611671	total: 32.3s	remaining: 2.17s
9370:	learn: 23.1593380	total: 32.3s	remaining: 2.17s
9371:	learn: 23.1583473	total: 32.3s	remaining: 2.17s
9372:	learn: 23.1564862	total: 32.3s	remaining: 2.16s
9373:	learn: 23.1556858	total: 32.3s	remaining: 2.16s
9374:	learn: 23.1550105	total: 32.3s	remaining: 2.16s
9375:	learn: 23.1549981	total: 32.4s	remaining: 2.15s
9376:	learn: 23.1548655	total: 32.4s	remaining: 2.15s
9377:	learn: 23.1538109	total: 32.4s	remaining: 2.15s
9378:	learn: 23.1525369	total: 32.4s	remaining: 2.14s
9379:	learn: 23.1513336	total: 32.4s	remaining: 2.14s
9380:	learn: 23.1506111	total: 32.4s	remaining: 2.13s
9381:	learn: 23.1494898	total: 32.4s	remaining: 2.13s
9382:	learn: 23.1483479	total: 32.4s	remaining: 2.13s
9383:	learn: 23.1471053	total: 32.4s	remaining: 2.13s
9384:	learn: 23.1448619	total: 32.4s	remaining: 2.12s
9385:	learn: 23.1435421	total: 32.4s	remaining: 2.12s
9386:	learn: 23.1434043	total: 32.4s	remaining: 2.11s
9387:	learn: 23.1423267	total: 32.4s	remaining: 2.11s
9388:	learn: 23.1416745	total: 32.4s	remaining: 2.11s
9389:	learn: 23.1403488	total: 32.4s	remaining: 2.1s
9390:	learn: 23.1397438	total: 32.4s	remaining: 2.1s
9391:	learn: 23.1389138	total: 32.4s	remaining: 2.1s
9392:	learn: 23.1376236	total: 32.4s	remaining: 2.09s
9393:	learn: 23.1366677	total: 32.4s	remaining: 2.09s
9394:	learn: 23.1362063	total: 32.4s	remaining: 2.09s
9395:	learn: 23.1345801	total: 32.4s	remaining: 2.08s
9396:	learn: 23.1338157	total: 32.4s	remaining: 2.08s
9397:	learn: 23.1317667	total: 32.4s	remaining: 2.08s

9398:	learn: 23.1308131	total: 32.4s	remaining: 2.07s
9399:	learn: 23.1294269	total: 32.4s	remaining: 2.07s
9400:	learn: 23.1275576	total: 32.4s	remaining: 2.07s
9401:	learn: 23.1264490	total: 32.4s	remaining: 2.06s
9402:	learn: 23.1245996	total: 32.4s	remaining: 2.06s
9403:	learn: 23.1215836	total: 32.4s	remaining: 2.06s
9404:	learn: 23.1194765	total: 32.4s	remaining: 2.05s
9405:	learn: 23.1169577	total: 32.5s	remaining: 2.05s
9406:	learn: 23.1159853	total: 32.5s	remaining: 2.04s
9407:	learn: 23.1152368	total: 32.5s	remaining: 2.04s
9408:	learn: 23.1141760	total: 32.5s	remaining: 2.04s
9409:	learn: 23.1131085	total: 32.5s	remaining: 2.04s
9410:	learn: 23.1118557	total: 32.5s	remaining: 2.03s
9411:	learn: 23.1089176	total: 32.5s	remaining: 2.03s
9412:	learn: 23.1062353	total: 32.5s	remaining: 2.02s
9413:	learn: 23.1058221	total: 32.5s	remaining: 2.02s
9414:	learn: 23.1030850	total: 32.5s	remaining: 2.02s
9415:	learn: 23.1021466	total: 32.5s	remaining: 2.01s
9416:	learn: 23.0988384	total: 32.5s	remaining: 2.01s
9417:	learn: 23.0979260	total: 32.5s	remaining: 2.01s
9418:	learn: 23.0977459	total: 32.5s	remaining: 2s
9419:	learn: 23.0967114	total: 32.5s	remaining: 2s
9420:	learn: 23.0959461	total: 32.5s	remaining: 2s
9421:	learn: 23.0945112	total: 32.5s	remaining: 1.99s
9422:	learn: 23.0939880	total: 32.5s	remaining: 1.99s
9423:	learn: 23.0927528	total: 32.5s	remaining: 1.99s
9424:	learn: 23.0920340	total: 32.5s	remaining: 1.98s
9425:	learn: 23.0904376	total: 32.5s	remaining: 1.98s
9426:	learn: 23.0895987	total: 32.5s	remaining: 1.98s
9427:	learn: 23.0871513	total: 32.5s	remaining: 1.97s
9428:	learn: 23.0861629	total: 32.5s	remaining: 1.97s
9429:	learn: 23.0840246	total: 32.5s	remaining: 1.97s
9430:	learn: 23.0826394	total: 32.5s	remaining: 1.96s
9431:	learn: 23.0810498	total: 32.5s	remaining: 1.96s
9432:	learn: 23.0800319	total: 32.5s	remaining: 1.96s
9433:	learn: 23.0794666	total: 32.5s	remaining: 1.95s
9434:	learn: 23.0793854	total: 32.5s	remaining: 1.95s
9435:	learn: 23.0778676	total: 32.6s	remaining: 1.95s
9436:	learn: 23.0770185	total: 32.6s	remaining: 1.94s
9437:	learn: 23.0763071	total: 32.6s	remaining: 1.94s
9438:	learn: 23.0754860	total: 32.6s	remaining: 1.94s
9439:	learn: 23.0748819	total: 32.6s	remaining: 1.93s
9440:	learn: 23.0727880	total: 32.6s	remaining: 1.93s
9441:	learn: 23.0717127	total: 32.6s	remaining: 1.92s
9442:	learn: 23.0704935	total: 32.6s	remaining: 1.92s
9443:	learn: 23.0690260	total: 32.6s	remaining: 1.92s
9444:	learn: 23.0683322	total: 32.6s	remaining: 1.91s
9445:	learn: 23.0662121	total: 32.6s	remaining: 1.91s
9446:	learn: 23.0652185	total: 32.6s	remaining: 1.91s
9447:	learn: 23.0640987	total: 32.6s	remaining: 1.9s
9448:	learn: 23.0611721	total: 32.6s	remaining: 1.9s
9449:	learn: 23.0595468	total: 32.6s	remaining: 1.9s
9450:	learn: 23.0579166	total: 32.6s	remaining: 1.89s
9451:	learn: 23.0567960	total: 32.6s	remaining: 1.89s
9452:	learn: 23.0554179	total: 32.6s	remaining: 1.89s
9453:	learn: 23.0543546	total: 32.6s	remaining: 1.88s
9454:	learn: 23.0532031	total: 32.6s	remaining: 1.88s
9455:	learn: 23.0521199	total: 32.6s	remaining: 1.88s
9456:	learn: 23.0493860	total: 32.6s	remaining: 1.87s
9457:	learn: 23.0483039	total: 32.6s	remaining: 1.87s
9458:	learn: 23.0470386	total: 32.6s	remaining: 1.87s
9459:	learn: 23.0460409	total: 32.6s	remaining: 1.86s
9460:	learn: 23.0448507	total: 32.6s	remaining: 1.86s
9461:	learn: 23.0406216	total: 32.6s	remaining: 1.85s
9462:	learn: 23.0377355	total: 32.6s	remaining: 1.85s
9463:	learn: 23.0353950	total: 32.6s	remaining: 1.85s
9464:	learn: 23.0340512	total: 32.6s	remaining: 1.84s
9465:	learn: 23.0316870	total: 32.7s	remaining: 1.84s
9466:	learn: 23.0302951	total: 32.7s	remaining: 1.84s
9467:	learn: 23.0275091	total: 32.7s	remaining: 1.83s
9468:	learn: 23.0257234	total: 32.7s	remaining: 1.83s
9469:	learn: 23.0246056	total: 32.7s	remaining: 1.83s
9470:	learn: 23.0227886	total: 32.7s	remaining: 1.82s
9471:	learn: 23.0224053	total: 32.7s	remaining: 1.82s

9472: learn: 23.0216869 total: 32.7s remaining: 1.82s
9473: learn: 23.0203295 total: 32.7s remaining: 1.81s
9474: learn: 23.0185425 total: 32.7s remaining: 1.81s
9475: learn: 23.0182403 total: 32.7s remaining: 1.81s
9476: learn: 23.0171806 total: 32.7s remaining: 1.8s
9477: learn: 23.0152301 total: 32.7s remaining: 1.8s
9478: learn: 23.0133763 total: 32.7s remaining: 1.8s
9479: learn: 23.0125910 total: 32.7s remaining: 1.79s
9480: learn: 23.0103631 total: 32.7s remaining: 1.79s
9481: learn: 23.0098516 total: 32.7s remaining: 1.79s
9482: learn: 23.0081358 total: 32.7s remaining: 1.78s
9483: learn: 23.0074030 total: 32.7s remaining: 1.78s
9484: learn: 23.0063980 total: 32.7s remaining: 1.78s
9485: learn: 23.0031910 total: 32.7s remaining: 1.77s
9486: learn: 23.0017534 total: 32.7s remaining: 1.77s
9487: learn: 22.9992992 total: 32.7s remaining: 1.76s
9488: learn: 22.9985017 total: 32.7s remaining: 1.76s
9489: learn: 22.9978390 total: 32.7s remaining: 1.76s
9490: learn: 22.9973426 total: 32.7s remaining: 1.75s
9491: learn: 22.9952944 total: 32.7s remaining: 1.75s
9492: learn: 22.9947551 total: 32.7s remaining: 1.75s
9493: learn: 22.9938912 total: 32.7s remaining: 1.75s
9494: learn: 22.9924998 total: 32.7s remaining: 1.74s
9495: learn: 22.9912093 total: 32.8s remaining: 1.74s
9496: learn: 22.9896444 total: 32.8s remaining: 1.73s
9497: learn: 22.9868354 total: 32.8s remaining: 1.73s
9498: learn: 22.9860367 total: 32.8s remaining: 1.73s
9499: learn: 22.9845552 total: 32.8s remaining: 1.72s
9500: learn: 22.9827708 total: 32.8s remaining: 1.72s
9501: learn: 22.9815612 total: 32.8s remaining: 1.72s
9502: learn: 22.9805029 total: 32.8s remaining: 1.71s
9503: learn: 22.9784541 total: 32.8s remaining: 1.71s
9504: learn: 22.9772075 total: 32.8s remaining: 1.71s
9505: learn: 22.9756374 total: 32.8s remaining: 1.7s
9506: learn: 22.9754776 total: 32.8s remaining: 1.7s
9507: learn: 22.9732795 total: 32.8s remaining: 1.7s
9508: learn: 22.9712110 total: 32.8s remaining: 1.69s
9509: learn: 22.9690701 total: 32.8s remaining: 1.69s
9510: learn: 22.9660226 total: 32.8s remaining: 1.69s
9511: learn: 22.9646696 total: 32.8s remaining: 1.68s
9512: learn: 22.9628565 total: 32.8s remaining: 1.68s
9513: learn: 22.9621924 total: 32.8s remaining: 1.68s
9514: learn: 22.9613525 total: 32.8s remaining: 1.67s
9515: learn: 22.9599617 total: 32.8s remaining: 1.67s
9516: learn: 22.9586792 total: 32.8s remaining: 1.67s
9517: learn: 22.9572204 total: 32.8s remaining: 1.66s
9518: learn: 22.9557626 total: 32.8s remaining: 1.66s
9519: learn: 22.9534136 total: 32.8s remaining: 1.66s
9520: learn: 22.9533175 total: 32.8s remaining: 1.65s
9521: learn: 22.9512337 total: 32.8s remaining: 1.65s
9522: learn: 22.9504334 total: 32.8s remaining: 1.64s
9523: learn: 22.9487959 total: 32.8s remaining: 1.64s
9524: learn: 22.9476462 total: 32.8s remaining: 1.64s
9525: learn: 22.9463183 total: 32.9s remaining: 1.63s
9526: learn: 22.9463077 total: 32.9s remaining: 1.63s
9527: learn: 22.9455747 total: 32.9s remaining: 1.63s
9528: learn: 22.9455667 total: 32.9s remaining: 1.62s
9529: learn: 22.9442671 total: 32.9s remaining: 1.62s
9530: learn: 22.9425810 total: 32.9s remaining: 1.62s
9531: learn: 22.9401723 total: 32.9s remaining: 1.61s
9532: learn: 22.9388510 total: 32.9s remaining: 1.61s
9533: learn: 22.9384662 total: 32.9s remaining: 1.61s
9534: learn: 22.9376519 total: 32.9s remaining: 1.6s
9535: learn: 22.9355442 total: 32.9s remaining: 1.6s
9536: learn: 22.9343291 total: 32.9s remaining: 1.6s
9537: learn: 22.9320967 total: 32.9s remaining: 1.59s
9538: learn: 22.9305245 total: 32.9s remaining: 1.59s
9539: learn: 22.9289251 total: 32.9s remaining: 1.59s
9540: learn: 22.9282045 total: 32.9s remaining: 1.58s
9541: learn: 22.9276564 total: 32.9s remaining: 1.58s
9542: learn: 22.9252739 total: 32.9s remaining: 1.57s
9543: learn: 22.9252164 total: 32.9s remaining: 1.57s
9544: learn: 22.9244011 total: 32.9s remaining: 1.57s
9545: learn: 22.9223839 total: 32.9s remaining: 1.56s

9546:	learn: 22.9211950	total: 32.9s	remaining: 1.56s
9547:	learn: 22.9205453	total: 32.9s	remaining: 1.56s
9548:	learn: 22.9195102	total: 32.9s	remaining: 1.55s
9549:	learn: 22.9186485	total: 32.9s	remaining: 1.55s
9550:	learn: 22.9173593	total: 32.9s	remaining: 1.55s
9551:	learn: 22.9161025	total: 32.9s	remaining: 1.54s
9552:	learn: 22.9131121	total: 32.9s	remaining: 1.54s
9553:	learn: 22.9111960	total: 32.9s	remaining: 1.54s
9554:	learn: 22.9090658	total: 32.9s	remaining: 1.53s
9555:	learn: 22.9080181	total: 32.9s	remaining: 1.53s
9556:	learn: 22.9062312	total: 33s	remaining: 1.53s
9557:	learn: 22.9061630	total: 33s	remaining: 1.52s
9558:	learn: 22.9053508	total: 33s	remaining: 1.52s
9559:	learn: 22.9043950	total: 33s	remaining: 1.52s
9560:	learn: 22.9037122	total: 33s	remaining: 1.51s
9561:	learn: 22.9022012	total: 33s	remaining: 1.51s
9562:	learn: 22.9002786	total: 33s	remaining: 1.51s
9563:	learn: 22.8980440	total: 33s	remaining: 1.5s
9564:	learn: 22.8980016	total: 33s	remaining: 1.5s
9565:	learn: 22.8960739	total: 33s	remaining: 1.5s
9566:	learn: 22.8951649	total: 33s	remaining: 1.49s
9567:	learn: 22.8935754	total: 33s	remaining: 1.49s
9568:	learn: 22.8935657	total: 33s	remaining: 1.49s
9569:	learn: 22.8924860	total: 33s	remaining: 1.48s
9570:	learn: 22.8913301	total: 33s	remaining: 1.48s
9571:	learn: 22.8903967	total: 33s	remaining: 1.48s
9572:	learn: 22.8878292	total: 33s	remaining: 1.47s
9573:	learn: 22.8871542	total: 33s	remaining: 1.47s
9574:	learn: 22.8847276	total: 33s	remaining: 1.47s
9575:	learn: 22.8837672	total: 33s	remaining: 1.46s
9576:	learn: 22.8824928	total: 33s	remaining: 1.46s
9577:	learn: 22.8819341	total: 33s	remaining: 1.45s
9578:	learn: 22.8803810	total: 33s	remaining: 1.45s
9579:	learn: 22.8797964	total: 33s	remaining: 1.45s
9580:	learn: 22.8793046	total: 33s	remaining: 1.44s
9581:	learn: 22.8774355	total: 33s	remaining: 1.44s
9582:	learn: 22.8757150	total: 33s	remaining: 1.44s
9583:	learn: 22.8748275	total: 33s	remaining: 1.43s
9584:	learn: 22.8747176	total: 33s	remaining: 1.43s
9585:	learn: 22.8730246	total: 33s	remaining: 1.43s
9586:	learn: 22.8711289	total: 33s	remaining: 1.42s
9587:	learn: 22.8696586	total: 33.1s	remaining: 1.42s
9588:	learn: 22.8691297	total: 33.1s	remaining: 1.42s
9589:	learn: 22.8683085	total: 33.1s	remaining: 1.41s
9590:	learn: 22.8666666	total: 33.1s	remaining: 1.41s
9591:	learn: 22.8636932	total: 33.1s	remaining: 1.41s
9592:	learn: 22.8611305	total: 33.1s	remaining: 1.4s
9593:	learn: 22.8604702	total: 33.1s	remaining: 1.4s
9594:	learn: 22.8577669	total: 33.1s	remaining: 1.4s
9595:	learn: 22.8558102	total: 33.1s	remaining: 1.39s
9596:	learn: 22.8524585	total: 33.1s	remaining: 1.39s
9597:	learn: 22.8518796	total: 33.1s	remaining: 1.39s
9598:	learn: 22.8503821	total: 33.1s	remaining: 1.38s
9599:	learn: 22.8490733	total: 33.1s	remaining: 1.38s
9600:	learn: 22.8483805	total: 33.1s	remaining: 1.38s
9601:	learn: 22.8470227	total: 33.1s	remaining: 1.37s
9602:	learn: 22.8457932	total: 33.1s	remaining: 1.37s
9603:	learn: 22.8448290	total: 33.1s	remaining: 1.36s
9604:	learn: 22.8441635	total: 33.1s	remaining: 1.36s
9605:	learn: 22.8429710	total: 33.1s	remaining: 1.36s
9606:	learn: 22.8404496	total: 33.1s	remaining: 1.35s
9607:	learn: 22.8384801	total: 33.1s	remaining: 1.35s
9608:	learn: 22.8371681	total: 33.1s	remaining: 1.35s
9609:	learn: 22.8357305	total: 33.1s	remaining: 1.34s
9610:	learn: 22.8331380	total: 33.1s	remaining: 1.34s
9611:	learn: 22.8317261	total: 33.1s	remaining: 1.34s
9612:	learn: 22.8305269	total: 33.1s	remaining: 1.33s
9613:	learn: 22.8297957	total: 33.1s	remaining: 1.33s
9614:	learn: 22.8277555	total: 33.1s	remaining: 1.33s
9615:	learn: 22.8270409	total: 33.1s	remaining: 1.32s
9616:	learn: 22.8262902	total: 33.2s	remaining: 1.32s
9617:	learn: 22.8253075	total: 33.2s	remaining: 1.32s
9618:	learn: 22.8252907	total: 33.2s	remaining: 1.31s
9619:	learn: 22.8234907	total: 33.2s	remaining: 1.31s

9620:	learn: 22.8227191	total: 33.2s	remaining: 1.31s
9621:	learn: 22.8218877	total: 33.2s	remaining: 1.3s
9622:	learn: 22.8204052	total: 33.2s	remaining: 1.3s
9623:	learn: 22.8201580	total: 33.2s	remaining: 1.3s
9624:	learn: 22.8189598	total: 33.2s	remaining: 1.29s
9625:	learn: 22.8156747	total: 33.2s	remaining: 1.29s
9626:	learn: 22.8130958	total: 33.2s	remaining: 1.28s
9627:	learn: 22.8109088	total: 33.2s	remaining: 1.28s
9628:	learn: 22.8085096	total: 33.2s	remaining: 1.28s
9629:	learn: 22.8084936	total: 33.2s	remaining: 1.27s
9630:	learn: 22.8061952	total: 33.2s	remaining: 1.27s
9631:	learn: 22.8043857	total: 33.2s	remaining: 1.27s
9632:	learn: 22.8032877	total: 33.2s	remaining: 1.26s
9633:	learn: 22.8017005	total: 33.2s	remaining: 1.26s
9634:	learn: 22.7998677	total: 33.2s	remaining: 1.26s
9635:	learn: 22.7982306	total: 33.2s	remaining: 1.25s
9636:	learn: 22.7981595	total: 33.2s	remaining: 1.25s
9637:	learn: 22.7961008	total: 33.2s	remaining: 1.25s
9638:	learn: 22.7950820	total: 33.2s	remaining: 1.24s
9639:	learn: 22.7945540	total: 33.2s	remaining: 1.24s
9640:	learn: 22.7925856	total: 33.2s	remaining: 1.24s
9641:	learn: 22.7898321	total: 33.2s	remaining: 1.23s
9642:	learn: 22.7880089	total: 33.2s	remaining: 1.23s
9643:	learn: 22.7869919	total: 33.2s	remaining: 1.23s
9644:	learn: 22.7854672	total: 33.3s	remaining: 1.22s
9645:	learn: 22.7838784	total: 33.3s	remaining: 1.22s
9646:	learn: 22.7825245	total: 33.3s	remaining: 1.22s
9647:	learn: 22.7814544	total: 33.3s	remaining: 1.21s
9648:	learn: 22.7809836	total: 33.3s	remaining: 1.21s
9649:	learn: 22.7789937	total: 33.3s	remaining: 1.21s
9650:	learn: 22.7776915	total: 33.3s	remaining: 1.2s
9651:	learn: 22.7772813	total: 33.3s	remaining: 1.2s
9652:	learn: 22.7751040	total: 33.3s	remaining: 1.2s
9653:	learn: 22.7744114	total: 33.3s	remaining: 1.19s
9654:	learn: 22.7737449	total: 33.3s	remaining: 1.19s
9655:	learn: 22.7726493	total: 33.3s	remaining: 1.19s
9656:	learn: 22.7704544	total: 33.3s	remaining: 1.18s
9657:	learn: 22.7693730	total: 33.3s	remaining: 1.18s
9658:	learn: 22.7678899	total: 33.3s	remaining: 1.18s
9659:	learn: 22.7668923	total: 33.3s	remaining: 1.17s
9660:	learn: 22.7655285	total: 33.3s	remaining: 1.17s
9661:	learn: 22.7637383	total: 33.3s	remaining: 1.17s
9662:	learn: 22.7619086	total: 33.3s	remaining: 1.16s
9663:	learn: 22.7608958	total: 33.3s	remaining: 1.16s
9664:	learn: 22.7598568	total: 33.3s	remaining: 1.15s
9665:	learn: 22.7574183	total: 33.3s	remaining: 1.15s
9666:	learn: 22.7555685	total: 33.3s	remaining: 1.15s
9667:	learn: 22.7547196	total: 33.3s	remaining: 1.14s
9668:	learn: 22.7530639	total: 33.3s	remaining: 1.14s
9669:	learn: 22.7522506	total: 33.3s	remaining: 1.14s
9670:	learn: 22.7510647	total: 33.3s	remaining: 1.13s
9671:	learn: 22.7503140	total: 33.3s	remaining: 1.13s
9672:	learn: 22.7462677	total: 33.3s	remaining: 1.13s
9673:	learn: 22.7452580	total: 33.4s	remaining: 1.12s
9674:	learn: 22.7439596	total: 33.4s	remaining: 1.12s
9675:	learn: 22.7434164	total: 33.4s	remaining: 1.12s
9676:	learn: 22.7416418	total: 33.4s	remaining: 1.11s
9677:	learn: 22.7409863	total: 33.4s	remaining: 1.11s
9678:	learn: 22.7409593	total: 33.4s	remaining: 1.11s
9679:	learn: 22.7394467	total: 33.4s	remaining: 1.1s
9680:	learn: 22.7382520	total: 33.4s	remaining: 1.1s
9681:	learn: 22.7363371	total: 33.4s	remaining: 1.1s
9682:	learn: 22.7351636	total: 33.4s	remaining: 1.09s
9683:	learn: 22.7337220	total: 33.4s	remaining: 1.09s
9684:	learn: 22.7319371	total: 33.4s	remaining: 1.08s
9685:	learn: 22.7303525	total: 33.4s	remaining: 1.08s
9686:	learn: 22.7300094	total: 33.4s	remaining: 1.08s
9687:	learn: 22.7296190	total: 33.4s	remaining: 1.07s
9688:	learn: 22.7261806	total: 33.4s	remaining: 1.07s
9689:	learn: 22.7241303	total: 33.4s	remaining: 1.07s
9690:	learn: 22.7228341	total: 33.4s	remaining: 1.06s
9691:	learn: 22.7223465	total: 33.4s	remaining: 1.06s
9692:	learn: 22.7188958	total: 33.4s	remaining: 1.06s
9693:	learn: 22.7186572	total: 33.4s	remaining: 1.05s

9694: learn: 22.7168145 total: 33.4s remaining: 1.05s
9695: learn: 22.7152676 total: 33.4s remaining: 1.05s
9696: learn: 22.7131441 total: 33.4s remaining: 1.04s
9697: learn: 22.7129546 total: 33.4s remaining: 1.04s
9698: learn: 22.7113461 total: 33.4s remaining: 1.04s
9699: learn: 22.7101551 total: 33.4s remaining: 1.03s
9700: learn: 22.7086942 total: 33.4s remaining: 1.03s
9701: learn: 22.7066578 total: 33.4s remaining: 1.03s
9702: learn: 22.7054112 total: 33.4s remaining: 1.02s
9703: learn: 22.7046859 total: 33.5s remaining: 1.02s
9704: learn: 22.7039413 total: 33.5s remaining: 1.02s
9705: learn: 22.7028411 total: 33.5s remaining: 1.01s
9706: learn: 22.7009276 total: 33.5s remaining: 1.01s
9707: learn: 22.7000935 total: 33.5s remaining: 1.01s
9708: learn: 22.6985481 total: 33.5s remaining: 1s
9709: learn: 22.6972619 total: 33.5s remaining: 1000ms
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9723: learn: 22.6798195 total: 33.5s remaining: 951ms
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9737: learn: 22.6568469 total: 33.6s remaining: 903ms
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9739: learn: 22.6548161 total: 33.6s remaining: 896ms
9740: learn: 22.6539466 total: 33.6s remaining: 893ms
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9786: learn: 22.5848599 total: 33.7s remaining: 734ms
9787: learn: 22.5833457 total: 33.7s remaining: 731ms
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9877: learn: 22.4679015 total: 34s remaining: 420ms
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9880: learn: 22.4639258 total: 34s remaining: 410ms
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9882: learn: 22.4618281 total: 34s remaining: 403ms
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9943: learn: 22.3677654 total: 34.2s remaining: 193ms
9944: learn: 22.3668794 total: 34.3s remaining: 189ms
9945: learn: 22.3656208 total: 34.3s remaining: 186ms
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9949: learn: 22.3615352 total: 34.3s remaining: 172ms
9950: learn: 22.3607224 total: 34.3s remaining: 169ms
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9953: learn: 22.3548813 total: 34.3s remaining: 158ms
9954: learn: 22.3544364 total: 34.3s remaining: 155ms
9955: learn: 22.3530797 total: 34.3s remaining: 152ms
9956: learn: 22.3525941 total: 34.3s remaining: 148ms
9957: learn: 22.3518454 total: 34.3s remaining: 145ms
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9960: learn: 22.3478771 total: 34.3s remaining: 134ms
9961: learn: 22.3475535 total: 34.3s remaining: 131ms
9962: learn: 22.3461915 total: 34.3s remaining: 127ms
9963: learn: 22.3440616 total: 34.3s remaining: 124ms
9964: learn: 22.3431905 total: 34.3s remaining: 121ms
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9966: learn: 22.3414107 total: 34.3s remaining: 114ms
9967: learn: 22.3407120 total: 34.3s remaining: 110ms
9968: learn: 22.3401733 total: 34.3s remaining: 107ms
9969: learn: 22.3382420 total: 34.3s remaining: 103ms
9970: learn: 22.3362518 total: 34.3s remaining: 99.9ms
9971: learn: 22.3349382 total: 34.3s remaining: 96.4ms
9972: learn: 22.3326826 total: 34.3s remaining: 93ms
9973: learn: 22.3307091 total: 34.3s remaining: 89.5ms
9974: learn: 22.3294692 total: 34.4s remaining: 86.1ms
9975: learn: 22.3288136 total: 34.4s remaining: 82.7ms
9976: learn: 22.3268481 total: 34.4s remaining: 79.2ms
9977: learn: 22.3261061 total: 34.4s remaining: 75.8ms
9978: learn: 22.3243137 total: 34.4s remaining: 72.3ms
9979: learn: 22.3234502 total: 34.4s remaining: 68.9ms
9980: learn: 22.3215289 total: 34.4s remaining: 65.4ms
9981: learn: 22.3208609 total: 34.4s remaining: 62ms
9982: learn: 22.3201115 total: 34.4s remaining: 58.5ms
9983: learn: 22.3184375 total: 34.4s remaining: 55.1ms
9984: learn: 22.3160959 total: 34.4s remaining: 51.7ms
9985: learn: 22.3145103 total: 34.4s remaining: 48.2ms
9986: learn: 22.3138089 total: 34.4s remaining: 44.8ms
9987: learn: 22.3124580 total: 34.4s remaining: 41.3ms
9988: learn: 22.3118025 total: 34.4s remaining: 37.9ms
9989: learn: 22.3106037 total: 34.4s remaining: 34.4ms

```

9990: learn: 22.3092680      total: 34.4s  remaining: 31ms
9991: learn: 22.3082817      total: 34.4s  remaining: 27.5ms
9992: learn: 22.3076355      total: 34.4s  remaining: 24.1ms
9993: learn: 22.3056857      total: 34.4s  remaining: 20.7ms
9994: learn: 22.3048467      total: 34.4s  remaining: 17.2ms
9995: learn: 22.3033641      total: 34.4s  remaining: 13.8ms
9996: learn: 22.3019463      total: 34.4s  remaining: 10.3ms
9997: learn: 22.3008311      total: 34.4s  remaining: 6.89ms
9998: learn: 22.2981464      total: 34.4s  remaining: 3.44ms
9999: learn: 22.2962322      total: 34.4s  remaining: 0us

```

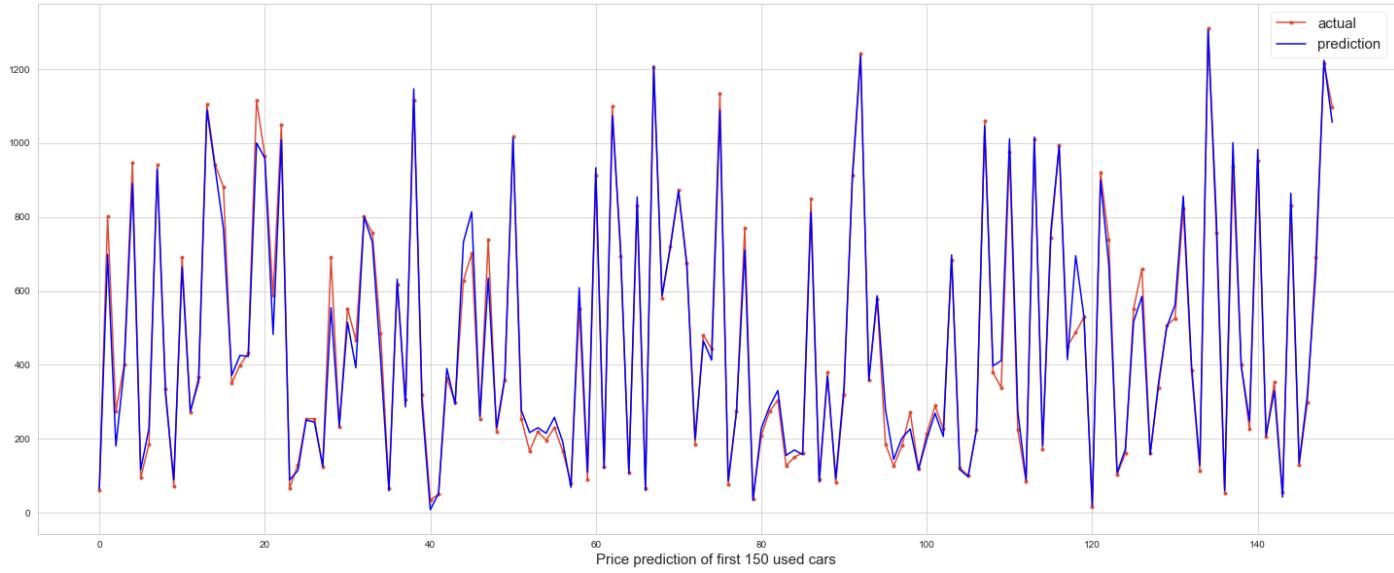
Error Table

```

Mean Absolute Error : 43.62036106829139
Mean Squared Error : 4197.212355620634
Root Mean Squared Error : 64.78589627087545
Accuracy on Traing set : 0.9959681509862669
Accuracy on Testing set : 0.9650465824431823

```

In [53]: `Graph_prediction(150, y_actual, y_predicted)`



In [54]: `compare = pd.DataFrame({'Prediction': y_predicted, 'Test Data' : y_actual, 'Abs error': abs(y_actual - y_predicted), 'AAD%': abs(y_actual - y_predicted)/y_actual*100})`
`compare.head(10)`

Out[54]:

	Prediction	Test Data	Abs error	AAD%
0	64.987943	60	4.987943	8.313238
1	698.647158	802	103.352842	12.886888
2	180.308369	274	93.691631	34.194026
3	390.045724	400	9.954276	2.488569
4	890.317846	948	57.682154	6.084615
5	116.382825	95	21.382825	22.508237
6	227.781281	186	41.781281	22.463054
7	929.365739	941	11.634261	1.236372
8	320.976607	334	13.023393	3.899220
9	89.281981	72	17.281981	24.002752

```
In [55]: model = GradientBoostingRegressor(random_state=21, n_estimators=5000)
feature1 = ['Cars', 'Location', 'Year', 'Kilometers_Driven', 'Fuel_Type', 'Transmission',
           'Owner_Type', 'Mileage', 'Engine', 'Power', 'Seats']

X0 = df_test[feature1]
X, y = Definedata()
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.25, random_state = 25)
model.fit(X_train,y_train)
y_predicted = model.predict(X0)

submission = pd.DataFrame({'Car_id':test.index,'Price':y_predicted})
submission.head(10)
```

Out[55]:

	Car_id	Price
0	0	229.220688
1	1	157.300412
2	2	933.110908
3	3	237.274792
4	4	273.766839
5	5	758.443125
6	6	1032.597871
7	7	122.656552
8	8	166.785100
9	9	751.605876

```
In [56]: #Convert DataFrame to a csv file that can be uploaded
#This is saved in the same directory as your notebook
filename = 'submission.csv'

submission.to_csv(filename,index=True)

print('Saved file: ' + filename)
```

Saved file: submission.csv

IV. CONCLUSION

As we observed in correlation matrix, the features like "Power", "Engine", "Year" places a crucial role in deciding the "Price" of car directly that means as the capacity of these features increases then "Price" also gets increase. Whereas the features like "Transmission", "Fuel_Type", "Mileage" places the important role in deciding the "Price" of car indirectly which means as the capacity of these features increases then "Price" gets decrease and vice-versa.

After careful considering of all the features, I trained and evaluated many models to predict the output accurately. Finally, I found "GradientBoostingRegressor" model is best fit for our used-car price prediction which gives best accuracy on "Training" as well as on "Testing" dataset by considering the above mentioned features.

V. FUTURE WORK

Keeping the current model as a baseline, we intend to use some advanced techniques algorithms to predict car prices as our future work. We intend to develop a fully automatic, interactive system that contains a repository of used-cars with their prices. This enables a user to know the price of a similar car using a recommendation engine, which we would work in the future.