

Saksham_Lakhera_50611360_P2_H1

November 5, 2024

```
[346]: # this is Saksham's file for ML models
import pandas as pd
import os
from typing import List, Optional, Dict
import gc
import matplotlib.pyplot as plt
import warnings
import numpy as np
from keras.callbacks import EarlyStopping
from sklearn.preprocessing import MinMaxScaler
from sklearn.model_selection import train_test_split
from sklearn.neighbors import KNeighborsClassifier
from sklearn.metrics import accuracy_score
from sklearn.metrics import f1_score
from imblearn.over_sampling import SMOTE
from sklearn.metrics import ConfusionMatrixDisplay, confusion_matrix, \
    accuracy_score, f1_score
import matplotlib.pyplot as plt
import numpy as np
import pandas as pd
import tensorflow as tf
from sklearn.model_selection import train_test_split, KFold
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import accuracy_score
from tensorflow.keras.optimizers import Adam

warnings.filterwarnings("ignore")

def read_parquet(input_dir: str, years: Optional[List[int]] = None) -> \
    Dict[int, pd.DataFrame]:
    """
    Reads Parquet files for specified years from the input directory.

    Args:
        input_dir (str): The directory where Parquet files are stored.
        years (Optional[List[int]]): A list of years to read. If None, read all \
    available years.
```

```

Returns:
    Dict[int, pd.DataFrame]: A dictionary with years as keys and pandas_
    DataFrames as values.
    """
    data_frames = {}
    available_years = [int(d.split('=')[1]) for d in os.listdir(input_dir) if d.
    startswith('year=')]
    years_to_read = years if years is not None else available_years

    for year in years_to_read:
        year_path = os.path.join(input_dir, f'year={year}')
        if os.path.exists(year_path):
            df = pd.read_parquet(year_path)
            data_frames[year] = df
        else:
            print(f"Warning: No data found for year {year}")

    return data_frames

if __name__ == "__main__":
    years = [2015, 2016, 2017, 2018, 2019]
    output_directory = "./data/DS/NSDUH"

    # Fetch and save dat
    # Initialize an empty DataFrame to hold all data
    df = pd.DataFrame()

    # Read saved data and concatenate into df
    for year in years:
        df_year = read_parquet(output_directory, [year])
        if year in df_year:
            # Concatenate the current year's DataFrame to df
            df = pd.concat([df, df_year[year]], ignore_index=True)

```

0.0.1 Hypothesis: Subtle parent-child behaviors, though seemingly insignificant, may contribute to the development of depression

Getting our data. We have done this hypothesis before as well. Our output variable is YMDELT, that tells in binary (1,2) if kid is depressed. we change this mapping of 1,2 to 0,1.

Rest all are the Features that will be used to predict YMDELT = (MAJOR depressive episode)

1. "YEPCHKHW" : 'Check kid's Homework',
2. "YEPHLPHW": 'Help kid with Homework',
3. "YO_MDEA2" : 'Kid lost interst in playing and other things'

4. “YEPCHORE” : ‘Make kids do House Chores’,
5. “YEPLMTTV” : ‘Limit kid’s TV’,
6. “YEPLMTSN” : ‘Limit kid’s Play time’,
7. “YO_MDEA1” : ‘Kids feels Discouraged in doing task”
8. “YEPGDJOB” : ‘parent say Good Job, when kid does a good job’,
9. “YEPPROUD” : ‘Parent says they are Proud of kid’,
10. “YEYARGUP” : ‘less Argue/Fight between parents and kid’,
11. “NEWRACE2” : ‘Talk About bad effects of Drugs’

```
[306]: data_frame = df.copy()
data_behaviourial = data_frame[
    (data_frame['YEPCHKHW'] >= 1) & (data_frame['YEPCHKHW'] <= 4) &
    (data_frame['YEPHLPWH'] >= 1) & (data_frame['YEPHLPWH'] <= 4) &
    (data_frame['YO_MDEA2'] >= 1) & (data_frame['YO_MDEA2'] <= 2) &
    (data_frame['YEPCHORE'] >= 1) & (data_frame['YEPCHORE'] <= 4) &
    (data_frame['YEPLMTTV'] >= 1) & (data_frame['YEPLMTTV'] <= 4) &
    (data_frame['YEPLMTSN'] >= 1) & (data_frame['YEPLMTSN'] <= 4) &
    (data_frame['YO_MDEA1'] >= 1) & (data_frame['YO_MDEA1'] <= 2) &
    (data_frame['YEPGDJOB'] >= 1) & (data_frame['YEPGDJOB'] <= 4) &
    (data_frame['YEPPROUD'] >= 1) & (data_frame['YEPPROUD'] <= 4) &
    (data_frame['YEYARGUP'] >= 1) & (data_frame['YEYARGUP'] <= 5) &
    (data_frame['NEWRACE2'] >= 1) & (data_frame['NEWRACE2'] <= 5) &
    (data_frame['YMDELTA'] >= 1) & (data_frame['YMDELTA'] <= 2) # THis is our Y_
    ↪ or Output
]
```

0.0.2 DATA CLEANING and preparation for ML models for prediction (OUTLIER Removal)

We Remove all the points or features whose combinations have an average between 0.2 to 0.8, these are outliers as they are not sure about to which class does the combination belongs and they cause unnecessary noise.

We then Scale the out features between 0 and 1. we have discrete features hence we can utilize minmax

```
[307]: result_data_behaviourial = data_behaviourial[['YEPCHKHW', 'YEPHLPWH', 'YEPCHORE', 'YEPLMTTV', 'YEPLMTSN', 'YEPGDJOB', 'YEPPROUD', 'YEYARGUP', 'NEWRACE2', 'YMDELTA', 'YO_MDEA2', 'YO_MDEA1']]

result_data_behaviourial['YMDELTA'] = result_data_behaviourial['YMDELTA'].replace({1: 0, 2: 1})

features_to_normalize = [
    'YEPCHKHW', 'YEPHLPWH', 'YEPCHORE', 'YEPLMTTV',
    'YEPLMTSN', 'YEPGDJOB', 'YEPPROUD',
    'YEYARGUP', 'NEWRACE2', 'YO_MDEA2', 'YO_MDEA1'
]
```

```

group_columns = result_data_behaviourial.columns.difference(['YMDELTA'])
#group_columns = result_data_behaviourial.columns.difference(['YMDELTA'])
grouped_stats = result_data_behaviourial.groupby(list(group_columns))['YMDELTA'].
    .agg(['count', 'mean']).reset_index()
sorted_filtered_stats = grouped_stats.sort_values(by='count', ascending=False)

sorted_filtered_stats['output'] = np.where(
    sorted_filtered_stats['mean'] <= 0.2, 0,
    np.where(sorted_filtered_stats['mean'] >= 0.8, 1, np.nan)
)
cleaned_stats = sorted_filtered_stats.dropna(subset=['output'])

scaler = MinMaxScaler()
# Scaling out features between min and max

result_data_behaviourial[features_to_normalize] = scaler.
    .fit_transform(result_data_behaviourial[features_to_normalize])

```

Balancing our dataset As our dataset is Skewed, we need to add synthetic data to balance it. For that we use SMOTE.

It generates synthetic samples for the minority class to address the imbalance, this ensures that we have more balanced dataset for training the model.

SMOTE selects data point from the minority class and finds its nearest neighbors. Then, it creates new synthetic instances by interpolating between the selected data point and the neighbors, this increases minority data points.

```

[324]: result_data_behaviourial = cleaned_stats[['YEPCHKHW', 'YEPHLPWH', 'YEPCHORE',
    ., 'YEPLMTTV', 'YEPLMTSN', 'YEPGDJOB', 'YEPPROUD', 'YEYARGUP', 'NEWRACE2',
    ., 'output', 'YO_MDEA2', 'YO_MDEA1']]

X = result_data_behaviourial.drop(columns=['output']) # input variable: X
y = result_data_behaviourial['output'] # output variable
smote = SMOTE(random_state=42)

X, y = smote.fit_resample(X, y)
# New X and y have original and synthetic data

```

0.0.3 Dividing out dataset into Train and test dataset

We divide out dataset into training set and testing set.

From the training and test set we take out small parameters called X_train, y_train and X_test and y_test, this data will be used to find best parameter fit for our models. According to the best fit we will train and test our data with large dataset.

X_train, y_train and X_test and y_test are small dataset for quick parameter finding, as it looks

for best fit model using all models.

```
[325]: X_train_org, X_test_org, y_train_org, y_test_org = train_test_split(X, y,
    ↪test_size=0.2, random_state=42)
print(len(X_train_org))
print(len(X_test_org))
X_train, _, y_train, _ = train_test_split(X_train_org, y_train_org, test_size=0.
    ↪8, random_state=42)
X_test, _, y_test, _ = train_test_split(X_test_org, y_test_org, test_size=0.6,
    ↪random_state=42)
```

9979

2495

0.0.4 MODEL 1: KNN model

Why we want to select KNN model?

From the phase 1 analysis we saw that for child depression the features were easily separable. Meaning for a depressed kid 90% parents didn't acknowledge their kids for their good work and for non depressed it was opposite. so This shows that similar type of data remains on same side or are nearest to each other.

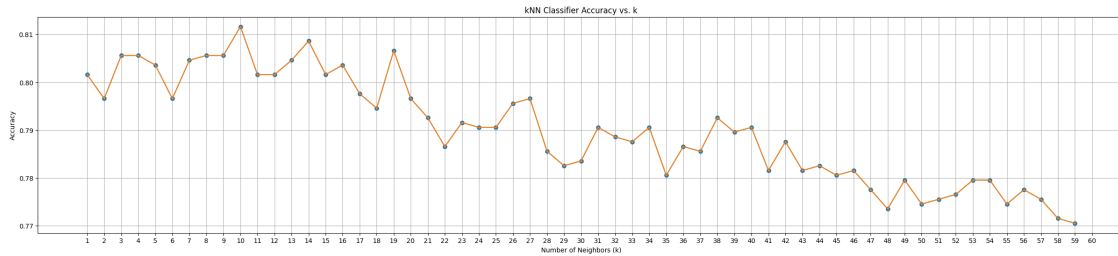
Hence KNN makes sense here

Finding best K that will get us best prediction The below code runs through 1 to 60 value of k to find the best fit

```
[329]: accuracy_list = []
k_values = range(1, 60)

for k in k_values:
    knn = KNeighborsClassifier(n_neighbors=k)
    knn.fit(X_train, y_train)
    y_pred = knn.predict(X_test)
    accuracy = accuracy_score(y_test, y_pred)
    accuracy_list.append(accuracy)
```

```
[331]: plt.figure(figsize=(30, 6))
plt.plot(k_values, accuracy_list, marker='o')
plt.title('kNN Classifier Accuracy vs. k')
plt.xlabel('Number of Neighbors (k)')
plt.ylabel('Accuracy')
plt.plot(k_values, accuracy_list, marker='o', markersize=2)
plt.xticks(np.arange(1, 61, 1)) # Set x-ticks for every integer k
plt.grid()
plt.show()
```



The above graph shows performance of Knn on our data with different value of K. The Above graph shows that bigger value of K gives worse performance and at 10 it gives the best performance.

KNN best fit is $K = 10$

Training KNN with value of K as 10 on our data

```
[333]: knn = KNeighborsClassifier(n_neighbors=10)
knn.fit(X_train_org, y_train_org)

y_pred = knn.predict(X_test_org)

accuracy = accuracy_score(y_test_org, y_pred)
f1 = f1_score(y_test_org, y_pred, average='weighted')

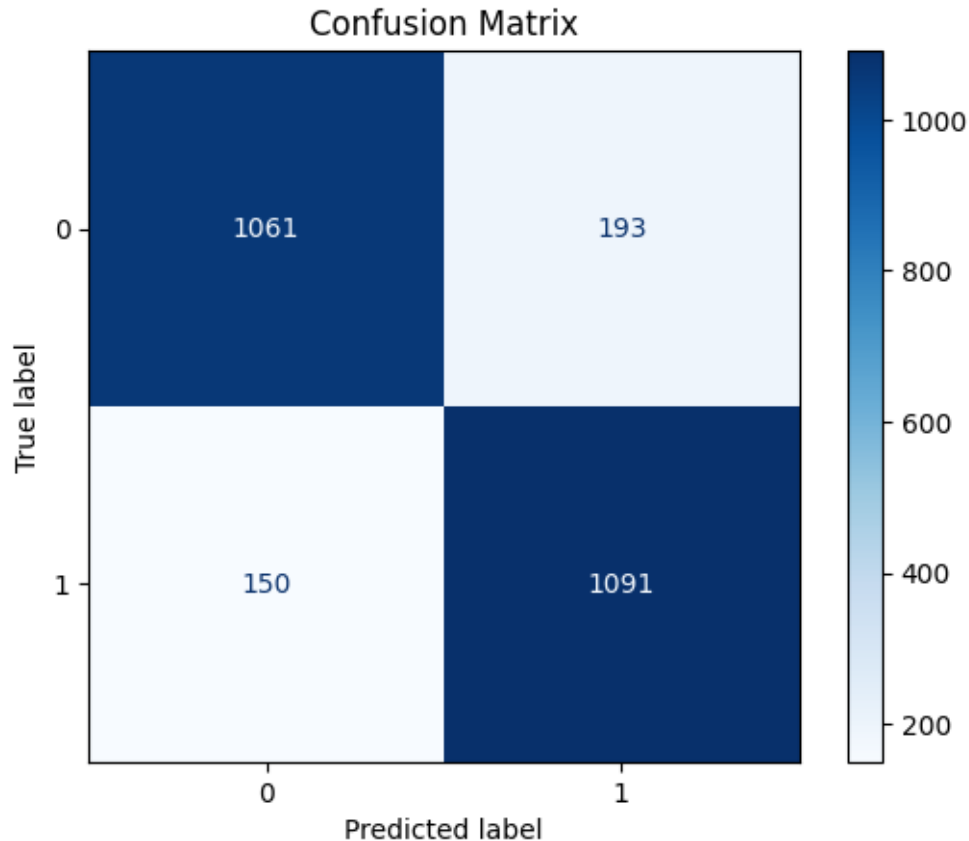
print(f"Model Accuracy: {accuracy*100:.7f}")
print(f"F1 Score: {f1:.7f}")

conf_matrix = confusion_matrix(y_test_org, y_pred)

disp = ConfusionMatrixDisplay(confusion_matrix=conf_matrix)
disp.plot(cmap=plt.cm.Blues)
plt.title("Confusion Matrix")
plt.show()
```

Model Accuracy: 86.2525050

F1 Score: 0.8624966



We can see that KNN gives us 86.25% prediction on our data. Knn giving us this much prediction means that data is somewhat separable and we need to use some algorithm that utilizes this separation well and is easy to use.

0.0.5 MODEL 2: Random Forest

We can use Random forest as our data set is little complex and somewhat separable as we got it from K-NN. We also want our machine to be robust to any outlier and noise as chances of outlier still exist even after outlier cleaning.

We find parameters for our random forest, these parameters are number of trees and maximum depth of each tree

```
[334]: from sklearn.model_selection import train_test_split
from sklearn.ensemble import RandomForestClassifier
from sklearn.metrics import accuracy_score, classification_report

n_estimators_range = range(1, 101) # 1 to 100
max_depth_range = range(1, 21) # 1 to 20

accuracy_scores = np.zeros((len(n_estimators_range), len(max_depth_range)))
```

```

for i, n_estimators in enumerate(n_estimators_range):
    for j, max_depth in enumerate(max_depth_range):
        rf_model = RandomForestClassifier(n_estimators=n_estimators,
        ↪max_depth=max_depth, random_state=42)
        rf_model.fit(X_train_org, y_train_org)
        y_pred = rf_model.predict(X_test_org)
        accuracy_scores[i, j] = accuracy_score(y_test_org, y_pred)

```

```

[339]: import plotly.express as px

n_estimators_vals, max_depth_vals = np.meshgrid(n_estimators_range,
        ↪max_depth_range, indexing='ij')
n_estimators_list = list(range(1, 101))
max_depth_list = list(range(1, 21))

plot_data = pd.DataFrame(accuracy_scores, index=n_estimators_list,
        ↪columns=max_depth_list)

fig = px.imshow(plot_data,
                 labels=dict(x="max_depth", y="n_estimators", color="Accuracy"),
                 x=max_depth_list, y=n_estimators_list, aspect="auto")
fig.update_layout(title="Interactive Heatmap of Accuracy for Different
        ↪n_estimators and max_depth")
fig.show()

```

The above heat maps helps us selecting best max depth and maximum number of trees and from the graph we can see that tree number = 1, which is effectively a decision tree have very bad accuracy. Hence a random forest is a better choice than selecting a decision tree.

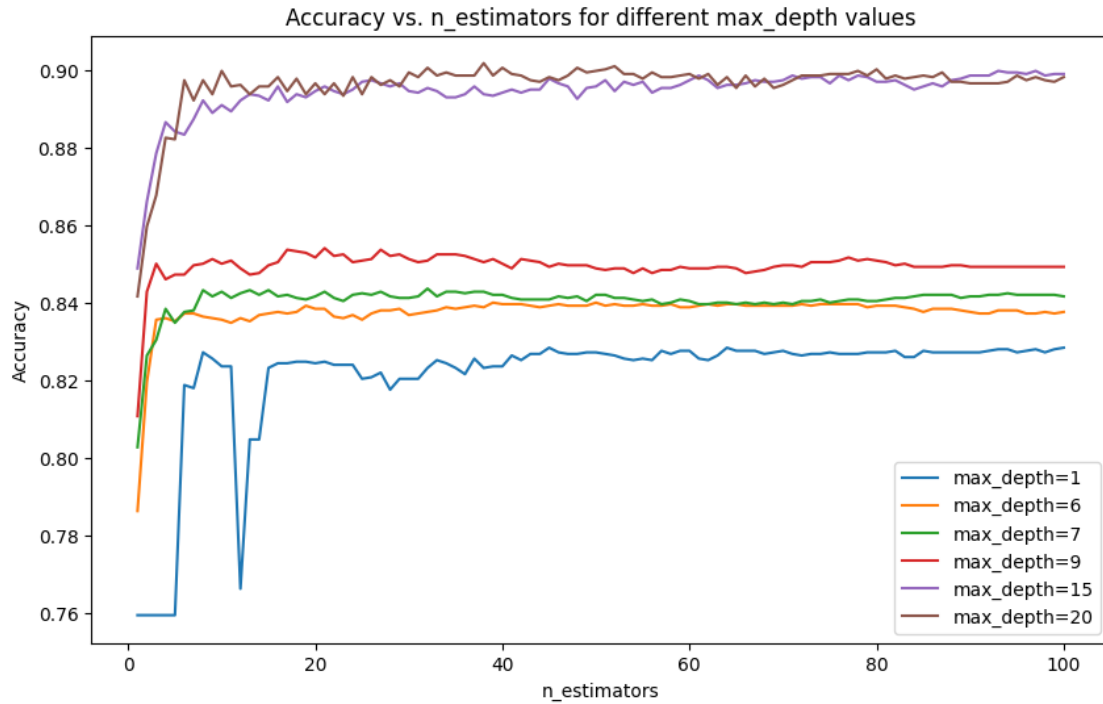
From the heat map we can see that with increase in depth the accuracy increased and even with increase in number of trees the accuracy increased. We need to find the point with maximum accuracy.

```

[340]: plt.figure(figsize=(10, 6))
for max_depth in [1, 6, 7, 9, 15, 20]:
    accuracies = [accuracy_scores[i, max_depth-1] for i in
    ↪range(len(n_estimators_range))]
    plt.plot(n_estimators_range, accuracies, label=f'max_depth={max_depth}')

plt.xlabel('n_estimators')
plt.ylabel('Accuracy')
plt.title('Accuracy vs. n_estimators for different max_depth values')
plt.legend()
plt.show()

```

The above graph shows accuracy of our model with respect to number of trees and max depth of the tree. We can see higher max depth tree shows better result

```
[341]: import numpy as np
import pandas as pd

num_n_estimators, num_max_depth = accuracy_scores.shape

flat_indices = np.argsort(accuracy_scores, axis=None)[-40:]

top_scores = []
for idx in flat_indices:
    i = idx // num_max_depth
    j = idx % num_max_depth
    top_scores.append((accuracy_scores[i, j], i + 1, j + 1))

top_scores_df = pd.DataFrame(top_scores, columns=["Accuracy", "n_estimators", "max_depth"])

print(top_scores_df.sort_values(by="Accuracy", ascending=False).head(3))
```

	Accuracy	n_estimators	max_depth
39	0.903407	30	17
38	0.901804	38	20
37	0.901403	44	16

The best fit is `n_estimators = 30` and `max_depth = 17`

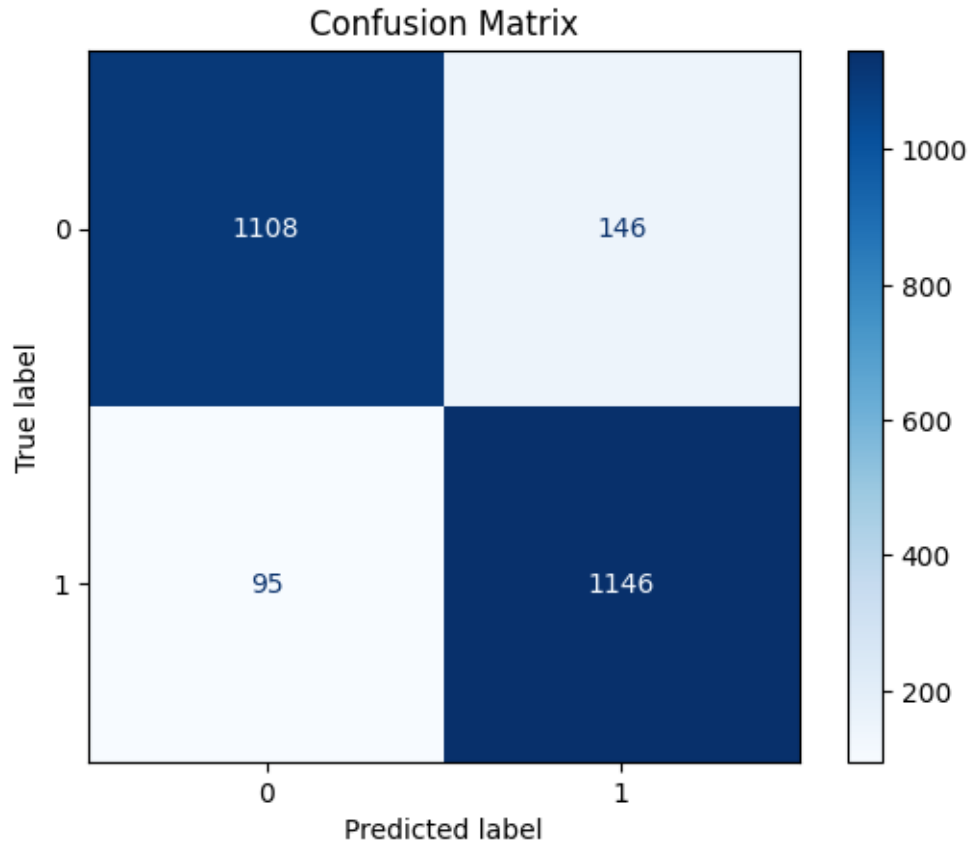
```
[345]: from sklearn.metrics import classification_report
rf_model = RandomForestClassifier(n_estimators=30, max_depth=17,
    random_state=42)
rf_model.fit(X_train_org, y_train_org)
y_pred = rf_model.predict(X_test_org)
accuracy = accuracy_score(y_test_org, y_pred)
print(f"Model Accuracy: {accuracy*100:.2f}%")
report = classification_report(y_test_org, y_pred)
print(report)

conf_matrix = confusion_matrix(y_test_org, y_pred)
print("Confusion Matrix:")
disp = ConfusionMatrixDisplay(confusion_matrix=conf_matrix)
disp.plot(cmap=plt.cm.Blues)
plt.title("Confusion Matrix")
plt.show()
```

Model Accuracy: 90.34%

	precision	recall	f1-score	support
0.0	0.92	0.88	0.90	1254
1.0	0.89	0.92	0.90	1241
accuracy			0.90	2495
macro avg	0.90	0.90	0.90	2495
weighted avg	0.90	0.90	0.90	2495

Confusion Matrix:



With Random forest we got accuracy of 90.34%, which is quite better than Knn. Random forest is good in handling complex data, handling outliers, noise and large dataset, whereas knn is simple distance based approach, we can't expect much from knn when data has complex relationship with output. Additionally k-NN can be sensitive to outliers because it relies on the neighbouring data points.

Because of the above factor random forest worked well on our data

```
[347]: def build_model(lambda_val):
        model = tf.keras.Sequential([
            tf.keras.layers.Dense(1, activation='sigmoid')
        ])
        model.compile(optimizer='adam', loss='binary_crossentropy',
            ↪ metrics=['accuracy'])
        return model

def build_deepmodel(lambda_val):
    model = tf.keras.Sequential([
        tf.keras.layers.Dense(8, activation='tanh', kernel_regularizer=tf.keras.
            ↪ regularizers.l2(lambda_val), input_shape=(X_train.shape[1],)),
```

```

        tf.keras.layers.Dense(15, activation='relu', kernel_regularizer=tf.
↳keras.regularizers.l2(lambda_val), input_shape=(X_train.shape[1],)),
        tf.keras.layers.Dense(15, activation='tanh', kernel_regularizer=tf.
↳keras.regularizers.l2(lambda_val), input_shape=(X_train.shape[1],)),
        tf.keras.layers.Dense(1, activation='sigmoid') # Assuming binary
↳classification
    ])
    #optimizer = Adam(learning_rate=0.0001)
    model.compile(optimizer='adam', loss='binary_crossentropy',
↳metrics=['accuracy'])
    return model

```

from the above graph we now know this that all the parameters are independent, as if it was not error would be

```

[320]: early_stopping = EarlyStopping(
    monitor='accuracy', # Metric to monitor
    patience=700, # Number of epochs with no improvement after which
↳training will be stopped
    verbose=0 # Verbosity mode (0 = silent, 1 = messages)
)
lambda_values = np.arange(0, 1.1, 0.1)
best_lambda = 0
best_score = 0
lambda_value_list = list()
for lambda_val in lambda_values:
    # Build model with the current lambda value
    model = build_deepmodel(lambda_val)

    # Train the model on the entire training dataset
    model.fit(X_train, y_train, epochs=20000, batch_size=20000, verbose=0,
↳callbacks=[early_stopping])

    # Evaluate the model on the entire training dataset
    val_loss, val_accuracy = model.evaluate(X_test, y_test, verbose=0)

    # Output the accuracy
    print(f"Lambda: {lambda_val}, Accuracy on test Dataset: {val_accuracy}")
    lambda_value_list.append(val_accuracy)
    # Check if this is the best score
    if val_accuracy > best_score:
        best_score = val_accuracy
        best_lambda = lambda_val

print(f"Best Lambda: {best_lambda} with Accuracy: {best_score}")

```

Lambda: 0.0, Accuracy on test Dataset: 0.8016031980514526

Lambda: 0.1, Accuracy on test Dataset: 0.796593189239502

```

Lambda: 0.2, Accuracy on test Dataset: 0.4989979863166809
Lambda: 0.30000000000000004, Accuracy on test Dataset: 0.4989979863166809
Lambda: 0.4, Accuracy on test Dataset: 0.4989979863166809
Lambda: 0.5, Accuracy on test Dataset: 0.4989979863166809
Lambda: 0.6000000000000001, Accuracy on test Dataset: 0.4989979863166809
Lambda: 0.7000000000000001, Accuracy on test Dataset: 0.4989979863166809
Lambda: 0.8, Accuracy on test Dataset: 0.4989979863166809
Lambda: 0.9, Accuracy on test Dataset: 0.4989979863166809
Lambda: 1.0, Accuracy on test Dataset: 0.4989979863166809
Best Lambda: 0.0 with Accuracy: 0.8016031980514526

```

we have realized that it's model won't overfit because of which lamda 0 and other lambda values comes as same. and a simple perceptron gives almost same accuracy as perceptron. SO let's make our model based on perceptron

```

[322]: import numpy as np
from keras.callbacks import EarlyStopping
from keras.models import load_model
# Define lambda values to test
early_stopping = EarlyStopping(
    monitor='accuracy', # Metric to monitor
    patience=700,       # Number of epochs with no improvement after which
    ↪training will be stopped
    verbose=0           # Verbosity mode (0 = silent, 1 = messages)
)

# Build model with the current lambda value
model = build_model(0)

# Train the model on the entire training dataset
model.fit(X_train_org, y_train_org, epochs=10000, batch_size=20000, verbose=1,
    ↪callbacks=[early_stopping])

# Evaluate the model on the entire training dataset
val_loss, val_accuracy = model.evaluate(X_test_org, y_test_org, verbose=0)
print(f"Lambda: {0}, Accuracy on Entire Dataset: {val_accuracy}")

```

```

Epoch 1/10000
1/1          0s 195ms/step -
accuracy: 0.4997 - loss: 2.1996
Epoch 2/10000
1/1          0s 10ms/step -
accuracy: 0.4999 - loss: 2.1892
Epoch 3/10000
1/1          0s 10ms/step -
accuracy: 0.4997 - loss: 2.1787
Epoch 4/10000
1/1          0s 11ms/step -

```

accuracy: 0.4996 - loss: 2.1682
Epoch 5/10000
1/1 0s 11ms/step -
accuracy: 0.4996 - loss: 2.1578
Epoch 6/10000
1/1 0s 11ms/step -
accuracy: 0.4994 - loss: 2.1474
Epoch 7/10000
1/1 0s 11ms/step -
accuracy: 0.4994 - loss: 2.1370
Epoch 8/10000
1/1 0s 10ms/step -
accuracy: 0.4993 - loss: 2.1266
Epoch 9/10000
1/1 0s 10ms/step -
accuracy: 0.4995 - loss: 2.1162
Epoch 10/10000
1/1 0s 10ms/step -
accuracy: 0.5005 - loss: 2.1058
Epoch 11/10000
1/1 0s 9ms/step -
accuracy: 0.5006 - loss: 2.0955
Epoch 12/10000
1/1 0s 10ms/step -
accuracy: 0.5005 - loss: 2.0852
Epoch 13/10000
1/1 0s 10ms/step -
accuracy: 0.5005 - loss: 2.0748
Epoch 14/10000
1/1 0s 10ms/step -
accuracy: 0.5004 - loss: 2.0645
Epoch 15/10000
1/1 0s 10ms/step -
accuracy: 0.5004 - loss: 2.0543
Epoch 16/10000
1/1 0s 10ms/step -
accuracy: 0.5003 - loss: 2.0440
Epoch 17/10000
1/1 0s 10ms/step -
accuracy: 0.5005 - loss: 2.0338
Epoch 18/10000
1/1 0s 10ms/step -
accuracy: 0.5007 - loss: 2.0236
Epoch 19/10000
1/1 0s 10ms/step -
accuracy: 0.5007 - loss: 2.0134
Epoch 20/10000
1/1 0s 10ms/step -

accuracy: 0.5009 - loss: 2.0032
Epoch 21/10000
1/1 0s 10ms/step -
accuracy: 0.5008 - loss: 1.9930
Epoch 22/10000
1/1 0s 10ms/step -
accuracy: 0.5006 - loss: 1.9829
Epoch 23/10000
1/1 0s 10ms/step -
accuracy: 0.5006 - loss: 1.9728
Epoch 24/10000
1/1 0s 10ms/step -
accuracy: 0.5007 - loss: 1.9627
Epoch 25/10000
1/1 0s 11ms/step -
accuracy: 0.5009 - loss: 1.9526
Epoch 26/10000
1/1 0s 12ms/step -
accuracy: 0.5007 - loss: 1.9426
Epoch 27/10000
1/1 0s 11ms/step -
accuracy: 0.5008 - loss: 1.9325
Epoch 28/10000
1/1 0s 11ms/step -
accuracy: 0.5009 - loss: 1.9225
Epoch 29/10000
1/1 0s 11ms/step -
accuracy: 0.5009 - loss: 1.9126
Epoch 30/10000
1/1 0s 12ms/step -
accuracy: 0.5009 - loss: 1.9026
Epoch 31/10000
1/1 0s 11ms/step -
accuracy: 0.5010 - loss: 1.8927
Epoch 32/10000
1/1 0s 12ms/step -
accuracy: 0.5009 - loss: 1.8828
Epoch 33/10000
1/1 0s 11ms/step -
accuracy: 0.5010 - loss: 1.8730
Epoch 34/10000
1/1 0s 11ms/step -
accuracy: 0.5011 - loss: 1.8631
Epoch 35/10000
1/1 0s 11ms/step -
accuracy: 0.5011 - loss: 1.8533
Epoch 36/10000
1/1 0s 11ms/step -

accuracy: 0.5014 - loss: 1.8435
Epoch 37/10000
1/1 0s 11ms/step -
accuracy: 0.5014 - loss: 1.8338
Epoch 38/10000
1/1 0s 11ms/step -
accuracy: 0.5015 - loss: 1.8241
Epoch 39/10000
1/1 0s 11ms/step -
accuracy: 0.5017 - loss: 1.8144
Epoch 40/10000
1/1 0s 11ms/step -
accuracy: 0.5015 - loss: 1.8047
Epoch 41/10000
1/1 0s 10ms/step -
accuracy: 0.5020 - loss: 1.7951
Epoch 42/10000
1/1 0s 11ms/step -
accuracy: 0.5022 - loss: 1.7855
Epoch 43/10000
1/1 0s 11ms/step -
accuracy: 0.5026 - loss: 1.7759
Epoch 44/10000
1/1 0s 11ms/step -
accuracy: 0.5027 - loss: 1.7664
Epoch 45/10000
1/1 0s 10ms/step -
accuracy: 0.5025 - loss: 1.7569
Epoch 46/10000
1/1 0s 10ms/step -
accuracy: 0.5025 - loss: 1.7475
Epoch 47/10000
1/1 0s 10ms/step -
accuracy: 0.5024 - loss: 1.7380
Epoch 48/10000
1/1 0s 9ms/step -
accuracy: 0.5026 - loss: 1.7286
Epoch 49/10000
1/1 0s 11ms/step -
accuracy: 0.5026 - loss: 1.7193
Epoch 50/10000
1/1 0s 10ms/step -
accuracy: 0.5025 - loss: 1.7100
Epoch 51/10000
1/1 0s 10ms/step -
accuracy: 0.5023 - loss: 1.7007
Epoch 52/10000
1/1 0s 11ms/step -

accuracy: 0.5025 - loss: 1.6914
Epoch 53/10000
1/1 0s 11ms/step -
accuracy: 0.5029 - loss: 1.6822
Epoch 54/10000
1/1 0s 11ms/step -
accuracy: 0.5029 - loss: 1.6731
Epoch 55/10000
1/1 0s 11ms/step -
accuracy: 0.5031 - loss: 1.6639
Epoch 56/10000
1/1 0s 11ms/step -
accuracy: 0.5034 - loss: 1.6548
Epoch 57/10000
1/1 0s 11ms/step -
accuracy: 0.5030 - loss: 1.6458
Epoch 58/10000
1/1 0s 11ms/step -
accuracy: 0.5031 - loss: 1.6368
Epoch 59/10000
1/1 0s 11ms/step -
accuracy: 0.5029 - loss: 1.6278
Epoch 60/10000
1/1 0s 11ms/step -
accuracy: 0.5033 - loss: 1.6189
Epoch 61/10000
1/1 0s 11ms/step -
accuracy: 0.5030 - loss: 1.6100
Epoch 62/10000
1/1 0s 11ms/step -
accuracy: 0.5034 - loss: 1.6011
Epoch 63/10000
1/1 0s 11ms/step -
accuracy: 0.5036 - loss: 1.5923
Epoch 64/10000
1/1 0s 12ms/step -
accuracy: 0.5031 - loss: 1.5836
Epoch 65/10000
1/1 0s 10ms/step -
accuracy: 0.5029 - loss: 1.5749
Epoch 66/10000
1/1 0s 11ms/step -
accuracy: 0.5029 - loss: 1.5662
Epoch 67/10000
1/1 0s 11ms/step -
accuracy: 0.5038 - loss: 1.5576
Epoch 68/10000
1/1 0s 10ms/step -

accuracy: 0.5039 - loss: 1.5490
Epoch 69/10000
1/1 0s 10ms/step -
accuracy: 0.5039 - loss: 1.5405
Epoch 70/10000
1/1 0s 10ms/step -
accuracy: 0.5036 - loss: 1.5320
Epoch 71/10000
1/1 0s 9ms/step -
accuracy: 0.5037 - loss: 1.5235
Epoch 72/10000
1/1 0s 10ms/step -
accuracy: 0.5037 - loss: 1.5151
Epoch 73/10000
1/1 0s 9ms/step -
accuracy: 0.5032 - loss: 1.5068
Epoch 74/10000
1/1 0s 10ms/step -
accuracy: 0.5033 - loss: 1.4985
Epoch 75/10000
1/1 0s 9ms/step -
accuracy: 0.5038 - loss: 1.4902
Epoch 76/10000
1/1 0s 11ms/step -
accuracy: 0.5043 - loss: 1.4820
Epoch 77/10000
1/1 0s 11ms/step -
accuracy: 0.5045 - loss: 1.4739
Epoch 78/10000
1/1 0s 12ms/step -
accuracy: 0.5043 - loss: 1.4658
Epoch 79/10000
1/1 0s 11ms/step -
accuracy: 0.5039 - loss: 1.4577
Epoch 80/10000
1/1 0s 11ms/step -
accuracy: 0.5038 - loss: 1.4497
Epoch 81/10000
1/1 0s 11ms/step -
accuracy: 0.5033 - loss: 1.4418
Epoch 82/10000
1/1 0s 11ms/step -
accuracy: 0.5028 - loss: 1.4339
Epoch 83/10000
1/1 0s 11ms/step -
accuracy: 0.5024 - loss: 1.4261
Epoch 84/10000
1/1 0s 11ms/step -

accuracy: 0.5034 - loss: 1.4183
Epoch 85/10000
1/1 0s 11ms/step -
accuracy: 0.5028 - loss: 1.4105
Epoch 86/10000
1/1 0s 11ms/step -
accuracy: 0.5025 - loss: 1.4028
Epoch 87/10000
1/1 0s 11ms/step -
accuracy: 0.5021 - loss: 1.3952
Epoch 88/10000
1/1 0s 10ms/step -
accuracy: 0.5017 - loss: 1.3876
Epoch 89/10000
1/1 0s 10ms/step -
accuracy: 0.5010 - loss: 1.3801
Epoch 90/10000
1/1 0s 10ms/step -
accuracy: 0.5007 - loss: 1.3727
Epoch 91/10000
1/1 0s 10ms/step -
accuracy: 0.5004 - loss: 1.3652
Epoch 92/10000
1/1 0s 10ms/step -
accuracy: 0.5002 - loss: 1.3579
Epoch 93/10000
1/1 0s 10ms/step -
accuracy: 0.4999 - loss: 1.3506
Epoch 94/10000
1/1 0s 10ms/step -
accuracy: 0.4999 - loss: 1.3434
Epoch 95/10000
1/1 0s 10ms/step -
accuracy: 0.5001 - loss: 1.3362
Epoch 96/10000
1/1 0s 10ms/step -
accuracy: 0.4999 - loss: 1.3290
Epoch 97/10000
1/1 0s 9ms/step -
accuracy: 0.4999 - loss: 1.3220
Epoch 98/10000
1/1 0s 9ms/step -
accuracy: 0.4998 - loss: 1.3150
Epoch 99/10000
1/1 0s 10ms/step -
accuracy: 0.4993 - loss: 1.3080
Epoch 100/10000
1/1 0s 9ms/step -

accuracy: 0.4985 - loss: 1.3011
Epoch 101/10000
1/1 0s 9ms/step -
accuracy: 0.4983 - loss: 1.2943
Epoch 102/10000
1/1 0s 9ms/step -
accuracy: 0.4985 - loss: 1.2875
Epoch 103/10000
1/1 0s 10ms/step -
accuracy: 0.4981 - loss: 1.2808
Epoch 104/10000
1/1 0s 9ms/step -
accuracy: 0.4982 - loss: 1.2741
Epoch 105/10000
1/1 0s 9ms/step -
accuracy: 0.4981 - loss: 1.2676
Epoch 106/10000
1/1 0s 10ms/step -
accuracy: 0.4977 - loss: 1.2610
Epoch 107/10000
1/1 0s 9ms/step -
accuracy: 0.4989 - loss: 1.2545
Epoch 108/10000
1/1 0s 10ms/step -
accuracy: 0.4994 - loss: 1.2481
Epoch 109/10000
1/1 0s 35ms/step -
accuracy: 0.4987 - loss: 1.2418
Epoch 110/10000
1/1 0s 16ms/step -
accuracy: 0.4986 - loss: 1.2355
Epoch 111/10000
1/1 0s 9ms/step -
accuracy: 0.4983 - loss: 1.2293
Epoch 112/10000
1/1 0s 10ms/step -
accuracy: 0.4986 - loss: 1.2231
Epoch 113/10000
1/1 0s 10ms/step -
accuracy: 0.4985 - loss: 1.2170
Epoch 114/10000
1/1 0s 9ms/step -
accuracy: 0.4993 - loss: 1.2109
Epoch 115/10000
1/1 0s 10ms/step -
accuracy: 0.4991 - loss: 1.2049
Epoch 116/10000
1/1 0s 10ms/step -

accuracy: 0.4994 - loss: 1.1990
Epoch 117/10000
1/1 0s 10ms/step -
accuracy: 0.4999 - loss: 1.1932
Epoch 118/10000
1/1 0s 10ms/step -
accuracy: 0.5001 - loss: 1.1874
Epoch 119/10000
1/1 0s 10ms/step -
accuracy: 0.4997 - loss: 1.1816
Epoch 120/10000
1/1 0s 10ms/step -
accuracy: 0.4993 - loss: 1.1760
Epoch 121/10000
1/1 0s 10ms/step -
accuracy: 0.4989 - loss: 1.1703
Epoch 122/10000
1/1 0s 10ms/step -
accuracy: 0.4992 - loss: 1.1648
Epoch 123/10000
1/1 0s 10ms/step -
accuracy: 0.4985 - loss: 1.1593
Epoch 124/10000
1/1 0s 10ms/step -
accuracy: 0.4984 - loss: 1.1539
Epoch 125/10000
1/1 0s 9ms/step -
accuracy: 0.4990 - loss: 1.1485
Epoch 126/10000
1/1 0s 10ms/step -
accuracy: 0.4987 - loss: 1.1432
Epoch 127/10000
1/1 0s 9ms/step -
accuracy: 0.5015 - loss: 1.1380
Epoch 128/10000
1/1 0s 10ms/step -
accuracy: 0.5009 - loss: 1.1328
Epoch 129/10000
1/1 0s 9ms/step -
accuracy: 0.5015 - loss: 1.1277
Epoch 130/10000
1/1 0s 10ms/step -
accuracy: 0.5008 - loss: 1.1226
Epoch 131/10000
1/1 0s 22ms/step -
accuracy: 0.5005 - loss: 1.1176
Epoch 132/10000
1/1 0s 10ms/step -

accuracy: 0.5007 - loss: 1.1127
Epoch 133/10000
1/1 0s 10ms/step -
accuracy: 0.5018 - loss: 1.1079
Epoch 134/10000
1/1 0s 10ms/step -
accuracy: 0.5022 - loss: 1.1030
Epoch 135/10000
1/1 0s 10ms/step -
accuracy: 0.5039 - loss: 1.0983
Epoch 136/10000
1/1 0s 10ms/step -
accuracy: 0.5040 - loss: 1.0936
Epoch 137/10000
1/1 0s 10ms/step -
accuracy: 0.5049 - loss: 1.0890
Epoch 138/10000
1/1 0s 10ms/step -
accuracy: 0.5058 - loss: 1.0844
Epoch 139/10000
1/1 0s 10ms/step -
accuracy: 0.5057 - loss: 1.0799
Epoch 140/10000
1/1 0s 10ms/step -
accuracy: 0.5051 - loss: 1.0755
Epoch 141/10000
1/1 0s 10ms/step -
accuracy: 0.5052 - loss: 1.0711
Epoch 142/10000
1/1 0s 10ms/step -
accuracy: 0.5054 - loss: 1.0668
Epoch 143/10000
1/1 0s 10ms/step -
accuracy: 0.5064 - loss: 1.0625
Epoch 144/10000
1/1 0s 10ms/step -
accuracy: 0.5076 - loss: 1.0583
Epoch 145/10000
1/1 0s 10ms/step -
accuracy: 0.5072 - loss: 1.0542
Epoch 146/10000
1/1 0s 10ms/step -
accuracy: 0.5079 - loss: 1.0501
Epoch 147/10000
1/1 0s 10ms/step -
accuracy: 0.5082 - loss: 1.0461
Epoch 148/10000
1/1 0s 10ms/step -

accuracy: 0.5082 - loss: 1.0421
Epoch 149/10000
1/1 0s 10ms/step -
accuracy: 0.5079 - loss: 1.0382
Epoch 150/10000
1/1 0s 11ms/step -
accuracy: 0.5081 - loss: 1.0344
Epoch 151/10000
1/1 0s 10ms/step -
accuracy: 0.5089 - loss: 1.0306
Epoch 152/10000
1/1 0s 10ms/step -
accuracy: 0.5093 - loss: 1.0268
Epoch 153/10000
1/1 0s 10ms/step -
accuracy: 0.5088 - loss: 1.0232
Epoch 154/10000
1/1 0s 10ms/step -
accuracy: 0.5098 - loss: 1.0195
Epoch 155/10000
1/1 0s 10ms/step -
accuracy: 0.5090 - loss: 1.0160
Epoch 156/10000
1/1 0s 10ms/step -
accuracy: 0.5091 - loss: 1.0124
Epoch 157/10000
1/1 0s 10ms/step -
accuracy: 0.5088 - loss: 1.0090
Epoch 158/10000
1/1 0s 10ms/step -
accuracy: 0.5095 - loss: 1.0056
Epoch 159/10000
1/1 0s 11ms/step -
accuracy: 0.5123 - loss: 1.0022
Epoch 160/10000
1/1 0s 10ms/step -
accuracy: 0.5127 - loss: 0.9989
Epoch 161/10000
1/1 0s 10ms/step -
accuracy: 0.5134 - loss: 0.9957
Epoch 162/10000
1/1 0s 10ms/step -
accuracy: 0.5140 - loss: 0.9925
Epoch 163/10000
1/1 0s 10ms/step -
accuracy: 0.5144 - loss: 0.9894
Epoch 164/10000
1/1 0s 10ms/step -

accuracy: 0.5135 - loss: 0.9863
Epoch 165/10000
1/1 0s 9ms/step -
accuracy: 0.5141 - loss: 0.9832
Epoch 166/10000
1/1 0s 9ms/step -
accuracy: 0.5148 - loss: 0.9803
Epoch 167/10000
1/1 0s 10ms/step -
accuracy: 0.5152 - loss: 0.9773
Epoch 168/10000
1/1 0s 10ms/step -
accuracy: 0.5149 - loss: 0.9744
Epoch 169/10000
1/1 0s 9ms/step -
accuracy: 0.5152 - loss: 0.9716
Epoch 170/10000
1/1 0s 10ms/step -
accuracy: 0.5164 - loss: 0.9688
Epoch 171/10000
1/1 0s 10ms/step -
accuracy: 0.5166 - loss: 0.9661
Epoch 172/10000
1/1 0s 10ms/step -
accuracy: 0.5165 - loss: 0.9634
Epoch 173/10000
1/1 0s 10ms/step -
accuracy: 0.5178 - loss: 0.9607
Epoch 174/10000
1/1 0s 10ms/step -
accuracy: 0.5184 - loss: 0.9581
Epoch 175/10000
1/1 0s 10ms/step -
accuracy: 0.5186 - loss: 0.9556
Epoch 176/10000
1/1 0s 10ms/step -
accuracy: 0.5182 - loss: 0.9531
Epoch 177/10000
1/1 0s 36ms/step -
accuracy: 0.5178 - loss: 0.9506
Epoch 178/10000
1/1 0s 16ms/step -
accuracy: 0.5177 - loss: 0.9482
Epoch 179/10000
1/1 0s 9ms/step -
accuracy: 0.5170 - loss: 0.9458
Epoch 180/10000
1/1 0s 10ms/step -

accuracy: 0.5174 - loss: 0.9435
Epoch 181/10000
1/1 0s 10ms/step -
accuracy: 0.5194 - loss: 0.9412
Epoch 182/10000
1/1 0s 10ms/step -
accuracy: 0.5194 - loss: 0.9389
Epoch 183/10000
1/1 0s 10ms/step -
accuracy: 0.5200 - loss: 0.9367
Epoch 184/10000
1/1 0s 10ms/step -
accuracy: 0.5210 - loss: 0.9345
Epoch 185/10000
1/1 0s 10ms/step -
accuracy: 0.5224 - loss: 0.9324
Epoch 186/10000
1/1 0s 10ms/step -
accuracy: 0.5238 - loss: 0.9303
Epoch 187/10000
1/1 0s 10ms/step -
accuracy: 0.5238 - loss: 0.9283
Epoch 188/10000
1/1 0s 22ms/step -
accuracy: 0.5230 - loss: 0.9263
Epoch 189/10000
1/1 0s 9ms/step -
accuracy: 0.5225 - loss: 0.9243
Epoch 190/10000
1/1 0s 10ms/step -
accuracy: 0.5224 - loss: 0.9224
Epoch 191/10000
1/1 0s 10ms/step -
accuracy: 0.5214 - loss: 0.9205
Epoch 192/10000
1/1 0s 10ms/step -
accuracy: 0.5218 - loss: 0.9186
Epoch 193/10000
1/1 0s 10ms/step -
accuracy: 0.5243 - loss: 0.9168
Epoch 194/10000
1/1 0s 10ms/step -
accuracy: 0.5248 - loss: 0.9150
Epoch 195/10000
1/1 0s 10ms/step -
accuracy: 0.5244 - loss: 0.9132
Epoch 196/10000
1/1 0s 10ms/step -

accuracy: 0.5241 - loss: 0.9115
Epoch 197/10000
1/1 0s 10ms/step -
accuracy: 0.5243 - loss: 0.9098
Epoch 198/10000
1/1 0s 10ms/step -
accuracy: 0.5243 - loss: 0.9082
Epoch 199/10000
1/1 0s 10ms/step -
accuracy: 0.5243 - loss: 0.9065
Epoch 200/10000
1/1 0s 10ms/step -
accuracy: 0.5235 - loss: 0.9049
Epoch 201/10000
1/1 0s 10ms/step -
accuracy: 0.5233 - loss: 0.9034
Epoch 202/10000
1/1 0s 10ms/step -
accuracy: 0.5239 - loss: 0.9018
Epoch 203/10000
1/1 0s 10ms/step -
accuracy: 0.5234 - loss: 0.9003
Epoch 204/10000
1/1 0s 10ms/step -
accuracy: 0.5238 - loss: 0.8989
Epoch 205/10000
1/1 0s 10ms/step -
accuracy: 0.5241 - loss: 0.8974
Epoch 206/10000
1/1 0s 10ms/step -
accuracy: 0.5238 - loss: 0.8960
Epoch 207/10000
1/1 0s 10ms/step -
accuracy: 0.5242 - loss: 0.8946
Epoch 208/10000
1/1 0s 10ms/step -
accuracy: 0.5235 - loss: 0.8933
Epoch 209/10000
1/1 0s 10ms/step -
accuracy: 0.5242 - loss: 0.8919
Epoch 210/10000
1/1 0s 10ms/step -
accuracy: 0.5242 - loss: 0.8906
Epoch 211/10000
1/1 0s 10ms/step -
accuracy: 0.5248 - loss: 0.8893
Epoch 212/10000
1/1 0s 10ms/step -

accuracy: 0.5249 - loss: 0.8881
Epoch 213/10000
1/1 0s 10ms/step -
accuracy: 0.5246 - loss: 0.8868
Epoch 214/10000
1/1 0s 10ms/step -
accuracy: 0.5253 - loss: 0.8856
Epoch 215/10000
1/1 0s 10ms/step -
accuracy: 0.5256 - loss: 0.8844
Epoch 216/10000
1/1 0s 10ms/step -
accuracy: 0.5256 - loss: 0.8833
Epoch 217/10000
1/1 0s 10ms/step -
accuracy: 0.5257 - loss: 0.8821
Epoch 218/10000
1/1 0s 10ms/step -
accuracy: 0.5260 - loss: 0.8810
Epoch 219/10000
1/1 0s 10ms/step -
accuracy: 0.5262 - loss: 0.8799
Epoch 220/10000
1/1 0s 11ms/step -
accuracy: 0.5264 - loss: 0.8789
Epoch 221/10000
1/1 0s 10ms/step -
accuracy: 0.5264 - loss: 0.8778
Epoch 222/10000
1/1 0s 10ms/step -
accuracy: 0.5267 - loss: 0.8768
Epoch 223/10000
1/1 0s 10ms/step -
accuracy: 0.5257 - loss: 0.8758
Epoch 224/10000
1/1 0s 10ms/step -
accuracy: 0.5265 - loss: 0.8748
Epoch 225/10000
1/1 0s 10ms/step -
accuracy: 0.5265 - loss: 0.8738
Epoch 226/10000
1/1 0s 9ms/step -
accuracy: 0.5260 - loss: 0.8728
Epoch 227/10000
1/1 0s 10ms/step -
accuracy: 0.5263 - loss: 0.8719
Epoch 228/10000
1/1 0s 30ms/step -

accuracy: 0.5258 - loss: 0.8710
Epoch 229/10000
1/1 0s 15ms/step -
accuracy: 0.5255 - loss: 0.8701
Epoch 230/10000
1/1 0s 9ms/step -
accuracy: 0.5254 - loss: 0.8692
Epoch 231/10000
1/1 0s 10ms/step -
accuracy: 0.5255 - loss: 0.8683
Epoch 232/10000
1/1 0s 10ms/step -
accuracy: 0.5250 - loss: 0.8675
Epoch 233/10000
1/1 0s 10ms/step -
accuracy: 0.5252 - loss: 0.8666
Epoch 234/10000
1/1 0s 21ms/step -
accuracy: 0.5248 - loss: 0.8658
Epoch 235/10000
1/1 0s 10ms/step -
accuracy: 0.5251 - loss: 0.8650
Epoch 236/10000
1/1 0s 10ms/step -
accuracy: 0.5262 - loss: 0.8642
Epoch 237/10000
1/1 0s 10ms/step -
accuracy: 0.5264 - loss: 0.8634
Epoch 238/10000
1/1 0s 10ms/step -
accuracy: 0.5266 - loss: 0.8627
Epoch 239/10000
1/1 0s 9ms/step -
accuracy: 0.5273 - loss: 0.8619
Epoch 240/10000
1/1 0s 10ms/step -
accuracy: 0.5278 - loss: 0.8612
Epoch 241/10000
1/1 0s 10ms/step -
accuracy: 0.5272 - loss: 0.8605
Epoch 242/10000
1/1 0s 10ms/step -
accuracy: 0.5274 - loss: 0.8598
Epoch 243/10000
1/1 0s 10ms/step -
accuracy: 0.5264 - loss: 0.8591
Epoch 244/10000
1/1 0s 10ms/step -

```

accuracy: 0.5267 - loss: 0.8584
Epoch 245/10000
1/1          0s 10ms/step -
accuracy: 0.5286 - loss: 0.8577
Epoch 246/10000
1/1          0s 9ms/step -
accuracy: 0.5289 - loss: 0.8570
Epoch 247/10000
1/1          0s 10ms/step -
accuracy: 0.5285 - loss: 0.8564
Epoch 248/10000
1/1          0s 10ms/step -
accuracy: 0.5297 - loss: 0.8557
Epoch 249/10000
1/1          0s 9ms/step -
accuracy: 0.5291 - loss: 0.8551
Epoch 250/10000
1/1          0s 10ms/step -
accuracy: 0.5289 - loss: 0.8545
Epoch 251/10000
1/1          0s 10ms/step -
accuracy: 0.5285 - loss: 0.8539
Epoch 252/10000
1/1          0s 10ms/step -
accuracy: 0.5291 - loss: 0.8533
Epoch 253/10000
1/1          0s 11ms/step -
accuracy: 0.5284 - loss: 0.8527
Epoch 254/10000
1/1          0s 11ms/step -
accuracy: 0.5290 - loss: 0.8521
Epoch 255/10000
1/1          0s 11ms/step -
accuracy: 0.5297 - loss: 0.8515
Epoch 256/10000
1/1          0s 11ms/step -
accuracy: 0.5294 - loss: 0.8509
Epoch 257/10000
1/1          0s 10ms/step -
accuracy: 0.5297 - loss: 0.8504
Epoch 258/10000
1/1          0s 11ms/step -
accuracy: 0.5295 - loss: 0.8498
Epoch 259/10000
1/1          0s 11ms/step -
accuracy: 0.5297 - loss: 0.8493
Epoch 260/10000
1/1          0s 11ms/step -

```

accuracy: 0.5296 - loss: 0.8487
Epoch 261/10000
1/1 0s 11ms/step -
accuracy: 0.5295 - loss: 0.8482
Epoch 262/10000
1/1 0s 11ms/step -
accuracy: 0.5293 - loss: 0.8477
Epoch 263/10000
1/1 0s 11ms/step -
accuracy: 0.5295 - loss: 0.8472
Epoch 264/10000
1/1 0s 10ms/step -
accuracy: 0.5295 - loss: 0.8467
Epoch 265/10000
1/1 0s 12ms/step -
accuracy: 0.5300 - loss: 0.8462
Epoch 266/10000
1/1 0s 11ms/step -
accuracy: 0.5306 - loss: 0.8457
Epoch 267/10000
1/1 0s 11ms/step -
accuracy: 0.5310 - loss: 0.8452
Epoch 268/10000
1/1 0s 11ms/step -
accuracy: 0.5310 - loss: 0.8447
Epoch 269/10000
1/1 0s 11ms/step -
accuracy: 0.5308 - loss: 0.8442
Epoch 270/10000
1/1 0s 11ms/step -
accuracy: 0.5315 - loss: 0.8437
Epoch 271/10000
1/1 0s 11ms/step -
accuracy: 0.5313 - loss: 0.8433
Epoch 272/10000
1/1 0s 10ms/step -
accuracy: 0.5314 - loss: 0.8428
Epoch 273/10000
1/1 0s 60ms/step -
accuracy: 0.5310 - loss: 0.8424
Epoch 274/10000
1/1 0s 17ms/step -
accuracy: 0.5311 - loss: 0.8419
Epoch 275/10000
1/1 0s 10ms/step -
accuracy: 0.5316 - loss: 0.8415
Epoch 276/10000
1/1 0s 11ms/step -

accuracy: 0.5319 - loss: 0.8410
Epoch 277/10000
1/1 0s 14ms/step -
accuracy: 0.5318 - loss: 0.8406
Epoch 278/10000
1/1 0s 12ms/step -
accuracy: 0.5317 - loss: 0.8401
Epoch 279/10000
1/1 0s 13ms/step -
accuracy: 0.5322 - loss: 0.8397
Epoch 280/10000
1/1 0s 12ms/step -
accuracy: 0.5327 - loss: 0.8393
Epoch 281/10000
1/1 0s 12ms/step -
accuracy: 0.5337 - loss: 0.8389
Epoch 282/10000
1/1 0s 11ms/step -
accuracy: 0.5339 - loss: 0.8384
Epoch 283/10000
1/1 0s 12ms/step -
accuracy: 0.5339 - loss: 0.8380
Epoch 284/10000
1/1 0s 11ms/step -
accuracy: 0.5337 - loss: 0.8376
Epoch 285/10000
1/1 0s 11ms/step -
accuracy: 0.5336 - loss: 0.8372
Epoch 286/10000
1/1 0s 11ms/step -
accuracy: 0.5344 - loss: 0.8368
Epoch 287/10000
1/1 0s 12ms/step -
accuracy: 0.5343 - loss: 0.8364
Epoch 288/10000
1/1 0s 11ms/step -
accuracy: 0.5342 - loss: 0.8360
Epoch 289/10000
1/1 0s 11ms/step -
accuracy: 0.5349 - loss: 0.8356
Epoch 290/10000
1/1 0s 11ms/step -
accuracy: 0.5352 - loss: 0.8352
Epoch 291/10000
1/1 0s 12ms/step -
accuracy: 0.5348 - loss: 0.8348
Epoch 292/10000
1/1 0s 14ms/step -

accuracy: 0.5349 - loss: 0.8344
Epoch 293/10000
1/1 0s 12ms/step -
accuracy: 0.5353 - loss: 0.8341
Epoch 294/10000
1/1 0s 11ms/step -
accuracy: 0.5358 - loss: 0.8337
Epoch 295/10000
1/1 0s 11ms/step -
accuracy: 0.5349 - loss: 0.8333
Epoch 296/10000
1/1 0s 11ms/step -
accuracy: 0.5347 - loss: 0.8329
Epoch 297/10000
1/1 0s 11ms/step -
accuracy: 0.5347 - loss: 0.8325
Epoch 298/10000
1/1 0s 10ms/step -
accuracy: 0.5345 - loss: 0.8322
Epoch 299/10000
1/1 0s 10ms/step -
accuracy: 0.5342 - loss: 0.8318
Epoch 300/10000
1/1 0s 9ms/step -
accuracy: 0.5347 - loss: 0.8314
Epoch 301/10000
1/1 0s 10ms/step -
accuracy: 0.5350 - loss: 0.8311
Epoch 302/10000
1/1 0s 11ms/step -
accuracy: 0.5349 - loss: 0.8307
Epoch 303/10000
1/1 0s 11ms/step -
accuracy: 0.5355 - loss: 0.8303
Epoch 304/10000
1/1 0s 11ms/step -
accuracy: 0.5360 - loss: 0.8300
Epoch 305/10000
1/1 0s 10ms/step -
accuracy: 0.5359 - loss: 0.8296
Epoch 306/10000
1/1 0s 11ms/step -
accuracy: 0.5355 - loss: 0.8292
Epoch 307/10000
1/1 0s 40ms/step -
accuracy: 0.5355 - loss: 0.8289
Epoch 308/10000
1/1 0s 19ms/step -


```

accuracy: 0.5359 - loss: 0.8285
Epoch 309/10000
1/1          0s 11ms/step -
accuracy: 0.5365 - loss: 0.8282
Epoch 310/10000
1/1          0s 11ms/step -
accuracy: 0.5373 - loss: 0.8278
Epoch 311/10000
1/1          0s 11ms/step -
accuracy: 0.5371 - loss: 0.8275
Epoch 312/10000
1/1          0s 10ms/step -
accuracy: 0.5379 - loss: 0.8271
Epoch 313/10000
1/1          0s 10ms/step -
accuracy: 0.5378 - loss: 0.8268
Epoch 314/10000
1/1          0s 11ms/step -
accuracy: 0.5390 - loss: 0.8264
Epoch 315/10000
1/1          0s 11ms/step -
accuracy: 0.5391 - loss: 0.8261
Epoch 316/10000
1/1          0s 11ms/step -
accuracy: 0.5389 - loss: 0.8257
Epoch 317/10000
1/1          0s 10ms/step -
accuracy: 0.5387 - loss: 0.8254
Epoch 318/10000
1/1          0s 11ms/step -
accuracy: 0.5388 - loss: 0.8250
Epoch 319/10000
1/1          0s 10ms/step -
accuracy: 0.5390 - loss: 0.8247
Epoch 320/10000
1/1          0s 10ms/step -
accuracy: 0.5386 - loss: 0.8243
Epoch 321/10000
1/1          0s 9ms/step -
accuracy: 0.5385 - loss: 0.8240
Epoch 322/10000
1/1          0s 9ms/step -
accuracy: 0.5387 - loss: 0.8237
Epoch 323/10000
1/1          0s 9ms/step -
accuracy: 0.5388 - loss: 0.8233
Epoch 324/10000
1/1          0s 9ms/step -

```

accuracy: 0.5388 - loss: 0.8230
Epoch 325/10000
1/1 0s 10ms/step -
accuracy: 0.5388 - loss: 0.8226
Epoch 326/10000
1/1 0s 10ms/step -
accuracy: 0.5389 - loss: 0.8223
Epoch 327/10000
1/1 0s 11ms/step -
accuracy: 0.5394 - loss: 0.8220
Epoch 328/10000
1/1 0s 11ms/step -
accuracy: 0.5402 - loss: 0.8216
Epoch 329/10000
1/1 0s 11ms/step -
accuracy: 0.5400 - loss: 0.8213
Epoch 330/10000
1/1 0s 10ms/step -
accuracy: 0.5400 - loss: 0.8210
Epoch 331/10000
1/1 0s 14ms/step -
accuracy: 0.5400 - loss: 0.8206
Epoch 332/10000
1/1 0s 14ms/step -
accuracy: 0.5401 - loss: 0.8203
Epoch 333/10000
1/1 0s 13ms/step -
accuracy: 0.5400 - loss: 0.8199
Epoch 334/10000
1/1 0s 12ms/step -
accuracy: 0.5402 - loss: 0.8196
Epoch 335/10000
1/1 0s 12ms/step -
accuracy: 0.5399 - loss: 0.8193
Epoch 336/10000
1/1 0s 13ms/step -
accuracy: 0.5407 - loss: 0.8189
Epoch 337/10000
1/1 0s 14ms/step -
accuracy: 0.5406 - loss: 0.8186
Epoch 338/10000
1/1 0s 21ms/step -
accuracy: 0.5405 - loss: 0.8183
Epoch 339/10000
1/1 0s 36ms/step -
accuracy: 0.5402 - loss: 0.8179
Epoch 340/10000
1/1 0s 19ms/step -

accuracy: 0.5403 - loss: 0.8176
Epoch 341/10000
1/1 0s 16ms/step -
accuracy: 0.5408 - loss: 0.8173
Epoch 342/10000
1/1 0s 11ms/step -
accuracy: 0.5406 - loss: 0.8169
Epoch 343/10000
1/1 0s 10ms/step -
accuracy: 0.5406 - loss: 0.8166
Epoch 344/10000
1/1 0s 9ms/step -
accuracy: 0.5404 - loss: 0.8163
Epoch 345/10000
1/1 0s 10ms/step -
accuracy: 0.5406 - loss: 0.8159
Epoch 346/10000
1/1 0s 11ms/step -
accuracy: 0.5407 - loss: 0.8156
Epoch 347/10000
1/1 0s 11ms/step -
accuracy: 0.5412 - loss: 0.8153
Epoch 348/10000
1/1 0s 11ms/step -
accuracy: 0.5418 - loss: 0.8149
Epoch 349/10000
1/1 0s 11ms/step -
accuracy: 0.5417 - loss: 0.8146
Epoch 350/10000
1/1 0s 11ms/step -
accuracy: 0.5420 - loss: 0.8143
Epoch 351/10000
1/1 0s 11ms/step -
accuracy: 0.5419 - loss: 0.8140
Epoch 352/10000
1/1 0s 11ms/step -
accuracy: 0.5419 - loss: 0.8136
Epoch 353/10000
1/1 0s 11ms/step -
accuracy: 0.5425 - loss: 0.8133
Epoch 354/10000
1/1 0s 11ms/step -
accuracy: 0.5424 - loss: 0.8130
Epoch 355/10000
1/1 0s 11ms/step -
accuracy: 0.5424 - loss: 0.8126
Epoch 356/10000
1/1 0s 11ms/step -

```

accuracy: 0.5423 - loss: 0.8123
Epoch 357/10000
1/1          0s 10ms/step -
accuracy: 0.5423 - loss: 0.8120
Epoch 358/10000
1/1          0s 10ms/step -
accuracy: 0.5427 - loss: 0.8116
Epoch 359/10000
1/1          0s 10ms/step -
accuracy: 0.5427 - loss: 0.8113
Epoch 360/10000
1/1          0s 11ms/step -
accuracy: 0.5430 - loss: 0.8110
Epoch 361/10000
1/1          0s 10ms/step -
accuracy: 0.5439 - loss: 0.8106
Epoch 362/10000
1/1          0s 10ms/step -
accuracy: 0.5450 - loss: 0.8103
Epoch 363/10000
1/1          0s 10ms/step -
accuracy: 0.5454 - loss: 0.8100
Epoch 364/10000
1/1          0s 10ms/step -
accuracy: 0.5457 - loss: 0.8097
Epoch 365/10000
1/1          0s 11ms/step -
accuracy: 0.5457 - loss: 0.8093
Epoch 366/10000
1/1          0s 10ms/step -
accuracy: 0.5458 - loss: 0.8090
Epoch 367/10000
1/1          0s 11ms/step -
accuracy: 0.5457 - loss: 0.8087
Epoch 368/10000
1/1          0s 9ms/step -
accuracy: 0.5457 - loss: 0.8083
Epoch 369/10000
1/1          0s 10ms/step -
accuracy: 0.5459 - loss: 0.8080
Epoch 370/10000
1/1          0s 9ms/step -
accuracy: 0.5459 - loss: 0.8077
Epoch 371/10000
1/1          0s 9ms/step -
accuracy: 0.5459 - loss: 0.8073
Epoch 372/10000
1/1          0s 40ms/step -

```

accuracy: 0.5461 - loss: 0.8070
Epoch 373/10000
1/1 0s 18ms/step -
accuracy: 0.5465 - loss: 0.8067
Epoch 374/10000
1/1 0s 11ms/step -
accuracy: 0.5464 - loss: 0.8063
Epoch 375/10000
1/1 0s 11ms/step -
accuracy: 0.5464 - loss: 0.8060
Epoch 376/10000
1/1 0s 11ms/step -
accuracy: 0.5464 - loss: 0.8057
Epoch 377/10000
1/1 0s 13ms/step -
accuracy: 0.5464 - loss: 0.8054
Epoch 378/10000
1/1 0s 11ms/step -
accuracy: 0.5464 - loss: 0.8050
Epoch 379/10000
1/1 0s 11ms/step -
accuracy: 0.5464 - loss: 0.8047
Epoch 380/10000
1/1 0s 12ms/step -
accuracy: 0.5464 - loss: 0.8044
Epoch 381/10000
1/1 0s 11ms/step -
accuracy: 0.5471 - loss: 0.8040
Epoch 382/10000
1/1 0s 11ms/step -
accuracy: 0.5475 - loss: 0.8037
Epoch 383/10000
1/1 0s 10ms/step -
accuracy: 0.5475 - loss: 0.8034
Epoch 384/10000
1/1 0s 10ms/step -
accuracy: 0.5475 - loss: 0.8030
Epoch 385/10000
1/1 0s 9ms/step -
accuracy: 0.5477 - loss: 0.8027
Epoch 386/10000
1/1 0s 9ms/step -
accuracy: 0.5478 - loss: 0.8024
Epoch 387/10000
1/1 0s 9ms/step -
accuracy: 0.5478 - loss: 0.8020
Epoch 388/10000
1/1 0s 9ms/step -

accuracy: 0.5478 - loss: 0.8017
Epoch 389/10000
1/1 0s 9ms/step -
accuracy: 0.5479 - loss: 0.8014
Epoch 390/10000
1/1 0s 9ms/step -
accuracy: 0.5479 - loss: 0.8010
Epoch 391/10000
1/1 0s 9ms/step -
accuracy: 0.5480 - loss: 0.8007
Epoch 392/10000
1/1 0s 9ms/step -
accuracy: 0.5479 - loss: 0.8004
Epoch 393/10000
1/1 0s 8ms/step -
accuracy: 0.5479 - loss: 0.8000
Epoch 394/10000
1/1 0s 9ms/step -
accuracy: 0.5482 - loss: 0.7997
Epoch 395/10000
1/1 0s 9ms/step -
accuracy: 0.5482 - loss: 0.7994
Epoch 396/10000
1/1 0s 9ms/step -
accuracy: 0.5482 - loss: 0.7990
Epoch 397/10000
1/1 0s 9ms/step -
accuracy: 0.5486 - loss: 0.7987
Epoch 398/10000
1/1 0s 9ms/step -
accuracy: 0.5485 - loss: 0.7984
Epoch 399/10000
1/1 0s 9ms/step -
accuracy: 0.5485 - loss: 0.7980
Epoch 400/10000
1/1 0s 11ms/step -
accuracy: 0.5485 - loss: 0.7977
Epoch 401/10000
1/1 0s 39ms/step -
accuracy: 0.5485 - loss: 0.7974
Epoch 402/10000
1/1 0s 18ms/step -
accuracy: 0.5485 - loss: 0.7971
Epoch 403/10000
1/1 0s 11ms/step -
accuracy: 0.5489 - loss: 0.7967
Epoch 404/10000
1/1 0s 11ms/step -

accuracy: 0.5496 - loss: 0.7964
Epoch 405/10000
1/1 0s 11ms/step -
accuracy: 0.5499 - loss: 0.7961
Epoch 406/10000
1/1 0s 11ms/step -
accuracy: 0.5501 - loss: 0.7957
Epoch 407/10000
1/1 0s 10ms/step -
accuracy: 0.5502 - loss: 0.7954
Epoch 408/10000
1/1 0s 10ms/step -
accuracy: 0.5503 - loss: 0.7950
Epoch 409/10000
1/1 0s 9ms/step -
accuracy: 0.5504 - loss: 0.7947
Epoch 410/10000
1/1 0s 9ms/step -
accuracy: 0.5510 - loss: 0.7944
Epoch 411/10000
1/1 0s 9ms/step -
accuracy: 0.5510 - loss: 0.7940
Epoch 412/10000
1/1 0s 9ms/step -
accuracy: 0.5513 - loss: 0.7937
Epoch 413/10000
1/1 0s 10ms/step -
accuracy: 0.5512 - loss: 0.7934
Epoch 414/10000
1/1 0s 10ms/step -
accuracy: 0.5514 - loss: 0.7930
Epoch 415/10000
1/1 0s 10ms/step -
accuracy: 0.5519 - loss: 0.7927
Epoch 416/10000
1/1 0s 9ms/step -
accuracy: 0.5524 - loss: 0.7924
Epoch 417/10000
1/1 0s 9ms/step -
accuracy: 0.5524 - loss: 0.7920
Epoch 418/10000
1/1 0s 9ms/step -
accuracy: 0.5525 - loss: 0.7917
Epoch 419/10000
1/1 0s 9ms/step -
accuracy: 0.5525 - loss: 0.7914
Epoch 420/10000
1/1 0s 9ms/step -

accuracy: 0.5524 - loss: 0.7910
Epoch 421/10000
1/1 0s 9ms/step -
accuracy: 0.5525 - loss: 0.7907
Epoch 422/10000
1/1 0s 9ms/step -
accuracy: 0.5527 - loss: 0.7904
Epoch 423/10000
1/1 0s 9ms/step -
accuracy: 0.5526 - loss: 0.7900
Epoch 424/10000
1/1 0s 9ms/step -
accuracy: 0.5527 - loss: 0.7897
Epoch 425/10000
1/1 0s 9ms/step -
accuracy: 0.5527 - loss: 0.7894
Epoch 426/10000
1/1 0s 8ms/step -
accuracy: 0.5530 - loss: 0.7890
Epoch 427/10000
1/1 0s 9ms/step -
accuracy: 0.5529 - loss: 0.7887
Epoch 428/10000
1/1 0s 8ms/step -
accuracy: 0.5534 - loss: 0.7884
Epoch 429/10000
1/1 0s 9ms/step -
accuracy: 0.5534 - loss: 0.7880
Epoch 430/10000
1/1 0s 9ms/step -
accuracy: 0.5538 - loss: 0.7877
Epoch 431/10000
1/1 0s 8ms/step -
accuracy: 0.5539 - loss: 0.7873
Epoch 432/10000
1/1 0s 9ms/step -
accuracy: 0.5539 - loss: 0.7870
Epoch 433/10000
1/1 0s 26ms/step -
accuracy: 0.5539 - loss: 0.7867
Epoch 434/10000
1/1 0s 19ms/step -
accuracy: 0.5536 - loss: 0.7863
Epoch 435/10000
1/1 0s 9ms/step -
accuracy: 0.5534 - loss: 0.7860
Epoch 436/10000
1/1 0s 9ms/step -

accuracy: 0.5534 - loss: 0.7857
Epoch 437/10000
1/1 0s 9ms/step -
accuracy: 0.5539 - loss: 0.7853
Epoch 438/10000
1/1 0s 9ms/step -
accuracy: 0.5545 - loss: 0.7850
Epoch 439/10000
1/1 0s 9ms/step -
accuracy: 0.5546 - loss: 0.7847
Epoch 440/10000
1/1 0s 9ms/step -
accuracy: 0.5547 - loss: 0.7843
Epoch 441/10000
1/1 0s 9ms/step -
accuracy: 0.5550 - loss: 0.7840
Epoch 442/10000
1/1 0s 9ms/step -
accuracy: 0.5549 - loss: 0.7836
Epoch 443/10000
1/1 0s 9ms/step -
accuracy: 0.5550 - loss: 0.7833
Epoch 444/10000
1/1 0s 9ms/step -
accuracy: 0.5552 - loss: 0.7830
Epoch 445/10000
1/1 0s 9ms/step -
accuracy: 0.5552 - loss: 0.7826
Epoch 446/10000
1/1 0s 9ms/step -
accuracy: 0.5553 - loss: 0.7823
Epoch 447/10000
1/1 0s 9ms/step -
accuracy: 0.5553 - loss: 0.7820
Epoch 448/10000
1/1 0s 9ms/step -
accuracy: 0.5553 - loss: 0.7816
Epoch 449/10000
1/1 0s 8ms/step -
accuracy: 0.5570 - loss: 0.7813
Epoch 450/10000
1/1 0s 9ms/step -
accuracy: 0.5575 - loss: 0.7810
Epoch 451/10000
1/1 0s 8ms/step -
accuracy: 0.5575 - loss: 0.7806
Epoch 452/10000
1/1 0s 9ms/step -

accuracy: 0.5576 - loss: 0.7803
Epoch 453/10000
1/1 0s 9ms/step -
accuracy: 0.5577 - loss: 0.7799
Epoch 454/10000
1/1 0s 9ms/step -
accuracy: 0.5584 - loss: 0.7796
Epoch 455/10000
1/1 0s 9ms/step -
accuracy: 0.5584 - loss: 0.7793
Epoch 456/10000
1/1 0s 9ms/step -
accuracy: 0.5589 - loss: 0.7789
Epoch 457/10000
1/1 0s 9ms/step -
accuracy: 0.5589 - loss: 0.7786
Epoch 458/10000
1/1 0s 9ms/step -
accuracy: 0.5590 - loss: 0.7783
Epoch 459/10000
1/1 0s 9ms/step -
accuracy: 0.5590 - loss: 0.7779
Epoch 460/10000
1/1 0s 9ms/step -
accuracy: 0.5592 - loss: 0.7776
Epoch 461/10000
1/1 0s 9ms/step -
accuracy: 0.5591 - loss: 0.7772
Epoch 462/10000
1/1 0s 9ms/step -
accuracy: 0.5591 - loss: 0.7769
Epoch 463/10000
1/1 0s 37ms/step -
accuracy: 0.5592 - loss: 0.7766
Epoch 464/10000
1/1 0s 19ms/step -
accuracy: 0.5595 - loss: 0.7762
Epoch 465/10000
1/1 0s 12ms/step -
accuracy: 0.5599 - loss: 0.7759
Epoch 466/10000
1/1 0s 12ms/step -
accuracy: 0.5600 - loss: 0.7756
Epoch 467/10000
1/1 0s 11ms/step -
accuracy: 0.5602 - loss: 0.7752
Epoch 468/10000
1/1 0s 12ms/step -

accuracy: 0.5603 - loss: 0.7749
Epoch 469/10000
1/1 0s 12ms/step -
accuracy: 0.5604 - loss: 0.7745
Epoch 470/10000
1/1 0s 13ms/step -
accuracy: 0.5605 - loss: 0.7742
Epoch 471/10000
1/1 0s 12ms/step -
accuracy: 0.5606 - loss: 0.7739
Epoch 472/10000
1/1 0s 13ms/step -
accuracy: 0.5608 - loss: 0.7735
Epoch 473/10000
1/1 0s 12ms/step -
accuracy: 0.5609 - loss: 0.7732
Epoch 474/10000
1/1 0s 11ms/step -
accuracy: 0.5610 - loss: 0.7728
Epoch 475/10000
1/1 0s 13ms/step -
accuracy: 0.5610 - loss: 0.7725
Epoch 476/10000
1/1 0s 12ms/step -
accuracy: 0.5612 - loss: 0.7722
Epoch 477/10000
1/1 0s 12ms/step -
accuracy: 0.5613 - loss: 0.7718
Epoch 478/10000
1/1 0s 13ms/step -
accuracy: 0.5614 - loss: 0.7715
Epoch 479/10000
1/1 0s 12ms/step -
accuracy: 0.5615 - loss: 0.7712
Epoch 480/10000
1/1 0s 11ms/step -
accuracy: 0.5616 - loss: 0.7708
Epoch 481/10000
1/1 0s 10ms/step -
accuracy: 0.5619 - loss: 0.7705
Epoch 482/10000
1/1 0s 10ms/step -
accuracy: 0.5622 - loss: 0.7701
Epoch 483/10000
1/1 0s 10ms/step -
accuracy: 0.5623 - loss: 0.7698
Epoch 484/10000
1/1 0s 9ms/step -

accuracy: 0.5625 - loss: 0.7695
Epoch 485/10000
1/1 0s 9ms/step -
accuracy: 0.5625 - loss: 0.7691
Epoch 486/10000
1/1 0s 9ms/step -
accuracy: 0.5627 - loss: 0.7688
Epoch 487/10000
1/1 0s 9ms/step -
accuracy: 0.5627 - loss: 0.7684
Epoch 488/10000
1/1 0s 9ms/step -
accuracy: 0.5626 - loss: 0.7681
Epoch 489/10000
1/1 0s 10ms/step -
accuracy: 0.5627 - loss: 0.7678
Epoch 490/10000
1/1 0s 27ms/step -
accuracy: 0.5630 - loss: 0.7674
Epoch 491/10000
1/1 0s 26ms/step -
accuracy: 0.5630 - loss: 0.7671
Epoch 492/10000
1/1 0s 12ms/step -
accuracy: 0.5631 - loss: 0.7668
Epoch 493/10000
1/1 0s 10ms/step -
accuracy: 0.5638 - loss: 0.7664
Epoch 494/10000
1/1 0s 11ms/step -
accuracy: 0.5644 - loss: 0.7661
Epoch 495/10000
1/1 0s 10ms/step -
accuracy: 0.5646 - loss: 0.7657
Epoch 496/10000
1/1 0s 10ms/step -
accuracy: 0.5647 - loss: 0.7654
Epoch 497/10000
1/1 0s 10ms/step -
accuracy: 0.5649 - loss: 0.7651
Epoch 498/10000
1/1 0s 10ms/step -
accuracy: 0.5649 - loss: 0.7647
Epoch 499/10000
1/1 0s 10ms/step -
accuracy: 0.5650 - loss: 0.7644
Epoch 500/10000
1/1 0s 10ms/step -

accuracy: 0.5651 - loss: 0.7641
Epoch 501/10000
1/1 0s 10ms/step -
accuracy: 0.5652 - loss: 0.7637
Epoch 502/10000
1/1 0s 10ms/step -
accuracy: 0.5655 - loss: 0.7634
Epoch 503/10000
1/1 0s 11ms/step -
accuracy: 0.5655 - loss: 0.7630
Epoch 504/10000
1/1 0s 10ms/step -
accuracy: 0.5656 - loss: 0.7627
Epoch 505/10000
1/1 0s 10ms/step -
accuracy: 0.5660 - loss: 0.7624
Epoch 506/10000
1/1 0s 10ms/step -
accuracy: 0.5661 - loss: 0.7620
Epoch 507/10000
1/1 0s 10ms/step -
accuracy: 0.5669 - loss: 0.7617
Epoch 508/10000
1/1 0s 9ms/step -
accuracy: 0.5670 - loss: 0.7613
Epoch 509/10000
1/1 0s 9ms/step -
accuracy: 0.5671 - loss: 0.7610
Epoch 510/10000
1/1 0s 9ms/step -
accuracy: 0.5677 - loss: 0.7607
Epoch 511/10000
1/1 0s 9ms/step -
accuracy: 0.5679 - loss: 0.7603
Epoch 512/10000
1/1 0s 9ms/step -
accuracy: 0.5680 - loss: 0.7600
Epoch 513/10000
1/1 0s 9ms/step -
accuracy: 0.5681 - loss: 0.7597
Epoch 514/10000
1/1 0s 9ms/step -
accuracy: 0.5682 - loss: 0.7593
Epoch 515/10000
1/1 0s 9ms/step -
accuracy: 0.5685 - loss: 0.7590
Epoch 516/10000
1/1 0s 9ms/step -

accuracy: 0.5686 - loss: 0.7586
Epoch 517/10000
1/1 0s 9ms/step -
accuracy: 0.5686 - loss: 0.7583
Epoch 518/10000
1/1 0s 25ms/step -
accuracy: 0.5692 - loss: 0.7580
Epoch 519/10000
1/1 0s 25ms/step -
accuracy: 0.5696 - loss: 0.7576
Epoch 520/10000
1/1 0s 12ms/step -
accuracy: 0.5701 - loss: 0.7573
Epoch 521/10000
1/1 0s 11ms/step -
accuracy: 0.5703 - loss: 0.7569
Epoch 522/10000
1/1 0s 13ms/step -
accuracy: 0.5705 - loss: 0.7566
Epoch 523/10000
1/1 0s 11ms/step -
accuracy: 0.5714 - loss: 0.7563
Epoch 524/10000
1/1 0s 11ms/step -
accuracy: 0.5715 - loss: 0.7559
Epoch 525/10000
1/1 0s 12ms/step -
accuracy: 0.5716 - loss: 0.7556
Epoch 526/10000
1/1 0s 11ms/step -
accuracy: 0.5718 - loss: 0.7553
Epoch 527/10000
1/1 0s 11ms/step -
accuracy: 0.5718 - loss: 0.7549
Epoch 528/10000
1/1 0s 10ms/step -
accuracy: 0.5718 - loss: 0.7546
Epoch 529/10000
1/1 0s 11ms/step -
accuracy: 0.5719 - loss: 0.7542
Epoch 530/10000
1/1 0s 11ms/step -
accuracy: 0.5720 - loss: 0.7539
Epoch 531/10000
1/1 0s 10ms/step -
accuracy: 0.5724 - loss: 0.7536
Epoch 532/10000
1/1 0s 11ms/step -

accuracy: 0.5724 - loss: 0.7532
Epoch 533/10000
1/1 0s 10ms/step -
accuracy: 0.5724 - loss: 0.7529
Epoch 534/10000
1/1 0s 11ms/step -
accuracy: 0.5724 - loss: 0.7526
Epoch 535/10000
1/1 0s 11ms/step -
accuracy: 0.5724 - loss: 0.7522
Epoch 536/10000
1/1 0s 11ms/step -
accuracy: 0.5729 - loss: 0.7519
Epoch 537/10000
1/1 0s 11ms/step -
accuracy: 0.5730 - loss: 0.7515
Epoch 538/10000
1/1 0s 9ms/step -
accuracy: 0.5731 - loss: 0.7512
Epoch 539/10000
1/1 0s 10ms/step -
accuracy: 0.5733 - loss: 0.7509
Epoch 540/10000
1/1 0s 34ms/step -
accuracy: 0.5733 - loss: 0.7505
Epoch 541/10000
1/1 0s 16ms/step -
accuracy: 0.5735 - loss: 0.7502
Epoch 542/10000
1/1 0s 11ms/step -
accuracy: 0.5743 - loss: 0.7499
Epoch 543/10000
1/1 0s 11ms/step -
accuracy: 0.5743 - loss: 0.7495
Epoch 544/10000
1/1 0s 10ms/step -
accuracy: 0.5756 - loss: 0.7492
Epoch 545/10000
1/1 0s 11ms/step -
accuracy: 0.5757 - loss: 0.7488
Epoch 546/10000
1/1 0s 11ms/step -
accuracy: 0.5762 - loss: 0.7485
Epoch 547/10000
1/1 0s 11ms/step -
accuracy: 0.5762 - loss: 0.7482
Epoch 548/10000
1/1 0s 11ms/step -

accuracy: 0.5761 - loss: 0.7478
Epoch 549/10000
1/1 0s 11ms/step -
accuracy: 0.5761 - loss: 0.7475
Epoch 550/10000
1/1 0s 11ms/step -
accuracy: 0.5762 - loss: 0.7472
Epoch 551/10000
1/1 0s 11ms/step -
accuracy: 0.5768 - loss: 0.7468
Epoch 552/10000
1/1 0s 11ms/step -
accuracy: 0.5769 - loss: 0.7465
Epoch 553/10000
1/1 0s 11ms/step -
accuracy: 0.5774 - loss: 0.7462
Epoch 554/10000
1/1 0s 11ms/step -
accuracy: 0.5775 - loss: 0.7458
Epoch 555/10000
1/1 0s 11ms/step -
accuracy: 0.5774 - loss: 0.7455
Epoch 556/10000
1/1 0s 10ms/step -
accuracy: 0.5775 - loss: 0.7451
Epoch 557/10000
1/1 0s 11ms/step -
accuracy: 0.5776 - loss: 0.7448
Epoch 558/10000
1/1 0s 11ms/step -
accuracy: 0.5777 - loss: 0.7445
Epoch 559/10000
1/1 0s 11ms/step -
accuracy: 0.5779 - loss: 0.7441
Epoch 560/10000
1/1 0s 11ms/step -
accuracy: 0.5786 - loss: 0.7438
Epoch 561/10000
1/1 0s 11ms/step -
accuracy: 0.5787 - loss: 0.7435
Epoch 562/10000
1/1 0s 34ms/step -
accuracy: 0.5789 - loss: 0.7431
Epoch 563/10000
1/1 0s 30ms/step -
accuracy: 0.5790 - loss: 0.7428
Epoch 564/10000
1/1 0s 11ms/step -

accuracy: 0.5791 - loss: 0.7425
Epoch 565/10000
1/1 0s 10ms/step -
accuracy: 0.5795 - loss: 0.7421
Epoch 566/10000
1/1 0s 11ms/step -
accuracy: 0.5795 - loss: 0.7418
Epoch 567/10000
1/1 0s 10ms/step -
accuracy: 0.5800 - loss: 0.7415
Epoch 568/10000
1/1 0s 11ms/step -
accuracy: 0.5804 - loss: 0.7411
Epoch 569/10000
1/1 0s 16ms/step -
accuracy: 0.5808 - loss: 0.7408
Epoch 570/10000
1/1 0s 12ms/step -
accuracy: 0.5808 - loss: 0.7405
Epoch 571/10000
1/1 0s 13ms/step -
accuracy: 0.5809 - loss: 0.7401
Epoch 572/10000
1/1 0s 12ms/step -
accuracy: 0.5809 - loss: 0.7398
Epoch 573/10000
1/1 0s 19ms/step -
accuracy: 0.5810 - loss: 0.7394
Epoch 574/10000
1/1 0s 23ms/step -
accuracy: 0.5811 - loss: 0.7391
Epoch 575/10000
1/1 0s 18ms/step -
accuracy: 0.5810 - loss: 0.7388
Epoch 576/10000
1/1 0s 19ms/step -
accuracy: 0.5810 - loss: 0.7384
Epoch 577/10000
1/1 0s 21ms/step -
accuracy: 0.5810 - loss: 0.7381
Epoch 578/10000
1/1 0s 12ms/step -
accuracy: 0.5810 - loss: 0.7378
Epoch 579/10000
1/1 0s 20ms/step -
accuracy: 0.5817 - loss: 0.7374
Epoch 580/10000
1/1 0s 11ms/step -

accuracy: 0.5822 - loss: 0.7371
Epoch 581/10000
1/1 0s 33ms/step -
accuracy: 0.5822 - loss: 0.7368
Epoch 582/10000
1/1 0s 43ms/step -
accuracy: 0.5822 - loss: 0.7364
Epoch 583/10000
1/1 0s 10ms/step -
accuracy: 0.5822 - loss: 0.7361
Epoch 584/10000
1/1 0s 11ms/step -
accuracy: 0.5822 - loss: 0.7358
Epoch 585/10000
1/1 0s 11ms/step -
accuracy: 0.5823 - loss: 0.7354
Epoch 586/10000
1/1 0s 21ms/step -
accuracy: 0.5824 - loss: 0.7351
Epoch 587/10000
1/1 0s 10ms/step -
accuracy: 0.5837 - loss: 0.7348
Epoch 588/10000
1/1 0s 24ms/step -
accuracy: 0.5838 - loss: 0.7344
Epoch 589/10000
1/1 0s 10ms/step -
accuracy: 0.5838 - loss: 0.7341
Epoch 590/10000
1/1 0s 10ms/step -
accuracy: 0.5839 - loss: 0.7338
Epoch 591/10000
1/1 0s 25ms/step -
accuracy: 0.5839 - loss: 0.7334
Epoch 592/10000
1/1 0s 11ms/step -
accuracy: 0.5838 - loss: 0.7331
Epoch 593/10000
1/1 0s 12ms/step -
accuracy: 0.5842 - loss: 0.7328
Epoch 594/10000
1/1 0s 33ms/step -
accuracy: 0.5846 - loss: 0.7324
Epoch 595/10000
1/1 0s 13ms/step -
accuracy: 0.5847 - loss: 0.7321
Epoch 596/10000
1/1 0s 13ms/step -

accuracy: 0.5850 - loss: 0.7318
Epoch 597/10000
1/1 0s 13ms/step -
accuracy: 0.5856 - loss: 0.7314
Epoch 598/10000
1/1 0s 32ms/step -
accuracy: 0.5858 - loss: 0.7311
Epoch 599/10000
1/1 0s 12ms/step -
accuracy: 0.5858 - loss: 0.7308
Epoch 600/10000
1/1 0s 72ms/step -
accuracy: 0.5858 - loss: 0.7304
Epoch 601/10000
1/1 0s 24ms/step -
accuracy: 0.5858 - loss: 0.7301
Epoch 602/10000
1/1 0s 19ms/step -
accuracy: 0.5859 - loss: 0.7298
Epoch 603/10000
1/1 0s 10ms/step -
accuracy: 0.5860 - loss: 0.7294
Epoch 604/10000
1/1 0s 10ms/step -
accuracy: 0.5861 - loss: 0.7291
Epoch 605/10000
1/1 0s 9ms/step -
accuracy: 0.5862 - loss: 0.7288
Epoch 606/10000
1/1 0s 9ms/step -
accuracy: 0.5863 - loss: 0.7285
Epoch 607/10000
1/1 0s 9ms/step -
accuracy: 0.5863 - loss: 0.7281
Epoch 608/10000
1/1 0s 9ms/step -
accuracy: 0.5862 - loss: 0.7278
Epoch 609/10000
1/1 0s 9ms/step -
accuracy: 0.5861 - loss: 0.7275
Epoch 610/10000
1/1 0s 9ms/step -
accuracy: 0.5861 - loss: 0.7271
Epoch 611/10000
1/1 0s 9ms/step -
accuracy: 0.5865 - loss: 0.7268
Epoch 612/10000
1/1 0s 9ms/step -

accuracy: 0.5869 - loss: 0.7265
Epoch 613/10000
1/1 0s 9ms/step -
accuracy: 0.5873 - loss: 0.7261
Epoch 614/10000
1/1 0s 9ms/step -
accuracy: 0.5876 - loss: 0.7258
Epoch 615/10000
1/1 0s 9ms/step -
accuracy: 0.5879 - loss: 0.7255
Epoch 616/10000
1/1 0s 9ms/step -
accuracy: 0.5882 - loss: 0.7252
Epoch 617/10000
1/1 0s 9ms/step -
accuracy: 0.5883 - loss: 0.7248
Epoch 618/10000
1/1 0s 9ms/step -
accuracy: 0.5884 - loss: 0.7245
Epoch 619/10000
1/1 0s 10ms/step -
accuracy: 0.5878 - loss: 0.7242
Epoch 620/10000
1/1 0s 29ms/step -
accuracy: 0.5878 - loss: 0.7238
Epoch 621/10000
1/1 0s 29ms/step -
accuracy: 0.5883 - loss: 0.7235
Epoch 622/10000
1/1 0s 12ms/step -
accuracy: 0.5890 - loss: 0.7232
Epoch 623/10000
1/1 0s 11ms/step -
accuracy: 0.5890 - loss: 0.7228
Epoch 624/10000
1/1 0s 10ms/step -
accuracy: 0.5896 - loss: 0.7225
Epoch 625/10000
1/1 0s 10ms/step -
accuracy: 0.5901 - loss: 0.7222
Epoch 626/10000
1/1 0s 9ms/step -
accuracy: 0.5903 - loss: 0.7219
Epoch 627/10000
1/1 0s 9ms/step -
accuracy: 0.5904 - loss: 0.7215
Epoch 628/10000
1/1 0s 9ms/step -

```

accuracy: 0.5909 - loss: 0.7212
Epoch 629/10000
1/1          0s 9ms/step -
accuracy: 0.5910 - loss: 0.7209
Epoch 630/10000
1/1          0s 9ms/step -
accuracy: 0.5911 - loss: 0.7205
Epoch 631/10000
1/1          0s 9ms/step -
accuracy: 0.5913 - loss: 0.7202
Epoch 632/10000
1/1          0s 9ms/step -
accuracy: 0.5917 - loss: 0.7199
Epoch 633/10000
1/1          0s 9ms/step -
accuracy: 0.5918 - loss: 0.7196
Epoch 634/10000
1/1          0s 9ms/step -
accuracy: 0.5922 - loss: 0.7192
Epoch 635/10000
1/1          0s 9ms/step -
accuracy: 0.5926 - loss: 0.7189
Epoch 636/10000
1/1          0s 8ms/step -
accuracy: 0.5928 - loss: 0.7186
Epoch 637/10000
1/1          0s 8ms/step -
accuracy: 0.5931 - loss: 0.7183
Epoch 638/10000
1/1          0s 9ms/step -
accuracy: 0.5931 - loss: 0.7179
Epoch 639/10000
1/1          0s 9ms/step -
accuracy: 0.5937 - loss: 0.7176
Epoch 640/10000
1/1          0s 29ms/step -
accuracy: 0.5937 - loss: 0.7173
Epoch 641/10000
1/1          0s 15ms/step -
accuracy: 0.5940 - loss: 0.7169
Epoch 642/10000
1/1          0s 9ms/step -
accuracy: 0.5940 - loss: 0.7166
Epoch 643/10000
1/1          0s 9ms/step -
accuracy: 0.5939 - loss: 0.7163
Epoch 644/10000
1/1          0s 8ms/step -

```

accuracy: 0.5938 - loss: 0.7160
Epoch 645/10000
1/1 0s 9ms/step -
accuracy: 0.5938 - loss: 0.7156
Epoch 646/10000
1/1 0s 9ms/step -
accuracy: 0.5937 - loss: 0.7153
Epoch 647/10000
1/1 0s 8ms/step -
accuracy: 0.5935 - loss: 0.7150
Epoch 648/10000
1/1 0s 9ms/step -
accuracy: 0.5940 - loss: 0.7147
Epoch 649/10000
1/1 0s 9ms/step -
accuracy: 0.5950 - loss: 0.7143
Epoch 650/10000
1/1 0s 9ms/step -
accuracy: 0.5954 - loss: 0.7140
Epoch 651/10000
1/1 0s 9ms/step -
accuracy: 0.5954 - loss: 0.7137
Epoch 652/10000
1/1 0s 9ms/step -
accuracy: 0.5957 - loss: 0.7134
Epoch 653/10000
1/1 0s 9ms/step -
accuracy: 0.5961 - loss: 0.7130
Epoch 654/10000
1/1 0s 9ms/step -
accuracy: 0.5961 - loss: 0.7127
Epoch 655/10000
1/1 0s 9ms/step -
accuracy: 0.5961 - loss: 0.7124
Epoch 656/10000
1/1 0s 10ms/step -
accuracy: 0.5961 - loss: 0.7121
Epoch 657/10000
1/1 0s 10ms/step -
accuracy: 0.5960 - loss: 0.7117
Epoch 658/10000
1/1 0s 9ms/step -
accuracy: 0.5962 - loss: 0.7114
Epoch 659/10000
1/1 0s 31ms/step -
accuracy: 0.5963 - loss: 0.7111
Epoch 660/10000
1/1 0s 20ms/step -

accuracy: 0.5967 - loss: 0.7108
Epoch 661/10000
1/1 0s 9ms/step -
accuracy: 0.5969 - loss: 0.7105
Epoch 662/10000
1/1 0s 10ms/step -
accuracy: 0.5973 - loss: 0.7101
Epoch 663/10000
1/1 0s 9ms/step -
accuracy: 0.5975 - loss: 0.7098
Epoch 664/10000
1/1 0s 9ms/step -
accuracy: 0.5977 - loss: 0.7095
Epoch 665/10000
1/1 0s 9ms/step -
accuracy: 0.5979 - loss: 0.7092
Epoch 666/10000
1/1 0s 9ms/step -
accuracy: 0.5980 - loss: 0.7088
Epoch 667/10000
1/1 0s 9ms/step -
accuracy: 0.5981 - loss: 0.7085
Epoch 668/10000
1/1 0s 9ms/step -
accuracy: 0.5986 - loss: 0.7082
Epoch 669/10000
1/1 0s 9ms/step -
accuracy: 0.5991 - loss: 0.7079
Epoch 670/10000
1/1 0s 10ms/step -
accuracy: 0.5995 - loss: 0.7076
Epoch 671/10000
1/1 0s 11ms/step -
accuracy: 0.5996 - loss: 0.7072
Epoch 672/10000
1/1 0s 12ms/step -
accuracy: 0.5999 - loss: 0.7069
Epoch 673/10000
1/1 0s 11ms/step -
accuracy: 0.5999 - loss: 0.7066
Epoch 674/10000
1/1 0s 11ms/step -
accuracy: 0.5998 - loss: 0.7063
Epoch 675/10000
1/1 0s 12ms/step -
accuracy: 0.6002 - loss: 0.7059
Epoch 676/10000
1/1 0s 12ms/step -

```

accuracy: 0.6004 - loss: 0.7056
Epoch 677/10000
1/1          0s 38ms/step -
accuracy: 0.6006 - loss: 0.7053
Epoch 678/10000
1/1          0s 25ms/step -
accuracy: 0.6008 - loss: 0.7050
Epoch 679/10000
1/1          0s 30ms/step -
accuracy: 0.6008 - loss: 0.7047
Epoch 680/10000
1/1          0s 16ms/step -
accuracy: 0.6010 - loss: 0.7043
Epoch 681/10000
1/1          0s 13ms/step -
accuracy: 0.6010 - loss: 0.7040
Epoch 682/10000
1/1          0s 10ms/step -
accuracy: 0.6010 - loss: 0.7037
Epoch 683/10000
1/1          0s 11ms/step -
accuracy: 0.6014 - loss: 0.7034
Epoch 684/10000
1/1          0s 22ms/step -
accuracy: 0.6016 - loss: 0.7031
Epoch 685/10000
1/1          0s 15ms/step -
accuracy: 0.6019 - loss: 0.7028
Epoch 686/10000
1/1          0s 14ms/step -
accuracy: 0.6024 - loss: 0.7024
Epoch 687/10000
1/1          0s 11ms/step -
accuracy: 0.6028 - loss: 0.7021
Epoch 688/10000
1/1          0s 12ms/step -
accuracy: 0.6032 - loss: 0.7018
Epoch 689/10000
1/1          0s 13ms/step -
accuracy: 0.6036 - loss: 0.7015
Epoch 690/10000
1/1          0s 11ms/step -
accuracy: 0.6037 - loss: 0.7012
Epoch 691/10000
1/1          0s 10ms/step -
accuracy: 0.6037 - loss: 0.7008
Epoch 692/10000
1/1          0s 10ms/step -

```


accuracy: 0.6040 - loss: 0.7005
Epoch 693/10000
1/1 0s 10ms/step -
accuracy: 0.6047 - loss: 0.7002
Epoch 694/10000
1/1 0s 31ms/step -
accuracy: 0.6050 - loss: 0.6999
Epoch 695/10000
1/1 0s 27ms/step -
accuracy: 0.6051 - loss: 0.6996
Epoch 696/10000
1/1 0s 10ms/step -
accuracy: 0.6052 - loss: 0.6993
Epoch 697/10000
1/1 0s 9ms/step -
accuracy: 0.6052 - loss: 0.6989
Epoch 698/10000
1/1 0s 10ms/step -
accuracy: 0.6053 - loss: 0.6986
Epoch 699/10000
1/1 0s 9ms/step -
accuracy: 0.6056 - loss: 0.6983
Epoch 700/10000
1/1 0s 10ms/step -
accuracy: 0.6059 - loss: 0.6980
Epoch 701/10000
1/1 0s 9ms/step -
accuracy: 0.6061 - loss: 0.6977
Epoch 702/10000
1/1 0s 9ms/step -
accuracy: 0.6061 - loss: 0.6974
Epoch 703/10000
1/1 0s 9ms/step -
accuracy: 0.6063 - loss: 0.6971
Epoch 704/10000
1/1 0s 8ms/step -
accuracy: 0.6064 - loss: 0.6967
Epoch 705/10000
1/1 0s 9ms/step -
accuracy: 0.6067 - loss: 0.6964
Epoch 706/10000
1/1 0s 9ms/step -
accuracy: 0.6068 - loss: 0.6961
Epoch 707/10000
1/1 0s 9ms/step -
accuracy: 0.6069 - loss: 0.6958
Epoch 708/10000
1/1 0s 9ms/step -

accuracy: 0.6078 - loss: 0.6955
Epoch 709/10000
1/1 0s 9ms/step -
accuracy: 0.6079 - loss: 0.6952
Epoch 710/10000
1/1 0s 9ms/step -
accuracy: 0.6081 - loss: 0.6949
Epoch 711/10000
1/1 0s 9ms/step -
accuracy: 0.6080 - loss: 0.6945
Epoch 712/10000
1/1 0s 9ms/step -
accuracy: 0.6080 - loss: 0.6942
Epoch 713/10000
1/1 0s 32ms/step -
accuracy: 0.6085 - loss: 0.6939
Epoch 714/10000
1/1 0s 15ms/step -
accuracy: 0.6086 - loss: 0.6936
Epoch 715/10000
1/1 0s 9ms/step -
accuracy: 0.6087 - loss: 0.6933
Epoch 716/10000
1/1 0s 9ms/step -
accuracy: 0.6093 - loss: 0.6930
Epoch 717/10000
1/1 0s 9ms/step -
accuracy: 0.6094 - loss: 0.6927
Epoch 718/10000
1/1 0s 9ms/step -
accuracy: 0.6097 - loss: 0.6923
Epoch 719/10000
1/1 0s 9ms/step -
accuracy: 0.6102 - loss: 0.6920
Epoch 720/10000
1/1 0s 9ms/step -
accuracy: 0.6102 - loss: 0.6917
Epoch 721/10000
1/1 0s 9ms/step -
accuracy: 0.6101 - loss: 0.6914
Epoch 722/10000
1/1 0s 9ms/step -
accuracy: 0.6112 - loss: 0.6911
Epoch 723/10000
1/1 0s 9ms/step -
accuracy: 0.6117 - loss: 0.6908
Epoch 724/10000
1/1 0s 9ms/step -

accuracy: 0.6125 - loss: 0.6905
Epoch 725/10000
1/1 0s 9ms/step -
accuracy: 0.6123 - loss: 0.6902
Epoch 726/10000
1/1 0s 9ms/step -
accuracy: 0.6124 - loss: 0.6899
Epoch 727/10000
1/1 0s 10ms/step -
accuracy: 0.6128 - loss: 0.6896
Epoch 728/10000
1/1 0s 10ms/step -
accuracy: 0.6127 - loss: 0.6892
Epoch 729/10000
1/1 0s 11ms/step -
accuracy: 0.6129 - loss: 0.6889
Epoch 730/10000
1/1 0s 11ms/step -
accuracy: 0.6132 - loss: 0.6886
Epoch 731/10000
1/1 0s 43ms/step -
accuracy: 0.6132 - loss: 0.6883
Epoch 732/10000
1/1 0s 18ms/step -
accuracy: 0.6131 - loss: 0.6880
Epoch 733/10000
1/1 0s 11ms/step -
accuracy: 0.6134 - loss: 0.6877
Epoch 734/10000
1/1 0s 11ms/step -
accuracy: 0.6138 - loss: 0.6874
Epoch 735/10000
1/1 0s 10ms/step -
accuracy: 0.6138 - loss: 0.6871
Epoch 736/10000
1/1 0s 11ms/step -
accuracy: 0.6150 - loss: 0.6868
Epoch 737/10000
1/1 0s 11ms/step -
accuracy: 0.6151 - loss: 0.6865
Epoch 738/10000
1/1 0s 11ms/step -
accuracy: 0.6151 - loss: 0.6862
Epoch 739/10000
1/1 0s 11ms/step -
accuracy: 0.6151 - loss: 0.6858
Epoch 740/10000
1/1 0s 11ms/step -

```

accuracy: 0.6154 - loss: 0.6855
Epoch 741/10000
1/1          0s 11ms/step -
accuracy: 0.6159 - loss: 0.6852
Epoch 742/10000
1/1          0s 10ms/step -
accuracy: 0.6160 - loss: 0.6849
Epoch 743/10000
1/1          0s 10ms/step -
accuracy: 0.6163 - loss: 0.6846
Epoch 744/10000
1/1          0s 10ms/step -
accuracy: 0.6164 - loss: 0.6843
Epoch 745/10000
1/1          0s 9ms/step -
accuracy: 0.6165 - loss: 0.6840
Epoch 746/10000
1/1          0s 9ms/step -
accuracy: 0.6166 - loss: 0.6837
Epoch 747/10000
1/1          0s 9ms/step -
accuracy: 0.6173 - loss: 0.6834
Epoch 748/10000
1/1          0s 9ms/step -
accuracy: 0.6175 - loss: 0.6831
Epoch 749/10000
1/1          0s 30ms/step -
accuracy: 0.6174 - loss: 0.6828
Epoch 750/10000
1/1          0s 23ms/step -
accuracy: 0.6175 - loss: 0.6825
Epoch 751/10000
1/1          0s 11ms/step -
accuracy: 0.6177 - loss: 0.6822
Epoch 752/10000
1/1          0s 11ms/step -
accuracy: 0.6180 - loss: 0.6819
Epoch 753/10000
1/1          0s 10ms/step -
accuracy: 0.6181 - loss: 0.6816
Epoch 754/10000
1/1          0s 9ms/step -
accuracy: 0.6183 - loss: 0.6813
Epoch 755/10000
1/1          0s 9ms/step -
accuracy: 0.6183 - loss: 0.6810
Epoch 756/10000
1/1          0s 9ms/step -

```

accuracy: 0.6183 - loss: 0.6807
Epoch 757/10000
1/1 0s 9ms/step -
accuracy: 0.6184 - loss: 0.6804
Epoch 758/10000
1/1 0s 9ms/step -
accuracy: 0.6188 - loss: 0.6801
Epoch 759/10000
1/1 0s 9ms/step -
accuracy: 0.6189 - loss: 0.6797
Epoch 760/10000
1/1 0s 9ms/step -
accuracy: 0.6190 - loss: 0.6794
Epoch 761/10000
1/1 0s 9ms/step -
accuracy: 0.6191 - loss: 0.6791
Epoch 762/10000
1/1 0s 9ms/step -
accuracy: 0.6193 - loss: 0.6788
Epoch 763/10000
1/1 0s 9ms/step -
accuracy: 0.6193 - loss: 0.6785
Epoch 764/10000
1/1 0s 9ms/step -
accuracy: 0.6193 - loss: 0.6782
Epoch 765/10000
1/1 0s 9ms/step -
accuracy: 0.6196 - loss: 0.6779
Epoch 766/10000
1/1 0s 9ms/step -
accuracy: 0.6192 - loss: 0.6776
Epoch 767/10000
1/1 0s 30ms/step -
accuracy: 0.6199 - loss: 0.6773
Epoch 768/10000
1/1 0s 16ms/step -
accuracy: 0.6200 - loss: 0.6770
Epoch 769/10000
1/1 0s 9ms/step -
accuracy: 0.6202 - loss: 0.6767
Epoch 770/10000
1/1 0s 9ms/step -
accuracy: 0.6200 - loss: 0.6764
Epoch 771/10000
1/1 0s 9ms/step -
accuracy: 0.6200 - loss: 0.6761
Epoch 772/10000
1/1 0s 9ms/step -

```

accuracy: 0.6204 - loss: 0.6758
Epoch 773/10000
1/1          0s 10ms/step -
accuracy: 0.6204 - loss: 0.6755
Epoch 774/10000
1/1          0s 9ms/step -
accuracy: 0.6204 - loss: 0.6752
Epoch 775/10000
1/1          0s 10ms/step -
accuracy: 0.6208 - loss: 0.6749
Epoch 776/10000
1/1          0s 10ms/step -
accuracy: 0.6214 - loss: 0.6746
Epoch 777/10000
1/1          0s 9ms/step -
accuracy: 0.6214 - loss: 0.6743
Epoch 778/10000
1/1          0s 9ms/step -
accuracy: 0.6215 - loss: 0.6740
Epoch 779/10000
1/1          0s 9ms/step -
accuracy: 0.6215 - loss: 0.6737
Epoch 780/10000
1/1          0s 10ms/step -
accuracy: 0.6218 - loss: 0.6735
Epoch 781/10000
1/1          0s 9ms/step -
accuracy: 0.6221 - loss: 0.6732
Epoch 782/10000
1/1          0s 9ms/step -
accuracy: 0.6217 - loss: 0.6729
Epoch 783/10000
1/1          0s 33ms/step -
accuracy: 0.6218 - loss: 0.6726
Epoch 784/10000
1/1          0s 18ms/step -
accuracy: 0.6222 - loss: 0.6723
Epoch 785/10000
1/1          0s 10ms/step -
accuracy: 0.6222 - loss: 0.6720
Epoch 786/10000
1/1          0s 9ms/step -
accuracy: 0.6224 - loss: 0.6717
Epoch 787/10000
1/1          0s 9ms/step -
accuracy: 0.6226 - loss: 0.6714
Epoch 788/10000
1/1          0s 9ms/step -

```

```

accuracy: 0.6227 - loss: 0.6711
Epoch 789/10000
1/1          0s 9ms/step -
accuracy: 0.6228 - loss: 0.6708
Epoch 790/10000
1/1          0s 11ms/step -
accuracy: 0.6236 - loss: 0.6705
Epoch 791/10000
1/1          0s 12ms/step -
accuracy: 0.6237 - loss: 0.6702
Epoch 792/10000
1/1          0s 11ms/step -
accuracy: 0.6239 - loss: 0.6699
Epoch 793/10000
1/1          0s 11ms/step -
accuracy: 0.6242 - loss: 0.6696
Epoch 794/10000
1/1          0s 11ms/step -
accuracy: 0.6242 - loss: 0.6693
Epoch 795/10000
1/1          0s 11ms/step -
accuracy: 0.6243 - loss: 0.6690
Epoch 796/10000
1/1          0s 10ms/step -
accuracy: 0.6251 - loss: 0.6687
Epoch 797/10000
1/1          0s 11ms/step -
accuracy: 0.6253 - loss: 0.6684
Epoch 798/10000
1/1          0s 11ms/step -
accuracy: 0.6255 - loss: 0.6681
Epoch 799/10000
1/1          0s 10ms/step -
accuracy: 0.6255 - loss: 0.6678
Epoch 800/10000
1/1          0s 34ms/step -
accuracy: 0.6260 - loss: 0.6676
Epoch 801/10000
1/1          0s 17ms/step -
accuracy: 0.6265 - loss: 0.6673
Epoch 802/10000
1/1          0s 11ms/step -
accuracy: 0.6265 - loss: 0.6670
Epoch 803/10000
1/1          0s 11ms/step -
accuracy: 0.6276 - loss: 0.6667
Epoch 804/10000
1/1          0s 10ms/step -

```

accuracy: 0.6284 - loss: 0.6664
Epoch 805/10000
1/1 0s 10ms/step -
accuracy: 0.6285 - loss: 0.6661
Epoch 806/10000
1/1 0s 10ms/step -
accuracy: 0.6288 - loss: 0.6658
Epoch 807/10000
1/1 0s 9ms/step -
accuracy: 0.6290 - loss: 0.6655
Epoch 808/10000
1/1 0s 9ms/step -
accuracy: 0.6294 - loss: 0.6652
Epoch 809/10000
1/1 0s 9ms/step -
accuracy: 0.6304 - loss: 0.6649
Epoch 810/10000
1/1 0s 9ms/step -
accuracy: 0.6309 - loss: 0.6646
Epoch 811/10000
1/1 0s 9ms/step -
accuracy: 0.6310 - loss: 0.6644
Epoch 812/10000
1/1 0s 9ms/step -
accuracy: 0.6312 - loss: 0.6641
Epoch 813/10000
1/1 0s 10ms/step -
accuracy: 0.6312 - loss: 0.6638
Epoch 814/10000
1/1 0s 9ms/step -
accuracy: 0.6313 - loss: 0.6635
Epoch 815/10000
1/1 0s 21ms/step -
accuracy: 0.6312 - loss: 0.6632
Epoch 816/10000
1/1 0s 26ms/step -
accuracy: 0.6316 - loss: 0.6629
Epoch 817/10000
1/1 0s 9ms/step -
accuracy: 0.6315 - loss: 0.6626
Epoch 818/10000
1/1 0s 10ms/step -
accuracy: 0.6316 - loss: 0.6623
Epoch 819/10000
1/1 0s 10ms/step -
accuracy: 0.6318 - loss: 0.6620
Epoch 820/10000
1/1 0s 10ms/step -


```

accuracy: 0.6319 - loss: 0.6618
Epoch 821/10000
1/1          0s 10ms/step -
accuracy: 0.6319 - loss: 0.6615
Epoch 822/10000
1/1          0s 10ms/step -
accuracy: 0.6322 - loss: 0.6612
Epoch 823/10000
1/1          0s 10ms/step -
accuracy: 0.6323 - loss: 0.6609
Epoch 824/10000
1/1          0s 10ms/step -
accuracy: 0.6323 - loss: 0.6606
Epoch 825/10000
1/1          0s 9ms/step -
accuracy: 0.6327 - loss: 0.6603
Epoch 826/10000
1/1          0s 9ms/step -
accuracy: 0.6334 - loss: 0.6600
Epoch 827/10000
1/1          0s 9ms/step -
accuracy: 0.6333 - loss: 0.6598
Epoch 828/10000
1/1          0s 10ms/step -
accuracy: 0.6335 - loss: 0.6595
Epoch 829/10000
1/1          0s 10ms/step -
accuracy: 0.6344 - loss: 0.6592
Epoch 830/10000
1/1          0s 12ms/step -
accuracy: 0.6348 - loss: 0.6589
Epoch 831/10000
1/1          0s 11ms/step -
accuracy: 0.6349 - loss: 0.6586
Epoch 832/10000
1/1          0s 33ms/step -
accuracy: 0.6352 - loss: 0.6583
Epoch 833/10000
1/1          0s 22ms/step -
accuracy: 0.6367 - loss: 0.6581
Epoch 834/10000
1/1          0s 13ms/step -
accuracy: 0.6366 - loss: 0.6578
Epoch 835/10000
1/1          0s 11ms/step -
accuracy: 0.6367 - loss: 0.6575
Epoch 836/10000
1/1          0s 11ms/step -

```

accuracy: 0.6368 - loss: 0.6572
Epoch 837/10000
1/1 0s 11ms/step -
accuracy: 0.6369 - loss: 0.6569
Epoch 838/10000
1/1 0s 11ms/step -
accuracy: 0.6370 - loss: 0.6566
Epoch 839/10000
1/1 0s 12ms/step -
accuracy: 0.6371 - loss: 0.6564
Epoch 840/10000
1/1 0s 13ms/step -
accuracy: 0.6375 - loss: 0.6561
Epoch 841/10000
1/1 0s 12ms/step -
accuracy: 0.6375 - loss: 0.6558
Epoch 842/10000
1/1 0s 9ms/step -
accuracy: 0.6376 - loss: 0.6555
Epoch 843/10000
1/1 0s 10ms/step -
accuracy: 0.6376 - loss: 0.6552
Epoch 844/10000
1/1 0s 10ms/step -
accuracy: 0.6376 - loss: 0.6550
Epoch 845/10000
1/1 0s 10ms/step -
accuracy: 0.6397 - loss: 0.6547
Epoch 846/10000
1/1 0s 9ms/step -
accuracy: 0.6400 - loss: 0.6544
Epoch 847/10000
1/1 0s 9ms/step -
accuracy: 0.6398 - loss: 0.6541
Epoch 848/10000
1/1 0s 9ms/step -
accuracy: 0.6406 - loss: 0.6538
Epoch 849/10000
1/1 0s 28ms/step -
accuracy: 0.6409 - loss: 0.6536
Epoch 850/10000
1/1 0s 21ms/step -
accuracy: 0.6415 - loss: 0.6533
Epoch 851/10000
1/1 0s 11ms/step -
accuracy: 0.6422 - loss: 0.6530
Epoch 852/10000
1/1 0s 11ms/step -

accuracy: 0.6423 - loss: 0.6527
Epoch 853/10000
1/1 0s 12ms/step -
accuracy: 0.6423 - loss: 0.6524
Epoch 854/10000
1/1 0s 12ms/step -
accuracy: 0.6423 - loss: 0.6522
Epoch 855/10000
1/1 0s 10ms/step -
accuracy: 0.6425 - loss: 0.6519
Epoch 856/10000
1/1 0s 10ms/step -
accuracy: 0.6427 - loss: 0.6516
Epoch 857/10000
1/1 0s 9ms/step -
accuracy: 0.6427 - loss: 0.6513
Epoch 858/10000
1/1 0s 9ms/step -
accuracy: 0.6428 - loss: 0.6511
Epoch 859/10000
1/1 0s 10ms/step -
accuracy: 0.6428 - loss: 0.6508
Epoch 860/10000
1/1 0s 9ms/step -
accuracy: 0.6431 - loss: 0.6505
Epoch 861/10000
1/1 0s 9ms/step -
accuracy: 0.6431 - loss: 0.6502
Epoch 862/10000
1/1 0s 9ms/step -
accuracy: 0.6434 - loss: 0.6500
Epoch 863/10000
1/1 0s 9ms/step -
accuracy: 0.6440 - loss: 0.6497
Epoch 864/10000
1/1 0s 9ms/step -
accuracy: 0.6442 - loss: 0.6494
Epoch 865/10000
1/1 0s 10ms/step -
accuracy: 0.6444 - loss: 0.6491
Epoch 866/10000
1/1 0s 10ms/step -
accuracy: 0.6444 - loss: 0.6489
Epoch 867/10000
1/1 0s 31ms/step -
accuracy: 0.6444 - loss: 0.6486
Epoch 868/10000
1/1 0s 18ms/step -

```

accuracy: 0.6445 - loss: 0.6483
Epoch 869/10000
1/1          0s 10ms/step -
accuracy: 0.6446 - loss: 0.6480
Epoch 870/10000
1/1          0s 10ms/step -
accuracy: 0.6450 - loss: 0.6478
Epoch 871/10000
1/1          0s 10ms/step -
accuracy: 0.6453 - loss: 0.6475
Epoch 872/10000
1/1          0s 9ms/step -
accuracy: 0.6462 - loss: 0.6472
Epoch 873/10000
1/1          0s 10ms/step -
accuracy: 0.6461 - loss: 0.6469
Epoch 874/10000
1/1          0s 9ms/step -
accuracy: 0.6465 - loss: 0.6467
Epoch 875/10000
1/1          0s 10ms/step -
accuracy: 0.6468 - loss: 0.6464
Epoch 876/10000
1/1          0s 9ms/step -
accuracy: 0.6468 - loss: 0.6461
Epoch 877/10000
1/1          0s 9ms/step -
accuracy: 0.6472 - loss: 0.6459
Epoch 878/10000
1/1          0s 9ms/step -
accuracy: 0.6475 - loss: 0.6456
Epoch 879/10000
1/1          0s 9ms/step -
accuracy: 0.6475 - loss: 0.6453
Epoch 880/10000
1/1          0s 9ms/step -
accuracy: 0.6479 - loss: 0.6450
Epoch 881/10000
1/1          0s 9ms/step -
accuracy: 0.6481 - loss: 0.6448
Epoch 882/10000
1/1          0s 9ms/step -
accuracy: 0.6481 - loss: 0.6445
Epoch 883/10000
1/1          0s 9ms/step -
accuracy: 0.6482 - loss: 0.6442
Epoch 884/10000
1/1          0s 9ms/step -

```

accuracy: 0.6482 - loss: 0.6440
Epoch 885/10000
1/1 0s 25ms/step -
accuracy: 0.6482 - loss: 0.6437
Epoch 886/10000
1/1 0s 21ms/step -
accuracy: 0.6478 - loss: 0.6434
Epoch 887/10000
1/1 0s 10ms/step -
accuracy: 0.6488 - loss: 0.6432
Epoch 888/10000
1/1 0s 11ms/step -
accuracy: 0.6489 - loss: 0.6429
Epoch 889/10000
1/1 0s 10ms/step -
accuracy: 0.6493 - loss: 0.6426
Epoch 890/10000
1/1 0s 11ms/step -
accuracy: 0.6502 - loss: 0.6424
Epoch 891/10000
1/1 0s 11ms/step -
accuracy: 0.6502 - loss: 0.6421
Epoch 892/10000
1/1 0s 11ms/step -
accuracy: 0.6502 - loss: 0.6418
Epoch 893/10000
1/1 0s 11ms/step -
accuracy: 0.6502 - loss: 0.6416
Epoch 894/10000
1/1 0s 11ms/step -
accuracy: 0.6502 - loss: 0.6413
Epoch 895/10000
1/1 0s 12ms/step -
accuracy: 0.6511 - loss: 0.6410
Epoch 896/10000
1/1 0s 11ms/step -
accuracy: 0.6514 - loss: 0.6408
Epoch 897/10000
1/1 0s 12ms/step -
accuracy: 0.6514 - loss: 0.6405
Epoch 898/10000
1/1 0s 11ms/step -
accuracy: 0.6513 - loss: 0.6402
Epoch 899/10000
1/1 0s 12ms/step -
accuracy: 0.6512 - loss: 0.6400
Epoch 900/10000
1/1 0s 12ms/step -

accuracy: 0.6512 - loss: 0.6397
Epoch 901/10000
1/1 0s 45ms/step -
accuracy: 0.6513 - loss: 0.6394
Epoch 902/10000
1/1 0s 17ms/step -
accuracy: 0.6512 - loss: 0.6392
Epoch 903/10000
1/1 0s 9ms/step -
accuracy: 0.6516 - loss: 0.6389
Epoch 904/10000
1/1 0s 10ms/step -
accuracy: 0.6523 - loss: 0.6386
Epoch 905/10000
1/1 0s 9ms/step -
accuracy: 0.6524 - loss: 0.6384
Epoch 906/10000
1/1 0s 9ms/step -
accuracy: 0.6525 - loss: 0.6381
Epoch 907/10000
1/1 0s 11ms/step -
accuracy: 0.6529 - loss: 0.6379
Epoch 908/10000
1/1 0s 11ms/step -
accuracy: 0.6528 - loss: 0.6376
Epoch 909/10000
1/1 0s 12ms/step -
accuracy: 0.6538 - loss: 0.6373
Epoch 910/10000
1/1 0s 13ms/step -
accuracy: 0.6542 - loss: 0.6371
Epoch 911/10000
1/1 0s 14ms/step -
accuracy: 0.6542 - loss: 0.6368
Epoch 912/10000
1/1 0s 13ms/step -
accuracy: 0.6543 - loss: 0.6366
Epoch 913/10000
1/1 0s 11ms/step -
accuracy: 0.6544 - loss: 0.6363
Epoch 914/10000
1/1 0s 13ms/step -
accuracy: 0.6550 - loss: 0.6360
Epoch 915/10000
1/1 0s 12ms/step -
accuracy: 0.6552 - loss: 0.6358
Epoch 916/10000
1/1 0s 40ms/step -

accuracy: 0.6555 - loss: 0.6355
Epoch 917/10000
1/1 0s 28ms/step -
accuracy: 0.6554 - loss: 0.6353
Epoch 918/10000
1/1 0s 13ms/step -
accuracy: 0.6559 - loss: 0.6350
Epoch 919/10000
1/1 0s 13ms/step -
accuracy: 0.6560 - loss: 0.6347
Epoch 920/10000
1/1 0s 11ms/step -
accuracy: 0.6559 - loss: 0.6345
Epoch 921/10000
1/1 0s 10ms/step -
accuracy: 0.6567 - loss: 0.6342
Epoch 922/10000
1/1 0s 10ms/step -
accuracy: 0.6574 - loss: 0.6340
Epoch 923/10000
1/1 0s 9ms/step -
accuracy: 0.6578 - loss: 0.6337
Epoch 924/10000
1/1 0s 10ms/step -
accuracy: 0.6583 - loss: 0.6334
Epoch 925/10000
1/1 0s 10ms/step -
accuracy: 0.6589 - loss: 0.6332
Epoch 926/10000
1/1 0s 9ms/step -
accuracy: 0.6590 - loss: 0.6329
Epoch 927/10000
1/1 0s 9ms/step -
accuracy: 0.6591 - loss: 0.6327
Epoch 928/10000
1/1 0s 9ms/step -
accuracy: 0.6593 - loss: 0.6324
Epoch 929/10000
1/1 0s 23ms/step -
accuracy: 0.6596 - loss: 0.6322
Epoch 930/10000
1/1 0s 34ms/step -
accuracy: 0.6596 - loss: 0.6319
Epoch 931/10000
1/1 0s 13ms/step -
accuracy: 0.6601 - loss: 0.6317
Epoch 932/10000
1/1 0s 13ms/step -

accuracy: 0.6601 - loss: 0.6314
Epoch 933/10000
1/1 0s 14ms/step -
accuracy: 0.6602 - loss: 0.6311
Epoch 934/10000
1/1 0s 12ms/step -
accuracy: 0.6601 - loss: 0.6309
Epoch 935/10000
1/1 0s 10ms/step -
accuracy: 0.6610 - loss: 0.6306
Epoch 936/10000
1/1 0s 10ms/step -
accuracy: 0.6613 - loss: 0.6304
Epoch 937/10000
1/1 0s 9ms/step -
accuracy: 0.6615 - loss: 0.6301
Epoch 938/10000
1/1 0s 9ms/step -
accuracy: 0.6618 - loss: 0.6299
Epoch 939/10000
1/1 0s 9ms/step -
accuracy: 0.6618 - loss: 0.6296
Epoch 940/10000
1/1 0s 9ms/step -
accuracy: 0.6626 - loss: 0.6294
Epoch 941/10000
1/1 0s 9ms/step -
accuracy: 0.6634 - loss: 0.6291
Epoch 942/10000
1/1 0s 10ms/step -
accuracy: 0.6635 - loss: 0.6289
Epoch 943/10000
1/1 0s 9ms/step -
accuracy: 0.6637 - loss: 0.6286
Epoch 944/10000
1/1 0s 28ms/step -
accuracy: 0.6638 - loss: 0.6284
Epoch 945/10000
1/1 0s 19ms/step -
accuracy: 0.6642 - loss: 0.6281
Epoch 946/10000
1/1 0s 9ms/step -
accuracy: 0.6646 - loss: 0.6279
Epoch 947/10000
1/1 0s 9ms/step -
accuracy: 0.6646 - loss: 0.6276
Epoch 948/10000
1/1 0s 9ms/step -

accuracy: 0.6647 - loss: 0.6274
Epoch 949/10000
1/1 0s 9ms/step -
accuracy: 0.6651 - loss: 0.6271
Epoch 950/10000
1/1 0s 9ms/step -
accuracy: 0.6652 - loss: 0.6269
Epoch 951/10000
1/1 0s 9ms/step -
accuracy: 0.6654 - loss: 0.6266
Epoch 952/10000
1/1 0s 9ms/step -
accuracy: 0.6655 - loss: 0.6264
Epoch 953/10000
1/1 0s 9ms/step -
accuracy: 0.6658 - loss: 0.6261
Epoch 954/10000
1/1 0s 9ms/step -
accuracy: 0.6661 - loss: 0.6259
Epoch 955/10000
1/1 0s 9ms/step -
accuracy: 0.6667 - loss: 0.6256
Epoch 956/10000
1/1 0s 9ms/step -
accuracy: 0.6666 - loss: 0.6254
Epoch 957/10000
1/1 0s 9ms/step -
accuracy: 0.6671 - loss: 0.6251
Epoch 958/10000
1/1 0s 9ms/step -
accuracy: 0.6676 - loss: 0.6249
Epoch 959/10000
1/1 0s 9ms/step -
accuracy: 0.6676 - loss: 0.6246
Epoch 960/10000
1/1 0s 9ms/step -
accuracy: 0.6676 - loss: 0.6244
Epoch 961/10000
1/1 0s 9ms/step -
accuracy: 0.6679 - loss: 0.6241
Epoch 962/10000
1/1 0s 9ms/step -
accuracy: 0.6679 - loss: 0.6239
Epoch 963/10000
1/1 0s 9ms/step -
accuracy: 0.6680 - loss: 0.6236
Epoch 964/10000
1/1 0s 9ms/step -

accuracy: 0.6680 - loss: 0.6234
Epoch 965/10000
1/1 0s 9ms/step -
accuracy: 0.6681 - loss: 0.6232
Epoch 966/10000
1/1 0s 9ms/step -
accuracy: 0.6684 - loss: 0.6229
Epoch 967/10000
1/1 0s 9ms/step -
accuracy: 0.6688 - loss: 0.6227
Epoch 968/10000
1/1 0s 9ms/step -
accuracy: 0.6690 - loss: 0.6224
Epoch 969/10000
1/1 0s 27ms/step -
accuracy: 0.6693 - loss: 0.6222
Epoch 970/10000
1/1 0s 21ms/step -
accuracy: 0.6694 - loss: 0.6219
Epoch 971/10000
1/1 0s 11ms/step -
accuracy: 0.6693 - loss: 0.6217
Epoch 972/10000
1/1 0s 12ms/step -
accuracy: 0.6693 - loss: 0.6214
Epoch 973/10000
1/1 0s 12ms/step -
accuracy: 0.6695 - loss: 0.6212
Epoch 974/10000
1/1 0s 11ms/step -
accuracy: 0.6696 - loss: 0.6210
Epoch 975/10000
1/1 0s 11ms/step -
accuracy: 0.6695 - loss: 0.6207
Epoch 976/10000
1/1 0s 13ms/step -
accuracy: 0.6702 - loss: 0.6205
Epoch 977/10000
1/1 0s 13ms/step -
accuracy: 0.6705 - loss: 0.6202
Epoch 978/10000
1/1 0s 13ms/step -
accuracy: 0.6707 - loss: 0.6200
Epoch 979/10000
1/1 0s 13ms/step -
accuracy: 0.6706 - loss: 0.6198
Epoch 980/10000
1/1 0s 14ms/step -

accuracy: 0.6708 - loss: 0.6195
Epoch 981/10000
1/1 0s 13ms/step -
accuracy: 0.6706 - loss: 0.6193
Epoch 982/10000
1/1 0s 15ms/step -
accuracy: 0.6707 - loss: 0.6190
Epoch 983/10000
1/1 0s 12ms/step -
accuracy: 0.6719 - loss: 0.6188
Epoch 984/10000
1/1 0s 13ms/step -
accuracy: 0.6719 - loss: 0.6186
Epoch 985/10000
1/1 0s 13ms/step -
accuracy: 0.6721 - loss: 0.6183
Epoch 986/10000
1/1 0s 13ms/step -
accuracy: 0.6721 - loss: 0.6181
Epoch 987/10000
1/1 0s 12ms/step -
accuracy: 0.6722 - loss: 0.6178
Epoch 988/10000
1/1 0s 10ms/step -
accuracy: 0.6721 - loss: 0.6176
Epoch 989/10000
1/1 0s 10ms/step -
accuracy: 0.6722 - loss: 0.6174
Epoch 990/10000
1/1 0s 10ms/step -
accuracy: 0.6723 - loss: 0.6171
Epoch 991/10000
1/1 0s 17ms/step -
accuracy: 0.6726 - loss: 0.6169
Epoch 992/10000
1/1 0s 27ms/step -
accuracy: 0.6728 - loss: 0.6167
Epoch 993/10000
1/1 0s 14ms/step -
accuracy: 0.6744 - loss: 0.6164
Epoch 994/10000
1/1 0s 11ms/step -
accuracy: 0.6747 - loss: 0.6162
Epoch 995/10000
1/1 0s 12ms/step -
accuracy: 0.6747 - loss: 0.6159
Epoch 996/10000
1/1 0s 14ms/step -

accuracy: 0.6749 - loss: 0.6157
Epoch 997/10000
1/1 0s 13ms/step -
accuracy: 0.6753 - loss: 0.6155
Epoch 998/10000
1/1 0s 15ms/step -
accuracy: 0.6757 - loss: 0.6152
Epoch 999/10000
1/1 0s 13ms/step -
accuracy: 0.6765 - loss: 0.6150
Epoch 1000/10000
1/1 0s 14ms/step -
accuracy: 0.6766 - loss: 0.6148
Epoch 1001/10000
1/1 0s 14ms/step -
accuracy: 0.6767 - loss: 0.6145
Epoch 1002/10000
1/1 0s 13ms/step -
accuracy: 0.6771 - loss: 0.6143
Epoch 1003/10000
1/1 0s 13ms/step -
accuracy: 0.6771 - loss: 0.6141
Epoch 1004/10000
1/1 0s 13ms/step -
accuracy: 0.6774 - loss: 0.6138
Epoch 1005/10000
1/1 0s 46ms/step -
accuracy: 0.6776 - loss: 0.6136
Epoch 1006/10000
1/1 0s 20ms/step -
accuracy: 0.6778 - loss: 0.6134
Epoch 1007/10000
1/1 0s 12ms/step -
accuracy: 0.6786 - loss: 0.6131
Epoch 1008/10000
1/1 0s 13ms/step -
accuracy: 0.6787 - loss: 0.6129
Epoch 1009/10000
1/1 0s 11ms/step -
accuracy: 0.6788 - loss: 0.6127
Epoch 1010/10000
1/1 0s 12ms/step -
accuracy: 0.6795 - loss: 0.6124
Epoch 1011/10000
1/1 0s 12ms/step -
accuracy: 0.6796 - loss: 0.6122
Epoch 1012/10000
1/1 0s 11ms/step -

accuracy: 0.6797 - loss: 0.6120
Epoch 1013/10000
1/1 0s 12ms/step -
accuracy: 0.6800 - loss: 0.6117
Epoch 1014/10000
1/1 0s 12ms/step -
accuracy: 0.6802 - loss: 0.6115
Epoch 1015/10000
1/1 0s 12ms/step -
accuracy: 0.6801 - loss: 0.6113
Epoch 1016/10000
1/1 0s 11ms/step -
accuracy: 0.6801 - loss: 0.6111
Epoch 1017/10000
1/1 0s 12ms/step -
accuracy: 0.6801 - loss: 0.6108
Epoch 1018/10000
1/1 0s 11ms/step -
accuracy: 0.6801 - loss: 0.6106
Epoch 1019/10000
1/1 0s 11ms/step -
accuracy: 0.6801 - loss: 0.6104
Epoch 1020/10000
1/1 0s 32ms/step -
accuracy: 0.6800 - loss: 0.6101
Epoch 1021/10000
1/1 0s 17ms/step -
accuracy: 0.6799 - loss: 0.6099
Epoch 1022/10000
1/1 0s 11ms/step -
accuracy: 0.6799 - loss: 0.6097
Epoch 1023/10000
1/1 0s 12ms/step -
accuracy: 0.6801 - loss: 0.6095
Epoch 1024/10000
1/1 0s 12ms/step -
accuracy: 0.6802 - loss: 0.6092
Epoch 1025/10000
1/1 0s 12ms/step -
accuracy: 0.6801 - loss: 0.6090
Epoch 1026/10000
1/1 0s 12ms/step -
accuracy: 0.6803 - loss: 0.6088
Epoch 1027/10000
1/1 0s 13ms/step -
accuracy: 0.6806 - loss: 0.6086
Epoch 1028/10000
1/1 0s 12ms/step -

accuracy: 0.6804 - loss: 0.6083
Epoch 1029/10000
1/1 0s 13ms/step -
accuracy: 0.6807 - loss: 0.6081
Epoch 1030/10000
1/1 0s 13ms/step -
accuracy: 0.6813 - loss: 0.6079
Epoch 1031/10000
1/1 0s 12ms/step -
accuracy: 0.6815 - loss: 0.6077
Epoch 1032/10000
1/1 0s 40ms/step -
accuracy: 0.6811 - loss: 0.6074
Epoch 1033/10000
1/1 0s 20ms/step -
accuracy: 0.6813 - loss: 0.6072
Epoch 1034/10000
1/1 0s 12ms/step -
accuracy: 0.6818 - loss: 0.6070
Epoch 1035/10000
1/1 0s 12ms/step -
accuracy: 0.6820 - loss: 0.6068
Epoch 1036/10000
1/1 0s 10ms/step -
accuracy: 0.6821 - loss: 0.6065
Epoch 1037/10000
1/1 0s 10ms/step -
accuracy: 0.6823 - loss: 0.6063
Epoch 1038/10000
1/1 0s 9ms/step -
accuracy: 0.6826 - loss: 0.6061
Epoch 1039/10000
1/1 0s 10ms/step -
accuracy: 0.6825 - loss: 0.6059
Epoch 1040/10000
1/1 0s 9ms/step -
accuracy: 0.6834 - loss: 0.6056
Epoch 1041/10000
1/1 0s 10ms/step -
accuracy: 0.6834 - loss: 0.6054
Epoch 1042/10000
1/1 0s 11ms/step -
accuracy: 0.6840 - loss: 0.6052
Epoch 1043/10000
1/1 0s 11ms/step -
accuracy: 0.6840 - loss: 0.6050
Epoch 1044/10000
1/1 0s 10ms/step -

accuracy: 0.6845 - loss: 0.6048
Epoch 1045/10000
1/1 0s 11ms/step -
accuracy: 0.6849 - loss: 0.6045
Epoch 1046/10000
1/1 0s 11ms/step -
accuracy: 0.6851 - loss: 0.6043
Epoch 1047/10000
1/1 0s 12ms/step -
accuracy: 0.6854 - loss: 0.6041
Epoch 1048/10000
1/1 0s 38ms/step -
accuracy: 0.6861 - loss: 0.6039
Epoch 1049/10000
1/1 0s 21ms/step -
accuracy: 0.6864 - loss: 0.6037
Epoch 1050/10000
1/1 0s 10ms/step -
accuracy: 0.6868 - loss: 0.6034
Epoch 1051/10000
1/1 0s 10ms/step -
accuracy: 0.6870 - loss: 0.6032
Epoch 1052/10000
1/1 0s 9ms/step -
accuracy: 0.6870 - loss: 0.6030
Epoch 1053/10000
1/1 0s 10ms/step -
accuracy: 0.6871 - loss: 0.6028
Epoch 1054/10000
1/1 0s 10ms/step -
accuracy: 0.6878 - loss: 0.6026
Epoch 1055/10000
1/1 0s 11ms/step -
accuracy: 0.6880 - loss: 0.6023
Epoch 1056/10000
1/1 0s 11ms/step -
accuracy: 0.6880 - loss: 0.6021
Epoch 1057/10000
1/1 0s 12ms/step -
accuracy: 0.6886 - loss: 0.6019
Epoch 1058/10000
1/1 0s 13ms/step -
accuracy: 0.6887 - loss: 0.6017
Epoch 1059/10000
1/1 0s 12ms/step -
accuracy: 0.6890 - loss: 0.6015
Epoch 1060/10000
1/1 0s 12ms/step -

accuracy: 0.6891 - loss: 0.6013
Epoch 1061/10000
1/1 0s 11ms/step -
accuracy: 0.6890 - loss: 0.6010
Epoch 1062/10000
1/1 0s 12ms/step -
accuracy: 0.6890 - loss: 0.6008
Epoch 1063/10000
1/1 0s 11ms/step -
accuracy: 0.6892 - loss: 0.6006
Epoch 1064/10000
1/1 0s 10ms/step -
accuracy: 0.6892 - loss: 0.6004
Epoch 1065/10000
1/1 0s 9ms/step -
accuracy: 0.6891 - loss: 0.6002
Epoch 1066/10000
1/1 0s 9ms/step -
accuracy: 0.6892 - loss: 0.6000
Epoch 1067/10000
1/1 0s 28ms/step -
accuracy: 0.6893 - loss: 0.5998
Epoch 1068/10000
1/1 0s 19ms/step -
accuracy: 0.6908 - loss: 0.5995
Epoch 1069/10000
1/1 0s 9ms/step -
accuracy: 0.6915 - loss: 0.5993
Epoch 1070/10000
1/1 0s 10ms/step -
accuracy: 0.6916 - loss: 0.5991
Epoch 1071/10000
1/1 0s 9ms/step -
accuracy: 0.6917 - loss: 0.5989
Epoch 1072/10000
1/1 0s 10ms/step -
accuracy: 0.6918 - loss: 0.5987
Epoch 1073/10000
1/1 0s 11ms/step -
accuracy: 0.6918 - loss: 0.5985
Epoch 1074/10000
1/1 0s 11ms/step -
accuracy: 0.6919 - loss: 0.5983
Epoch 1075/10000
1/1 0s 11ms/step -
accuracy: 0.6929 - loss: 0.5980
Epoch 1076/10000
1/1 0s 10ms/step -

accuracy: 0.6929 - loss: 0.5978
Epoch 1077/10000
1/1 0s 11ms/step -
accuracy: 0.6930 - loss: 0.5976
Epoch 1078/10000
1/1 0s 12ms/step -
accuracy: 0.6930 - loss: 0.5974
Epoch 1079/10000
1/1 0s 11ms/step -
accuracy: 0.6929 - loss: 0.5972
Epoch 1080/10000
1/1 0s 11ms/step -
accuracy: 0.6930 - loss: 0.5970
Epoch 1081/10000
1/1 0s 11ms/step -
accuracy: 0.6934 - loss: 0.5968
Epoch 1082/10000
1/1 0s 12ms/step -
accuracy: 0.6936 - loss: 0.5966
Epoch 1083/10000
1/1 0s 13ms/step -
accuracy: 0.6936 - loss: 0.5964
Epoch 1084/10000
1/1 0s 13ms/step -
accuracy: 0.6936 - loss: 0.5962
Epoch 1085/10000
1/1 0s 12ms/step -
accuracy: 0.6937 - loss: 0.5959
Epoch 1086/10000
1/1 0s 11ms/step -
accuracy: 0.6938 - loss: 0.5957
Epoch 1087/10000
1/1 0s 34ms/step -
accuracy: 0.6935 - loss: 0.5955
Epoch 1088/10000
1/1 0s 17ms/step -
accuracy: 0.6936 - loss: 0.5953
Epoch 1089/10000
1/1 0s 9ms/step -
accuracy: 0.6936 - loss: 0.5951
Epoch 1090/10000
1/1 0s 9ms/step -
accuracy: 0.6937 - loss: 0.5949
Epoch 1091/10000
1/1 0s 9ms/step -
accuracy: 0.6939 - loss: 0.5947
Epoch 1092/10000
1/1 0s 9ms/step -

accuracy: 0.6940 - loss: 0.5945
Epoch 1093/10000
1/1 0s 9ms/step -
accuracy: 0.6941 - loss: 0.5943
Epoch 1094/10000
1/1 0s 9ms/step -
accuracy: 0.6942 - loss: 0.5941
Epoch 1095/10000
1/1 0s 9ms/step -
accuracy: 0.6949 - loss: 0.5939
Epoch 1096/10000
1/1 0s 10ms/step -
accuracy: 0.6942 - loss: 0.5937
Epoch 1097/10000
1/1 0s 9ms/step -
accuracy: 0.6940 - loss: 0.5935
Epoch 1098/10000
1/1 0s 9ms/step -
accuracy: 0.6943 - loss: 0.5933
Epoch 1099/10000
1/1 0s 9ms/step -
accuracy: 0.6944 - loss: 0.5931
Epoch 1100/10000
1/1 0s 9ms/step -
accuracy: 0.6944 - loss: 0.5928
Epoch 1101/10000
1/1 0s 9ms/step -
accuracy: 0.6949 - loss: 0.5926
Epoch 1102/10000
1/1 0s 9ms/step -
accuracy: 0.6948 - loss: 0.5924
Epoch 1103/10000
1/1 0s 25ms/step -
accuracy: 0.6956 - loss: 0.5922
Epoch 1104/10000
1/1 0s 19ms/step -
accuracy: 0.6956 - loss: 0.5920
Epoch 1105/10000
1/1 0s 18ms/step -
accuracy: 0.6962 - loss: 0.5918
Epoch 1106/10000
1/1 0s 11ms/step -
accuracy: 0.6965 - loss: 0.5916
Epoch 1107/10000
1/1 0s 11ms/step -
accuracy: 0.6968 - loss: 0.5914
Epoch 1108/10000
1/1 0s 11ms/step -

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accuracy: 0.6971 - loss: 0.5912
Epoch 1109/10000
1/1          0s 12ms/step -
accuracy: 0.6969 - loss: 0.5910
Epoch 1110/10000
1/1          0s 12ms/step -
accuracy: 0.6971 - loss: 0.5908
Epoch 1111/10000
1/1          0s 13ms/step -
accuracy: 0.6973 - loss: 0.5906
Epoch 1112/10000
1/1          0s 11ms/step -
accuracy: 0.6972 - loss: 0.5904
Epoch 1113/10000
1/1          0s 10ms/step -
accuracy: 0.6973 - loss: 0.5902
Epoch 1114/10000
1/1          0s 10ms/step -
accuracy: 0.6974 - loss: 0.5900
Epoch 1115/10000
1/1          0s 9ms/step -
accuracy: 0.6982 - loss: 0.5898
Epoch 1116/10000
1/1          0s 9ms/step -
accuracy: 0.6982 - loss: 0.5896
Epoch 1117/10000
1/1          0s 9ms/step -
accuracy: 0.6981 - loss: 0.5894
Epoch 1118/10000
1/1          0s 9ms/step -
accuracy: 0.6980 - loss: 0.5892
Epoch 1119/10000
1/1          0s 9ms/step -
accuracy: 0.6983 - loss: 0.5890
Epoch 1120/10000
1/1          0s 9ms/step -
accuracy: 0.6987 - loss: 0.5888
Epoch 1121/10000
1/1          0s 9ms/step -
accuracy: 0.6992 - loss: 0.5886
Epoch 1122/10000
1/1          0s 30ms/step -
accuracy: 0.6996 - loss: 0.5884
Epoch 1123/10000
1/1          0s 17ms/step -
accuracy: 0.6995 - loss: 0.5882
Epoch 1124/10000
1/1          0s 9ms/step -

```

accuracy: 0.7001 - loss: 0.5880
Epoch 1125/10000
1/1 0s 9ms/step -
accuracy: 0.7000 - loss: 0.5878
Epoch 1126/10000
1/1 0s 9ms/step -
accuracy: 0.7004 - loss: 0.5876
Epoch 1127/10000
1/1 0s 9ms/step -
accuracy: 0.7005 - loss: 0.5874
Epoch 1128/10000
1/1 0s 9ms/step -
accuracy: 0.7002 - loss: 0.5872
Epoch 1129/10000
1/1 0s 9ms/step -
accuracy: 0.7002 - loss: 0.5870
Epoch 1130/10000
1/1 0s 9ms/step -
accuracy: 0.7008 - loss: 0.5868
Epoch 1131/10000
1/1 0s 10ms/step -
accuracy: 0.7009 - loss: 0.5867
Epoch 1132/10000
1/1 0s 12ms/step -
accuracy: 0.7012 - loss: 0.5865
Epoch 1133/10000
1/1 0s 11ms/step -
accuracy: 0.7012 - loss: 0.5863
Epoch 1134/10000
1/1 0s 12ms/step -
accuracy: 0.7012 - loss: 0.5861
Epoch 1135/10000
1/1 0s 11ms/step -
accuracy: 0.7011 - loss: 0.5859
Epoch 1136/10000
1/1 0s 12ms/step -
accuracy: 0.7013 - loss: 0.5857
Epoch 1137/10000
1/1 0s 11ms/step -
accuracy: 0.7012 - loss: 0.5855
Epoch 1138/10000
1/1 0s 10ms/step -
accuracy: 0.7013 - loss: 0.5853
Epoch 1139/10000
1/1 0s 18ms/step -
accuracy: 0.7016 - loss: 0.5851
Epoch 1140/10000
1/1 0s 29ms/step -

accuracy: 0.7016 - loss: 0.5849
Epoch 1141/10000
1/1 0s 14ms/step -
accuracy: 0.7017 - loss: 0.5847
Epoch 1142/10000
1/1 0s 9ms/step -
accuracy: 0.7019 - loss: 0.5845
Epoch 1143/10000
1/1 0s 9ms/step -
accuracy: 0.7022 - loss: 0.5843
Epoch 1144/10000
1/1 0s 9ms/step -
accuracy: 0.7022 - loss: 0.5841
Epoch 1145/10000
1/1 0s 9ms/step -
accuracy: 0.7025 - loss: 0.5839
Epoch 1146/10000
1/1 0s 9ms/step -
accuracy: 0.7028 - loss: 0.5838
Epoch 1147/10000
1/1 0s 9ms/step -
accuracy: 0.7030 - loss: 0.5836
Epoch 1148/10000
1/1 0s 9ms/step -
accuracy: 0.7029 - loss: 0.5834
Epoch 1149/10000
1/1 0s 9ms/step -
accuracy: 0.7031 - loss: 0.5832
Epoch 1150/10000
1/1 0s 9ms/step -
accuracy: 0.7037 - loss: 0.5830
Epoch 1151/10000
1/1 0s 9ms/step -
accuracy: 0.7038 - loss: 0.5828
Epoch 1152/10000
1/1 0s 9ms/step -
accuracy: 0.7040 - loss: 0.5826
Epoch 1153/10000
1/1 0s 9ms/step -
accuracy: 0.7040 - loss: 0.5824
Epoch 1154/10000
1/1 0s 24ms/step -
accuracy: 0.7041 - loss: 0.5822
Epoch 1155/10000
1/1 0s 19ms/step -
accuracy: 0.7044 - loss: 0.5820
Epoch 1156/10000
1/1 0s 11ms/step -

accuracy: 0.7049 - loss: 0.5819
Epoch 1157/10000
1/1 0s 9ms/step -
accuracy: 0.7054 - loss: 0.5817
Epoch 1158/10000
1/1 0s 9ms/step -
accuracy: 0.7057 - loss: 0.5815
Epoch 1159/10000
1/1 0s 9ms/step -
accuracy: 0.7060 - loss: 0.5813
Epoch 1160/10000
1/1 0s 10ms/step -
accuracy: 0.7060 - loss: 0.5811
Epoch 1161/10000
1/1 0s 11ms/step -
accuracy: 0.7060 - loss: 0.5809
Epoch 1162/10000
1/1 0s 11ms/step -
accuracy: 0.7061 - loss: 0.5807
Epoch 1163/10000
1/1 0s 12ms/step -
accuracy: 0.7061 - loss: 0.5805
Epoch 1164/10000
1/1 0s 12ms/step -
accuracy: 0.7062 - loss: 0.5804
Epoch 1165/10000
1/1 0s 11ms/step -
accuracy: 0.7069 - loss: 0.5802
Epoch 1166/10000
1/1 0s 11ms/step -
accuracy: 0.7071 - loss: 0.5800
Epoch 1167/10000
1/1 0s 12ms/step -
accuracy: 0.7075 - loss: 0.5798
Epoch 1168/10000
1/1 0s 11ms/step -
accuracy: 0.7075 - loss: 0.5796
Epoch 1169/10000
1/1 0s 11ms/step -
accuracy: 0.7076 - loss: 0.5794
Epoch 1170/10000
1/1 0s 10ms/step -
accuracy: 0.7079 - loss: 0.5792
Epoch 1171/10000
1/1 0s 10ms/step -
accuracy: 0.7083 - loss: 0.5791
Epoch 1172/10000
1/1 0s 9ms/step -

accuracy: 0.7083 - loss: 0.5789
Epoch 1173/10000
1/1 0s 27ms/step -
accuracy: 0.7083 - loss: 0.5787
Epoch 1174/10000
1/1 0s 19ms/step -
accuracy: 0.7083 - loss: 0.5785
Epoch 1175/10000
1/1 0s 9ms/step -
accuracy: 0.7082 - loss: 0.5783
Epoch 1176/10000
1/1 0s 9ms/step -
accuracy: 0.7084 - loss: 0.5781
Epoch 1177/10000
1/1 0s 9ms/step -
accuracy: 0.7085 - loss: 0.5780
Epoch 1178/10000
1/1 0s 9ms/step -
accuracy: 0.7085 - loss: 0.5778
Epoch 1179/10000
1/1 0s 9ms/step -
accuracy: 0.7087 - loss: 0.5776
Epoch 1180/10000
1/1 0s 9ms/step -
accuracy: 0.7090 - loss: 0.5774
Epoch 1181/10000
1/1 0s 9ms/step -
accuracy: 0.7090 - loss: 0.5772
Epoch 1182/10000
1/1 0s 9ms/step -
accuracy: 0.7092 - loss: 0.5771
Epoch 1183/10000
1/1 0s 9ms/step -
accuracy: 0.7090 - loss: 0.5769
Epoch 1184/10000
1/1 0s 9ms/step -
accuracy: 0.7090 - loss: 0.5767
Epoch 1185/10000
1/1 0s 9ms/step -
accuracy: 0.7090 - loss: 0.5765
Epoch 1186/10000
1/1 0s 9ms/step -
accuracy: 0.7093 - loss: 0.5763
Epoch 1187/10000
1/1 0s 28ms/step -
accuracy: 0.7106 - loss: 0.5762
Epoch 1188/10000
1/1 0s 20ms/step -

accuracy: 0.7104 - loss: 0.5760
Epoch 1189/10000
1/1 0s 9ms/step -
accuracy: 0.7105 - loss: 0.5758
Epoch 1190/10000
1/1 0s 9ms/step -
accuracy: 0.7106 - loss: 0.5756
Epoch 1191/10000
1/1 0s 9ms/step -
accuracy: 0.7112 - loss: 0.5754
Epoch 1192/10000
1/1 0s 10ms/step -
accuracy: 0.7120 - loss: 0.5753
Epoch 1193/10000
1/1 0s 11ms/step -
accuracy: 0.7120 - loss: 0.5751
Epoch 1194/10000
1/1 0s 11ms/step -
accuracy: 0.7124 - loss: 0.5749
Epoch 1195/10000
1/1 0s 11ms/step -
accuracy: 0.7125 - loss: 0.5747
Epoch 1196/10000
1/1 0s 11ms/step -
accuracy: 0.7126 - loss: 0.5745
Epoch 1197/10000
1/1 0s 11ms/step -
accuracy: 0.7129 - loss: 0.5744
Epoch 1198/10000
1/1 0s 10ms/step -
accuracy: 0.7130 - loss: 0.5742
Epoch 1199/10000
1/1 0s 12ms/step -
accuracy: 0.7131 - loss: 0.5740
Epoch 1200/10000
1/1 0s 12ms/step -
accuracy: 0.7131 - loss: 0.5738
Epoch 1201/10000
1/1 0s 12ms/step -
accuracy: 0.7129 - loss: 0.5737
Epoch 1202/10000
1/1 0s 13ms/step -
accuracy: 0.7129 - loss: 0.5735
Epoch 1203/10000
1/1 0s 11ms/step -
accuracy: 0.7131 - loss: 0.5733
Epoch 1204/10000
1/1 0s 10ms/step -

accuracy: 0.7133 - loss: 0.5731
Epoch 1205/10000
1/1 0s 9ms/step -
accuracy: 0.7135 - loss: 0.5730
Epoch 1206/10000
1/1 0s 9ms/step -
accuracy: 0.7135 - loss: 0.5728
Epoch 1207/10000
1/1 0s 9ms/step -
accuracy: 0.7136 - loss: 0.5726
Epoch 1208/10000
1/1 0s 9ms/step -
accuracy: 0.7141 - loss: 0.5724
Epoch 1209/10000
1/1 0s 22ms/step -
accuracy: 0.7153 - loss: 0.5723
Epoch 1210/10000
1/1 0s 22ms/step -
accuracy: 0.7154 - loss: 0.5721
Epoch 1211/10000
1/1 0s 10ms/step -
accuracy: 0.7159 - loss: 0.5719
Epoch 1212/10000
1/1 0s 10ms/step -
accuracy: 0.7162 - loss: 0.5717
Epoch 1213/10000
1/1 0s 9ms/step -
accuracy: 0.7159 - loss: 0.5716
Epoch 1214/10000
1/1 0s 9ms/step -
accuracy: 0.7162 - loss: 0.5714
Epoch 1215/10000
1/1 0s 9ms/step -
accuracy: 0.7162 - loss: 0.5712
Epoch 1216/10000
1/1 0s 9ms/step -
accuracy: 0.7161 - loss: 0.5711
Epoch 1217/10000
1/1 0s 9ms/step -
accuracy: 0.7162 - loss: 0.5709
Epoch 1218/10000
1/1 0s 9ms/step -
accuracy: 0.7167 - loss: 0.5707
Epoch 1219/10000
1/1 0s 10ms/step -
accuracy: 0.7168 - loss: 0.5705
Epoch 1220/10000
1/1 0s 9ms/step -

```

accuracy: 0.7174 - loss: 0.5704
Epoch 1221/10000
1/1          0s 22ms/step -
accuracy: 0.7179 - loss: 0.5702
Epoch 1222/10000
1/1          0s 29ms/step -
accuracy: 0.7180 - loss: 0.5700
Epoch 1223/10000
1/1          0s 14ms/step -
accuracy: 0.7183 - loss: 0.5699
Epoch 1224/10000
1/1          0s 11ms/step -
accuracy: 0.7187 - loss: 0.5697
Epoch 1225/10000
1/1          0s 12ms/step -
accuracy: 0.7191 - loss: 0.5695
Epoch 1226/10000
1/1          0s 12ms/step -
accuracy: 0.7194 - loss: 0.5694
Epoch 1227/10000
1/1          0s 12ms/step -
accuracy: 0.7193 - loss: 0.5692
Epoch 1228/10000
1/1          0s 12ms/step -
accuracy: 0.7196 - loss: 0.5690
Epoch 1229/10000
1/1          0s 11ms/step -
accuracy: 0.7198 - loss: 0.5688
Epoch 1230/10000
1/1          0s 10ms/step -
accuracy: 0.7201 - loss: 0.5687
Epoch 1231/10000
1/1          0s 9ms/step -
accuracy: 0.7202 - loss: 0.5685
Epoch 1232/10000
1/1          0s 9ms/step -
accuracy: 0.7204 - loss: 0.5683
Epoch 1233/10000
1/1          0s 9ms/step -
accuracy: 0.7204 - loss: 0.5682
Epoch 1234/10000
1/1          0s 9ms/step -
accuracy: 0.7206 - loss: 0.5680
Epoch 1235/10000
1/1          0s 9ms/step -
accuracy: 0.7207 - loss: 0.5678
Epoch 1236/10000
1/1          0s 9ms/step -

```

accuracy: 0.7208 - loss: 0.5677
Epoch 1237/10000
1/1 0s 9ms/step -
accuracy: 0.7209 - loss: 0.5675
Epoch 1238/10000
1/1 0s 25ms/step -
accuracy: 0.7211 - loss: 0.5673
Epoch 1239/10000
1/1 0s 19ms/step -
accuracy: 0.7209 - loss: 0.5672
Epoch 1240/10000
1/1 0s 11ms/step -
accuracy: 0.7211 - loss: 0.5670
Epoch 1241/10000
1/1 0s 9ms/step -
accuracy: 0.7216 - loss: 0.5668
Epoch 1242/10000
1/1 0s 9ms/step -
accuracy: 0.7214 - loss: 0.5667
Epoch 1243/10000
1/1 0s 9ms/step -
accuracy: 0.7215 - loss: 0.5665
Epoch 1244/10000
1/1 0s 9ms/step -
accuracy: 0.7215 - loss: 0.5663
Epoch 1245/10000
1/1 0s 9ms/step -
accuracy: 0.7215 - loss: 0.5662
Epoch 1246/10000
1/1 0s 9ms/step -
accuracy: 0.7217 - loss: 0.5660
Epoch 1247/10000
1/1 0s 9ms/step -
accuracy: 0.7218 - loss: 0.5659
Epoch 1248/10000
1/1 0s 9ms/step -
accuracy: 0.7219 - loss: 0.5657
Epoch 1249/10000
1/1 0s 9ms/step -
accuracy: 0.7221 - loss: 0.5655
Epoch 1250/10000
1/1 0s 9ms/step -
accuracy: 0.7221 - loss: 0.5654
Epoch 1251/10000
1/1 0s 10ms/step -
accuracy: 0.7228 - loss: 0.5652
Epoch 1252/10000
1/1 0s 9ms/step -

accuracy: 0.7230 - loss: 0.5650
Epoch 1253/10000
1/1 0s 9ms/step -
accuracy: 0.7231 - loss: 0.5649
Epoch 1254/10000
1/1 0s 9ms/step -
accuracy: 0.7232 - loss: 0.5647
Epoch 1255/10000
1/1 0s 9ms/step -
accuracy: 0.7242 - loss: 0.5646
Epoch 1256/10000
1/1 0s 9ms/step -
accuracy: 0.7245 - loss: 0.5644
Epoch 1257/10000
1/1 0s 9ms/step -
accuracy: 0.7247 - loss: 0.5642
Epoch 1258/10000
1/1 0s 24ms/step -
accuracy: 0.7249 - loss: 0.5641
Epoch 1259/10000
1/1 0s 17ms/step -
accuracy: 0.7250 - loss: 0.5639
Epoch 1260/10000
1/1 0s 12ms/step -
accuracy: 0.7251 - loss: 0.5637
Epoch 1261/10000
1/1 0s 9ms/step -
accuracy: 0.7251 - loss: 0.5636
Epoch 1262/10000
1/1 0s 10ms/step -
accuracy: 0.7253 - loss: 0.5634
Epoch 1263/10000
1/1 0s 9ms/step -
accuracy: 0.7252 - loss: 0.5633
Epoch 1264/10000
1/1 0s 9ms/step -
accuracy: 0.7253 - loss: 0.5631
Epoch 1265/10000
1/1 0s 9ms/step -
accuracy: 0.7254 - loss: 0.5629
Epoch 1266/10000
1/1 0s 9ms/step -
accuracy: 0.7253 - loss: 0.5628
Epoch 1267/10000
1/1 0s 9ms/step -
accuracy: 0.7254 - loss: 0.5626
Epoch 1268/10000
1/1 0s 9ms/step -

accuracy: 0.7252 - loss: 0.5625
Epoch 1269/10000
1/1 0s 9ms/step -
accuracy: 0.7255 - loss: 0.5623
Epoch 1270/10000
1/1 0s 9ms/step -
accuracy: 0.7255 - loss: 0.5622
Epoch 1271/10000
1/1 0s 9ms/step -
accuracy: 0.7257 - loss: 0.5620
Epoch 1272/10000
1/1 0s 9ms/step -
accuracy: 0.7257 - loss: 0.5618
Epoch 1273/10000
1/1 0s 9ms/step -
accuracy: 0.7259 - loss: 0.5617
Epoch 1274/10000
1/1 0s 9ms/step -
accuracy: 0.7259 - loss: 0.5615
Epoch 1275/10000
1/1 0s 9ms/step -
accuracy: 0.7259 - loss: 0.5614
Epoch 1276/10000
1/1 0s 9ms/step -
accuracy: 0.7261 - loss: 0.5612
Epoch 1277/10000
1/1 0s 9ms/step -
accuracy: 0.7261 - loss: 0.5611
Epoch 1278/10000
1/1 0s 22ms/step -
accuracy: 0.7262 - loss: 0.5609
Epoch 1279/10000
1/1 0s 22ms/step -
accuracy: 0.7267 - loss: 0.5607
Epoch 1280/10000
1/1 0s 10ms/step -
accuracy: 0.7268 - loss: 0.5606
Epoch 1281/10000
1/1 0s 9ms/step -
accuracy: 0.7272 - loss: 0.5604
Epoch 1282/10000
1/1 0s 9ms/step -
accuracy: 0.7274 - loss: 0.5603
Epoch 1283/10000
1/1 0s 9ms/step -
accuracy: 0.7274 - loss: 0.5601
Epoch 1284/10000
1/1 0s 9ms/step -

accuracy: 0.7276 - loss: 0.5600
Epoch 1285/10000
1/1 0s 9ms/step -
accuracy: 0.7279 - loss: 0.5598
Epoch 1286/10000
1/1 0s 12ms/step -
accuracy: 0.7280 - loss: 0.5597
Epoch 1287/10000
1/1 0s 13ms/step -
accuracy: 0.7281 - loss: 0.5595
Epoch 1288/10000
1/1 0s 13ms/step -
accuracy: 0.7280 - loss: 0.5593
Epoch 1289/10000
1/1 0s 10ms/step -
accuracy: 0.7278 - loss: 0.5592
Epoch 1290/10000
1/1 0s 9ms/step -
accuracy: 0.7278 - loss: 0.5590
Epoch 1291/10000
1/1 0s 9ms/step -
accuracy: 0.7277 - loss: 0.5589
Epoch 1292/10000
1/1 0s 9ms/step -
accuracy: 0.7278 - loss: 0.5587
Epoch 1293/10000
1/1 0s 9ms/step -
accuracy: 0.7279 - loss: 0.5586
Epoch 1294/10000
1/1 0s 9ms/step -
accuracy: 0.7281 - loss: 0.5584
Epoch 1295/10000
1/1 0s 9ms/step -
accuracy: 0.7280 - loss: 0.5583
Epoch 1296/10000
1/1 0s 9ms/step -
accuracy: 0.7281 - loss: 0.5581
Epoch 1297/10000
1/1 0s 9ms/step -
accuracy: 0.7281 - loss: 0.5580
Epoch 1298/10000
1/1 0s 28ms/step -
accuracy: 0.7281 - loss: 0.5578
Epoch 1299/10000
1/1 0s 19ms/step -
accuracy: 0.7281 - loss: 0.5577
Epoch 1300/10000
1/1 0s 9ms/step -

accuracy: 0.7279 - loss: 0.5575
Epoch 1301/10000
1/1 0s 9ms/step -
accuracy: 0.7285 - loss: 0.5574
Epoch 1302/10000
1/1 0s 9ms/step -
accuracy: 0.7291 - loss: 0.5572
Epoch 1303/10000
1/1 0s 9ms/step -
accuracy: 0.7291 - loss: 0.5571
Epoch 1304/10000
1/1 0s 9ms/step -
accuracy: 0.7292 - loss: 0.5569
Epoch 1305/10000
1/1 0s 9ms/step -
accuracy: 0.7296 - loss: 0.5568
Epoch 1306/10000
1/1 0s 9ms/step -
accuracy: 0.7299 - loss: 0.5566
Epoch 1307/10000
1/1 0s 9ms/step -
accuracy: 0.7298 - loss: 0.5565
Epoch 1308/10000
1/1 0s 9ms/step -
accuracy: 0.7299 - loss: 0.5563
Epoch 1309/10000
1/1 0s 9ms/step -
accuracy: 0.7301 - loss: 0.5562
Epoch 1310/10000
1/1 0s 9ms/step -
accuracy: 0.7299 - loss: 0.5560
Epoch 1311/10000
1/1 0s 9ms/step -
accuracy: 0.7303 - loss: 0.5559
Epoch 1312/10000
1/1 0s 9ms/step -
accuracy: 0.7304 - loss: 0.5557
Epoch 1313/10000
1/1 0s 9ms/step -
accuracy: 0.7306 - loss: 0.5556
Epoch 1314/10000
1/1 0s 9ms/step -
accuracy: 0.7307 - loss: 0.5554
Epoch 1315/10000
1/1 0s 9ms/step -
accuracy: 0.7307 - loss: 0.5553
Epoch 1316/10000
1/1 0s 9ms/step -

```

accuracy: 0.7307 - loss: 0.5551
Epoch 1317/10000
1/1          0s 9ms/step -
accuracy: 0.7309 - loss: 0.5550
Epoch 1318/10000
1/1          0s 34ms/step -
accuracy: 0.7310 - loss: 0.5548
Epoch 1319/10000
1/1          0s 16ms/step -
accuracy: 0.7310 - loss: 0.5547
Epoch 1320/10000
1/1          0s 9ms/step -
accuracy: 0.7310 - loss: 0.5545
Epoch 1321/10000
1/1          0s 9ms/step -
accuracy: 0.7313 - loss: 0.5544
Epoch 1322/10000
1/1          0s 9ms/step -
accuracy: 0.7311 - loss: 0.5543
Epoch 1323/10000
1/1          0s 9ms/step -
accuracy: 0.7313 - loss: 0.5541
Epoch 1324/10000
1/1          0s 9ms/step -
accuracy: 0.7314 - loss: 0.5540
Epoch 1325/10000
1/1          0s 9ms/step -
accuracy: 0.7325 - loss: 0.5538
Epoch 1326/10000
1/1          0s 9ms/step -
accuracy: 0.7325 - loss: 0.5537
Epoch 1327/10000
1/1          0s 9ms/step -
accuracy: 0.7326 - loss: 0.5535
Epoch 1328/10000
1/1          0s 9ms/step -
accuracy: 0.7326 - loss: 0.5534
Epoch 1329/10000
1/1          0s 9ms/step -
accuracy: 0.7328 - loss: 0.5532
Epoch 1330/10000
1/1          0s 9ms/step -
accuracy: 0.7329 - loss: 0.5531
Epoch 1331/10000
1/1          0s 9ms/step -
accuracy: 0.7330 - loss: 0.5530
Epoch 1332/10000
1/1          0s 24ms/step -

```


accuracy: 0.7332 - loss: 0.5528
Epoch 1333/10000
1/1 0s 21ms/step -
accuracy: 0.7334 - loss: 0.5527
Epoch 1334/10000
1/1 0s 9ms/step -
accuracy: 0.7333 - loss: 0.5525
Epoch 1335/10000
1/1 0s 9ms/step -
accuracy: 0.7334 - loss: 0.5524
Epoch 1336/10000
1/1 0s 9ms/step -
accuracy: 0.7339 - loss: 0.5522
Epoch 1337/10000
1/1 0s 10ms/step -
accuracy: 0.7340 - loss: 0.5521
Epoch 1338/10000
1/1 0s 9ms/step -
accuracy: 0.7343 - loss: 0.5520
Epoch 1339/10000
1/1 0s 9ms/step -
accuracy: 0.7345 - loss: 0.5518
Epoch 1340/10000
1/1 0s 9ms/step -
accuracy: 0.7345 - loss: 0.5517
Epoch 1341/10000
1/1 0s 9ms/step -
accuracy: 0.7347 - loss: 0.5515
Epoch 1342/10000
1/1 0s 8ms/step -
accuracy: 0.7346 - loss: 0.5514
Epoch 1343/10000
1/1 0s 9ms/step -
accuracy: 0.7344 - loss: 0.5512
Epoch 1344/10000
1/1 0s 9ms/step -
accuracy: 0.7343 - loss: 0.5511
Epoch 1345/10000
1/1 0s 9ms/step -
accuracy: 0.7344 - loss: 0.5510
Epoch 1346/10000
1/1 0s 9ms/step -
accuracy: 0.7343 - loss: 0.5508
Epoch 1347/10000
1/1 0s 9ms/step -
accuracy: 0.7342 - loss: 0.5507
Epoch 1348/10000
1/1 0s 9ms/step -

accuracy: 0.7347 - loss: 0.5505
Epoch 1349/10000
1/1 0s 9ms/step -
accuracy: 0.7348 - loss: 0.5504
Epoch 1350/10000
1/1 0s 9ms/step -
accuracy: 0.7349 - loss: 0.5503
Epoch 1351/10000
1/1 0s 9ms/step -
accuracy: 0.7353 - loss: 0.5501
Epoch 1352/10000
1/1 0s 9ms/step -
accuracy: 0.7355 - loss: 0.5500
Epoch 1353/10000
1/1 0s 9ms/step -
accuracy: 0.7359 - loss: 0.5498
Epoch 1354/10000
1/1 0s 13ms/step -
accuracy: 0.7360 - loss: 0.5497
Epoch 1355/10000
1/1 0s 27ms/step -
accuracy: 0.7360 - loss: 0.5496
Epoch 1356/10000
1/1 0s 16ms/step -
accuracy: 0.7360 - loss: 0.5494
Epoch 1357/10000
1/1 0s 9ms/step -
accuracy: 0.7361 - loss: 0.5493
Epoch 1358/10000
1/1 0s 9ms/step -
accuracy: 0.7362 - loss: 0.5492
Epoch 1359/10000
1/1 0s 9ms/step -
accuracy: 0.7363 - loss: 0.5490
Epoch 1360/10000
1/1 0s 9ms/step -
accuracy: 0.7368 - loss: 0.5489
Epoch 1361/10000
1/1 0s 9ms/step -
accuracy: 0.7369 - loss: 0.5487
Epoch 1362/10000
1/1 0s 9ms/step -
accuracy: 0.7370 - loss: 0.5486
Epoch 1363/10000
1/1 0s 9ms/step -
accuracy: 0.7368 - loss: 0.5485
Epoch 1364/10000
1/1 0s 9ms/step -

accuracy: 0.7373 - loss: 0.5483
Epoch 1365/10000
1/1 0s 9ms/step -
accuracy: 0.7374 - loss: 0.5482
Epoch 1366/10000
1/1 0s 9ms/step -
accuracy: 0.7376 - loss: 0.5481
Epoch 1367/10000
1/1 0s 9ms/step -
accuracy: 0.7382 - loss: 0.5479
Epoch 1368/10000
1/1 0s 9ms/step -
accuracy: 0.7382 - loss: 0.5478
Epoch 1369/10000
1/1 0s 9ms/step -
accuracy: 0.7384 - loss: 0.5477
Epoch 1370/10000
1/1 0s 9ms/step -
accuracy: 0.7383 - loss: 0.5475
Epoch 1371/10000
1/1 0s 9ms/step -
accuracy: 0.7382 - loss: 0.5474
Epoch 1372/10000
1/1 0s 9ms/step -
accuracy: 0.7383 - loss: 0.5473
Epoch 1373/10000
1/1 0s 18ms/step -
accuracy: 0.7384 - loss: 0.5471
Epoch 1374/10000
1/1 0s 24ms/step -
accuracy: 0.7390 - loss: 0.5470
Epoch 1375/10000
1/1 0s 13ms/step -
accuracy: 0.7394 - loss: 0.5468
Epoch 1376/10000
1/1 0s 9ms/step -
accuracy: 0.7396 - loss: 0.5467
Epoch 1377/10000
1/1 0s 9ms/step -
accuracy: 0.7398 - loss: 0.5466
Epoch 1378/10000
1/1 0s 9ms/step -
accuracy: 0.7400 - loss: 0.5464
Epoch 1379/10000
1/1 0s 9ms/step -
accuracy: 0.7399 - loss: 0.5463
Epoch 1380/10000
1/1 0s 9ms/step -

accuracy: 0.7402 - loss: 0.5462
Epoch 1381/10000
1/1 0s 9ms/step -
accuracy: 0.7401 - loss: 0.5460
Epoch 1382/10000
1/1 0s 9ms/step -
accuracy: 0.7400 - loss: 0.5459
Epoch 1383/10000
1/1 0s 9ms/step -
accuracy: 0.7401 - loss: 0.5458
Epoch 1384/10000
1/1 0s 9ms/step -
accuracy: 0.7403 - loss: 0.5457
Epoch 1385/10000
1/1 0s 9ms/step -
accuracy: 0.7402 - loss: 0.5455
Epoch 1386/10000
1/1 0s 9ms/step -
accuracy: 0.7403 - loss: 0.5454
Epoch 1387/10000
1/1 0s 8ms/step -
accuracy: 0.7404 - loss: 0.5453
Epoch 1388/10000
1/1 0s 9ms/step -
accuracy: 0.7405 - loss: 0.5451
Epoch 1389/10000
1/1 0s 9ms/step -
accuracy: 0.7408 - loss: 0.5450
Epoch 1390/10000
1/1 0s 9ms/step -
accuracy: 0.7410 - loss: 0.5449
Epoch 1391/10000
1/1 0s 14ms/step -
accuracy: 0.7413 - loss: 0.5447
Epoch 1392/10000
1/1 0s 28ms/step -
accuracy: 0.7414 - loss: 0.5446
Epoch 1393/10000
1/1 0s 13ms/step -
accuracy: 0.7412 - loss: 0.5445
Epoch 1394/10000
1/1 0s 9ms/step -
accuracy: 0.7423 - loss: 0.5443
Epoch 1395/10000
1/1 0s 9ms/step -
accuracy: 0.7423 - loss: 0.5442
Epoch 1396/10000
1/1 0s 9ms/step -

accuracy: 0.7422 - loss: 0.5441
Epoch 1397/10000
1/1 0s 9ms/step -
accuracy: 0.7426 - loss: 0.5440
Epoch 1398/10000
1/1 0s 9ms/step -
accuracy: 0.7432 - loss: 0.5438
Epoch 1399/10000
1/1 0s 9ms/step -
accuracy: 0.7435 - loss: 0.5437
Epoch 1400/10000
1/1 0s 9ms/step -
accuracy: 0.7435 - loss: 0.5436
Epoch 1401/10000
1/1 0s 9ms/step -
accuracy: 0.7437 - loss: 0.5434
Epoch 1402/10000
1/1 0s 9ms/step -
accuracy: 0.7439 - loss: 0.5433
Epoch 1403/10000
1/1 0s 9ms/step -
accuracy: 0.7437 - loss: 0.5432
Epoch 1404/10000
1/1 0s 9ms/step -
accuracy: 0.7439 - loss: 0.5431
Epoch 1405/10000
1/1 0s 10ms/step -
accuracy: 0.7439 - loss: 0.5429
Epoch 1406/10000
1/1 0s 9ms/step -
accuracy: 0.7441 - loss: 0.5428
Epoch 1407/10000
1/1 0s 9ms/step -
accuracy: 0.7442 - loss: 0.5427
Epoch 1408/10000
1/1 0s 9ms/step -
accuracy: 0.7444 - loss: 0.5425
Epoch 1409/10000
1/1 0s 20ms/step -
accuracy: 0.7444 - loss: 0.5424
Epoch 1410/10000
1/1 0s 24ms/step -
accuracy: 0.7447 - loss: 0.5423
Epoch 1411/10000
1/1 0s 11ms/step -
accuracy: 0.7448 - loss: 0.5422
Epoch 1412/10000
1/1 0s 11ms/step -

accuracy: 0.7447 - loss: 0.5420
Epoch 1413/10000
1/1 0s 12ms/step -
accuracy: 0.7446 - loss: 0.5419
Epoch 1414/10000
1/1 0s 11ms/step -
accuracy: 0.7446 - loss: 0.5418
Epoch 1415/10000
1/1 0s 11ms/step -
accuracy: 0.7449 - loss: 0.5417
Epoch 1416/10000
1/1 0s 12ms/step -
accuracy: 0.7450 - loss: 0.5415
Epoch 1417/10000
1/1 0s 13ms/step -
accuracy: 0.7454 - loss: 0.5414
Epoch 1418/10000
1/1 0s 13ms/step -
accuracy: 0.7459 - loss: 0.5413
Epoch 1419/10000
1/1 0s 12ms/step -
accuracy: 0.7453 - loss: 0.5412
Epoch 1420/10000
1/1 0s 13ms/step -
accuracy: 0.7454 - loss: 0.5410
Epoch 1421/10000
1/1 0s 11ms/step -
accuracy: 0.7459 - loss: 0.5409
Epoch 1422/10000
1/1 0s 10ms/step -
accuracy: 0.7458 - loss: 0.5408
Epoch 1423/10000
1/1 0s 9ms/step -
accuracy: 0.7462 - loss: 0.5407
Epoch 1424/10000
1/1 0s 10ms/step -
accuracy: 0.7464 - loss: 0.5405
Epoch 1425/10000
1/1 0s 9ms/step -
accuracy: 0.7462 - loss: 0.5404
Epoch 1426/10000
1/1 0s 9ms/step -
accuracy: 0.7462 - loss: 0.5403
Epoch 1427/10000
1/1 0s 9ms/step -
accuracy: 0.7463 - loss: 0.5402
Epoch 1428/10000
1/1 0s 9ms/step -

accuracy: 0.7460 - loss: 0.5400
Epoch 1429/10000
1/1 0s 9ms/step -
accuracy: 0.7463 - loss: 0.5399
Epoch 1430/10000
1/1 0s 18ms/step -
accuracy: 0.7464 - loss: 0.5398
Epoch 1431/10000
1/1 0s 31ms/step -
accuracy: 0.7465 - loss: 0.5397
Epoch 1432/10000
1/1 0s 9ms/step -
accuracy: 0.7465 - loss: 0.5395
Epoch 1433/10000
1/1 0s 9ms/step -
accuracy: 0.7467 - loss: 0.5394
Epoch 1434/10000
1/1 0s 9ms/step -
accuracy: 0.7469 - loss: 0.5393
Epoch 1435/10000
1/1 0s 9ms/step -
accuracy: 0.7470 - loss: 0.5392
Epoch 1436/10000
1/1 0s 9ms/step -
accuracy: 0.7470 - loss: 0.5391
Epoch 1437/10000
1/1 0s 9ms/step -
accuracy: 0.7467 - loss: 0.5389
Epoch 1438/10000
1/1 0s 9ms/step -
accuracy: 0.7470 - loss: 0.5388
Epoch 1439/10000
1/1 0s 9ms/step -
accuracy: 0.7469 - loss: 0.5387
Epoch 1440/10000
1/1 0s 9ms/step -
accuracy: 0.7470 - loss: 0.5386
Epoch 1441/10000
1/1 0s 9ms/step -
accuracy: 0.7472 - loss: 0.5384
Epoch 1442/10000
1/1 0s 9ms/step -
accuracy: 0.7473 - loss: 0.5383
Epoch 1443/10000
1/1 0s 9ms/step -
accuracy: 0.7474 - loss: 0.5382
Epoch 1444/10000
1/1 0s 37ms/step -

accuracy: 0.7476 - loss: 0.5381
Epoch 1445/10000
1/1 0s 16ms/step -
accuracy: 0.7481 - loss: 0.5380
Epoch 1446/10000
1/1 0s 11ms/step -
accuracy: 0.7482 - loss: 0.5378
Epoch 1447/10000
1/1 0s 10ms/step -
accuracy: 0.7484 - loss: 0.5377
Epoch 1448/10000
1/1 0s 10ms/step -
accuracy: 0.7485 - loss: 0.5376
Epoch 1449/10000
1/1 0s 10ms/step -
accuracy: 0.7491 - loss: 0.5375
Epoch 1450/10000
1/1 0s 12ms/step -
accuracy: 0.7492 - loss: 0.5374
Epoch 1451/10000
1/1 0s 12ms/step -
accuracy: 0.7492 - loss: 0.5373
Epoch 1452/10000
1/1 0s 12ms/step -
accuracy: 0.7490 - loss: 0.5371
Epoch 1453/10000
1/1 0s 13ms/step -
accuracy: 0.7491 - loss: 0.5370
Epoch 1454/10000
1/1 0s 11ms/step -
accuracy: 0.7492 - loss: 0.5369
Epoch 1455/10000
1/1 0s 10ms/step -
accuracy: 0.7493 - loss: 0.5368
Epoch 1456/10000
1/1 0s 9ms/step -
accuracy: 0.7492 - loss: 0.5367
Epoch 1457/10000
1/1 0s 9ms/step -
accuracy: 0.7491 - loss: 0.5365
Epoch 1458/10000
1/1 0s 10ms/step -
accuracy: 0.7492 - loss: 0.5364
Epoch 1459/10000
1/1 0s 10ms/step -
accuracy: 0.7490 - loss: 0.5363
Epoch 1460/10000
1/1 0s 9ms/step -

accuracy: 0.7492 - loss: 0.5362
Epoch 1461/10000
1/1 0s 9ms/step -
accuracy: 0.7493 - loss: 0.5361
Epoch 1462/10000
1/1 0s 22ms/step -
accuracy: 0.7491 - loss: 0.5360
Epoch 1463/10000
1/1 0s 23ms/step -
accuracy: 0.7496 - loss: 0.5358
Epoch 1464/10000
1/1 0s 11ms/step -
accuracy: 0.7496 - loss: 0.5357
Epoch 1465/10000
1/1 0s 9ms/step -
accuracy: 0.7495 - loss: 0.5356
Epoch 1466/10000
1/1 0s 9ms/step -
accuracy: 0.7495 - loss: 0.5355
Epoch 1467/10000
1/1 0s 9ms/step -
accuracy: 0.7502 - loss: 0.5354
Epoch 1468/10000
1/1 0s 9ms/step -
accuracy: 0.7502 - loss: 0.5353
Epoch 1469/10000
1/1 0s 9ms/step -
accuracy: 0.7503 - loss: 0.5351
Epoch 1470/10000
1/1 0s 9ms/step -
accuracy: 0.7503 - loss: 0.5350
Epoch 1471/10000
1/1 0s 9ms/step -
accuracy: 0.7504 - loss: 0.5349
Epoch 1472/10000
1/1 0s 10ms/step -
accuracy: 0.7506 - loss: 0.5348
Epoch 1473/10000
1/1 0s 9ms/step -
accuracy: 0.7506 - loss: 0.5347
Epoch 1474/10000
1/1 0s 9ms/step -
accuracy: 0.7513 - loss: 0.5346
Epoch 1475/10000
1/1 0s 9ms/step -
accuracy: 0.7513 - loss: 0.5344
Epoch 1476/10000
1/1 0s 9ms/step -

accuracy: 0.7514 - loss: 0.5343
Epoch 1477/10000
1/1 0s 9ms/step -
accuracy: 0.7514 - loss: 0.5342
Epoch 1478/10000
1/1 0s 9ms/step -
accuracy: 0.7513 - loss: 0.5341
Epoch 1479/10000
1/1 0s 9ms/step -
accuracy: 0.7514 - loss: 0.5340
Epoch 1480/10000
1/1 0s 10ms/step -
accuracy: 0.7510 - loss: 0.5339
Epoch 1481/10000
1/1 0s 10ms/step -
accuracy: 0.7510 - loss: 0.5338
Epoch 1482/10000
1/1 0s 11ms/step -
accuracy: 0.7512 - loss: 0.5337
Epoch 1483/10000
1/1 0s 11ms/step -
accuracy: 0.7512 - loss: 0.5335
Epoch 1484/10000
1/1 0s 14ms/step -
accuracy: 0.7511 - loss: 0.5334
Epoch 1485/10000
1/1 0s 39ms/step -
accuracy: 0.7511 - loss: 0.5333
Epoch 1486/10000
1/1 0s 16ms/step -
accuracy: 0.7510 - loss: 0.5332
Epoch 1487/10000
1/1 0s 10ms/step -
accuracy: 0.7507 - loss: 0.5331
Epoch 1488/10000
1/1 0s 10ms/step -
accuracy: 0.7507 - loss: 0.5330
Epoch 1489/10000
1/1 0s 10ms/step -
accuracy: 0.7513 - loss: 0.5329
Epoch 1490/10000
1/1 0s 12ms/step -
accuracy: 0.7518 - loss: 0.5327
Epoch 1491/10000
1/1 0s 9ms/step -
accuracy: 0.7517 - loss: 0.5326
Epoch 1492/10000
1/1 0s 9ms/step -

accuracy: 0.7516 - loss: 0.5325
Epoch 1493/10000
1/1 0s 9ms/step -
accuracy: 0.7517 - loss: 0.5324
Epoch 1494/10000
1/1 0s 9ms/step -
accuracy: 0.7519 - loss: 0.5323
Epoch 1495/10000
1/1 0s 9ms/step -
accuracy: 0.7519 - loss: 0.5322
Epoch 1496/10000
1/1 0s 9ms/step -
accuracy: 0.7515 - loss: 0.5321
Epoch 1497/10000
1/1 0s 12ms/step -
accuracy: 0.7516 - loss: 0.5320
Epoch 1498/10000
1/1 0s 12ms/step -
accuracy: 0.7516 - loss: 0.5319
Epoch 1499/10000
1/1 0s 11ms/step -
accuracy: 0.7516 - loss: 0.5317
Epoch 1500/10000
1/1 0s 9ms/step -
accuracy: 0.7515 - loss: 0.5316
Epoch 1501/10000
1/1 0s 9ms/step -
accuracy: 0.7517 - loss: 0.5315
Epoch 1502/10000
1/1 0s 9ms/step -
accuracy: 0.7517 - loss: 0.5314
Epoch 1503/10000
1/1 0s 9ms/step -
accuracy: 0.7517 - loss: 0.5313
Epoch 1504/10000
1/1 0s 9ms/step -
accuracy: 0.7516 - loss: 0.5312
Epoch 1505/10000
1/1 0s 19ms/step -
accuracy: 0.7516 - loss: 0.5311
Epoch 1506/10000
1/1 0s 24ms/step -
accuracy: 0.7515 - loss: 0.5310
Epoch 1507/10000
1/1 0s 11ms/step -
accuracy: 0.7516 - loss: 0.5309
Epoch 1508/10000
1/1 0s 9ms/step -

accuracy: 0.7518 - loss: 0.5308
Epoch 1509/10000
1/1 0s 9ms/step -
accuracy: 0.7519 - loss: 0.5307
Epoch 1510/10000
1/1 0s 9ms/step -
accuracy: 0.7519 - loss: 0.5305
Epoch 1511/10000
1/1 0s 9ms/step -
accuracy: 0.7518 - loss: 0.5304
Epoch 1512/10000
1/1 0s 9ms/step -
accuracy: 0.7521 - loss: 0.5303
Epoch 1513/10000
1/1 0s 9ms/step -
accuracy: 0.7526 - loss: 0.5302
Epoch 1514/10000
1/1 0s 9ms/step -
accuracy: 0.7527 - loss: 0.5301
Epoch 1515/10000
1/1 0s 9ms/step -
accuracy: 0.7527 - loss: 0.5300
Epoch 1516/10000
1/1 0s 9ms/step -
accuracy: 0.7528 - loss: 0.5299
Epoch 1517/10000
1/1 0s 9ms/step -
accuracy: 0.7531 - loss: 0.5298
Epoch 1518/10000
1/1 0s 9ms/step -
accuracy: 0.7532 - loss: 0.5297
Epoch 1519/10000
1/1 0s 9ms/step -
accuracy: 0.7531 - loss: 0.5296
Epoch 1520/10000
1/1 0s 9ms/step -
accuracy: 0.7534 - loss: 0.5295
Epoch 1521/10000
1/1 0s 9ms/step -
accuracy: 0.7532 - loss: 0.5294
Epoch 1522/10000
1/1 0s 9ms/step -
accuracy: 0.7533 - loss: 0.5293
Epoch 1523/10000
1/1 0s 9ms/step -
accuracy: 0.7533 - loss: 0.5291
Epoch 1524/10000
1/1 0s 9ms/step -

accuracy: 0.7533 - loss: 0.5290
Epoch 1525/10000
1/1 0s 20ms/step -
accuracy: 0.7533 - loss: 0.5289
Epoch 1526/10000
1/1 0s 24ms/step -
accuracy: 0.7532 - loss: 0.5288
Epoch 1527/10000
1/1 0s 10ms/step -
accuracy: 0.7529 - loss: 0.5287
Epoch 1528/10000
1/1 0s 9ms/step -
accuracy: 0.7529 - loss: 0.5286
Epoch 1529/10000
1/1 0s 9ms/step -
accuracy: 0.7529 - loss: 0.5285
Epoch 1530/10000
1/1 0s 9ms/step -
accuracy: 0.7529 - loss: 0.5284
Epoch 1531/10000
1/1 0s 9ms/step -
accuracy: 0.7531 - loss: 0.5283
Epoch 1532/10000
1/1 0s 9ms/step -
accuracy: 0.7534 - loss: 0.5282
Epoch 1533/10000
1/1 0s 9ms/step -
accuracy: 0.7536 - loss: 0.5281
Epoch 1534/10000
1/1 0s 9ms/step -
accuracy: 0.7540 - loss: 0.5280
Epoch 1535/10000
1/1 0s 9ms/step -
accuracy: 0.7541 - loss: 0.5279
Epoch 1536/10000
1/1 0s 9ms/step -
accuracy: 0.7541 - loss: 0.5278
Epoch 1537/10000
1/1 0s 9ms/step -
accuracy: 0.7541 - loss: 0.5277
Epoch 1538/10000
1/1 0s 9ms/step -
accuracy: 0.7542 - loss: 0.5276
Epoch 1539/10000
1/1 0s 9ms/step -
accuracy: 0.7542 - loss: 0.5275
Epoch 1540/10000
1/1 0s 9ms/step -

accuracy: 0.7545 - loss: 0.5274
Epoch 1541/10000
1/1 0s 9ms/step -
accuracy: 0.7545 - loss: 0.5273
Epoch 1542/10000
1/1 0s 25ms/step -
accuracy: 0.7546 - loss: 0.5272
Epoch 1543/10000
1/1 0s 21ms/step -
accuracy: 0.7549 - loss: 0.5271
Epoch 1544/10000
1/1 0s 9ms/step -
accuracy: 0.7553 - loss: 0.5269
Epoch 1545/10000
1/1 0s 9ms/step -
accuracy: 0.7554 - loss: 0.5268
Epoch 1546/10000
1/1 0s 9ms/step -
accuracy: 0.7551 - loss: 0.5267
Epoch 1547/10000
1/1 0s 9ms/step -
accuracy: 0.7552 - loss: 0.5266
Epoch 1548/10000
1/1 0s 9ms/step -
accuracy: 0.7555 - loss: 0.5265
Epoch 1549/10000
1/1 0s 9ms/step -
accuracy: 0.7557 - loss: 0.5264
Epoch 1550/10000
1/1 0s 9ms/step -
accuracy: 0.7559 - loss: 0.5263
Epoch 1551/10000
1/1 0s 9ms/step -
accuracy: 0.7560 - loss: 0.5262
Epoch 1552/10000
1/1 0s 9ms/step -
accuracy: 0.7559 - loss: 0.5261
Epoch 1553/10000
1/1 0s 9ms/step -
accuracy: 0.7560 - loss: 0.5260
Epoch 1554/10000
1/1 0s 9ms/step -
accuracy: 0.7566 - loss: 0.5259
Epoch 1555/10000
1/1 0s 9ms/step -
accuracy: 0.7565 - loss: 0.5258
Epoch 1556/10000
1/1 0s 9ms/step -

accuracy: 0.7567 - loss: 0.5257
Epoch 1557/10000
1/1 0s 9ms/step -
accuracy: 0.7568 - loss: 0.5256
Epoch 1558/10000
1/1 0s 9ms/step -
accuracy: 0.7573 - loss: 0.5255
Epoch 1559/10000
1/1 0s 9ms/step -
accuracy: 0.7574 - loss: 0.5254
Epoch 1560/10000
1/1 0s 9ms/step -
accuracy: 0.7574 - loss: 0.5253
Epoch 1561/10000
1/1 0s 23ms/step -
accuracy: 0.7575 - loss: 0.5252
Epoch 1562/10000
1/1 0s 22ms/step -
accuracy: 0.7575 - loss: 0.5251
Epoch 1563/10000
1/1 0s 10ms/step -
accuracy: 0.7578 - loss: 0.5250
Epoch 1564/10000
1/1 0s 10ms/step -
accuracy: 0.7578 - loss: 0.5249
Epoch 1565/10000
1/1 0s 12ms/step -
accuracy: 0.7579 - loss: 0.5248
Epoch 1566/10000
1/1 0s 11ms/step -
accuracy: 0.7577 - loss: 0.5247
Epoch 1567/10000
1/1 0s 12ms/step -
accuracy: 0.7578 - loss: 0.5246
Epoch 1568/10000
1/1 0s 12ms/step -
accuracy: 0.7579 - loss: 0.5245
Epoch 1569/10000
1/1 0s 11ms/step -
accuracy: 0.7578 - loss: 0.5244
Epoch 1570/10000
1/1 0s 13ms/step -
accuracy: 0.7579 - loss: 0.5243
Epoch 1571/10000
1/1 0s 12ms/step -
accuracy: 0.7579 - loss: 0.5242
Epoch 1572/10000
1/1 0s 13ms/step -

accuracy: 0.7581 - loss: 0.5241
Epoch 1573/10000
1/1 0s 12ms/step -
accuracy: 0.7583 - loss: 0.5240
Epoch 1574/10000
1/1 0s 10ms/step -
accuracy: 0.7583 - loss: 0.5239
Epoch 1575/10000
1/1 0s 10ms/step -
accuracy: 0.7583 - loss: 0.5238
Epoch 1576/10000
1/1 0s 9ms/step -
accuracy: 0.7585 - loss: 0.5237
Epoch 1577/10000
1/1 0s 9ms/step -
accuracy: 0.7586 - loss: 0.5236
Epoch 1578/10000
1/1 0s 9ms/step -
accuracy: 0.7587 - loss: 0.5235
Epoch 1579/10000
1/1 0s 19ms/step -
accuracy: 0.7588 - loss: 0.5234
Epoch 1580/10000
1/1 0s 25ms/step -
accuracy: 0.7589 - loss: 0.5233
Epoch 1581/10000
1/1 0s 11ms/step -
accuracy: 0.7591 - loss: 0.5232
Epoch 1582/10000
1/1 0s 9ms/step -
accuracy: 0.7589 - loss: 0.5231
Epoch 1583/10000
1/1 0s 9ms/step -
accuracy: 0.7595 - loss: 0.5230
Epoch 1584/10000
1/1 0s 9ms/step -
accuracy: 0.7593 - loss: 0.5229
Epoch 1585/10000
1/1 0s 9ms/step -
accuracy: 0.7594 - loss: 0.5228
Epoch 1586/10000
1/1 0s 9ms/step -
accuracy: 0.7595 - loss: 0.5228
Epoch 1587/10000
1/1 0s 9ms/step -
accuracy: 0.7595 - loss: 0.5227
Epoch 1588/10000
1/1 0s 9ms/step -

accuracy: 0.7595 - loss: 0.5226
Epoch 1589/10000
1/1 0s 9ms/step -
accuracy: 0.7603 - loss: 0.5225
Epoch 1590/10000
1/1 0s 9ms/step -
accuracy: 0.7602 - loss: 0.5224
Epoch 1591/10000
1/1 0s 20ms/step -
accuracy: 0.7603 - loss: 0.5223
Epoch 1592/10000
1/1 0s 25ms/step -
accuracy: 0.7603 - loss: 0.5222
Epoch 1593/10000
1/1 0s 10ms/step -
accuracy: 0.7603 - loss: 0.5221
Epoch 1594/10000
1/1 0s 9ms/step -
accuracy: 0.7604 - loss: 0.5220
Epoch 1595/10000
1/1 0s 10ms/step -
accuracy: 0.7605 - loss: 0.5219
Epoch 1596/10000
1/1 0s 9ms/step -
accuracy: 0.7605 - loss: 0.5218
Epoch 1597/10000
1/1 0s 9ms/step -
accuracy: 0.7608 - loss: 0.5217
Epoch 1598/10000
1/1 0s 9ms/step -
accuracy: 0.7606 - loss: 0.5216
Epoch 1599/10000
1/1 0s 9ms/step -
accuracy: 0.7607 - loss: 0.5215
Epoch 1600/10000
1/1 0s 9ms/step -
accuracy: 0.7607 - loss: 0.5214
Epoch 1601/10000
1/1 0s 9ms/step -
accuracy: 0.7611 - loss: 0.5213
Epoch 1602/10000
1/1 0s 10ms/step -
accuracy: 0.7615 - loss: 0.5212
Epoch 1603/10000
1/1 0s 11ms/step -
accuracy: 0.7617 - loss: 0.5211
Epoch 1604/10000
1/1 0s 11ms/step -

accuracy: 0.7618 - loss: 0.5210
Epoch 1605/10000
1/1 0s 12ms/step -
accuracy: 0.7616 - loss: 0.5209
Epoch 1606/10000
1/1 0s 12ms/step -
accuracy: 0.7614 - loss: 0.5208
Epoch 1607/10000
1/1 0s 12ms/step -
accuracy: 0.7616 - loss: 0.5207
Epoch 1608/10000
1/1 0s 10ms/step -
accuracy: 0.7618 - loss: 0.5207
Epoch 1609/10000
1/1 0s 10ms/step -
accuracy: 0.7620 - loss: 0.5206
Epoch 1610/10000
1/1 0s 9ms/step -
accuracy: 0.7621 - loss: 0.5205
Epoch 1611/10000
1/1 0s 9ms/step -
accuracy: 0.7622 - loss: 0.5204
Epoch 1612/10000
1/1 0s 10ms/step -
accuracy: 0.7620 - loss: 0.5203
Epoch 1613/10000
1/1 0s 9ms/step -
accuracy: 0.7621 - loss: 0.5202
Epoch 1614/10000
1/1 0s 9ms/step -
accuracy: 0.7621 - loss: 0.5201
Epoch 1615/10000
1/1 0s 9ms/step -
accuracy: 0.7626 - loss: 0.5200
Epoch 1616/10000
1/1 0s 9ms/step -
accuracy: 0.7627 - loss: 0.5199
Epoch 1617/10000
1/1 0s 9ms/step -
accuracy: 0.7629 - loss: 0.5198
Epoch 1618/10000
1/1 0s 28ms/step -
accuracy: 0.7630 - loss: 0.5197
Epoch 1619/10000
1/1 0s 19ms/step -
accuracy: 0.7631 - loss: 0.5196
Epoch 1620/10000
1/1 0s 9ms/step -

```

accuracy: 0.7631 - loss: 0.5195
Epoch 1621/10000
1/1          0s 9ms/step -
accuracy: 0.7631 - loss: 0.5194
Epoch 1622/10000
1/1          0s 9ms/step -
accuracy: 0.7633 - loss: 0.5194
Epoch 1623/10000
1/1          0s 10ms/step -
accuracy: 0.7634 - loss: 0.5193
Epoch 1624/10000
1/1          0s 10ms/step -
accuracy: 0.7634 - loss: 0.5192
Epoch 1625/10000
1/1          0s 10ms/step -
accuracy: 0.7637 - loss: 0.5191
Epoch 1626/10000
1/1          0s 10ms/step -
accuracy: 0.7642 - loss: 0.5190
Epoch 1627/10000
1/1          0s 9ms/step -
accuracy: 0.7642 - loss: 0.5189
Epoch 1628/10000
1/1          0s 10ms/step -
accuracy: 0.7643 - loss: 0.5188
Epoch 1629/10000
1/1          0s 10ms/step -
accuracy: 0.7643 - loss: 0.5187
Epoch 1630/10000
1/1          0s 10ms/step -
accuracy: 0.7643 - loss: 0.5186
Epoch 1631/10000
1/1          0s 10ms/step -
accuracy: 0.7643 - loss: 0.5185
Epoch 1632/10000
1/1          0s 10ms/step -
accuracy: 0.7644 - loss: 0.5184
Epoch 1633/10000
1/1          0s 10ms/step -
accuracy: 0.7645 - loss: 0.5184
Epoch 1634/10000
1/1          0s 26ms/step -
accuracy: 0.7645 - loss: 0.5183
Epoch 1635/10000
1/1          0s 25ms/step -
accuracy: 0.7646 - loss: 0.5182
Epoch 1636/10000
1/1          0s 10ms/step -

```

accuracy: 0.7646 - loss: 0.5181
Epoch 1637/10000
1/1 0s 10ms/step -
accuracy: 0.7648 - loss: 0.5180
Epoch 1638/10000
1/1 0s 9ms/step -
accuracy: 0.7648 - loss: 0.5179
Epoch 1639/10000
1/1 0s 10ms/step -
accuracy: 0.7648 - loss: 0.5178
Epoch 1640/10000
1/1 0s 9ms/step -
accuracy: 0.7651 - loss: 0.5177
Epoch 1641/10000
1/1 0s 9ms/step -
accuracy: 0.7653 - loss: 0.5176
Epoch 1642/10000
1/1 0s 9ms/step -
accuracy: 0.7656 - loss: 0.5175
Epoch 1643/10000
1/1 0s 9ms/step -
accuracy: 0.7657 - loss: 0.5175
Epoch 1644/10000
1/1 0s 9ms/step -
accuracy: 0.7657 - loss: 0.5174
Epoch 1645/10000
1/1 0s 9ms/step -
accuracy: 0.7656 - loss: 0.5173
Epoch 1646/10000
1/1 0s 9ms/step -
accuracy: 0.7657 - loss: 0.5172
Epoch 1647/10000
1/1 0s 9ms/step -
accuracy: 0.7656 - loss: 0.5171
Epoch 1648/10000
1/1 0s 9ms/step -
accuracy: 0.7659 - loss: 0.5170
Epoch 1649/10000
1/1 0s 10ms/step -
accuracy: 0.7659 - loss: 0.5169
Epoch 1650/10000
1/1 0s 9ms/step -
accuracy: 0.7661 - loss: 0.5168
Epoch 1651/10000
1/1 0s 9ms/step -
accuracy: 0.7661 - loss: 0.5167
Epoch 1652/10000
1/1 0s 9ms/step -

accuracy: 0.7660 - loss: 0.5167
Epoch 1653/10000
1/1 0s 19ms/step -
accuracy: 0.7660 - loss: 0.5166
Epoch 1654/10000
1/1 0s 25ms/step -
accuracy: 0.7661 - loss: 0.5165
Epoch 1655/10000
1/1 0s 14ms/step -
accuracy: 0.7661 - loss: 0.5164
Epoch 1656/10000
1/1 0s 10ms/step -
accuracy: 0.7660 - loss: 0.5163
Epoch 1657/10000
1/1 0s 10ms/step -
accuracy: 0.7663 - loss: 0.5162
Epoch 1658/10000
1/1 0s 9ms/step -
accuracy: 0.7664 - loss: 0.5161
Epoch 1659/10000
1/1 0s 10ms/step -
accuracy: 0.7664 - loss: 0.5160
Epoch 1660/10000
1/1 0s 10ms/step -
accuracy: 0.7663 - loss: 0.5160
Epoch 1661/10000
1/1 0s 10ms/step -
accuracy: 0.7664 - loss: 0.5159
Epoch 1662/10000
1/1 0s 10ms/step -
accuracy: 0.7664 - loss: 0.5158
Epoch 1663/10000
1/1 0s 9ms/step -
accuracy: 0.7662 - loss: 0.5157
Epoch 1664/10000
1/1 0s 10ms/step -
accuracy: 0.7662 - loss: 0.5156
Epoch 1665/10000
1/1 0s 9ms/step -
accuracy: 0.7662 - loss: 0.5155
Epoch 1666/10000
1/1 0s 9ms/step -
accuracy: 0.7662 - loss: 0.5154
Epoch 1667/10000
1/1 0s 9ms/step -
accuracy: 0.7661 - loss: 0.5154
Epoch 1668/10000
1/1 0s 9ms/step -

accuracy: 0.7662 - loss: 0.5153
Epoch 1669/10000
1/1 0s 9ms/step -
accuracy: 0.7663 - loss: 0.5152
Epoch 1670/10000
1/1 0s 9ms/step -
accuracy: 0.7663 - loss: 0.5151
Epoch 1671/10000
1/1 0s 9ms/step -
accuracy: 0.7663 - loss: 0.5150
Epoch 1672/10000
1/1 0s 23ms/step -
accuracy: 0.7664 - loss: 0.5149
Epoch 1673/10000
1/1 0s 21ms/step -
accuracy: 0.7665 - loss: 0.5148
Epoch 1674/10000
1/1 0s 11ms/step -
accuracy: 0.7665 - loss: 0.5148
Epoch 1675/10000
1/1 0s 9ms/step -
accuracy: 0.7666 - loss: 0.5147
Epoch 1676/10000
1/1 0s 9ms/step -
accuracy: 0.7666 - loss: 0.5146
Epoch 1677/10000
1/1 0s 9ms/step -
accuracy: 0.7666 - loss: 0.5145
Epoch 1678/10000
1/1 0s 9ms/step -
accuracy: 0.7667 - loss: 0.5144
Epoch 1679/10000
1/1 0s 9ms/step -
accuracy: 0.7667 - loss: 0.5143
Epoch 1680/10000
1/1 0s 9ms/step -
accuracy: 0.7667 - loss: 0.5142
Epoch 1681/10000
1/1 0s 10ms/step -
accuracy: 0.7669 - loss: 0.5142
Epoch 1682/10000
1/1 0s 9ms/step -
accuracy: 0.7675 - loss: 0.5141
Epoch 1683/10000
1/1 0s 9ms/step -
accuracy: 0.7673 - loss: 0.5140
Epoch 1684/10000
1/1 0s 10ms/step -

```

accuracy: 0.7673 - loss: 0.5139
Epoch 1685/10000
1/1          0s 9ms/step -
accuracy: 0.7674 - loss: 0.5138
Epoch 1686/10000
1/1          0s 9ms/step -
accuracy: 0.7675 - loss: 0.5137
Epoch 1687/10000
1/1          0s 9ms/step -
accuracy: 0.7676 - loss: 0.5137
Epoch 1688/10000
1/1          0s 10ms/step -
accuracy: 0.7683 - loss: 0.5136
Epoch 1689/10000
1/1          0s 9ms/step -
accuracy: 0.7683 - loss: 0.5135
Epoch 1690/10000
1/1          0s 10ms/step -
accuracy: 0.7684 - loss: 0.5134
Epoch 1691/10000
1/1          0s 20ms/step -
accuracy: 0.7684 - loss: 0.5133
Epoch 1692/10000
1/1          0s 27ms/step -
accuracy: 0.7685 - loss: 0.5132
Epoch 1693/10000
1/1          0s 11ms/step -
accuracy: 0.7687 - loss: 0.5132
Epoch 1694/10000
1/1          0s 10ms/step -
accuracy: 0.7691 - loss: 0.5131
Epoch 1695/10000
1/1          0s 9ms/step -
accuracy: 0.7693 - loss: 0.5130
Epoch 1696/10000
1/1          0s 10ms/step -
accuracy: 0.7693 - loss: 0.5129
Epoch 1697/10000
1/1          0s 9ms/step -
accuracy: 0.7695 - loss: 0.5128
Epoch 1698/10000
1/1          0s 9ms/step -
accuracy: 0.7695 - loss: 0.5127
Epoch 1699/10000
1/1          0s 9ms/step -
accuracy: 0.7695 - loss: 0.5127
Epoch 1700/10000
1/1          0s 9ms/step -

```

accuracy: 0.7695 - loss: 0.5126
Epoch 1701/10000
1/1 0s 9ms/step -
accuracy: 0.7695 - loss: 0.5125
Epoch 1702/10000
1/1 0s 9ms/step -
accuracy: 0.7695 - loss: 0.5124
Epoch 1703/10000
1/1 0s 15ms/step -
accuracy: 0.7691 - loss: 0.5123
Epoch 1704/10000
1/1 0s 27ms/step -
accuracy: 0.7692 - loss: 0.5122
Epoch 1705/10000
1/1 0s 14ms/step -
accuracy: 0.7693 - loss: 0.5122
Epoch 1706/10000
1/1 0s 9ms/step -
accuracy: 0.7696 - loss: 0.5121
Epoch 1707/10000
1/1 0s 9ms/step -
accuracy: 0.7698 - loss: 0.5120
Epoch 1708/10000
1/1 0s 9ms/step -
accuracy: 0.7699 - loss: 0.5119
Epoch 1709/10000
1/1 0s 10ms/step -
accuracy: 0.7699 - loss: 0.5118
Epoch 1710/10000
1/1 0s 9ms/step -
accuracy: 0.7700 - loss: 0.5118
Epoch 1711/10000
1/1 0s 9ms/step -
accuracy: 0.7699 - loss: 0.5117
Epoch 1712/10000
1/1 0s 9ms/step -
accuracy: 0.7701 - loss: 0.5116
Epoch 1713/10000
1/1 0s 9ms/step -
accuracy: 0.7702 - loss: 0.5115
Epoch 1714/10000
1/1 0s 12ms/step -
accuracy: 0.7700 - loss: 0.5114
Epoch 1715/10000
1/1 0s 12ms/step -
accuracy: 0.7702 - loss: 0.5114
Epoch 1716/10000
1/1 0s 13ms/step -

accuracy: 0.7701 - loss: 0.5113
Epoch 1717/10000
1/1 0s 10ms/step -
accuracy: 0.7706 - loss: 0.5112
Epoch 1718/10000
1/1 0s 9ms/step -
accuracy: 0.7706 - loss: 0.5111
Epoch 1719/10000
1/1 0s 9ms/step -
accuracy: 0.7705 - loss: 0.5110
Epoch 1720/10000
1/1 0s 9ms/step -
accuracy: 0.7705 - loss: 0.5110
Epoch 1721/10000
1/1 0s 9ms/step -
accuracy: 0.7705 - loss: 0.5109
Epoch 1722/10000
1/1 0s 9ms/step -
accuracy: 0.7702 - loss: 0.5108
Epoch 1723/10000
1/1 0s 9ms/step -
accuracy: 0.7703 - loss: 0.5107
Epoch 1724/10000
1/1 0s 9ms/step -
accuracy: 0.7704 - loss: 0.5106
Epoch 1725/10000
1/1 0s 9ms/step -
accuracy: 0.7706 - loss: 0.5106
Epoch 1726/10000
1/1 0s 9ms/step -
accuracy: 0.7710 - loss: 0.5105
Epoch 1727/10000
1/1 0s 9ms/step -
accuracy: 0.7706 - loss: 0.5104
Epoch 1728/10000
1/1 0s 9ms/step -
accuracy: 0.7706 - loss: 0.5103
Epoch 1729/10000
1/1 0s 30ms/step -
accuracy: 0.7707 - loss: 0.5102
Epoch 1730/10000
1/1 0s 17ms/step -
accuracy: 0.7708 - loss: 0.5102
Epoch 1731/10000
1/1 0s 9ms/step -
accuracy: 0.7708 - loss: 0.5101
Epoch 1732/10000
1/1 0s 9ms/step -

accuracy: 0.7709 - loss: 0.5100
Epoch 1733/10000
1/1 0s 9ms/step -
accuracy: 0.7709 - loss: 0.5099
Epoch 1734/10000
1/1 0s 9ms/step -
accuracy: 0.7709 - loss: 0.5098
Epoch 1735/10000
1/1 0s 9ms/step -
accuracy: 0.7709 - loss: 0.5098
Epoch 1736/10000
1/1 0s 9ms/step -
accuracy: 0.7714 - loss: 0.5097
Epoch 1737/10000
1/1 0s 9ms/step -
accuracy: 0.7714 - loss: 0.5096
Epoch 1738/10000
1/1 0s 9ms/step -
accuracy: 0.7713 - loss: 0.5095
Epoch 1739/10000
1/1 0s 9ms/step -
accuracy: 0.7714 - loss: 0.5094
Epoch 1740/10000
1/1 0s 9ms/step -
accuracy: 0.7714 - loss: 0.5094
Epoch 1741/10000
1/1 0s 9ms/step -
accuracy: 0.7714 - loss: 0.5093
Epoch 1742/10000
1/1 0s 9ms/step -
accuracy: 0.7715 - loss: 0.5092
Epoch 1743/10000
1/1 0s 9ms/step -
accuracy: 0.7717 - loss: 0.5091
Epoch 1744/10000
1/1 0s 9ms/step -
accuracy: 0.7717 - loss: 0.5091
Epoch 1745/10000
1/1 0s 9ms/step -
accuracy: 0.7718 - loss: 0.5090
Epoch 1746/10000
1/1 0s 19ms/step -
accuracy: 0.7719 - loss: 0.5089
Epoch 1747/10000
1/1 0s 26ms/step -
accuracy: 0.7720 - loss: 0.5088
Epoch 1748/10000
1/1 0s 11ms/step -

accuracy: 0.7721 - loss: 0.5088
Epoch 1749/10000
1/1 0s 10ms/step -
accuracy: 0.7724 - loss: 0.5087
Epoch 1750/10000
1/1 0s 14ms/step -
accuracy: 0.7727 - loss: 0.5086
Epoch 1751/10000
1/1 0s 10ms/step -
accuracy: 0.7727 - loss: 0.5085
Epoch 1752/10000
1/1 0s 10ms/step -
accuracy: 0.7728 - loss: 0.5084
Epoch 1753/10000
1/1 0s 10ms/step -
accuracy: 0.7727 - loss: 0.5084
Epoch 1754/10000
1/1 0s 10ms/step -
accuracy: 0.7729 - loss: 0.5083
Epoch 1755/10000
1/1 0s 10ms/step -
accuracy: 0.7729 - loss: 0.5082
Epoch 1756/10000
1/1 0s 10ms/step -
accuracy: 0.7729 - loss: 0.5081
Epoch 1757/10000
1/1 0s 13ms/step -
accuracy: 0.7729 - loss: 0.5081
Epoch 1758/10000
1/1 0s 12ms/step -
accuracy: 0.7728 - loss: 0.5080
Epoch 1759/10000
1/1 0s 11ms/step -
accuracy: 0.7727 - loss: 0.5079
Epoch 1760/10000
1/1 0s 16ms/step -
accuracy: 0.7727 - loss: 0.5078
Epoch 1761/10000
1/1 0s 10ms/step -
accuracy: 0.7725 - loss: 0.5078
Epoch 1762/10000
1/1 0s 11ms/step -
accuracy: 0.7725 - loss: 0.5077
Epoch 1763/10000
1/1 0s 10ms/step -
accuracy: 0.7727 - loss: 0.5076
Epoch 1764/10000
1/1 0s 14ms/step -

accuracy: 0.7728 - loss: 0.5075
Epoch 1765/10000
1/1 0s 10ms/step -
accuracy: 0.7729 - loss: 0.5075
Epoch 1766/10000
1/1 0s 20ms/step -
accuracy: 0.7729 - loss: 0.5074
Epoch 1767/10000
1/1 0s 10ms/step -
accuracy: 0.7728 - loss: 0.5073
Epoch 1768/10000
1/1 0s 35ms/step -
accuracy: 0.7729 - loss: 0.5072
Epoch 1769/10000
1/1 0s 36ms/step -
accuracy: 0.7729 - loss: 0.5072
Epoch 1770/10000
1/1 0s 10ms/step -
accuracy: 0.7729 - loss: 0.5071
Epoch 1771/10000
1/1 0s 10ms/step -
accuracy: 0.7728 - loss: 0.5070
Epoch 1772/10000
1/1 0s 10ms/step -
accuracy: 0.7728 - loss: 0.5069
Epoch 1773/10000
1/1 0s 24ms/step -
accuracy: 0.7728 - loss: 0.5069
Epoch 1774/10000
1/1 0s 10ms/step -
accuracy: 0.7728 - loss: 0.5068
Epoch 1775/10000
1/1 0s 11ms/step -
accuracy: 0.7728 - loss: 0.5067
Epoch 1776/10000
1/1 0s 26ms/step -
accuracy: 0.7728 - loss: 0.5066
Epoch 1777/10000
1/1 0s 10ms/step -
accuracy: 0.7729 - loss: 0.5066
Epoch 1778/10000
1/1 0s 13ms/step -
accuracy: 0.7731 - loss: 0.5065
Epoch 1779/10000
1/1 0s 20ms/step -
accuracy: 0.7731 - loss: 0.5064
Epoch 1780/10000
1/1 0s 10ms/step -

accuracy: 0.7732 - loss: 0.5063
Epoch 1781/10000
1/1 0s 10ms/step -
accuracy: 0.7732 - loss: 0.5063
Epoch 1782/10000
1/1 0s 28ms/step -
accuracy: 0.7735 - loss: 0.5062
Epoch 1783/10000
1/1 0s 10ms/step -
accuracy: 0.7736 - loss: 0.5061
Epoch 1784/10000
1/1 0s 10ms/step -
accuracy: 0.7736 - loss: 0.5060
Epoch 1785/10000
1/1 0s 23ms/step -
accuracy: 0.7736 - loss: 0.5060
Epoch 1786/10000
1/1 0s 16ms/step -
accuracy: 0.7738 - loss: 0.5059
Epoch 1787/10000
1/1 0s 14ms/step -
accuracy: 0.7738 - loss: 0.5058
Epoch 1788/10000
1/1 0s 28ms/step -
accuracy: 0.7738 - loss: 0.5057
Epoch 1789/10000
1/1 0s 13ms/step -
accuracy: 0.7735 - loss: 0.5057
Epoch 1790/10000
1/1 0s 26ms/step -
accuracy: 0.7736 - loss: 0.5056
Epoch 1791/10000
1/1 0s 9ms/step -
accuracy: 0.7736 - loss: 0.5055
Epoch 1792/10000
1/1 0s 9ms/step -
accuracy: 0.7737 - loss: 0.5055
Epoch 1793/10000
1/1 0s 9ms/step -
accuracy: 0.7740 - loss: 0.5054
Epoch 1794/10000
1/1 0s 10ms/step -
accuracy: 0.7741 - loss: 0.5053
Epoch 1795/10000
1/1 0s 9ms/step -
accuracy: 0.7741 - loss: 0.5052
Epoch 1796/10000
1/1 0s 9ms/step -

accuracy: 0.7740 - loss: 0.5052
Epoch 1797/10000
1/1 0s 9ms/step -
accuracy: 0.7747 - loss: 0.5051
Epoch 1798/10000
1/1 0s 9ms/step -
accuracy: 0.7748 - loss: 0.5050
Epoch 1799/10000
1/1 0s 9ms/step -
accuracy: 0.7750 - loss: 0.5049
Epoch 1800/10000
1/1 0s 10ms/step -
accuracy: 0.7749 - loss: 0.5049
Epoch 1801/10000
1/1 0s 9ms/step -
accuracy: 0.7749 - loss: 0.5048
Epoch 1802/10000
1/1 0s 28ms/step -
accuracy: 0.7749 - loss: 0.5047
Epoch 1803/10000
1/1 0s 19ms/step -
accuracy: 0.7747 - loss: 0.5047
Epoch 1804/10000
1/1 0s 9ms/step -
accuracy: 0.7747 - loss: 0.5046
Epoch 1805/10000
1/1 0s 9ms/step -
accuracy: 0.7744 - loss: 0.5045
Epoch 1806/10000
1/1 0s 9ms/step -
accuracy: 0.7744 - loss: 0.5044
Epoch 1807/10000
1/1 0s 9ms/step -
accuracy: 0.7745 - loss: 0.5044
Epoch 1808/10000
1/1 0s 11ms/step -
accuracy: 0.7745 - loss: 0.5043
Epoch 1809/10000
1/1 0s 10ms/step -
accuracy: 0.7743 - loss: 0.5042
Epoch 1810/10000
1/1 0s 10ms/step -
accuracy: 0.7743 - loss: 0.5042
Epoch 1811/10000
1/1 0s 9ms/step -
accuracy: 0.7744 - loss: 0.5041
Epoch 1812/10000
1/1 0s 9ms/step -

accuracy: 0.7744 - loss: 0.5040
Epoch 1813/10000
1/1 0s 11ms/step -
accuracy: 0.7745 - loss: 0.5039
Epoch 1814/10000
1/1 0s 19ms/step -
accuracy: 0.7745 - loss: 0.5039
Epoch 1815/10000
1/1 0s 35ms/step -
accuracy: 0.7746 - loss: 0.5038
Epoch 1816/10000
1/1 0s 12ms/step -
accuracy: 0.7747 - loss: 0.5037
Epoch 1817/10000
1/1 0s 9ms/step -
accuracy: 0.7748 - loss: 0.5037
Epoch 1818/10000
1/1 0s 11ms/step -
accuracy: 0.7751 - loss: 0.5036
Epoch 1819/10000
1/1 0s 13ms/step -
accuracy: 0.7751 - loss: 0.5035
Epoch 1820/10000
1/1 0s 13ms/step -
accuracy: 0.7751 - loss: 0.5035
Epoch 1821/10000
1/1 0s 12ms/step -
accuracy: 0.7749 - loss: 0.5034
Epoch 1822/10000
1/1 0s 13ms/step -
accuracy: 0.7749 - loss: 0.5033
Epoch 1823/10000
1/1 0s 11ms/step -
accuracy: 0.7755 - loss: 0.5032
Epoch 1824/10000
1/1 0s 11ms/step -
accuracy: 0.7756 - loss: 0.5032
Epoch 1825/10000
1/1 0s 10ms/step -
accuracy: 0.7758 - loss: 0.5031
Epoch 1826/10000
1/1 0s 10ms/step -
accuracy: 0.7758 - loss: 0.5030
Epoch 1827/10000
1/1 0s 10ms/step -
accuracy: 0.7760 - loss: 0.5030
Epoch 1828/10000
1/1 0s 9ms/step -

accuracy: 0.7761 - loss: 0.5029
Epoch 1829/10000
1/1 0s 9ms/step -
accuracy: 0.7762 - loss: 0.5028
Epoch 1830/10000
1/1 0s 10ms/step -
accuracy: 0.7764 - loss: 0.5028
Epoch 1831/10000
1/1 0s 10ms/step -
accuracy: 0.7764 - loss: 0.5027
Epoch 1832/10000
1/1 0s 10ms/step -
accuracy: 0.7764 - loss: 0.5026
Epoch 1833/10000
1/1 0s 9ms/step -
accuracy: 0.7764 - loss: 0.5025
Epoch 1834/10000
1/1 0s 9ms/step -
accuracy: 0.7764 - loss: 0.5025
Epoch 1835/10000
1/1 0s 9ms/step -
accuracy: 0.7765 - loss: 0.5024
Epoch 1836/10000
1/1 0s 10ms/step -
accuracy: 0.7765 - loss: 0.5023
Epoch 1837/10000
1/1 0s 10ms/step -
accuracy: 0.7765 - loss: 0.5023
Epoch 1838/10000
1/1 0s 9ms/step -
accuracy: 0.7765 - loss: 0.5022
Epoch 1839/10000
1/1 0s 9ms/step -
accuracy: 0.7766 - loss: 0.5021
Epoch 1840/10000
1/1 0s 9ms/step -
accuracy: 0.7766 - loss: 0.5021
Epoch 1841/10000
1/1 0s 22ms/step -
accuracy: 0.7767 - loss: 0.5020
Epoch 1842/10000
1/1 0s 25ms/step -
accuracy: 0.7767 - loss: 0.5019
Epoch 1843/10000
1/1 0s 10ms/step -
accuracy: 0.7767 - loss: 0.5019
Epoch 1844/10000
1/1 0s 10ms/step -

accuracy: 0.7767 - loss: 0.5018
Epoch 1845/10000
1/1 0s 10ms/step -
accuracy: 0.7767 - loss: 0.5017
Epoch 1846/10000
1/1 0s 10ms/step -
accuracy: 0.7768 - loss: 0.5017
Epoch 1847/10000
1/1 0s 10ms/step -
accuracy: 0.7769 - loss: 0.5016
Epoch 1848/10000
1/1 0s 10ms/step -
accuracy: 0.7770 - loss: 0.5015
Epoch 1849/10000
1/1 0s 10ms/step -
accuracy: 0.7770 - loss: 0.5014
Epoch 1850/10000
1/1 0s 10ms/step -
accuracy: 0.7770 - loss: 0.5014
Epoch 1851/10000
1/1 0s 10ms/step -
accuracy: 0.7771 - loss: 0.5013
Epoch 1852/10000
1/1 0s 10ms/step -
accuracy: 0.7770 - loss: 0.5012
Epoch 1853/10000
1/1 0s 9ms/step -
accuracy: 0.7770 - loss: 0.5012
Epoch 1854/10000
1/1 0s 9ms/step -
accuracy: 0.7771 - loss: 0.5011
Epoch 1855/10000
1/1 0s 9ms/step -
accuracy: 0.7771 - loss: 0.5010
Epoch 1856/10000
1/1 0s 9ms/step -
accuracy: 0.7772 - loss: 0.5010
Epoch 1857/10000
1/1 0s 9ms/step -
accuracy: 0.7775 - loss: 0.5009
Epoch 1858/10000
1/1 0s 10ms/step -
accuracy: 0.7778 - loss: 0.5008
Epoch 1859/10000
1/1 0s 31ms/step -
accuracy: 0.7778 - loss: 0.5008
Epoch 1860/10000
1/1 0s 13ms/step -

accuracy: 0.7778 - loss: 0.5007
Epoch 1861/10000
1/1 0s 9ms/step -
accuracy: 0.7783 - loss: 0.5006
Epoch 1862/10000
1/1 0s 9ms/step -
accuracy: 0.7785 - loss: 0.5006
Epoch 1863/10000
1/1 0s 9ms/step -
accuracy: 0.7784 - loss: 0.5005
Epoch 1864/10000
1/1 0s 9ms/step -
accuracy: 0.7785 - loss: 0.5004
Epoch 1865/10000
1/1 0s 9ms/step -
accuracy: 0.7785 - loss: 0.5004
Epoch 1866/10000
1/1 0s 9ms/step -
accuracy: 0.7786 - loss: 0.5003
Epoch 1867/10000
1/1 0s 9ms/step -
accuracy: 0.7783 - loss: 0.5002
Epoch 1868/10000
1/1 0s 9ms/step -
accuracy: 0.7782 - loss: 0.5002
Epoch 1869/10000
1/1 0s 10ms/step -
accuracy: 0.7781 - loss: 0.5001
Epoch 1870/10000
1/1 0s 11ms/step -
accuracy: 0.7780 - loss: 0.5000
Epoch 1871/10000
1/1 0s 10ms/step -
accuracy: 0.7781 - loss: 0.5000
Epoch 1872/10000
1/1 0s 11ms/step -
accuracy: 0.7785 - loss: 0.4999
Epoch 1873/10000
1/1 0s 12ms/step -
accuracy: 0.7785 - loss: 0.4998
Epoch 1874/10000
1/1 0s 32ms/step -
accuracy: 0.7785 - loss: 0.4998
Epoch 1875/10000
1/1 0s 10ms/step -
accuracy: 0.7786 - loss: 0.4997
Epoch 1876/10000
1/1 0s 12ms/step -

accuracy: 0.7787 - loss: 0.4996
Epoch 1877/10000
1/1 0s 43ms/step -
accuracy: 0.7787 - loss: 0.4996
Epoch 1878/10000
1/1 0s 17ms/step -
accuracy: 0.7788 - loss: 0.4995
Epoch 1879/10000
1/1 0s 10ms/step -
accuracy: 0.7789 - loss: 0.4994
Epoch 1880/10000
1/1 0s 10ms/step -
accuracy: 0.7788 - loss: 0.4994
Epoch 1881/10000
1/1 0s 32ms/step -
accuracy: 0.7787 - loss: 0.4993
Epoch 1882/10000
1/1 0s 9ms/step -
accuracy: 0.7788 - loss: 0.4993
Epoch 1883/10000
1/1 0s 13ms/step -
accuracy: 0.7788 - loss: 0.4992
Epoch 1884/10000
1/1 0s 10ms/step -
accuracy: 0.7787 - loss: 0.4991
Epoch 1885/10000
1/1 0s 10ms/step -
accuracy: 0.7788 - loss: 0.4991
Epoch 1886/10000
1/1 0s 9ms/step -
accuracy: 0.7788 - loss: 0.4990
Epoch 1887/10000
1/1 0s 9ms/step -
accuracy: 0.7790 - loss: 0.4989
Epoch 1888/10000
1/1 0s 9ms/step -
accuracy: 0.7794 - loss: 0.4989
Epoch 1889/10000
1/1 0s 9ms/step -
accuracy: 0.7794 - loss: 0.4988
Epoch 1890/10000
1/1 0s 16ms/step -
accuracy: 0.7792 - loss: 0.4987
Epoch 1891/10000
1/1 0s 27ms/step -
accuracy: 0.7792 - loss: 0.4987
Epoch 1892/10000
1/1 0s 15ms/step -

accuracy: 0.7794 - loss: 0.4986
Epoch 1893/10000
1/1 0s 9ms/step -
accuracy: 0.7795 - loss: 0.4985
Epoch 1894/10000
1/1 0s 9ms/step -
accuracy: 0.7795 - loss: 0.4985
Epoch 1895/10000
1/1 0s 9ms/step -
accuracy: 0.7795 - loss: 0.4984
Epoch 1896/10000
1/1 0s 10ms/step -
accuracy: 0.7796 - loss: 0.4983
Epoch 1897/10000
1/1 0s 10ms/step -
accuracy: 0.7796 - loss: 0.4983
Epoch 1898/10000
1/1 0s 10ms/step -
accuracy: 0.7796 - loss: 0.4982
Epoch 1899/10000
1/1 0s 10ms/step -
accuracy: 0.7796 - loss: 0.4982
Epoch 1900/10000
1/1 0s 10ms/step -
accuracy: 0.7796 - loss: 0.4981
Epoch 1901/10000
1/1 0s 20ms/step -
accuracy: 0.7797 - loss: 0.4980
Epoch 1902/10000
1/1 0s 26ms/step -
accuracy: 0.7799 - loss: 0.4980
Epoch 1903/10000
1/1 0s 10ms/step -
accuracy: 0.7799 - loss: 0.4979
Epoch 1904/10000
1/1 0s 10ms/step -
accuracy: 0.7799 - loss: 0.4978
Epoch 1905/10000
1/1 0s 9ms/step -
accuracy: 0.7800 - loss: 0.4978
Epoch 1906/10000
1/1 0s 10ms/step -
accuracy: 0.7811 - loss: 0.4977
Epoch 1907/10000
1/1 0s 10ms/step -
accuracy: 0.7809 - loss: 0.4976
Epoch 1908/10000
1/1 0s 9ms/step -

accuracy: 0.7809 - loss: 0.4976
Epoch 1909/10000
1/1 0s 11ms/step -
accuracy: 0.7808 - loss: 0.4975
Epoch 1910/10000
1/1 0s 11ms/step -
accuracy: 0.7808 - loss: 0.4975
Epoch 1911/10000
1/1 0s 11ms/step -
accuracy: 0.7808 - loss: 0.4974
Epoch 1912/10000
1/1 0s 10ms/step -
accuracy: 0.7808 - loss: 0.4973
Epoch 1913/10000
1/1 0s 9ms/step -
accuracy: 0.7808 - loss: 0.4973
Epoch 1914/10000
1/1 0s 9ms/step -
accuracy: 0.7810 - loss: 0.4972
Epoch 1915/10000
1/1 0s 9ms/step -
accuracy: 0.7810 - loss: 0.4971
Epoch 1916/10000
1/1 0s 9ms/step -
accuracy: 0.7810 - loss: 0.4971
Epoch 1917/10000
1/1 0s 9ms/step -
accuracy: 0.7811 - loss: 0.4970
Epoch 1918/10000
1/1 0s 9ms/step -
accuracy: 0.7812 - loss: 0.4970
Epoch 1919/10000
1/1 0s 19ms/step -
accuracy: 0.7813 - loss: 0.4969
Epoch 1920/10000
1/1 0s 22ms/step -
accuracy: 0.7812 - loss: 0.4968
Epoch 1921/10000
1/1 0s 9ms/step -
accuracy: 0.7813 - loss: 0.4968
Epoch 1922/10000
1/1 0s 9ms/step -
accuracy: 0.7813 - loss: 0.4967
Epoch 1923/10000
1/1 0s 9ms/step -
accuracy: 0.7813 - loss: 0.4966
Epoch 1924/10000
1/1 0s 9ms/step -

accuracy: 0.7809 - loss: 0.4966
Epoch 1925/10000
1/1 0s 10ms/step -
accuracy: 0.7810 - loss: 0.4965
Epoch 1926/10000
1/1 0s 9ms/step -
accuracy: 0.7808 - loss: 0.4965
Epoch 1927/10000
1/1 0s 9ms/step -
accuracy: 0.7808 - loss: 0.4964
Epoch 1928/10000
1/1 0s 9ms/step -
accuracy: 0.7808 - loss: 0.4963
Epoch 1929/10000
1/1 0s 9ms/step -
accuracy: 0.7808 - loss: 0.4963
Epoch 1930/10000
1/1 0s 9ms/step -
accuracy: 0.7808 - loss: 0.4962
Epoch 1931/10000
1/1 0s 9ms/step -
accuracy: 0.7809 - loss: 0.4961
Epoch 1932/10000
1/1 0s 9ms/step -
accuracy: 0.7811 - loss: 0.4961
Epoch 1933/10000
1/1 0s 9ms/step -
accuracy: 0.7811 - loss: 0.4960
Epoch 1934/10000
1/1 0s 9ms/step -
accuracy: 0.7811 - loss: 0.4960
Epoch 1935/10000
1/1 0s 9ms/step -
accuracy: 0.7811 - loss: 0.4959
Epoch 1936/10000
1/1 0s 9ms/step -
accuracy: 0.7811 - loss: 0.4958
Epoch 1937/10000
1/1 0s 9ms/step -
accuracy: 0.7811 - loss: 0.4958
Epoch 1938/10000
1/1 0s 10ms/step -
accuracy: 0.7811 - loss: 0.4957
Epoch 1939/10000
1/1 0s 13ms/step -
accuracy: 0.7811 - loss: 0.4957
Epoch 1940/10000
1/1 0s 30ms/step -

accuracy: 0.7811 - loss: 0.4956
Epoch 1941/10000
1/1 0s 16ms/step -
accuracy: 0.7811 - loss: 0.4955
Epoch 1942/10000
1/1 0s 10ms/step -
accuracy: 0.7811 - loss: 0.4955
Epoch 1943/10000
1/1 0s 9ms/step -
accuracy: 0.7811 - loss: 0.4954
Epoch 1944/10000
1/1 0s 10ms/step -
accuracy: 0.7812 - loss: 0.4954
Epoch 1945/10000
1/1 0s 9ms/step -
accuracy: 0.7813 - loss: 0.4953
Epoch 1946/10000
1/1 0s 9ms/step -
accuracy: 0.7813 - loss: 0.4952
Epoch 1947/10000
1/1 0s 9ms/step -
accuracy: 0.7814 - loss: 0.4952
Epoch 1948/10000
1/1 0s 9ms/step -
accuracy: 0.7815 - loss: 0.4951
Epoch 1949/10000
1/1 0s 9ms/step -
accuracy: 0.7815 - loss: 0.4951
Epoch 1950/10000
1/1 0s 9ms/step -
accuracy: 0.7815 - loss: 0.4950
Epoch 1951/10000
1/1 0s 9ms/step -
accuracy: 0.7818 - loss: 0.4949
Epoch 1952/10000
1/1 0s 9ms/step -
accuracy: 0.7818 - loss: 0.4949
Epoch 1953/10000
1/1 0s 9ms/step -
accuracy: 0.7816 - loss: 0.4948
Epoch 1954/10000
1/1 0s 9ms/step -
accuracy: 0.7816 - loss: 0.4948
Epoch 1955/10000
1/1 0s 9ms/step -
accuracy: 0.7815 - loss: 0.4947
Epoch 1956/10000
1/1 0s 9ms/step -

accuracy: 0.7815 - loss: 0.4946
Epoch 1957/10000
1/1 0s 9ms/step -
accuracy: 0.7816 - loss: 0.4946
Epoch 1958/10000
1/1 0s 9ms/step -
accuracy: 0.7817 - loss: 0.4945
Epoch 1959/10000
1/1 0s 10ms/step -
accuracy: 0.7821 - loss: 0.4945
Epoch 1960/10000
1/1 0s 9ms/step -
accuracy: 0.7823 - loss: 0.4944
Epoch 1961/10000
1/1 0s 9ms/step -
accuracy: 0.7824 - loss: 0.4943
Epoch 1962/10000
1/1 0s 9ms/step -
accuracy: 0.7823 - loss: 0.4943
Epoch 1963/10000
1/1 0s 9ms/step -
accuracy: 0.7822 - loss: 0.4942
Epoch 1964/10000
1/1 0s 18ms/step -
accuracy: 0.7823 - loss: 0.4942
Epoch 1965/10000
1/1 0s 26ms/step -
accuracy: 0.7822 - loss: 0.4941
Epoch 1966/10000
1/1 0s 14ms/step -
accuracy: 0.7822 - loss: 0.4940
Epoch 1967/10000
1/1 0s 9ms/step -
accuracy: 0.7822 - loss: 0.4940
Epoch 1968/10000
1/1 0s 9ms/step -
accuracy: 0.7822 - loss: 0.4939
Epoch 1969/10000
1/1 0s 9ms/step -
accuracy: 0.7825 - loss: 0.4939
Epoch 1970/10000
1/1 0s 10ms/step -
accuracy: 0.7825 - loss: 0.4938
Epoch 1971/10000
1/1 0s 9ms/step -
accuracy: 0.7825 - loss: 0.4937
Epoch 1972/10000
1/1 0s 9ms/step -

accuracy: 0.7825 - loss: 0.4937
Epoch 1973/10000
1/1 0s 9ms/step -
accuracy: 0.7825 - loss: 0.4936
Epoch 1974/10000
1/1 0s 9ms/step -
accuracy: 0.7825 - loss: 0.4936
Epoch 1975/10000
1/1 0s 10ms/step -
accuracy: 0.7826 - loss: 0.4935
Epoch 1976/10000
1/1 0s 9ms/step -
accuracy: 0.7826 - loss: 0.4934
Epoch 1977/10000
1/1 0s 9ms/step -
accuracy: 0.7826 - loss: 0.4934
Epoch 1978/10000
1/1 0s 10ms/step -
accuracy: 0.7826 - loss: 0.4933
Epoch 1979/10000
1/1 0s 9ms/step -
accuracy: 0.7826 - loss: 0.4933
Epoch 1980/10000
1/1 0s 9ms/step -
accuracy: 0.7826 - loss: 0.4932
Epoch 1981/10000
1/1 0s 9ms/step -
accuracy: 0.7826 - loss: 0.4932
Epoch 1982/10000
1/1 0s 9ms/step -
accuracy: 0.7827 - loss: 0.4931
Epoch 1983/10000
1/1 0s 9ms/step -
accuracy: 0.7826 - loss: 0.4930
Epoch 1984/10000
1/1 0s 9ms/step -
accuracy: 0.7826 - loss: 0.4930
Epoch 1985/10000
1/1 0s 9ms/step -
accuracy: 0.7826 - loss: 0.4929
Epoch 1986/10000
1/1 0s 9ms/step -
accuracy: 0.7826 - loss: 0.4929
Epoch 1987/10000
1/1 0s 32ms/step -
accuracy: 0.7826 - loss: 0.4928
Epoch 1988/10000
1/1 0s 15ms/step -

accuracy: 0.7826 - loss: 0.4927
Epoch 1989/10000
1/1 0s 9ms/step -
accuracy: 0.7827 - loss: 0.4927
Epoch 1990/10000
1/1 0s 9ms/step -
accuracy: 0.7828 - loss: 0.4926
Epoch 1991/10000
1/1 0s 9ms/step -
accuracy: 0.7829 - loss: 0.4926
Epoch 1992/10000
1/1 0s 9ms/step -
accuracy: 0.7828 - loss: 0.4925
Epoch 1993/10000
1/1 0s 10ms/step -
accuracy: 0.7827 - loss: 0.4925
Epoch 1994/10000
1/1 0s 9ms/step -
accuracy: 0.7827 - loss: 0.4924
Epoch 1995/10000
1/1 0s 9ms/step -
accuracy: 0.7828 - loss: 0.4923
Epoch 1996/10000
1/1 0s 9ms/step -
accuracy: 0.7828 - loss: 0.4923
Epoch 1997/10000
1/1 0s 10ms/step -
accuracy: 0.7830 - loss: 0.4922
Epoch 1998/10000
1/1 0s 9ms/step -
accuracy: 0.7829 - loss: 0.4922
Epoch 1999/10000
1/1 0s 9ms/step -
accuracy: 0.7828 - loss: 0.4921
Epoch 2000/10000
1/1 0s 9ms/step -
accuracy: 0.7828 - loss: 0.4921
Epoch 2001/10000
1/1 0s 9ms/step -
accuracy: 0.7829 - loss: 0.4920
Epoch 2002/10000
1/1 0s 9ms/step -
accuracy: 0.7829 - loss: 0.4919
Epoch 2003/10000
1/1 0s 9ms/step -
accuracy: 0.7829 - loss: 0.4919
Epoch 2004/10000
1/1 0s 9ms/step -

accuracy: 0.7830 - loss: 0.4918
Epoch 2005/10000
1/1 0s 10ms/step -
accuracy: 0.7830 - loss: 0.4918
Epoch 2006/10000
1/1 0s 9ms/step -
accuracy: 0.7830 - loss: 0.4917
Epoch 2007/10000
1/1 0s 9ms/step -
accuracy: 0.7830 - loss: 0.4917
Epoch 2008/10000
1/1 0s 9ms/step -
accuracy: 0.7831 - loss: 0.4916
Epoch 2009/10000
1/1 0s 9ms/step -
accuracy: 0.7831 - loss: 0.4915
Epoch 2010/10000
1/1 0s 9ms/step -
accuracy: 0.7831 - loss: 0.4915
Epoch 2011/10000
1/1 0s 25ms/step -
accuracy: 0.7833 - loss: 0.4914
Epoch 2012/10000
1/1 0s 18ms/step -
accuracy: 0.7834 - loss: 0.4914
Epoch 2013/10000
1/1 0s 13ms/step -
accuracy: 0.7835 - loss: 0.4913
Epoch 2014/10000
1/1 0s 10ms/step -
accuracy: 0.7835 - loss: 0.4913
Epoch 2015/10000
1/1 0s 9ms/step -
accuracy: 0.7835 - loss: 0.4912
Epoch 2016/10000
1/1 0s 9ms/step -
accuracy: 0.7836 - loss: 0.4912
Epoch 2017/10000
1/1 0s 9ms/step -
accuracy: 0.7836 - loss: 0.4911
Epoch 2018/10000
1/1 0s 9ms/step -
accuracy: 0.7836 - loss: 0.4910
Epoch 2019/10000
1/1 0s 9ms/step -
accuracy: 0.7836 - loss: 0.4910
Epoch 2020/10000
1/1 0s 9ms/step -

accuracy: 0.7836 - loss: 0.4909
Epoch 2021/10000
1/1 0s 9ms/step -
accuracy: 0.7836 - loss: 0.4909
Epoch 2022/10000
1/1 0s 10ms/step -
accuracy: 0.7836 - loss: 0.4908
Epoch 2023/10000
1/1 0s 9ms/step -
accuracy: 0.7837 - loss: 0.4908
Epoch 2024/10000
1/1 0s 9ms/step -
accuracy: 0.7836 - loss: 0.4907
Epoch 2025/10000
1/1 0s 9ms/step -
accuracy: 0.7836 - loss: 0.4906
Epoch 2026/10000
1/1 0s 9ms/step -
accuracy: 0.7836 - loss: 0.4906
Epoch 2027/10000
1/1 0s 9ms/step -
accuracy: 0.7836 - loss: 0.4905
Epoch 2028/10000
1/1 0s 9ms/step -
accuracy: 0.7835 - loss: 0.4905
Epoch 2029/10000
1/1 0s 10ms/step -
accuracy: 0.7835 - loss: 0.4904
Epoch 2030/10000
1/1 0s 9ms/step -
accuracy: 0.7838 - loss: 0.4904
Epoch 2031/10000
1/1 0s 9ms/step -
accuracy: 0.7838 - loss: 0.4903
Epoch 2032/10000
1/1 0s 19ms/step -
accuracy: 0.7839 - loss: 0.4903
Epoch 2033/10000
1/1 0s 24ms/step -
accuracy: 0.7839 - loss: 0.4902
Epoch 2034/10000
1/1 0s 12ms/step -
accuracy: 0.7840 - loss: 0.4901
Epoch 2035/10000
1/1 0s 9ms/step -
accuracy: 0.7840 - loss: 0.4901
Epoch 2036/10000
1/1 0s 9ms/step -

accuracy: 0.7840 - loss: 0.4900
Epoch 2037/10000
1/1 0s 9ms/step -
accuracy: 0.7840 - loss: 0.4900
Epoch 2038/10000
1/1 0s 9ms/step -
accuracy: 0.7840 - loss: 0.4899
Epoch 2039/10000
1/1 0s 9ms/step -
accuracy: 0.7842 - loss: 0.4899
Epoch 2040/10000
1/1 0s 9ms/step -
accuracy: 0.7842 - loss: 0.4898
Epoch 2041/10000
1/1 0s 9ms/step -
accuracy: 0.7842 - loss: 0.4898
Epoch 2042/10000
1/1 0s 9ms/step -
accuracy: 0.7841 - loss: 0.4897
Epoch 2043/10000
1/1 0s 9ms/step -
accuracy: 0.7839 - loss: 0.4897
Epoch 2044/10000
1/1 0s 9ms/step -
accuracy: 0.7839 - loss: 0.4896
Epoch 2045/10000
1/1 0s 9ms/step -
accuracy: 0.7839 - loss: 0.4895
Epoch 2046/10000
1/1 0s 9ms/step -
accuracy: 0.7839 - loss: 0.4895
Epoch 2047/10000
1/1 0s 9ms/step -
accuracy: 0.7842 - loss: 0.4894
Epoch 2048/10000
1/1 0s 9ms/step -
accuracy: 0.7842 - loss: 0.4894
Epoch 2049/10000
1/1 0s 9ms/step -
accuracy: 0.7840 - loss: 0.4893
Epoch 2050/10000
1/1 0s 9ms/step -
accuracy: 0.7840 - loss: 0.4893
Epoch 2051/10000
1/1 0s 9ms/step -
accuracy: 0.7841 - loss: 0.4892
Epoch 2052/10000
1/1 0s 9ms/step -

accuracy: 0.7841 - loss: 0.4892
Epoch 2053/10000
1/1 0s 9ms/step -
accuracy: 0.7842 - loss: 0.4891
Epoch 2054/10000
1/1 0s 9ms/step -
accuracy: 0.7841 - loss: 0.4891
Epoch 2055/10000
1/1 0s 35ms/step -
accuracy: 0.7841 - loss: 0.4890
Epoch 2056/10000
1/1 0s 16ms/step -
accuracy: 0.7841 - loss: 0.4889
Epoch 2057/10000
1/1 0s 9ms/step -
accuracy: 0.7844 - loss: 0.4889
Epoch 2058/10000
1/1 0s 9ms/step -
accuracy: 0.7844 - loss: 0.4888
Epoch 2059/10000
1/1 0s 9ms/step -
accuracy: 0.7844 - loss: 0.4888
Epoch 2060/10000
1/1 0s 9ms/step -
accuracy: 0.7847 - loss: 0.4887
Epoch 2061/10000
1/1 0s 9ms/step -
accuracy: 0.7851 - loss: 0.4887
Epoch 2062/10000
1/1 0s 10ms/step -
accuracy: 0.7851 - loss: 0.4886
Epoch 2063/10000
1/1 0s 9ms/step -
accuracy: 0.7850 - loss: 0.4886
Epoch 2064/10000
1/1 0s 10ms/step -
accuracy: 0.7850 - loss: 0.4885
Epoch 2065/10000
1/1 0s 36ms/step -
accuracy: 0.7853 - loss: 0.4885
Epoch 2066/10000
1/1 0s 14ms/step -
accuracy: 0.7854 - loss: 0.4884
Epoch 2067/10000
1/1 0s 9ms/step -
accuracy: 0.7854 - loss: 0.4884
Epoch 2068/10000
1/1 0s 9ms/step -

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accuracy: 0.7855 - loss: 0.4883
Epoch 2069/10000
1/1          0s 9ms/step -
accuracy: 0.7856 - loss: 0.4883
Epoch 2070/10000
1/1          0s 9ms/step -
accuracy: 0.7856 - loss: 0.4882
Epoch 2071/10000
1/1          0s 9ms/step -
accuracy: 0.7856 - loss: 0.4881
Epoch 2072/10000
1/1          0s 9ms/step -
accuracy: 0.7856 - loss: 0.4881
Epoch 2073/10000
1/1          0s 9ms/step -
accuracy: 0.7856 - loss: 0.4880
Epoch 2074/10000
1/1          0s 9ms/step -
accuracy: 0.7858 - loss: 0.4880
Epoch 2075/10000
1/1          0s 9ms/step -
accuracy: 0.7859 - loss: 0.4879
Epoch 2076/10000
1/1          0s 37ms/step -
accuracy: 0.7852 - loss: 0.4879
Epoch 2077/10000
1/1          0s 15ms/step -
accuracy: 0.7854 - loss: 0.4878
Epoch 2078/10000
1/1          0s 9ms/step -
accuracy: 0.7853 - loss: 0.4878
Epoch 2079/10000
1/1          0s 9ms/step -
accuracy: 0.7854 - loss: 0.4877
Epoch 2080/10000
1/1          0s 9ms/step -
accuracy: 0.7854 - loss: 0.4877
Epoch 2081/10000
1/1          0s 10ms/step -
accuracy: 0.7854 - loss: 0.4876
Epoch 2082/10000
1/1          0s 9ms/step -
accuracy: 0.7853 - loss: 0.4876
Epoch 2083/10000
1/1          0s 9ms/step -
accuracy: 0.7853 - loss: 0.4875
Epoch 2084/10000
1/1          0s 9ms/step -

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accuracy: 0.7853 - loss: 0.4875
Epoch 2085/10000
1/1 0s 9ms/step -
accuracy: 0.7854 - loss: 0.4874
Epoch 2086/10000
1/1 0s 10ms/step -
accuracy: 0.7854 - loss: 0.4874
Epoch 2087/10000
1/1 0s 9ms/step -
accuracy: 0.7853 - loss: 0.4873
Epoch 2088/10000
1/1 0s 9ms/step -
accuracy: 0.7854 - loss: 0.4873
Epoch 2089/10000
1/1 0s 9ms/step -
accuracy: 0.7854 - loss: 0.4872
Epoch 2090/10000
1/1 0s 9ms/step -
accuracy: 0.7854 - loss: 0.4871
Epoch 2091/10000
1/1 0s 9ms/step -
accuracy: 0.7853 - loss: 0.4871
Epoch 2092/10000
1/1 0s 9ms/step -
accuracy: 0.7855 - loss: 0.4870
Epoch 2093/10000
1/1 0s 9ms/step -
accuracy: 0.7855 - loss: 0.4870
Epoch 2094/10000
1/1 0s 9ms/step -
accuracy: 0.7855 - loss: 0.4869
Epoch 2095/10000
1/1 0s 9ms/step -
accuracy: 0.7855 - loss: 0.4869
Epoch 2096/10000
1/1 0s 9ms/step -
accuracy: 0.7855 - loss: 0.4868
Epoch 2097/10000
1/1 0s 32ms/step -
accuracy: 0.7855 - loss: 0.4868
Epoch 2098/10000
1/1 0s 16ms/step -
accuracy: 0.7856 - loss: 0.4867
Epoch 2099/10000
1/1 0s 9ms/step -
accuracy: 0.7856 - loss: 0.4867
Epoch 2100/10000
1/1 0s 9ms/step -

accuracy: 0.7859 - loss: 0.4866
Epoch 2101/10000
1/1 0s 9ms/step -
accuracy: 0.7860 - loss: 0.4866
Epoch 2102/10000
1/1 0s 9ms/step -
accuracy: 0.7862 - loss: 0.4865
Epoch 2103/10000
1/1 0s 10ms/step -
accuracy: 0.7862 - loss: 0.4865
Epoch 2104/10000
1/1 0s 9ms/step -
accuracy: 0.7862 - loss: 0.4864
Epoch 2105/10000
1/1 0s 9ms/step -
accuracy: 0.7863 - loss: 0.4864
Epoch 2106/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4863
Epoch 2107/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4863
Epoch 2108/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4862
Epoch 2109/10000
1/1 0s 9ms/step -
accuracy: 0.7865 - loss: 0.4862
Epoch 2110/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4861
Epoch 2111/10000
1/1 0s 19ms/step -
accuracy: 0.7865 - loss: 0.4861
Epoch 2112/10000
1/1 0s 25ms/step -
accuracy: 0.7864 - loss: 0.4860
Epoch 2113/10000
1/1 0s 13ms/step -
accuracy: 0.7864 - loss: 0.4860
Epoch 2114/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4859
Epoch 2115/10000
1/1 0s 9ms/step -
accuracy: 0.7863 - loss: 0.4859
Epoch 2116/10000
1/1 0s 10ms/step -

accuracy: 0.7863 - loss: 0.4858
Epoch 2117/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4858
Epoch 2118/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4857
Epoch 2119/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4857
Epoch 2120/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4856
Epoch 2121/10000
1/1 0s 10ms/step -
accuracy: 0.7864 - loss: 0.4856
Epoch 2122/10000
1/1 0s 9ms/step -
accuracy: 0.7865 - loss: 0.4855
Epoch 2123/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4855
Epoch 2124/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4854
Epoch 2125/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4854
Epoch 2126/10000
1/1 0s 9ms/step -
accuracy: 0.7863 - loss: 0.4853
Epoch 2127/10000
1/1 0s 9ms/step -
accuracy: 0.7864 - loss: 0.4853
Epoch 2128/10000
1/1 0s 9ms/step -
accuracy: 0.7865 - loss: 0.4852
Epoch 2129/10000
1/1 0s 9ms/step -
accuracy: 0.7865 - loss: 0.4852
Epoch 2130/10000
1/1 0s 9ms/step -
accuracy: 0.7865 - loss: 0.4851
Epoch 2131/10000
1/1 0s 10ms/step -
accuracy: 0.7865 - loss: 0.4851
Epoch 2132/10000
1/1 0s 22ms/step -

accuracy: 0.7861 - loss: 0.4850
Epoch 2133/10000
1/1 0s 27ms/step -
accuracy: 0.7862 - loss: 0.4850
Epoch 2134/10000
1/1 0s 12ms/step -
accuracy: 0.7863 - loss: 0.4849
Epoch 2135/10000
1/1 0s 10ms/step -
accuracy: 0.7863 - loss: 0.4849
Epoch 2136/10000
1/1 0s 10ms/step -
accuracy: 0.7867 - loss: 0.4848
Epoch 2137/10000
1/1 0s 10ms/step -
accuracy: 0.7867 - loss: 0.4848
Epoch 2138/10000
1/1 0s 9ms/step -
accuracy: 0.7867 - loss: 0.4847
Epoch 2139/10000
1/1 0s 10ms/step -
accuracy: 0.7868 - loss: 0.4847
Epoch 2140/10000
1/1 0s 10ms/step -
accuracy: 0.7868 - loss: 0.4846
Epoch 2141/10000
1/1 0s 10ms/step -
accuracy: 0.7870 - loss: 0.4846
Epoch 2142/10000
1/1 0s 9ms/step -
accuracy: 0.7872 - loss: 0.4845
Epoch 2143/10000
1/1 0s 10ms/step -
accuracy: 0.7870 - loss: 0.4845
Epoch 2144/10000
1/1 0s 9ms/step -
accuracy: 0.7870 - loss: 0.4844
Epoch 2145/10000
1/1 0s 9ms/step -
accuracy: 0.7870 - loss: 0.4844
Epoch 2146/10000
1/1 0s 10ms/step -
accuracy: 0.7872 - loss: 0.4843
Epoch 2147/10000
1/1 0s 9ms/step -
accuracy: 0.7875 - loss: 0.4843
Epoch 2148/10000
1/1 0s 9ms/step -

accuracy: 0.7876 - loss: 0.4842
Epoch 2149/10000
1/1 0s 33ms/step -
accuracy: 0.7879 - loss: 0.4842
Epoch 2150/10000
1/1 0s 15ms/step -
accuracy: 0.7879 - loss: 0.4841
Epoch 2151/10000
1/1 0s 9ms/step -
accuracy: 0.7880 - loss: 0.4841
Epoch 2152/10000
1/1 0s 9ms/step -
accuracy: 0.7880 - loss: 0.4840
Epoch 2153/10000
1/1 0s 9ms/step -
accuracy: 0.7880 - loss: 0.4840
Epoch 2154/10000
1/1 0s 9ms/step -
accuracy: 0.7880 - loss: 0.4839
Epoch 2155/10000
1/1 0s 9ms/step -
accuracy: 0.7881 - loss: 0.4839
Epoch 2156/10000
1/1 0s 9ms/step -
accuracy: 0.7883 - loss: 0.4838
Epoch 2157/10000
1/1 0s 9ms/step -
accuracy: 0.7883 - loss: 0.4838
Epoch 2158/10000
1/1 0s 9ms/step -
accuracy: 0.7883 - loss: 0.4837
Epoch 2159/10000
1/1 0s 9ms/step -
accuracy: 0.7883 - loss: 0.4837
Epoch 2160/10000
1/1 0s 9ms/step -
accuracy: 0.7883 - loss: 0.4836
Epoch 2161/10000
1/1 0s 8ms/step -
accuracy: 0.7883 - loss: 0.4836
Epoch 2162/10000
1/1 0s 9ms/step -
accuracy: 0.7884 - loss: 0.4835
Epoch 2163/10000
1/1 0s 9ms/step -
accuracy: 0.7884 - loss: 0.4835
Epoch 2164/10000
1/1 0s 9ms/step -

accuracy: 0.7883 - loss: 0.4834
Epoch 2165/10000
1/1 0s 9ms/step -
accuracy: 0.7883 - loss: 0.4834
Epoch 2166/10000
1/1 0s 10ms/step -
accuracy: 0.7883 - loss: 0.4833
Epoch 2167/10000
1/1 0s 9ms/step -
accuracy: 0.7883 - loss: 0.4833
Epoch 2168/10000
1/1 0s 10ms/step -
accuracy: 0.7883 - loss: 0.4832
Epoch 2169/10000
1/1 0s 9ms/step -
accuracy: 0.7883 - loss: 0.4832
Epoch 2170/10000
1/1 0s 10ms/step -
accuracy: 0.7883 - loss: 0.4831
Epoch 2171/10000
1/1 0s 9ms/step -
accuracy: 0.7883 - loss: 0.4831
Epoch 2172/10000
1/1 0s 10ms/step -
accuracy: 0.7883 - loss: 0.4830
Epoch 2173/10000
1/1 0s 29ms/step -
accuracy: 0.7884 - loss: 0.4830
Epoch 2174/10000
1/1 0s 16ms/step -
accuracy: 0.7885 - loss: 0.4829
Epoch 2175/10000
1/1 0s 10ms/step -
accuracy: 0.7885 - loss: 0.4829
Epoch 2176/10000
1/1 0s 9ms/step -
accuracy: 0.7885 - loss: 0.4828
Epoch 2177/10000
1/1 0s 10ms/step -
accuracy: 0.7883 - loss: 0.4828
Epoch 2178/10000
1/1 0s 10ms/step -
accuracy: 0.7883 - loss: 0.4827
Epoch 2179/10000
1/1 0s 10ms/step -
accuracy: 0.7886 - loss: 0.4827
Epoch 2180/10000
1/1 0s 9ms/step -

```

accuracy: 0.7884 - loss: 0.4826
Epoch 2181/10000
1/1          0s 10ms/step -
accuracy: 0.7884 - loss: 0.4826
Epoch 2182/10000
1/1          0s 10ms/step -
accuracy: 0.7883 - loss: 0.4826
Epoch 2183/10000
1/1          0s 9ms/step -
accuracy: 0.7883 - loss: 0.4825
Epoch 2184/10000
1/1          0s 10ms/step -
accuracy: 0.7883 - loss: 0.4825
Epoch 2185/10000
1/1          0s 10ms/step -
accuracy: 0.7883 - loss: 0.4824
Epoch 2186/10000
1/1          0s 9ms/step -
accuracy: 0.7883 - loss: 0.4824
Epoch 2187/10000
1/1          0s 10ms/step -
accuracy: 0.7883 - loss: 0.4823
Epoch 2188/10000
1/1          0s 9ms/step -
accuracy: 0.7883 - loss: 0.4823
Epoch 2189/10000
1/1          0s 9ms/step -
accuracy: 0.7882 - loss: 0.4822
Epoch 2190/10000
1/1          0s 9ms/step -
accuracy: 0.7882 - loss: 0.4822
Epoch 2191/10000
1/1          0s 9ms/step -
accuracy: 0.7882 - loss: 0.4821
Epoch 2192/10000
1/1          0s 9ms/step -
accuracy: 0.7881 - loss: 0.4821
Epoch 2193/10000
1/1          0s 9ms/step -
accuracy: 0.7881 - loss: 0.4820
Epoch 2194/10000
1/1          0s 9ms/step -
accuracy: 0.7882 - loss: 0.4820
Epoch 2195/10000
1/1          0s 9ms/step -
accuracy: 0.7882 - loss: 0.4819
Epoch 2196/10000
1/1          0s 9ms/step -

```

accuracy: 0.7882 - loss: 0.4819
Epoch 2197/10000
1/1 0s 9ms/step -
accuracy: 0.7882 - loss: 0.4818
Epoch 2198/10000
1/1 0s 9ms/step -
accuracy: 0.7882 - loss: 0.4818
Epoch 2199/10000
1/1 0s 9ms/step -
accuracy: 0.7882 - loss: 0.4817
Epoch 2200/10000
1/1 0s 9ms/step -
accuracy: 0.7882 - loss: 0.4817
Epoch 2201/10000
1/1 0s 32ms/step -
accuracy: 0.7884 - loss: 0.4817
Epoch 2202/10000
1/1 0s 15ms/step -
accuracy: 0.7884 - loss: 0.4816
Epoch 2203/10000
1/1 0s 10ms/step -
accuracy: 0.7884 - loss: 0.4816
Epoch 2204/10000
1/1 0s 9ms/step -
accuracy: 0.7884 - loss: 0.4815
Epoch 2205/10000
1/1 0s 10ms/step -
accuracy: 0.7883 - loss: 0.4815
Epoch 2206/10000
1/1 0s 14ms/step -
accuracy: 0.7883 - loss: 0.4814
Epoch 2207/10000
1/1 0s 13ms/step -
accuracy: 0.7885 - loss: 0.4814
Epoch 2208/10000
1/1 0s 14ms/step -
accuracy: 0.7885 - loss: 0.4813
Epoch 2209/10000
1/1 0s 11ms/step -
accuracy: 0.7885 - loss: 0.4813
Epoch 2210/10000
1/1 0s 10ms/step -
accuracy: 0.7885 - loss: 0.4812
Epoch 2211/10000
1/1 0s 10ms/step -
accuracy: 0.7884 - loss: 0.4812
Epoch 2212/10000
1/1 0s 9ms/step -

```

accuracy: 0.7884 - loss: 0.4811
Epoch 2213/10000
1/1          0s 10ms/step -
accuracy: 0.7885 - loss: 0.4811
Epoch 2214/10000
1/1          0s 10ms/step -
accuracy: 0.7885 - loss: 0.4810
Epoch 2215/10000
1/1          0s 10ms/step -
accuracy: 0.7882 - loss: 0.4810
Epoch 2216/10000
1/1          0s 10ms/step -
accuracy: 0.7884 - loss: 0.4809
Epoch 2217/10000
1/1          0s 9ms/step -
accuracy: 0.7884 - loss: 0.4809
Epoch 2218/10000
1/1          0s 10ms/step -
accuracy: 0.7883 - loss: 0.4809
Epoch 2219/10000
1/1          0s 38ms/step -
accuracy: 0.7883 - loss: 0.4808
Epoch 2220/10000
1/1          0s 14ms/step -
accuracy: 0.7883 - loss: 0.4808
Epoch 2221/10000
1/1          0s 9ms/step -
accuracy: 0.7883 - loss: 0.4807
Epoch 2222/10000
1/1          0s 9ms/step -
accuracy: 0.7883 - loss: 0.4807
Epoch 2223/10000
1/1          0s 9ms/step -
accuracy: 0.7883 - loss: 0.4806
Epoch 2224/10000
1/1          0s 9ms/step -
accuracy: 0.7883 - loss: 0.4806
Epoch 2225/10000
1/1          0s 10ms/step -
accuracy: 0.7883 - loss: 0.4805
Epoch 2226/10000
1/1          0s 10ms/step -
accuracy: 0.7883 - loss: 0.4805
Epoch 2227/10000
1/1          0s 9ms/step -
accuracy: 0.7886 - loss: 0.4804
Epoch 2228/10000
1/1          0s 9ms/step -

```


accuracy: 0.7889 - loss: 0.4804
Epoch 2229/10000
1/1 0s 10ms/step -
accuracy: 0.7888 - loss: 0.4803
Epoch 2230/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4803
Epoch 2231/10000
1/1 0s 14ms/step -
accuracy: 0.7890 - loss: 0.4803
Epoch 2232/10000
1/1 0s 30ms/step -
accuracy: 0.7890 - loss: 0.4802
Epoch 2233/10000
1/1 0s 15ms/step -
accuracy: 0.7890 - loss: 0.4802
Epoch 2234/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4801
Epoch 2235/10000
1/1 0s 10ms/step -
accuracy: 0.7889 - loss: 0.4801
Epoch 2236/10000
1/1 0s 10ms/step -
accuracy: 0.7889 - loss: 0.4800
Epoch 2237/10000
1/1 0s 9ms/step -
accuracy: 0.7890 - loss: 0.4800
Epoch 2238/10000
1/1 0s 9ms/step -
accuracy: 0.7890 - loss: 0.4799
Epoch 2239/10000
1/1 0s 9ms/step -
accuracy: 0.7890 - loss: 0.4799
Epoch 2240/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4798
Epoch 2241/10000
1/1 0s 9ms/step -
accuracy: 0.7890 - loss: 0.4798
Epoch 2242/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4798
Epoch 2243/10000
1/1 0s 9ms/step -
accuracy: 0.7890 - loss: 0.4797
Epoch 2244/10000
1/1 0s 10ms/step -

accuracy: 0.7890 - loss: 0.4797
Epoch 2245/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4796
Epoch 2246/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4796
Epoch 2247/10000
1/1 0s 10ms/step -
accuracy: 0.7892 - loss: 0.4795
Epoch 2248/10000
1/1 0s 9ms/step -
accuracy: 0.7891 - loss: 0.4795
Epoch 2249/10000
1/1 0s 10ms/step -
accuracy: 0.7891 - loss: 0.4794
Epoch 2250/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4794
Epoch 2251/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4793
Epoch 2252/10000
1/1 0s 9ms/step -
accuracy: 0.7890 - loss: 0.4793
Epoch 2253/10000
1/1 0s 22ms/step -
accuracy: 0.7891 - loss: 0.4793
Epoch 2254/10000
1/1 0s 10ms/step -
accuracy: 0.7891 - loss: 0.4792
Epoch 2255/10000
1/1 0s 10ms/step -
accuracy: 0.7891 - loss: 0.4792
Epoch 2256/10000
1/1 0s 13ms/step -
accuracy: 0.7891 - loss: 0.4791
Epoch 2257/10000
1/1 0s 29ms/step -
accuracy: 0.7891 - loss: 0.4791
Epoch 2258/10000
1/1 0s 13ms/step -
accuracy: 0.7891 - loss: 0.4790
Epoch 2259/10000
1/1 0s 10ms/step -
accuracy: 0.7892 - loss: 0.4790
Epoch 2260/10000
1/1 0s 9ms/step -

accuracy: 0.7892 - loss: 0.4789
Epoch 2261/10000
1/1 0s 9ms/step -
accuracy: 0.7891 - loss: 0.4789
Epoch 2262/10000
1/1 0s 9ms/step -
accuracy: 0.7891 - loss: 0.4789
Epoch 2263/10000
1/1 0s 10ms/step -
accuracy: 0.7891 - loss: 0.4788
Epoch 2264/10000
1/1 0s 9ms/step -
accuracy: 0.7888 - loss: 0.4788
Epoch 2265/10000
1/1 0s 10ms/step -
accuracy: 0.7889 - loss: 0.4787
Epoch 2266/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4787
Epoch 2267/10000
1/1 0s 9ms/step -
accuracy: 0.7890 - loss: 0.4786
Epoch 2268/10000
1/1 0s 9ms/step -
accuracy: 0.7890 - loss: 0.4786
Epoch 2269/10000
1/1 0s 9ms/step -
accuracy: 0.7889 - loss: 0.4785
Epoch 2270/10000
1/1 0s 10ms/step -
accuracy: 0.7890 - loss: 0.4785
Epoch 2271/10000
1/1 0s 10ms/step -
accuracy: 0.7891 - loss: 0.4785
Epoch 2272/10000
1/1 0s 9ms/step -
accuracy: 0.7891 - loss: 0.4784
Epoch 2273/10000
1/1 0s 9ms/step -
accuracy: 0.7890 - loss: 0.4784
Epoch 2274/10000
1/1 0s 10ms/step -
accuracy: 0.7891 - loss: 0.4783
Epoch 2275/10000
1/1 0s 9ms/step -
accuracy: 0.7892 - loss: 0.4783
Epoch 2276/10000
1/1 0s 10ms/step -

accuracy: 0.7892 - loss: 0.4782
Epoch 2277/10000
1/1 0s 10ms/step -
accuracy: 0.7893 - loss: 0.4782
Epoch 2278/10000
1/1 0s 10ms/step -
accuracy: 0.7899 - loss: 0.4781
Epoch 2279/10000
1/1 0s 9ms/step -
accuracy: 0.7901 - loss: 0.4781
Epoch 2280/10000
1/1 0s 9ms/step -
accuracy: 0.7901 - loss: 0.4781
Epoch 2281/10000
1/1 0s 31ms/step -
accuracy: 0.7902 - loss: 0.4780
Epoch 2282/10000
1/1 0s 19ms/step -
accuracy: 0.7902 - loss: 0.4780
Epoch 2283/10000
1/1 0s 9ms/step -
accuracy: 0.7903 - loss: 0.4779
Epoch 2284/10000
1/1 0s 10ms/step -
accuracy: 0.7903 - loss: 0.4779
Epoch 2285/10000
1/1 0s 10ms/step -
accuracy: 0.7903 - loss: 0.4778
Epoch 2286/10000
1/1 0s 10ms/step -
accuracy: 0.7905 - loss: 0.4778
Epoch 2287/10000
1/1 0s 10ms/step -
accuracy: 0.7905 - loss: 0.4777
Epoch 2288/10000
1/1 0s 10ms/step -
accuracy: 0.7900 - loss: 0.4777
Epoch 2289/10000
1/1 0s 10ms/step -
accuracy: 0.7899 - loss: 0.4777
Epoch 2290/10000
1/1 0s 10ms/step -
accuracy: 0.7900 - loss: 0.4776
Epoch 2291/10000
1/1 0s 10ms/step -
accuracy: 0.7900 - loss: 0.4776
Epoch 2292/10000
1/1 0s 10ms/step -

accuracy: 0.7900 - loss: 0.4775
Epoch 2293/10000
1/1 0s 9ms/step -
accuracy: 0.7901 - loss: 0.4775
Epoch 2294/10000
1/1 0s 10ms/step -
accuracy: 0.7901 - loss: 0.4774
Epoch 2295/10000
1/1 0s 10ms/step -
accuracy: 0.7901 - loss: 0.4774
Epoch 2296/10000
1/1 0s 9ms/step -
accuracy: 0.7901 - loss: 0.4774
Epoch 2297/10000
1/1 0s 10ms/step -
accuracy: 0.7901 - loss: 0.4773
Epoch 2298/10000
1/1 0s 9ms/step -
accuracy: 0.7901 - loss: 0.4773
Epoch 2299/10000
1/1 0s 9ms/step -
accuracy: 0.7903 - loss: 0.4772
Epoch 2300/10000
1/1 0s 9ms/step -
accuracy: 0.7904 - loss: 0.4772
Epoch 2301/10000
1/1 0s 9ms/step -
accuracy: 0.7904 - loss: 0.4771
Epoch 2302/10000
1/1 0s 18ms/step -
accuracy: 0.7904 - loss: 0.4771
Epoch 2303/10000
1/1 0s 40ms/step -
accuracy: 0.7904 - loss: 0.4771
Epoch 2304/10000
1/1 0s 10ms/step -
accuracy: 0.7904 - loss: 0.4770
Epoch 2305/10000
1/1 0s 9ms/step -
accuracy: 0.7904 - loss: 0.4770
Epoch 2306/10000
1/1 0s 9ms/step -
accuracy: 0.7903 - loss: 0.4769
Epoch 2307/10000
1/1 0s 10ms/step -
accuracy: 0.7903 - loss: 0.4769
Epoch 2308/10000
1/1 0s 9ms/step -

accuracy: 0.7903 - loss: 0.4768
Epoch 2309/10000
1/1 0s 9ms/step -
accuracy: 0.7903 - loss: 0.4768
Epoch 2310/10000
1/1 0s 9ms/step -
accuracy: 0.7903 - loss: 0.4768
Epoch 2311/10000
1/1 0s 9ms/step -
accuracy: 0.7903 - loss: 0.4767
Epoch 2312/10000
1/1 0s 9ms/step -
accuracy: 0.7904 - loss: 0.4767
Epoch 2313/10000
1/1 0s 9ms/step -
accuracy: 0.7905 - loss: 0.4766
Epoch 2314/10000
1/1 0s 9ms/step -
accuracy: 0.7905 - loss: 0.4766
Epoch 2315/10000
1/1 0s 9ms/step -
accuracy: 0.7905 - loss: 0.4765
Epoch 2316/10000
1/1 0s 10ms/step -
accuracy: 0.7905 - loss: 0.4765
Epoch 2317/10000
1/1 0s 10ms/step -
accuracy: 0.7905 - loss: 0.4765
Epoch 2318/10000
1/1 0s 9ms/step -
accuracy: 0.7904 - loss: 0.4764
Epoch 2319/10000
1/1 0s 9ms/step -
accuracy: 0.7906 - loss: 0.4764
Epoch 2320/10000
1/1 0s 10ms/step -
accuracy: 0.7906 - loss: 0.4763
Epoch 2321/10000
1/1 0s 9ms/step -
accuracy: 0.7907 - loss: 0.4763
Epoch 2322/10000
1/1 0s 10ms/step -
accuracy: 0.7907 - loss: 0.4762
Epoch 2323/10000
1/1 0s 9ms/step -
accuracy: 0.7907 - loss: 0.4762
Epoch 2324/10000
1/1 0s 9ms/step -

accuracy: 0.7907 - loss: 0.4762
Epoch 2325/10000
1/1 0s 10ms/step -
accuracy: 0.7907 - loss: 0.4761
Epoch 2326/10000
1/1 0s 10ms/step -
accuracy: 0.7907 - loss: 0.4761
Epoch 2327/10000
1/1 0s 10ms/step -
accuracy: 0.7907 - loss: 0.4760
Epoch 2328/10000
1/1 0s 10ms/step -
accuracy: 0.7907 - loss: 0.4760
Epoch 2329/10000
1/1 0s 34ms/step -
accuracy: 0.7907 - loss: 0.4759
Epoch 2330/10000
1/1 0s 18ms/step -
accuracy: 0.7907 - loss: 0.4759
Epoch 2331/10000
1/1 0s 9ms/step -
accuracy: 0.7906 - loss: 0.4759
Epoch 2332/10000
1/1 0s 9ms/step -
accuracy: 0.7906 - loss: 0.4758
Epoch 2333/10000
1/1 0s 9ms/step -
accuracy: 0.7907 - loss: 0.4758
Epoch 2334/10000
1/1 0s 9ms/step -
accuracy: 0.7910 - loss: 0.4757
Epoch 2335/10000
1/1 0s 9ms/step -
accuracy: 0.7910 - loss: 0.4757
Epoch 2336/10000
1/1 0s 9ms/step -
accuracy: 0.7910 - loss: 0.4756
Epoch 2337/10000
1/1 0s 9ms/step -
accuracy: 0.7911 - loss: 0.4756
Epoch 2338/10000
1/1 0s 9ms/step -
accuracy: 0.7911 - loss: 0.4756
Epoch 2339/10000
1/1 0s 9ms/step -
accuracy: 0.7911 - loss: 0.4755
Epoch 2340/10000
1/1 0s 9ms/step -

accuracy: 0.7912 - loss: 0.4755
Epoch 2341/10000
1/1 0s 9ms/step -
accuracy: 0.7912 - loss: 0.4754
Epoch 2342/10000
1/1 0s 9ms/step -
accuracy: 0.7912 - loss: 0.4754
Epoch 2343/10000
1/1 0s 9ms/step -
accuracy: 0.7912 - loss: 0.4754
Epoch 2344/10000
1/1 0s 9ms/step -
accuracy: 0.7913 - loss: 0.4753
Epoch 2345/10000
1/1 0s 9ms/step -
accuracy: 0.7913 - loss: 0.4753
Epoch 2346/10000
1/1 0s 9ms/step -
accuracy: 0.7918 - loss: 0.4752
Epoch 2347/10000
1/1 0s 9ms/step -
accuracy: 0.7918 - loss: 0.4752
Epoch 2348/10000
1/1 0s 39ms/step -
accuracy: 0.7918 - loss: 0.4751
Epoch 2349/10000
1/1 0s 15ms/step -
accuracy: 0.7918 - loss: 0.4751
Epoch 2350/10000
1/1 0s 9ms/step -
accuracy: 0.7916 - loss: 0.4751
Epoch 2351/10000
1/1 0s 9ms/step -
accuracy: 0.7917 - loss: 0.4750
Epoch 2352/10000
1/1 0s 10ms/step -
accuracy: 0.7918 - loss: 0.4750
Epoch 2353/10000
1/1 0s 10ms/step -
accuracy: 0.7920 - loss: 0.4749
Epoch 2354/10000
1/1 0s 10ms/step -
accuracy: 0.7920 - loss: 0.4749
Epoch 2355/10000
1/1 0s 10ms/step -
accuracy: 0.7920 - loss: 0.4749
Epoch 2356/10000
1/1 0s 10ms/step -

accuracy: 0.7919 - loss: 0.4748
Epoch 2357/10000
1/1 0s 10ms/step -
accuracy: 0.7919 - loss: 0.4748
Epoch 2358/10000
1/1 0s 10ms/step -
accuracy: 0.7919 - loss: 0.4747
Epoch 2359/10000
1/1 0s 9ms/step -
accuracy: 0.7919 - loss: 0.4747
Epoch 2360/10000
1/1 0s 10ms/step -
accuracy: 0.7920 - loss: 0.4746
Epoch 2361/10000
1/1 0s 10ms/step -
accuracy: 0.7923 - loss: 0.4746
Epoch 2362/10000
1/1 0s 9ms/step -
accuracy: 0.7923 - loss: 0.4746
Epoch 2363/10000
1/1 0s 26ms/step -
accuracy: 0.7923 - loss: 0.4745
Epoch 2364/10000
1/1 0s 22ms/step -
accuracy: 0.7923 - loss: 0.4745
Epoch 2365/10000
1/1 0s 10ms/step -
accuracy: 0.7923 - loss: 0.4744
Epoch 2366/10000
1/1 0s 9ms/step -
accuracy: 0.7924 - loss: 0.4744
Epoch 2367/10000
1/1 0s 9ms/step -
accuracy: 0.7925 - loss: 0.4744
Epoch 2368/10000
1/1 0s 9ms/step -
accuracy: 0.7925 - loss: 0.4743
Epoch 2369/10000
1/1 0s 9ms/step -
accuracy: 0.7925 - loss: 0.4743
Epoch 2370/10000
1/1 0s 9ms/step -
accuracy: 0.7925 - loss: 0.4742
Epoch 2371/10000
1/1 0s 9ms/step -
accuracy: 0.7925 - loss: 0.4742
Epoch 2372/10000
1/1 0s 9ms/step -

accuracy: 0.7925 - loss: 0.4741
Epoch 2373/10000
1/1 0s 9ms/step -
accuracy: 0.7925 - loss: 0.4741
Epoch 2374/10000
1/1 0s 9ms/step -
accuracy: 0.7925 - loss: 0.4741
Epoch 2375/10000
1/1 0s 10ms/step -
accuracy: 0.7925 - loss: 0.4740
Epoch 2376/10000
1/1 0s 10ms/step -
accuracy: 0.7926 - loss: 0.4740
Epoch 2377/10000
1/1 0s 10ms/step -
accuracy: 0.7927 - loss: 0.4739
Epoch 2378/10000
1/1 0s 10ms/step -
accuracy: 0.7927 - loss: 0.4739
Epoch 2379/10000
1/1 0s 10ms/step -
accuracy: 0.7928 - loss: 0.4739
Epoch 2380/10000
1/1 0s 10ms/step -
accuracy: 0.7928 - loss: 0.4738
Epoch 2381/10000
1/1 0s 10ms/step -
accuracy: 0.7929 - loss: 0.4738
Epoch 2382/10000
1/1 0s 10ms/step -
accuracy: 0.7929 - loss: 0.4737
Epoch 2383/10000
1/1 0s 10ms/step -
accuracy: 0.7929 - loss: 0.4737
Epoch 2384/10000
1/1 0s 10ms/step -
accuracy: 0.7929 - loss: 0.4737
Epoch 2385/10000
1/1 0s 9ms/step -
accuracy: 0.7929 - loss: 0.4736
Epoch 2386/10000
1/1 0s 9ms/step -
accuracy: 0.7930 - loss: 0.4736
Epoch 2387/10000
1/1 0s 9ms/step -
accuracy: 0.7929 - loss: 0.4735
Epoch 2388/10000
1/1 0s 9ms/step -

accuracy: 0.7929 - loss: 0.4735
Epoch 2389/10000
1/1 0s 19ms/step -
accuracy: 0.7929 - loss: 0.4735
Epoch 2390/10000
1/1 0s 24ms/step -
accuracy: 0.7929 - loss: 0.4734
Epoch 2391/10000
1/1 0s 11ms/step -
accuracy: 0.7929 - loss: 0.4734
Epoch 2392/10000
1/1 0s 10ms/step -
accuracy: 0.7929 - loss: 0.4733
Epoch 2393/10000
1/1 0s 9ms/step -
accuracy: 0.7929 - loss: 0.4733
Epoch 2394/10000
1/1 0s 9ms/step -
accuracy: 0.7929 - loss: 0.4733
Epoch 2395/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4732
Epoch 2396/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4732
Epoch 2397/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4731
Epoch 2398/10000
1/1 0s 10ms/step -
accuracy: 0.7934 - loss: 0.4731
Epoch 2399/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4731
Epoch 2400/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4730
Epoch 2401/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4730
Epoch 2402/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4729
Epoch 2403/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4729
Epoch 2404/10000
1/1 0s 9ms/step -

accuracy: 0.7932 - loss: 0.4729
Epoch 2405/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4728
Epoch 2406/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4728
Epoch 2407/10000
1/1 0s 10ms/step -
accuracy: 0.7932 - loss: 0.4727
Epoch 2408/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4727
Epoch 2409/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4727
Epoch 2410/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4726
Epoch 2411/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4726
Epoch 2412/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4725
Epoch 2413/10000
1/1 0s 9ms/step -
accuracy: 0.7933 - loss: 0.4725
Epoch 2414/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4725
Epoch 2415/10000
1/1 0s 17ms/step -
accuracy: 0.7934 - loss: 0.4724
Epoch 2416/10000
1/1 0s 27ms/step -
accuracy: 0.7933 - loss: 0.4724
Epoch 2417/10000
1/1 0s 15ms/step -
accuracy: 0.7934 - loss: 0.4723
Epoch 2418/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4723
Epoch 2419/10000
1/1 0s 11ms/step -
accuracy: 0.7933 - loss: 0.4723
Epoch 2420/10000
1/1 0s 15ms/step -

accuracy: 0.7933 - loss: 0.4722
Epoch 2421/10000
1/1 0s 16ms/step -
accuracy: 0.7933 - loss: 0.4722
Epoch 2422/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4721
Epoch 2423/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4721
Epoch 2424/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4721
Epoch 2425/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4720
Epoch 2426/10000
1/1 0s 15ms/step -
accuracy: 0.7933 - loss: 0.4720
Epoch 2427/10000
1/1 0s 29ms/step -
accuracy: 0.7934 - loss: 0.4719
Epoch 2428/10000
1/1 0s 15ms/step -
accuracy: 0.7934 - loss: 0.4719
Epoch 2429/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4719
Epoch 2430/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4718
Epoch 2431/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4718
Epoch 2432/10000
1/1 0s 10ms/step -
accuracy: 0.7934 - loss: 0.4717
Epoch 2433/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4717
Epoch 2434/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4717
Epoch 2435/10000
1/1 0s 9ms/step -
accuracy: 0.7933 - loss: 0.4716
Epoch 2436/10000
1/1 0s 9ms/step -

accuracy: 0.7933 - loss: 0.4716
Epoch 2437/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4716
Epoch 2438/10000
1/1 0s 10ms/step -
accuracy: 0.7934 - loss: 0.4715
Epoch 2439/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4715
Epoch 2440/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4714
Epoch 2441/10000
1/1 0s 11ms/step -
accuracy: 0.7934 - loss: 0.4714
Epoch 2442/10000
1/1 0s 11ms/step -
accuracy: 0.7934 - loss: 0.4714
Epoch 2443/10000
1/1 0s 11ms/step -
accuracy: 0.7932 - loss: 0.4713
Epoch 2444/10000
1/1 0s 10ms/step -
accuracy: 0.7932 - loss: 0.4713
Epoch 2445/10000
1/1 0s 10ms/step -
accuracy: 0.7932 - loss: 0.4712
Epoch 2446/10000
1/1 0s 10ms/step -
accuracy: 0.7932 - loss: 0.4712
Epoch 2447/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4712
Epoch 2448/10000
1/1 0s 22ms/step -
accuracy: 0.7932 - loss: 0.4711
Epoch 2449/10000
1/1 0s 23ms/step -
accuracy: 0.7931 - loss: 0.4711
Epoch 2450/10000
1/1 0s 11ms/step -
accuracy: 0.7930 - loss: 0.4710
Epoch 2451/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4710
Epoch 2452/10000
1/1 0s 9ms/step -

accuracy: 0.7931 - loss: 0.4710
Epoch 2453/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4709
Epoch 2454/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4709
Epoch 2455/10000
1/1 0s 10ms/step -
accuracy: 0.7931 - loss: 0.4709
Epoch 2456/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4708
Epoch 2457/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4708
Epoch 2458/10000
1/1 0s 9ms/step -
accuracy: 0.7932 - loss: 0.4707
Epoch 2459/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4707
Epoch 2460/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4707
Epoch 2461/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4706
Epoch 2462/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4706
Epoch 2463/10000
1/1 0s 9ms/step -
accuracy: 0.7931 - loss: 0.4705
Epoch 2464/10000
1/1 0s 21ms/step -
accuracy: 0.7933 - loss: 0.4705
Epoch 2465/10000
1/1 0s 22ms/step -
accuracy: 0.7932 - loss: 0.4705
Epoch 2466/10000
1/1 0s 13ms/step -
accuracy: 0.7932 - loss: 0.4704
Epoch 2467/10000
1/1 0s 9ms/step -
accuracy: 0.7933 - loss: 0.4704
Epoch 2468/10000
1/1 0s 9ms/step -

accuracy: 0.7933 - loss: 0.4704
Epoch 2469/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4703
Epoch 2470/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4703
Epoch 2471/10000
1/1 0s 9ms/step -
accuracy: 0.7934 - loss: 0.4702
Epoch 2472/10000
1/1 0s 9ms/step -
accuracy: 0.7935 - loss: 0.4702
Epoch 2473/10000
1/1 0s 9ms/step -
accuracy: 0.7935 - loss: 0.4702
Epoch 2474/10000
1/1 0s 9ms/step -
accuracy: 0.7935 - loss: 0.4701
Epoch 2475/10000
1/1 0s 9ms/step -
accuracy: 0.7935 - loss: 0.4701
Epoch 2476/10000
1/1 0s 9ms/step -
accuracy: 0.7935 - loss: 0.4701
Epoch 2477/10000
1/1 0s 9ms/step -
accuracy: 0.7935 - loss: 0.4700
Epoch 2478/10000
1/1 0s 9ms/step -
accuracy: 0.7935 - loss: 0.4700
Epoch 2479/10000
1/1 0s 9ms/step -
accuracy: 0.7935 - loss: 0.4699
Epoch 2480/10000
1/1 0s 14ms/step -
accuracy: 0.7935 - loss: 0.4699
Epoch 2481/10000
1/1 0s 37ms/step -
accuracy: 0.7935 - loss: 0.4699
Epoch 2482/10000
1/1 0s 15ms/step -
accuracy: 0.7935 - loss: 0.4698
Epoch 2483/10000
1/1 0s 10ms/step -
accuracy: 0.7936 - loss: 0.4698
Epoch 2484/10000
1/1 0s 9ms/step -

accuracy: 0.7936 - loss: 0.4697
Epoch 2485/10000
1/1 0s 9ms/step -
accuracy: 0.7936 - loss: 0.4697
Epoch 2486/10000
1/1 0s 11ms/step -
accuracy: 0.7936 - loss: 0.4697
Epoch 2487/10000
1/1 0s 11ms/step -
accuracy: 0.7935 - loss: 0.4696
Epoch 2488/10000
1/1 0s 24ms/step -
accuracy: 0.7937 - loss: 0.4696
Epoch 2489/10000
1/1 0s 10ms/step -
accuracy: 0.7937 - loss: 0.4696
Epoch 2490/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4695
Epoch 2491/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4695
Epoch 2492/10000
1/1 0s 9ms/step -
accuracy: 0.7936 - loss: 0.4694
Epoch 2493/10000
1/1 0s 9ms/step -
accuracy: 0.7936 - loss: 0.4694
Epoch 2494/10000
1/1 0s 9ms/step -
accuracy: 0.7936 - loss: 0.4694
Epoch 2495/10000
1/1 0s 10ms/step -
accuracy: 0.7937 - loss: 0.4693
Epoch 2496/10000
1/1 0s 11ms/step -
accuracy: 0.7937 - loss: 0.4693
Epoch 2497/10000
1/1 0s 11ms/step -
accuracy: 0.7937 - loss: 0.4693
Epoch 2498/10000
1/1 0s 11ms/step -
accuracy: 0.7937 - loss: 0.4692
Epoch 2499/10000
1/1 0s 10ms/step -
accuracy: 0.7937 - loss: 0.4692
Epoch 2500/10000
1/1 0s 10ms/step -

accuracy: 0.7937 - loss: 0.4691
Epoch 2501/10000
1/1 0s 10ms/step -
accuracy: 0.7937 - loss: 0.4691
Epoch 2502/10000
1/1 0s 10ms/step -
accuracy: 0.7937 - loss: 0.4691
Epoch 2503/10000
1/1 0s 26ms/step -
accuracy: 0.7934 - loss: 0.4690
Epoch 2504/10000
1/1 0s 30ms/step -
accuracy: 0.7935 - loss: 0.4690
Epoch 2505/10000
1/1 0s 9ms/step -
accuracy: 0.7935 - loss: 0.4690
Epoch 2506/10000
1/1 0s 9ms/step -
accuracy: 0.7936 - loss: 0.4689
Epoch 2507/10000
1/1 0s 9ms/step -
accuracy: 0.7936 - loss: 0.4689
Epoch 2508/10000
1/1 0s 10ms/step -
accuracy: 0.7938 - loss: 0.4689
Epoch 2509/10000
1/1 0s 9ms/step -
accuracy: 0.7938 - loss: 0.4688
Epoch 2510/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4688
Epoch 2511/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4687
Epoch 2512/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4687
Epoch 2513/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4687
Epoch 2514/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4686
Epoch 2515/10000
1/1 0s 10ms/step -
accuracy: 0.7938 - loss: 0.4686
Epoch 2516/10000
1/1 0s 11ms/step -

accuracy: 0.7939 - loss: 0.4686
Epoch 2517/10000
1/1 0s 11ms/step -
accuracy: 0.7939 - loss: 0.4685
Epoch 2518/10000
1/1 0s 11ms/step -
accuracy: 0.7939 - loss: 0.4685
Epoch 2519/10000
1/1 0s 10ms/step -
accuracy: 0.7938 - loss: 0.4684
Epoch 2520/10000
1/1 0s 9ms/step -
accuracy: 0.7938 - loss: 0.4684
Epoch 2521/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4684
Epoch 2522/10000
1/1 0s 10ms/step -
accuracy: 0.7939 - loss: 0.4683
Epoch 2523/10000
1/1 0s 11ms/step -
accuracy: 0.7938 - loss: 0.4683
Epoch 2524/10000
1/1 0s 11ms/step -
accuracy: 0.7938 - loss: 0.4683
Epoch 2525/10000
1/1 0s 11ms/step -
accuracy: 0.7938 - loss: 0.4682
Epoch 2526/10000
1/1 0s 25ms/step -
accuracy: 0.7938 - loss: 0.4682
Epoch 2527/10000
1/1 0s 9ms/step -
accuracy: 0.7938 - loss: 0.4682
Epoch 2528/10000
1/1 0s 27ms/step -
accuracy: 0.7938 - loss: 0.4681
Epoch 2529/10000
1/1 0s 17ms/step -
accuracy: 0.7937 - loss: 0.4681
Epoch 2530/10000
1/1 0s 15ms/step -
accuracy: 0.7937 - loss: 0.4680
Epoch 2531/10000
1/1 0s 10ms/step -
accuracy: 0.7937 - loss: 0.4680
Epoch 2532/10000
1/1 0s 12ms/step -

accuracy: 0.7937 - loss: 0.4680
Epoch 2533/10000
1/1 0s 12ms/step -
accuracy: 0.7939 - loss: 0.4679
Epoch 2534/10000
1/1 0s 11ms/step -
accuracy: 0.7939 - loss: 0.4679
Epoch 2535/10000
1/1 0s 10ms/step -
accuracy: 0.7939 - loss: 0.4679
Epoch 2536/10000
1/1 0s 10ms/step -
accuracy: 0.7937 - loss: 0.4678
Epoch 2537/10000
1/1 0s 11ms/step -
accuracy: 0.7937 - loss: 0.4678
Epoch 2538/10000
1/1 0s 11ms/step -
accuracy: 0.7938 - loss: 0.4677
Epoch 2539/10000
1/1 0s 11ms/step -
accuracy: 0.7938 - loss: 0.4677
Epoch 2540/10000
1/1 0s 10ms/step -
accuracy: 0.7938 - loss: 0.4677
Epoch 2541/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4676
Epoch 2542/10000
1/1 0s 10ms/step -
accuracy: 0.7936 - loss: 0.4676
Epoch 2543/10000
1/1 0s 9ms/step -
accuracy: 0.7936 - loss: 0.4676
Epoch 2544/10000
1/1 0s 10ms/step -
accuracy: 0.7936 - loss: 0.4675
Epoch 2545/10000
1/1 0s 10ms/step -
accuracy: 0.7938 - loss: 0.4675
Epoch 2546/10000
1/1 0s 10ms/step -
accuracy: 0.7939 - loss: 0.4675
Epoch 2547/10000
1/1 0s 33ms/step -
accuracy: 0.7939 - loss: 0.4674
Epoch 2548/10000
1/1 0s 16ms/step -

accuracy: 0.7939 - loss: 0.4674
Epoch 2549/10000
1/1 0s 11ms/step -
accuracy: 0.7939 - loss: 0.4674
Epoch 2550/10000
1/1 0s 10ms/step -
accuracy: 0.7939 - loss: 0.4673
Epoch 2551/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4673
Epoch 2552/10000
1/1 0s 10ms/step -
accuracy: 0.7939 - loss: 0.4672
Epoch 2553/10000
1/1 0s 10ms/step -
accuracy: 0.7939 - loss: 0.4672
Epoch 2554/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4672
Epoch 2555/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4671
Epoch 2556/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4671
Epoch 2557/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4671
Epoch 2558/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4670
Epoch 2559/10000
1/1 0s 9ms/step -
accuracy: 0.7938 - loss: 0.4670
Epoch 2560/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4670
Epoch 2561/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4669
Epoch 2562/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4669
Epoch 2563/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4668
Epoch 2564/10000
1/1 0s 9ms/step -

accuracy: 0.7937 - loss: 0.4668
Epoch 2565/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4668
Epoch 2566/10000
1/1 0s 9ms/step -
accuracy: 0.7938 - loss: 0.4667
Epoch 2567/10000
1/1 0s 9ms/step -
accuracy: 0.7938 - loss: 0.4667
Epoch 2568/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4667
Epoch 2569/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4666
Epoch 2570/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4666
Epoch 2571/10000
1/1 0s 32ms/step -
accuracy: 0.7939 - loss: 0.4666
Epoch 2572/10000
1/1 0s 16ms/step -
accuracy: 0.7939 - loss: 0.4665
Epoch 2573/10000
1/1 0s 10ms/step -
accuracy: 0.7940 - loss: 0.4665
Epoch 2574/10000
1/1 0s 9ms/step -
accuracy: 0.7940 - loss: 0.4665
Epoch 2575/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4664
Epoch 2576/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4664
Epoch 2577/10000
1/1 0s 12ms/step -
accuracy: 0.7939 - loss: 0.4664
Epoch 2578/10000
1/1 0s 14ms/step -
accuracy: 0.7939 - loss: 0.4663
Epoch 2579/10000
1/1 0s 11ms/step -
accuracy: 0.7939 - loss: 0.4663
Epoch 2580/10000
1/1 0s 10ms/step -

accuracy: 0.7939 - loss: 0.4662
Epoch 2581/10000
1/1 0s 11ms/step -
accuracy: 0.7939 - loss: 0.4662
Epoch 2582/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4662
Epoch 2583/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4661
Epoch 2584/10000
1/1 0s 9ms/step -
accuracy: 0.7941 - loss: 0.4661
Epoch 2585/10000
1/1 0s 9ms/step -
accuracy: 0.7941 - loss: 0.4661
Epoch 2586/10000
1/1 0s 13ms/step -
accuracy: 0.7941 - loss: 0.4660
Epoch 2587/10000
1/1 0s 12ms/step -
accuracy: 0.7942 - loss: 0.4660
Epoch 2588/10000
1/1 0s 29ms/step -
accuracy: 0.7942 - loss: 0.4660
Epoch 2589/10000
1/1 0s 9ms/step -
accuracy: 0.7943 - loss: 0.4659
Epoch 2590/10000
1/1 0s 9ms/step -
accuracy: 0.7943 - loss: 0.4659
Epoch 2591/10000
1/1 0s 9ms/step -
accuracy: 0.7943 - loss: 0.4659
Epoch 2592/10000
1/1 0s 9ms/step -
accuracy: 0.7943 - loss: 0.4658
Epoch 2593/10000
1/1 0s 9ms/step -
accuracy: 0.7943 - loss: 0.4658
Epoch 2594/10000
1/1 0s 27ms/step -
accuracy: 0.7944 - loss: 0.4658
Epoch 2595/10000
1/1 0s 20ms/step -
accuracy: 0.7944 - loss: 0.4657
Epoch 2596/10000
1/1 0s 10ms/step -

accuracy: 0.7945 - loss: 0.4657
Epoch 2597/10000
1/1 0s 11ms/step -
accuracy: 0.7945 - loss: 0.4656
Epoch 2598/10000
1/1 0s 10ms/step -
accuracy: 0.7945 - loss: 0.4656
Epoch 2599/10000
1/1 0s 11ms/step -
accuracy: 0.7945 - loss: 0.4656
Epoch 2600/10000
1/1 0s 11ms/step -
accuracy: 0.7945 - loss: 0.4655
Epoch 2601/10000
1/1 0s 11ms/step -
accuracy: 0.7945 - loss: 0.4655
Epoch 2602/10000
1/1 0s 9ms/step -
accuracy: 0.7945 - loss: 0.4655
Epoch 2603/10000
1/1 0s 9ms/step -
accuracy: 0.7945 - loss: 0.4654
Epoch 2604/10000
1/1 0s 9ms/step -
accuracy: 0.7945 - loss: 0.4654
Epoch 2605/10000
1/1 0s 10ms/step -
accuracy: 0.7945 - loss: 0.4654
Epoch 2606/10000
1/1 0s 11ms/step -
accuracy: 0.7945 - loss: 0.4653
Epoch 2607/10000
1/1 0s 11ms/step -
accuracy: 0.7945 - loss: 0.4653
Epoch 2608/10000
1/1 0s 11ms/step -
accuracy: 0.7941 - loss: 0.4653
Epoch 2609/10000
1/1 0s 10ms/step -
accuracy: 0.7941 - loss: 0.4652
Epoch 2610/10000
1/1 0s 10ms/step -
accuracy: 0.7941 - loss: 0.4652
Epoch 2611/10000
1/1 0s 10ms/step -
accuracy: 0.7941 - loss: 0.4652
Epoch 2612/10000
1/1 0s 11ms/step -

accuracy: 0.7941 - loss: 0.4651
Epoch 2613/10000
1/1 0s 10ms/step -
accuracy: 0.7941 - loss: 0.4651
Epoch 2614/10000
1/1 0s 11ms/step -
accuracy: 0.7936 - loss: 0.4651
Epoch 2615/10000
1/1 0s 36ms/step -
accuracy: 0.7936 - loss: 0.4650
Epoch 2616/10000
1/1 0s 16ms/step -
accuracy: 0.7937 - loss: 0.4650
Epoch 2617/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4650
Epoch 2618/10000
1/1 0s 9ms/step -
accuracy: 0.7937 - loss: 0.4649
Epoch 2619/10000
1/1 0s 9ms/step -
accuracy: 0.7939 - loss: 0.4649
Epoch 2620/10000
1/1 0s 9ms/step -
accuracy: 0.7940 - loss: 0.4648
Epoch 2621/10000
1/1 0s 9ms/step -
accuracy: 0.7940 - loss: 0.4648
Epoch 2622/10000
1/1 0s 10ms/step -
accuracy: 0.7940 - loss: 0.4648
Epoch 2623/10000
1/1 0s 12ms/step -
accuracy: 0.7940 - loss: 0.4647
Epoch 2624/10000
1/1 0s 10ms/step -
accuracy: 0.7940 - loss: 0.4647
Epoch 2625/10000
1/1 0s 25ms/step -
accuracy: 0.7940 - loss: 0.4647
Epoch 2626/10000
1/1 0s 9ms/step -
accuracy: 0.7940 - loss: 0.4646
Epoch 2627/10000
1/1 0s 11ms/step -
accuracy: 0.7940 - loss: 0.4646
Epoch 2628/10000
1/1 0s 10ms/step -

accuracy: 0.7940 - loss: 0.4646
Epoch 2629/10000
1/1 0s 10ms/step -
accuracy: 0.7941 - loss: 0.4645
Epoch 2630/10000
1/1 0s 20ms/step -
accuracy: 0.7941 - loss: 0.4645
Epoch 2631/10000
1/1 0s 27ms/step -
accuracy: 0.7941 - loss: 0.4645
Epoch 2632/10000
1/1 0s 14ms/step -
accuracy: 0.7941 - loss: 0.4644
Epoch 2633/10000
1/1 0s 9ms/step -
accuracy: 0.7942 - loss: 0.4644
Epoch 2634/10000
1/1 0s 9ms/step -
accuracy: 0.7942 - loss: 0.4644
Epoch 2635/10000
1/1 0s 9ms/step -
accuracy: 0.7943 - loss: 0.4643
Epoch 2636/10000
1/1 0s 9ms/step -
accuracy: 0.7943 - loss: 0.4643
Epoch 2637/10000
1/1 0s 9ms/step -
accuracy: 0.7944 - loss: 0.4643
Epoch 2638/10000
1/1 0s 9ms/step -
accuracy: 0.7944 - loss: 0.4642
Epoch 2639/10000
1/1 0s 9ms/step -
accuracy: 0.7945 - loss: 0.4642
Epoch 2640/10000
1/1 0s 11ms/step -
accuracy: 0.7945 - loss: 0.4642
Epoch 2641/10000
1/1 0s 11ms/step -
accuracy: 0.7946 - loss: 0.4641
Epoch 2642/10000
1/1 0s 10ms/step -
accuracy: 0.7946 - loss: 0.4641
Epoch 2643/10000
1/1 0s 12ms/step -
accuracy: 0.7946 - loss: 0.4641
Epoch 2644/10000
1/1 0s 11ms/step -

```

accuracy: 0.7946 - loss: 0.4640
Epoch 2645/10000
1/1          0s 10ms/step -
accuracy: 0.7946 - loss: 0.4640
Epoch 2646/10000
1/1          0s 10ms/step -
accuracy: 0.7946 - loss: 0.4640
Epoch 2647/10000
1/1          0s 10ms/step -
accuracy: 0.7946 - loss: 0.4639
Epoch 2648/10000
1/1          0s 11ms/step -
accuracy: 0.7947 - loss: 0.4639
Epoch 2649/10000
1/1          0s 11ms/step -
accuracy: 0.7947 - loss: 0.4639
Epoch 2650/10000
1/1          0s 12ms/step -
accuracy: 0.7946 - loss: 0.4638
Epoch 2651/10000
1/1          0s 10ms/step -
accuracy: 0.7946 - loss: 0.4638
Epoch 2652/10000
1/1          0s 10ms/step -
accuracy: 0.7947 - loss: 0.4638
Epoch 2653/10000
1/1          0s 9ms/step -
accuracy: 0.7947 - loss: 0.4637
Epoch 2654/10000
1/1          0s 9ms/step -
accuracy: 0.7947 - loss: 0.4637
Epoch 2655/10000
1/1          0s 29ms/step -
accuracy: 0.7947 - loss: 0.4637
Epoch 2656/10000
1/1          0s 19ms/step -
accuracy: 0.7947 - loss: 0.4636
Epoch 2657/10000
1/1          0s 9ms/step -
accuracy: 0.7948 - loss: 0.4636
Epoch 2658/10000
1/1          0s 9ms/step -
accuracy: 0.7948 - loss: 0.4636
Epoch 2659/10000
1/1          0s 9ms/step -
accuracy: 0.7948 - loss: 0.4635
Epoch 2660/10000
1/1          0s 9ms/step -

```

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accuracy: 0.7948 - loss: 0.4635
Epoch 2661/10000
1/1          0s 9ms/step -
accuracy: 0.7948 - loss: 0.4635
Epoch 2662/10000
1/1          0s 9ms/step -
accuracy: 0.7948 - loss: 0.4634
Epoch 2663/10000
1/1          0s 9ms/step -
accuracy: 0.7947 - loss: 0.4634
Epoch 2664/10000
1/1          0s 9ms/step -
accuracy: 0.7947 - loss: 0.4634
Epoch 2665/10000
1/1          0s 10ms/step -
accuracy: 0.7947 - loss: 0.4633
Epoch 2666/10000
1/1          0s 9ms/step -
accuracy: 0.7947 - loss: 0.4633
Epoch 2667/10000
1/1          0s 9ms/step -
accuracy: 0.7946 - loss: 0.4633
Epoch 2668/10000
1/1          0s 9ms/step -
accuracy: 0.7944 - loss: 0.4632
Epoch 2669/10000
1/1          0s 9ms/step -
accuracy: 0.7944 - loss: 0.4632
Epoch 2670/10000
1/1          0s 9ms/step -
accuracy: 0.7944 - loss: 0.4632
Epoch 2671/10000
1/1          0s 10ms/step -
accuracy: 0.7944 - loss: 0.4631
Epoch 2672/10000
1/1          0s 9ms/step -
accuracy: 0.7945 - loss: 0.4631
Epoch 2673/10000
1/1          0s 10ms/step -
accuracy: 0.7945 - loss: 0.4631
Epoch 2674/10000
1/1          0s 9ms/step -
accuracy: 0.7945 - loss: 0.4630
Epoch 2675/10000
1/1          0s 9ms/step -
accuracy: 0.7945 - loss: 0.4630
Epoch 2676/10000
1/1          0s 9ms/step -

```

accuracy: 0.7946 - loss: 0.4630
Epoch 2677/10000
1/1 0s 9ms/step -
accuracy: 0.7946 - loss: 0.4629
Epoch 2678/10000
1/1 0s 14ms/step -
accuracy: 0.7946 - loss: 0.4629
Epoch 2679/10000
1/1 0s 32ms/step -
accuracy: 0.7946 - loss: 0.4629
Epoch 2680/10000
1/1 0s 15ms/step -
accuracy: 0.7946 - loss: 0.4628
Epoch 2681/10000
1/1 0s 9ms/step -
accuracy: 0.7946 - loss: 0.4628
Epoch 2682/10000
1/1 0s 8ms/step -
accuracy: 0.7946 - loss: 0.4628
Epoch 2683/10000
1/1 0s 9ms/step -
accuracy: 0.7947 - loss: 0.4627
Epoch 2684/10000
1/1 0s 10ms/step -
accuracy: 0.7947 - loss: 0.4627
Epoch 2685/10000
1/1 0s 10ms/step -
accuracy: 0.7947 - loss: 0.4627
Epoch 2686/10000
1/1 0s 31ms/step -
accuracy: 0.7947 - loss: 0.4626
Epoch 2687/10000
1/1 0s 19ms/step -
accuracy: 0.7948 - loss: 0.4626
Epoch 2688/10000
1/1 0s 9ms/step -
accuracy: 0.7948 - loss: 0.4626
Epoch 2689/10000
1/1 0s 8ms/step -
accuracy: 0.7948 - loss: 0.4625
Epoch 2690/10000
1/1 0s 9ms/step -
accuracy: 0.7949 - loss: 0.4625
Epoch 2691/10000
1/1 0s 10ms/step -
accuracy: 0.7949 - loss: 0.4625
Epoch 2692/10000
1/1 0s 9ms/step -

accuracy: 0.7949 - loss: 0.4624
Epoch 2693/10000
1/1 0s 9ms/step -
accuracy: 0.7949 - loss: 0.4624
Epoch 2694/10000
1/1 0s 9ms/step -
accuracy: 0.7950 - loss: 0.4624
Epoch 2695/10000
1/1 0s 9ms/step -
accuracy: 0.7950 - loss: 0.4623
Epoch 2696/10000
1/1 0s 9ms/step -
accuracy: 0.7950 - loss: 0.4623
Epoch 2697/10000
1/1 0s 9ms/step -
accuracy: 0.7950 - loss: 0.4623
Epoch 2698/10000
1/1 0s 9ms/step -
accuracy: 0.7950 - loss: 0.4622
Epoch 2699/10000
1/1 0s 9ms/step -
accuracy: 0.7950 - loss: 0.4622
Epoch 2700/10000
1/1 0s 9ms/step -
accuracy: 0.7950 - loss: 0.4622
Epoch 2701/10000
1/1 0s 9ms/step -
accuracy: 0.7952 - loss: 0.4621
Epoch 2702/10000
1/1 0s 9ms/step -
accuracy: 0.7952 - loss: 0.4621
Epoch 2703/10000
1/1 0s 9ms/step -
accuracy: 0.7952 - loss: 0.4621
Epoch 2704/10000
1/1 0s 8ms/step -
accuracy: 0.7952 - loss: 0.4620
Epoch 2705/10000
1/1 0s 9ms/step -
accuracy: 0.7952 - loss: 0.4620
Epoch 2706/10000
1/1 0s 9ms/step -
accuracy: 0.7952 - loss: 0.4620
Epoch 2707/10000
1/1 0s 9ms/step -
accuracy: 0.7952 - loss: 0.4619
Epoch 2708/10000
1/1 0s 9ms/step -

accuracy: 0.7952 - loss: 0.4619
Epoch 2709/10000
1/1 0s 32ms/step -
accuracy: 0.7952 - loss: 0.4619
Epoch 2710/10000
1/1 0s 17ms/step -
accuracy: 0.7952 - loss: 0.4618
Epoch 2711/10000
1/1 0s 10ms/step -
accuracy: 0.7952 - loss: 0.4618
Epoch 2712/10000
1/1 0s 9ms/step -
accuracy: 0.7956 - loss: 0.4618
Epoch 2713/10000
1/1 0s 9ms/step -
accuracy: 0.7956 - loss: 0.4617
Epoch 2714/10000
1/1 0s 9ms/step -
accuracy: 0.7957 - loss: 0.4617
Epoch 2715/10000
1/1 0s 9ms/step -
accuracy: 0.7958 - loss: 0.4617
Epoch 2716/10000
1/1 0s 9ms/step -
accuracy: 0.7959 - loss: 0.4616
Epoch 2717/10000
1/1 0s 65ms/step -
accuracy: 0.7959 - loss: 0.4616
Epoch 2718/10000
1/1 0s 12ms/step -
accuracy: 0.7959 - loss: 0.4616
Epoch 2719/10000
1/1 0s 9ms/step -
accuracy: 0.7959 - loss: 0.4615
Epoch 2720/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4615
Epoch 2721/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4615
Epoch 2722/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4615
Epoch 2723/10000
1/1 0s 9ms/step -
accuracy: 0.7961 - loss: 0.4614
Epoch 2724/10000
1/1 0s 9ms/step -

accuracy: 0.7960 - loss: 0.4614
Epoch 2725/10000
1/1 0s 10ms/step -
accuracy: 0.7960 - loss: 0.4614
Epoch 2726/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4613
Epoch 2727/10000
1/1 0s 41ms/step -
accuracy: 0.7960 - loss: 0.4613
Epoch 2728/10000
1/1 0s 16ms/step -
accuracy: 0.7960 - loss: 0.4613
Epoch 2729/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4612
Epoch 2730/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4612
Epoch 2731/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4612
Epoch 2732/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4611
Epoch 2733/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4611
Epoch 2734/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4611
Epoch 2735/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4610
Epoch 2736/10000
1/1 0s 10ms/step -
accuracy: 0.7960 - loss: 0.4610
Epoch 2737/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4610
Epoch 2738/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4609
Epoch 2739/10000
1/1 0s 9ms/step -
accuracy: 0.7960 - loss: 0.4609
Epoch 2740/10000
1/1 0s 11ms/step -

accuracy: 0.7960 - loss: 0.4609
Epoch 2741/10000
1/1 0s 10ms/step -
accuracy: 0.7960 - loss: 0.4608
Epoch 2742/10000
1/1 0s 10ms/step -
accuracy: 0.7963 - loss: 0.4608
Epoch 2743/10000
1/1 0s 11ms/step -
accuracy: 0.7963 - loss: 0.4608
Epoch 2744/10000
1/1 0s 11ms/step -
accuracy: 0.7964 - loss: 0.4607
Epoch 2745/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4607
Epoch 2746/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4607
Epoch 2747/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4606
Epoch 2748/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4606
Epoch 2749/10000
1/1 0s 10ms/step -
accuracy: 0.7963 - loss: 0.4606
Epoch 2750/10000
1/1 0s 31ms/step -
accuracy: 0.7963 - loss: 0.4606
Epoch 2751/10000
1/1 0s 20ms/step -
accuracy: 0.7963 - loss: 0.4605
Epoch 2752/10000
1/1 0s 9ms/step -
accuracy: 0.7963 - loss: 0.4605
Epoch 2753/10000
1/1 0s 9ms/step -
accuracy: 0.7963 - loss: 0.4605
Epoch 2754/10000
1/1 0s 9ms/step -
accuracy: 0.7963 - loss: 0.4604
Epoch 2755/10000
1/1 0s 9ms/step -
accuracy: 0.7963 - loss: 0.4604
Epoch 2756/10000
1/1 0s 9ms/step -

accuracy: 0.7963 - loss: 0.4604
Epoch 2757/10000
1/1 0s 9ms/step -
accuracy: 0.7963 - loss: 0.4603
Epoch 2758/10000
1/1 0s 19ms/step -
accuracy: 0.7963 - loss: 0.4603
Epoch 2759/10000
1/1 0s 26ms/step -
accuracy: 0.7963 - loss: 0.4603
Epoch 2760/10000
1/1 0s 12ms/step -
accuracy: 0.7963 - loss: 0.4602
Epoch 2761/10000
1/1 0s 9ms/step -
accuracy: 0.7963 - loss: 0.4602
Epoch 2762/10000
1/1 0s 9ms/step -
accuracy: 0.7963 - loss: 0.4602
Epoch 2763/10000
1/1 0s 9ms/step -
accuracy: 0.7963 - loss: 0.4601
Epoch 2764/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4601
Epoch 2765/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4601
Epoch 2766/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4600
Epoch 2767/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4600
Epoch 2768/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4600
Epoch 2769/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4600
Epoch 2770/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4599
Epoch 2771/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4599
Epoch 2772/10000
1/1 0s 24ms/step -

accuracy: 0.7966 - loss: 0.4599
Epoch 2773/10000
1/1 0s 24ms/step -
accuracy: 0.7966 - loss: 0.4598
Epoch 2774/10000
1/1 0s 10ms/step -
accuracy: 0.7966 - loss: 0.4598
Epoch 2775/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4598
Epoch 2776/10000
1/1 0s 10ms/step -
accuracy: 0.7967 - loss: 0.4597
Epoch 2777/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4597
Epoch 2778/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4597
Epoch 2779/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4596
Epoch 2780/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4596
Epoch 2781/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4596
Epoch 2782/10000
1/1 0s 26ms/step -
accuracy: 0.7964 - loss: 0.4595
Epoch 2783/10000
1/1 0s 46ms/step -
accuracy: 0.7964 - loss: 0.4595
Epoch 2784/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4595
Epoch 2785/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4595
Epoch 2786/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4594
Epoch 2787/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4594
Epoch 2788/10000
1/1 0s 9ms/step -

accuracy: 0.7965 - loss: 0.4594
Epoch 2789/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4593
Epoch 2790/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4593
Epoch 2791/10000
1/1 0s 10ms/step -
accuracy: 0.7965 - loss: 0.4593
Epoch 2792/10000
1/1 0s 14ms/step -
accuracy: 0.7965 - loss: 0.4592
Epoch 2793/10000
1/1 0s 21ms/step -
accuracy: 0.7965 - loss: 0.4592
Epoch 2794/10000
1/1 0s 18ms/step -
accuracy: 0.7965 - loss: 0.4592
Epoch 2795/10000
1/1 0s 10ms/step -
accuracy: 0.7967 - loss: 0.4591
Epoch 2796/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4591
Epoch 2797/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4591
Epoch 2798/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4591
Epoch 2799/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4590
Epoch 2800/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4590
Epoch 2801/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4590
Epoch 2802/10000
1/1 0s 9ms/step -
accuracy: 0.7963 - loss: 0.4589
Epoch 2803/10000
1/1 0s 10ms/step -
accuracy: 0.7963 - loss: 0.4589
Epoch 2804/10000
1/1 0s 9ms/step -

accuracy: 0.7964 - loss: 0.4589
Epoch 2805/10000
1/1 0s 38ms/step -
accuracy: 0.7964 - loss: 0.4588
Epoch 2806/10000
1/1 0s 18ms/step -
accuracy: 0.7964 - loss: 0.4588
Epoch 2807/10000
1/1 0s 10ms/step -
accuracy: 0.7964 - loss: 0.4588
Epoch 2808/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4587
Epoch 2809/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4587
Epoch 2810/10000
1/1 0s 10ms/step -
accuracy: 0.7964 - loss: 0.4587
Epoch 2811/10000
1/1 0s 9ms/step -
accuracy: 0.7965 - loss: 0.4587
Epoch 2812/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4586
Epoch 2813/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4586
Epoch 2814/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4586
Epoch 2815/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4585
Epoch 2816/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4585
Epoch 2817/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4585
Epoch 2818/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4584
Epoch 2819/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4584
Epoch 2820/10000
1/1 0s 10ms/step -

accuracy: 0.7966 - loss: 0.4584
Epoch 2821/10000
1/1 0s 10ms/step -
accuracy: 0.7967 - loss: 0.4584
Epoch 2822/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4583
Epoch 2823/10000
1/1 0s 9ms/step -
accuracy: 0.7968 - loss: 0.4583
Epoch 2824/10000
1/1 0s 9ms/step -
accuracy: 0.7968 - loss: 0.4583
Epoch 2825/10000
1/1 0s 9ms/step -
accuracy: 0.7968 - loss: 0.4582
Epoch 2826/10000
1/1 0s 9ms/step -
accuracy: 0.7968 - loss: 0.4582
Epoch 2827/10000
1/1 0s 34ms/step -
accuracy: 0.7968 - loss: 0.4582
Epoch 2828/10000
1/1 0s 16ms/step -
accuracy: 0.7966 - loss: 0.4581
Epoch 2829/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4581
Epoch 2830/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4581
Epoch 2831/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4580
Epoch 2832/10000
1/1 0s 9ms/step -
accuracy: 0.7968 - loss: 0.4580
Epoch 2833/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4580
Epoch 2834/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4580
Epoch 2835/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4579
Epoch 2836/10000
1/1 0s 32ms/step -

accuracy: 0.7967 - loss: 0.4579
Epoch 2837/10000
1/1 0s 20ms/step -
accuracy: 0.7967 - loss: 0.4579
Epoch 2838/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4578
Epoch 2839/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4578
Epoch 2840/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4578
Epoch 2841/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4577
Epoch 2842/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4577
Epoch 2843/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4577
Epoch 2844/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4577
Epoch 2845/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4576
Epoch 2846/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4576
Epoch 2847/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4576
Epoch 2848/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4575
Epoch 2849/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4575
Epoch 2850/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4575
Epoch 2851/10000
1/1 0s 10ms/step -
accuracy: 0.7967 - loss: 0.4574
Epoch 2852/10000
1/1 0s 10ms/step -

accuracy: 0.7967 - loss: 0.4574
Epoch 2853/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4574
Epoch 2854/10000
1/1 0s 10ms/step -
accuracy: 0.7967 - loss: 0.4574
Epoch 2855/10000
1/1 0s 9ms/step -
accuracy: 0.7966 - loss: 0.4573
Epoch 2856/10000
1/1 0s 9ms/step -
accuracy: 0.7967 - loss: 0.4573
Epoch 2857/10000
1/1 0s 9ms/step -
accuracy: 0.7964 - loss: 0.4573
Epoch 2858/10000
1/1 0s 39ms/step -
accuracy: 0.7965 - loss: 0.4572
Epoch 2859/10000
1/1 0s 17ms/step -
accuracy: 0.7966 - loss: 0.4572
Epoch 2860/10000
1/1 0s 12ms/step -
accuracy: 0.7967 - loss: 0.4572
Epoch 2861/10000
1/1 0s 10ms/step -
accuracy: 0.7967 - loss: 0.4571
Epoch 2862/10000
1/1 0s 11ms/step -
accuracy: 0.7967 - loss: 0.4571
Epoch 2863/10000
1/1 0s 20ms/step -
accuracy: 0.7968 - loss: 0.4571
Epoch 2864/10000
1/1 0s 32ms/step -
accuracy: 0.7968 - loss: 0.4571
Epoch 2865/10000
1/1 0s 23ms/step -
accuracy: 0.7968 - loss: 0.4570
Epoch 2866/10000
1/1 0s 10ms/step -
accuracy: 0.7969 - loss: 0.4570
Epoch 2867/10000
1/1 0s 9ms/step -
accuracy: 0.7969 - loss: 0.4570
Epoch 2868/10000
1/1 0s 10ms/step -

accuracy: 0.7970 - loss: 0.4569
Epoch 2869/10000
1/1 0s 9ms/step -
accuracy: 0.7970 - loss: 0.4569
Epoch 2870/10000
1/1 0s 9ms/step -
accuracy: 0.7970 - loss: 0.4569
Epoch 2871/10000
1/1 0s 9ms/step -
accuracy: 0.7970 - loss: 0.4569
Epoch 2872/10000
1/1 0s 10ms/step -
accuracy: 0.7970 - loss: 0.4568
Epoch 2873/10000
1/1 0s 10ms/step -
accuracy: 0.7970 - loss: 0.4568
Epoch 2874/10000
1/1 0s 9ms/step -
accuracy: 0.7972 - loss: 0.4568
Epoch 2875/10000
1/1 0s 10ms/step -
accuracy: 0.7972 - loss: 0.4567
Epoch 2876/10000
1/1 0s 9ms/step -
accuracy: 0.7975 - loss: 0.4567
Epoch 2877/10000
1/1 0s 9ms/step -
accuracy: 0.7974 - loss: 0.4567
Epoch 2878/10000
1/1 0s 9ms/step -
accuracy: 0.7975 - loss: 0.4566
Epoch 2879/10000
1/1 0s 10ms/step -
accuracy: 0.7976 - loss: 0.4566
Epoch 2880/10000
1/1 0s 11ms/step -
accuracy: 0.7976 - loss: 0.4566
Epoch 2881/10000
1/1 0s 13ms/step -
accuracy: 0.7976 - loss: 0.4566
Epoch 2882/10000
1/1 0s 13ms/step -
accuracy: 0.7976 - loss: 0.4565
Epoch 2883/10000
1/1 0s 18ms/step -
accuracy: 0.7977 - loss: 0.4565
Epoch 2884/10000
1/1 0s 10ms/step -

accuracy: 0.7977 - loss: 0.4565
Epoch 2885/10000
1/1 0s 9ms/step -
accuracy: 0.7977 - loss: 0.4564
Epoch 2886/10000
1/1 0s 41ms/step -
accuracy: 0.7977 - loss: 0.4564
Epoch 2887/10000
1/1 0s 15ms/step -
accuracy: 0.7977 - loss: 0.4564
Epoch 2888/10000
1/1 0s 9ms/step -
accuracy: 0.7977 - loss: 0.4564
Epoch 2889/10000
1/1 0s 9ms/step -
accuracy: 0.7977 - loss: 0.4563
Epoch 2890/10000
1/1 0s 10ms/step -
accuracy: 0.7976 - loss: 0.4563
Epoch 2891/10000
1/1 0s 12ms/step -
accuracy: 0.7976 - loss: 0.4563
Epoch 2892/10000
1/1 0s 11ms/step -
accuracy: 0.7976 - loss: 0.4562
Epoch 2893/10000
1/1 0s 11ms/step -
accuracy: 0.7976 - loss: 0.4562
Epoch 2894/10000
1/1 0s 11ms/step -
accuracy: 0.7976 - loss: 0.4562
Epoch 2895/10000
1/1 0s 11ms/step -
accuracy: 0.7976 - loss: 0.4561
Epoch 2896/10000
1/1 0s 9ms/step -
accuracy: 0.7976 - loss: 0.4561
Epoch 2897/10000
1/1 0s 10ms/step -
accuracy: 0.7976 - loss: 0.4561
Epoch 2898/10000
1/1 0s 10ms/step -
accuracy: 0.7977 - loss: 0.4561
Epoch 2899/10000
1/1 0s 9ms/step -
accuracy: 0.7978 - loss: 0.4560
Epoch 2900/10000
1/1 0s 9ms/step -

accuracy: 0.7978 - loss: 0.4560
Epoch 2901/10000
1/1 0s 9ms/step -
accuracy: 0.7978 - loss: 0.4560
Epoch 2902/10000
1/1 0s 9ms/step -
accuracy: 0.7978 - loss: 0.4559
Epoch 2903/10000
1/1 0s 9ms/step -
accuracy: 0.7978 - loss: 0.4559
Epoch 2904/10000
1/1 0s 9ms/step -
accuracy: 0.7978 - loss: 0.4559
Epoch 2905/10000
1/1 0s 9ms/step -
accuracy: 0.7979 - loss: 0.4559
Epoch 2906/10000
1/1 0s 20ms/step -
accuracy: 0.7979 - loss: 0.4558
Epoch 2907/10000
1/1 0s 27ms/step -
accuracy: 0.7979 - loss: 0.4558
Epoch 2908/10000
1/1 0s 27ms/step -
accuracy: 0.7979 - loss: 0.4558
Epoch 2909/10000
1/1 0s 11ms/step -
accuracy: 0.7979 - loss: 0.4557
Epoch 2910/10000
1/1 0s 9ms/step -
accuracy: 0.7979 - loss: 0.4557
Epoch 2911/10000
1/1 0s 9ms/step -
accuracy: 0.7984 - loss: 0.4557
Epoch 2912/10000
1/1 0s 10ms/step -
accuracy: 0.7985 - loss: 0.4557
Epoch 2913/10000
1/1 0s 10ms/step -
accuracy: 0.7985 - loss: 0.4556
Epoch 2914/10000
1/1 0s 10ms/step -
accuracy: 0.7986 - loss: 0.4556
Epoch 2915/10000
1/1 0s 9ms/step -
accuracy: 0.7986 - loss: 0.4556
Epoch 2916/10000
1/1 0s 9ms/step -

accuracy: 0.7986 - loss: 0.4555
Epoch 2917/10000
1/1 0s 9ms/step -
accuracy: 0.7986 - loss: 0.4555
Epoch 2918/10000
1/1 0s 11ms/step -
accuracy: 0.7986 - loss: 0.4555
Epoch 2919/10000
1/1 0s 10ms/step -
accuracy: 0.7986 - loss: 0.4555
Epoch 2920/10000
1/1 0s 11ms/step -
accuracy: 0.7986 - loss: 0.4554
Epoch 2921/10000
1/1 0s 10ms/step -
accuracy: 0.7987 - loss: 0.4554
Epoch 2922/10000
1/1 0s 12ms/step -
accuracy: 0.7987 - loss: 0.4554
Epoch 2923/10000
1/1 0s 10ms/step -
accuracy: 0.7987 - loss: 0.4553
Epoch 2924/10000
1/1 0s 10ms/step -
accuracy: 0.7987 - loss: 0.4553
Epoch 2925/10000
1/1 0s 10ms/step -
accuracy: 0.7991 - loss: 0.4553
Epoch 2926/10000
1/1 0s 21ms/step -
accuracy: 0.7990 - loss: 0.4553
Epoch 2927/10000
1/1 0s 24ms/step -
accuracy: 0.7990 - loss: 0.4552
Epoch 2928/10000
1/1 0s 15ms/step -
accuracy: 0.7990 - loss: 0.4552
Epoch 2929/10000
1/1 0s 9ms/step -
accuracy: 0.7990 - loss: 0.4552
Epoch 2930/10000
1/1 0s 10ms/step -
accuracy: 0.7990 - loss: 0.4551
Epoch 2931/10000
1/1 0s 11ms/step -
accuracy: 0.7990 - loss: 0.4551
Epoch 2932/10000
1/1 0s 10ms/step -

accuracy: 0.7990 - loss: 0.4551
Epoch 2933/10000
1/1 0s 11ms/step -
accuracy: 0.7990 - loss: 0.4551
Epoch 2934/10000
1/1 0s 10ms/step -
accuracy: 0.7990 - loss: 0.4550
Epoch 2935/10000
1/1 0s 10ms/step -
accuracy: 0.7990 - loss: 0.4550
Epoch 2936/10000
1/1 0s 10ms/step -
accuracy: 0.7991 - loss: 0.4550
Epoch 2937/10000
1/1 0s 10ms/step -
accuracy: 0.7991 - loss: 0.4549
Epoch 2938/10000
1/1 0s 10ms/step -
accuracy: 0.7991 - loss: 0.4549
Epoch 2939/10000
1/1 0s 12ms/step -
accuracy: 0.7991 - loss: 0.4549
Epoch 2940/10000
1/1 0s 10ms/step -
accuracy: 0.7991 - loss: 0.4549
Epoch 2941/10000
1/1 0s 11ms/step -
accuracy: 0.7992 - loss: 0.4548
Epoch 2942/10000
1/1 0s 10ms/step -
accuracy: 0.7992 - loss: 0.4548
Epoch 2943/10000
1/1 0s 10ms/step -
accuracy: 0.7993 - loss: 0.4548
Epoch 2944/10000
1/1 0s 10ms/step -
accuracy: 0.7993 - loss: 0.4547
Epoch 2945/10000
1/1 0s 30ms/step -
accuracy: 0.7994 - loss: 0.4547
Epoch 2946/10000
1/1 0s 21ms/step -
accuracy: 0.7994 - loss: 0.4547
Epoch 2947/10000
1/1 0s 9ms/step -
accuracy: 0.7995 - loss: 0.4547
Epoch 2948/10000
1/1 0s 8ms/step -

```

accuracy: 0.7995 - loss: 0.4546
Epoch 2949/10000
1/1          0s 9ms/step -
accuracy: 0.7995 - loss: 0.4546
Epoch 2950/10000
1/1          0s 9ms/step -
accuracy: 0.7995 - loss: 0.4546
Epoch 2951/10000
1/1          0s 10ms/step -
accuracy: 0.7997 - loss: 0.4545
Epoch 2952/10000
1/1          0s 9ms/step -
accuracy: 0.7997 - loss: 0.4545
Epoch 2953/10000
1/1          0s 10ms/step -
accuracy: 0.7997 - loss: 0.4545
Epoch 2954/10000
1/1          0s 10ms/step -
accuracy: 0.7997 - loss: 0.4545
Epoch 2955/10000
1/1          0s 10ms/step -
accuracy: 0.7998 - loss: 0.4544
Epoch 2956/10000
1/1          0s 9ms/step -
accuracy: 0.7998 - loss: 0.4544
Epoch 2957/10000
1/1          0s 9ms/step -
accuracy: 0.7992 - loss: 0.4544
Epoch 2958/10000
1/1          0s 10ms/step -
accuracy: 0.7992 - loss: 0.4543
Epoch 2959/10000
1/1          0s 10ms/step -
accuracy: 0.7991 - loss: 0.4543
Epoch 2960/10000
1/1          0s 10ms/step -
accuracy: 0.7991 - loss: 0.4543
Epoch 2961/10000
1/1          0s 9ms/step -
accuracy: 0.7991 - loss: 0.4543
Epoch 2962/10000
1/1          0s 10ms/step -
accuracy: 0.7991 - loss: 0.4542
Epoch 2963/10000
1/1          0s 10ms/step -
accuracy: 0.7991 - loss: 0.4542
Epoch 2964/10000
1/1          0s 9ms/step -

```

accuracy: 0.7991 - loss: 0.4542
Epoch 2965/10000
1/1 0s 9ms/step -
accuracy: 0.7991 - loss: 0.4542
Epoch 2966/10000
1/1 0s 23ms/step -
accuracy: 0.7993 - loss: 0.4541
Epoch 2967/10000
1/1 0s 21ms/step -
accuracy: 0.7993 - loss: 0.4541
Epoch 2968/10000
1/1 0s 15ms/step -
accuracy: 0.7993 - loss: 0.4541
Epoch 2969/10000
1/1 0s 9ms/step -
accuracy: 0.7993 - loss: 0.4540
Epoch 2970/10000
1/1 0s 10ms/step -
accuracy: 0.7993 - loss: 0.4540
Epoch 2971/10000
1/1 0s 10ms/step -
accuracy: 0.7994 - loss: 0.4540
Epoch 2972/10000
1/1 0s 9ms/step -
accuracy: 0.7994 - loss: 0.4540
Epoch 2973/10000
1/1 0s 9ms/step -
accuracy: 0.7994 - loss: 0.4539
Epoch 2974/10000
1/1 0s 9ms/step -
accuracy: 0.7994 - loss: 0.4539
Epoch 2975/10000
1/1 0s 9ms/step -
accuracy: 0.7995 - loss: 0.4539
Epoch 2976/10000
1/1 0s 9ms/step -
accuracy: 0.7995 - loss: 0.4538
Epoch 2977/10000
1/1 0s 9ms/step -
accuracy: 0.7995 - loss: 0.4538
Epoch 2978/10000
1/1 0s 9ms/step -
accuracy: 0.7995 - loss: 0.4538
Epoch 2979/10000
1/1 0s 9ms/step -
accuracy: 0.7995 - loss: 0.4538
Epoch 2980/10000
1/1 0s 9ms/step -

accuracy: 0.7995 - loss: 0.4537
Epoch 2981/10000
1/1 0s 9ms/step -
accuracy: 0.7994 - loss: 0.4537
Epoch 2982/10000
1/1 0s 9ms/step -
accuracy: 0.7994 - loss: 0.4537
Epoch 2983/10000
1/1 0s 9ms/step -
accuracy: 0.7998 - loss: 0.4537
Epoch 2984/10000
1/1 0s 10ms/step -
accuracy: 0.7999 - loss: 0.4536
Epoch 2985/10000
1/1 0s 9ms/step -
accuracy: 0.7999 - loss: 0.4536
Epoch 2986/10000
1/1 0s 9ms/step -
accuracy: 0.7999 - loss: 0.4536
Epoch 2987/10000
1/1 0s 9ms/step -
accuracy: 0.7999 - loss: 0.4535
Epoch 2988/10000
1/1 0s 32ms/step -
accuracy: 0.7999 - loss: 0.4535
Epoch 2989/10000
1/1 0s 15ms/step -
accuracy: 0.8001 - loss: 0.4535
Epoch 2990/10000
1/1 0s 9ms/step -
accuracy: 0.8002 - loss: 0.4535
Epoch 2991/10000
1/1 0s 9ms/step -
accuracy: 0.8002 - loss: 0.4534
Epoch 2992/10000
1/1 0s 9ms/step -
accuracy: 0.8002 - loss: 0.4534
Epoch 2993/10000
1/1 0s 9ms/step -
accuracy: 0.8002 - loss: 0.4534
Epoch 2994/10000
1/1 0s 9ms/step -
accuracy: 0.8002 - loss: 0.4533
Epoch 2995/10000
1/1 0s 9ms/step -
accuracy: 0.8002 - loss: 0.4533
Epoch 2996/10000
1/1 0s 9ms/step -

accuracy: 0.8002 - loss: 0.4533
Epoch 2997/10000
1/1 0s 9ms/step -
accuracy: 0.8006 - loss: 0.4533
Epoch 2998/10000
1/1 0s 9ms/step -
accuracy: 0.8006 - loss: 0.4532
Epoch 2999/10000
1/1 0s 9ms/step -
accuracy: 0.8005 - loss: 0.4532
Epoch 3000/10000
1/1 0s 10ms/step -
accuracy: 0.8006 - loss: 0.4532
Epoch 3001/10000
1/1 0s 10ms/step -
accuracy: 0.8006 - loss: 0.4532
Epoch 3002/10000
1/1 0s 10ms/step -
accuracy: 0.8006 - loss: 0.4531
Epoch 3003/10000
1/1 0s 14ms/step -
accuracy: 0.8006 - loss: 0.4531
Epoch 3004/10000
1/1 0s 12ms/step -
accuracy: 0.8006 - loss: 0.4531
Epoch 3005/10000
1/1 0s 11ms/step -
accuracy: 0.8005 - loss: 0.4530
Epoch 3006/10000
1/1 0s 10ms/step -
accuracy: 0.8005 - loss: 0.4530
Epoch 3007/10000
1/1 0s 11ms/step -
accuracy: 0.8005 - loss: 0.4530
Epoch 3008/10000
1/1 0s 25ms/step -
accuracy: 0.8005 - loss: 0.4530
Epoch 3009/10000
1/1 0s 29ms/step -
accuracy: 0.8005 - loss: 0.4529
Epoch 3010/10000
1/1 0s 17ms/step -
accuracy: 0.8005 - loss: 0.4529
Epoch 3011/10000
1/1 0s 10ms/step -
accuracy: 0.8005 - loss: 0.4529
Epoch 3012/10000
1/1 0s 14ms/step -

accuracy: 0.8005 - loss: 0.4529
Epoch 3013/10000
1/1 0s 10ms/step -
accuracy: 0.8005 - loss: 0.4528
Epoch 3014/10000
1/1 0s 16ms/step -
accuracy: 0.8005 - loss: 0.4528
Epoch 3015/10000
1/1 0s 10ms/step -
accuracy: 0.8005 - loss: 0.4528
Epoch 3016/10000
1/1 0s 22ms/step -
accuracy: 0.8004 - loss: 0.4527
Epoch 3017/10000
1/1 0s 11ms/step -
accuracy: 0.8006 - loss: 0.4527
Epoch 3018/10000
1/1 0s 11ms/step -
accuracy: 0.8007 - loss: 0.4527
Epoch 3019/10000
1/1 0s 23ms/step -
accuracy: 0.8007 - loss: 0.4527
Epoch 3020/10000
1/1 0s 10ms/step -
accuracy: 0.8007 - loss: 0.4526
Epoch 3021/10000
1/1 0s 10ms/step -
accuracy: 0.8007 - loss: 0.4526
Epoch 3022/10000
1/1 0s 10ms/step -
accuracy: 0.8008 - loss: 0.4526
Epoch 3023/10000
1/1 0s 19ms/step -
accuracy: 0.8009 - loss: 0.4526
Epoch 3024/10000
1/1 0s 10ms/step -
accuracy: 0.8009 - loss: 0.4525
Epoch 3025/10000
1/1 0s 22ms/step -
accuracy: 0.8008 - loss: 0.4525
Epoch 3026/10000
1/1 0s 11ms/step -
accuracy: 0.8008 - loss: 0.4525
Epoch 3027/10000
1/1 0s 11ms/step -
accuracy: 0.8009 - loss: 0.4524
Epoch 3028/10000
1/1 0s 52ms/step -

accuracy: 0.8009 - loss: 0.4524
Epoch 3029/10000
1/1 0s 10ms/step -
accuracy: 0.8009 - loss: 0.4524
Epoch 3030/10000
1/1 0s 10ms/step -
accuracy: 0.8008 - loss: 0.4524
Epoch 3031/10000
1/1 0s 27ms/step -
accuracy: 0.8008 - loss: 0.4523
Epoch 3032/10000
1/1 0s 10ms/step -
accuracy: 0.8008 - loss: 0.4523
Epoch 3033/10000
1/1 0s 10ms/step -
accuracy: 0.8008 - loss: 0.4523
Epoch 3034/10000
1/1 0s 11ms/step -
accuracy: 0.8008 - loss: 0.4523
Epoch 3035/10000
1/1 0s 33ms/step -
accuracy: 0.8008 - loss: 0.4522
Epoch 3036/10000
1/1 0s 10ms/step -
accuracy: 0.8008 - loss: 0.4522
Epoch 3037/10000
1/1 0s 10ms/step -
accuracy: 0.8008 - loss: 0.4522
Epoch 3038/10000
1/1 0s 32ms/step -
accuracy: 0.8008 - loss: 0.4522
Epoch 3039/10000
1/1 0s 11ms/step -
accuracy: 0.8008 - loss: 0.4521
Epoch 3040/10000
1/1 0s 11ms/step -
accuracy: 0.8010 - loss: 0.4521
Epoch 3041/10000
1/1 0s 10ms/step -
accuracy: 0.8010 - loss: 0.4521
Epoch 3042/10000
1/1 0s 9ms/step -
accuracy: 0.8011 - loss: 0.4520
Epoch 3043/10000
1/1 0s 9ms/step -
accuracy: 0.8010 - loss: 0.4520
Epoch 3044/10000
1/1 0s 9ms/step -

accuracy: 0.8010 - loss: 0.4520
Epoch 3045/10000
1/1 0s 10ms/step -
accuracy: 0.8010 - loss: 0.4520
Epoch 3046/10000
1/1 0s 10ms/step -
accuracy: 0.8010 - loss: 0.4519
Epoch 3047/10000
1/1 0s 60ms/step -
accuracy: 0.8010 - loss: 0.4519
Epoch 3048/10000
1/1 0s 15ms/step -
accuracy: 0.8010 - loss: 0.4519
Epoch 3049/10000
1/1 0s 9ms/step -
accuracy: 0.8010 - loss: 0.4519
Epoch 3050/10000
1/1 0s 9ms/step -
accuracy: 0.8010 - loss: 0.4518
Epoch 3051/10000
1/1 0s 9ms/step -
accuracy: 0.8010 - loss: 0.4518
Epoch 3052/10000
1/1 0s 9ms/step -
accuracy: 0.8010 - loss: 0.4518
Epoch 3053/10000
1/1 0s 10ms/step -
accuracy: 0.8010 - loss: 0.4518
Epoch 3054/10000
1/1 0s 10ms/step -
accuracy: 0.8011 - loss: 0.4517
Epoch 3055/10000
1/1 0s 9ms/step -
accuracy: 0.8011 - loss: 0.4517
Epoch 3056/10000
1/1 0s 9ms/step -
accuracy: 0.8011 - loss: 0.4517
Epoch 3057/10000
1/1 0s 9ms/step -
accuracy: 0.8011 - loss: 0.4516
Epoch 3058/10000
1/1 0s 9ms/step -
accuracy: 0.8011 - loss: 0.4516
Epoch 3059/10000
1/1 0s 9ms/step -
accuracy: 0.8011 - loss: 0.4516
Epoch 3060/10000
1/1 0s 9ms/step -

accuracy: 0.8012 - loss: 0.4516
Epoch 3061/10000
1/1 0s 11ms/step -
accuracy: 0.8012 - loss: 0.4515
Epoch 3062/10000
1/1 0s 13ms/step -
accuracy: 0.8012 - loss: 0.4515
Epoch 3063/10000
1/1 0s 11ms/step -
accuracy: 0.8012 - loss: 0.4515
Epoch 3064/10000
1/1 0s 10ms/step -
accuracy: 0.8012 - loss: 0.4515
Epoch 3065/10000
1/1 0s 13ms/step -
accuracy: 0.8012 - loss: 0.4514
Epoch 3066/10000
1/1 0s 10ms/step -
accuracy: 0.8013 - loss: 0.4514
Epoch 3067/10000
1/1 0s 22ms/step -
accuracy: 0.8013 - loss: 0.4514
Epoch 3068/10000
1/1 0s 23ms/step -
accuracy: 0.8013 - loss: 0.4514
Epoch 3069/10000
1/1 0s 14ms/step -
accuracy: 0.8013 - loss: 0.4513
Epoch 3070/10000
1/1 0s 9ms/step -
accuracy: 0.8013 - loss: 0.4513
Epoch 3071/10000
1/1 0s 9ms/step -
accuracy: 0.8013 - loss: 0.4513
Epoch 3072/10000
1/1 0s 9ms/step -
accuracy: 0.8013 - loss: 0.4512
Epoch 3073/10000
1/1 0s 9ms/step -
accuracy: 0.8013 - loss: 0.4512
Epoch 3074/10000
1/1 0s 9ms/step -
accuracy: 0.8013 - loss: 0.4512
Epoch 3075/10000
1/1 0s 9ms/step -
accuracy: 0.8013 - loss: 0.4512
Epoch 3076/10000
1/1 0s 9ms/step -

```

accuracy: 0.8013 - loss: 0.4511
Epoch 3077/10000
1/1          0s 10ms/step -
accuracy: 0.8013 - loss: 0.4511
Epoch 3078/10000
1/1          0s 11ms/step -
accuracy: 0.8014 - loss: 0.4511
Epoch 3079/10000
1/1          0s 10ms/step -
accuracy: 0.8013 - loss: 0.4511
Epoch 3080/10000
1/1          0s 11ms/step -
accuracy: 0.8013 - loss: 0.4510
Epoch 3081/10000
1/1          0s 11ms/step -
accuracy: 0.8012 - loss: 0.4510
Epoch 3082/10000
1/1          0s 11ms/step -
accuracy: 0.8012 - loss: 0.4510
Epoch 3083/10000
1/1          0s 12ms/step -
accuracy: 0.8012 - loss: 0.4510
Epoch 3084/10000
1/1          0s 11ms/step -
accuracy: 0.8012 - loss: 0.4509
Epoch 3085/10000
1/1          0s 11ms/step -
accuracy: 0.8012 - loss: 0.4509
Epoch 3086/10000
1/1          0s 10ms/step -
accuracy: 0.8013 - loss: 0.4509
Epoch 3087/10000
1/1          0s 10ms/step -
accuracy: 0.8013 - loss: 0.4509
Epoch 3088/10000
1/1          0s 32ms/step -
accuracy: 0.8013 - loss: 0.4508
Epoch 3089/10000
1/1          0s 20ms/step -
accuracy: 0.8013 - loss: 0.4508
Epoch 3090/10000
1/1          0s 9ms/step -
accuracy: 0.8014 - loss: 0.4508
Epoch 3091/10000
1/1          0s 9ms/step -
accuracy: 0.8014 - loss: 0.4508
Epoch 3092/10000
1/1          0s 9ms/step -

```

accuracy: 0.8014 - loss: 0.4507
Epoch 3093/10000
1/1 0s 9ms/step -
accuracy: 0.8014 - loss: 0.4507
Epoch 3094/10000
1/1 0s 9ms/step -
accuracy: 0.8014 - loss: 0.4507
Epoch 3095/10000
1/1 0s 9ms/step -
accuracy: 0.8014 - loss: 0.4506
Epoch 3096/10000
1/1 0s 10ms/step -
accuracy: 0.8015 - loss: 0.4506
Epoch 3097/10000
1/1 0s 9ms/step -
accuracy: 0.8014 - loss: 0.4506
Epoch 3098/10000
1/1 0s 9ms/step -
accuracy: 0.8014 - loss: 0.4506
Epoch 3099/10000
1/1 0s 10ms/step -
accuracy: 0.8014 - loss: 0.4505
Epoch 3100/10000
1/1 0s 9ms/step -
accuracy: 0.8016 - loss: 0.4505
Epoch 3101/10000
1/1 0s 10ms/step -
accuracy: 0.8015 - loss: 0.4505
Epoch 3102/10000
1/1 0s 9ms/step -
accuracy: 0.8015 - loss: 0.4505
Epoch 3103/10000
1/1 0s 18ms/step -
accuracy: 0.8015 - loss: 0.4504
Epoch 3104/10000
1/1 0s 25ms/step -
accuracy: 0.8015 - loss: 0.4504
Epoch 3105/10000
1/1 0s 14ms/step -
accuracy: 0.8015 - loss: 0.4504
Epoch 3106/10000
1/1 0s 10ms/step -
accuracy: 0.8016 - loss: 0.4504
Epoch 3107/10000
1/1 0s 9ms/step -
accuracy: 0.8016 - loss: 0.4503
Epoch 3108/10000
1/1 0s 10ms/step -

accuracy: 0.8016 - loss: 0.4503
Epoch 3109/10000
1/1 0s 10ms/step -
accuracy: 0.8014 - loss: 0.4503
Epoch 3110/10000
1/1 0s 9ms/step -
accuracy: 0.8014 - loss: 0.4503
Epoch 3111/10000
1/1 0s 9ms/step -
accuracy: 0.8014 - loss: 0.4502
Epoch 3112/10000
1/1 0s 9ms/step -
accuracy: 0.8014 - loss: 0.4502
Epoch 3113/10000
1/1 0s 9ms/step -
accuracy: 0.8013 - loss: 0.4502
Epoch 3114/10000
1/1 0s 9ms/step -
accuracy: 0.8013 - loss: 0.4502
Epoch 3115/10000
1/1 0s 9ms/step -
accuracy: 0.8013 - loss: 0.4501
Epoch 3116/10000
1/1 0s 9ms/step -
accuracy: 0.8012 - loss: 0.4501
Epoch 3117/10000
1/1 0s 10ms/step -
accuracy: 0.8012 - loss: 0.4501
Epoch 3118/10000
1/1 0s 9ms/step -
accuracy: 0.8012 - loss: 0.4501
Epoch 3119/10000
1/1 0s 30ms/step -
accuracy: 0.8012 - loss: 0.4500
Epoch 3120/10000
1/1 0s 11ms/step -
accuracy: 0.8012 - loss: 0.4500
Epoch 3121/10000
1/1 0s 11ms/step -
accuracy: 0.8013 - loss: 0.4500
Epoch 3122/10000
1/1 0s 11ms/step -
accuracy: 0.8014 - loss: 0.4499
Epoch 3123/10000
1/1 0s 16ms/step -
accuracy: 0.8017 - loss: 0.4499
Epoch 3124/10000
1/1 0s 36ms/step -

accuracy: 0.8017 - loss: 0.4499
Epoch 3125/10000
1/1 0s 10ms/step -
accuracy: 0.8017 - loss: 0.4499
Epoch 3126/10000
1/1 0s 9ms/step -
accuracy: 0.8017 - loss: 0.4498
Epoch 3127/10000
1/1 0s 9ms/step -
accuracy: 0.8017 - loss: 0.4498
Epoch 3128/10000
1/1 0s 11ms/step -
accuracy: 0.8015 - loss: 0.4498
Epoch 3129/10000
1/1 0s 11ms/step -
accuracy: 0.8015 - loss: 0.4498
Epoch 3130/10000
1/1 0s 11ms/step -
accuracy: 0.8015 - loss: 0.4497
Epoch 3131/10000
1/1 0s 10ms/step -
accuracy: 0.8015 - loss: 0.4497
Epoch 3132/10000
1/1 0s 9ms/step -
accuracy: 0.8015 - loss: 0.4497
Epoch 3133/10000
1/1 0s 27ms/step -
accuracy: 0.8016 - loss: 0.4497
Epoch 3134/10000
1/1 0s 10ms/step -
accuracy: 0.8016 - loss: 0.4496
Epoch 3135/10000
1/1 0s 13ms/step -
accuracy: 0.8016 - loss: 0.4496
Epoch 3136/10000
1/1 0s 10ms/step -
accuracy: 0.8016 - loss: 0.4496
Epoch 3137/10000
1/1 0s 10ms/step -
accuracy: 0.8022 - loss: 0.4496
Epoch 3138/10000
1/1 0s 9ms/step -
accuracy: 0.8022 - loss: 0.4495
Epoch 3139/10000
1/1 0s 10ms/step -
accuracy: 0.8022 - loss: 0.4495
Epoch 3140/10000
1/1 0s 9ms/step -

accuracy: 0.8022 - loss: 0.4495
Epoch 3141/10000
1/1 0s 9ms/step -
accuracy: 0.8022 - loss: 0.4495
Epoch 3142/10000
1/1 0s 9ms/step -
accuracy: 0.8024 - loss: 0.4494
Epoch 3143/10000
1/1 0s 10ms/step -
accuracy: 0.8024 - loss: 0.4494
Epoch 3144/10000
1/1 0s 9ms/step -
accuracy: 0.8024 - loss: 0.4494
Epoch 3145/10000
1/1 0s 27ms/step -
accuracy: 0.8024 - loss: 0.4494
Epoch 3146/10000
1/1 0s 22ms/step -
accuracy: 0.8024 - loss: 0.4493
Epoch 3147/10000
1/1 0s 15ms/step -
accuracy: 0.8023 - loss: 0.4493
Epoch 3148/10000
1/1 0s 9ms/step -
accuracy: 0.8022 - loss: 0.4493
Epoch 3149/10000
1/1 0s 9ms/step -
accuracy: 0.8022 - loss: 0.4493
Epoch 3150/10000
1/1 0s 9ms/step -
accuracy: 0.8018 - loss: 0.4492
Epoch 3151/10000
1/1 0s 10ms/step -
accuracy: 0.8018 - loss: 0.4492
Epoch 3152/10000
1/1 0s 10ms/step -
accuracy: 0.8018 - loss: 0.4492
Epoch 3153/10000
1/1 0s 11ms/step -
accuracy: 0.8018 - loss: 0.4492
Epoch 3154/10000
1/1 0s 10ms/step -
accuracy: 0.8023 - loss: 0.4491
Epoch 3155/10000
1/1 0s 10ms/step -
accuracy: 0.8023 - loss: 0.4491
Epoch 3156/10000
1/1 0s 9ms/step -

accuracy: 0.8023 - loss: 0.4491
Epoch 3157/10000
1/1 0s 10ms/step -
accuracy: 0.8023 - loss: 0.4491
Epoch 3158/10000
1/1 0s 10ms/step -
accuracy: 0.8023 - loss: 0.4490
Epoch 3159/10000
1/1 0s 10ms/step -
accuracy: 0.8023 - loss: 0.4490
Epoch 3160/10000
1/1 0s 20ms/step -
accuracy: 0.8024 - loss: 0.4490
Epoch 3161/10000
1/1 0s 25ms/step -
accuracy: 0.8024 - loss: 0.4490
Epoch 3162/10000
1/1 0s 14ms/step -
accuracy: 0.8024 - loss: 0.4489
Epoch 3163/10000
1/1 0s 10ms/step -
accuracy: 0.8024 - loss: 0.4489
Epoch 3164/10000
1/1 0s 11ms/step -
accuracy: 0.8024 - loss: 0.4489
Epoch 3165/10000
1/1 0s 10ms/step -
accuracy: 0.8024 - loss: 0.4489
Epoch 3166/10000
1/1 0s 10ms/step -
accuracy: 0.8024 - loss: 0.4488
Epoch 3167/10000
1/1 0s 10ms/step -
accuracy: 0.8025 - loss: 0.4488
Epoch 3168/10000
1/1 0s 10ms/step -
accuracy: 0.8025 - loss: 0.4488
Epoch 3169/10000
1/1 0s 10ms/step -
accuracy: 0.8025 - loss: 0.4488
Epoch 3170/10000
1/1 0s 10ms/step -
accuracy: 0.8031 - loss: 0.4487
Epoch 3171/10000
1/1 0s 10ms/step -
accuracy: 0.8031 - loss: 0.4487
Epoch 3172/10000
1/1 0s 10ms/step -

accuracy: 0.8031 - loss: 0.4487
Epoch 3173/10000
1/1 0s 10ms/step -
accuracy: 0.8031 - loss: 0.4487
Epoch 3174/10000
1/1 0s 10ms/step -
accuracy: 0.8031 - loss: 0.4486
Epoch 3175/10000
1/1 0s 10ms/step -
accuracy: 0.8031 - loss: 0.4486
Epoch 3176/10000
1/1 0s 11ms/step -
accuracy: 0.8031 - loss: 0.4486
Epoch 3177/10000
1/1 0s 10ms/step -
accuracy: 0.8031 - loss: 0.4486
Epoch 3178/10000
1/1 0s 11ms/step -
accuracy: 0.8031 - loss: 0.4485
Epoch 3179/10000
1/1 0s 10ms/step -
accuracy: 0.8031 - loss: 0.4485
Epoch 3180/10000
1/1 0s 10ms/step -
accuracy: 0.8031 - loss: 0.4485
Epoch 3181/10000
1/1 0s 21ms/step -
accuracy: 0.8031 - loss: 0.4485
Epoch 3182/10000
1/1 0s 29ms/step -
accuracy: 0.8031 - loss: 0.4484
Epoch 3183/10000
1/1 0s 15ms/step -
accuracy: 0.8032 - loss: 0.4484
Epoch 3184/10000
1/1 0s 10ms/step -
accuracy: 0.8032 - loss: 0.4484
Epoch 3185/10000
1/1 0s 9ms/step -
accuracy: 0.8033 - loss: 0.4484
Epoch 3186/10000
1/1 0s 10ms/step -
accuracy: 0.8033 - loss: 0.4483
Epoch 3187/10000
1/1 0s 10ms/step -
accuracy: 0.8033 - loss: 0.4483
Epoch 3188/10000
1/1 0s 11ms/step -

accuracy: 0.8033 - loss: 0.4483
Epoch 3189/10000
1/1 0s 11ms/step -
accuracy: 0.8033 - loss: 0.4483
Epoch 3190/10000
1/1 0s 11ms/step -
accuracy: 0.8033 - loss: 0.4482
Epoch 3191/10000
1/1 0s 10ms/step -
accuracy: 0.8033 - loss: 0.4482
Epoch 3192/10000
1/1 0s 10ms/step -
accuracy: 0.8033 - loss: 0.4482
Epoch 3193/10000
1/1 0s 10ms/step -
accuracy: 0.8033 - loss: 0.4482
Epoch 3194/10000
1/1 0s 11ms/step -
accuracy: 0.8033 - loss: 0.4481
Epoch 3195/10000
1/1 0s 10ms/step -
accuracy: 0.8033 - loss: 0.4481
Epoch 3196/10000
1/1 0s 9ms/step -
accuracy: 0.8033 - loss: 0.4481
Epoch 3197/10000
1/1 0s 9ms/step -
accuracy: 0.8033 - loss: 0.4481
Epoch 3198/10000
1/1 0s 9ms/step -
accuracy: 0.8034 - loss: 0.4480
Epoch 3199/10000
1/1 0s 9ms/step -
accuracy: 0.8034 - loss: 0.4480
Epoch 3200/10000
1/1 0s 10ms/step -
accuracy: 0.8034 - loss: 0.4480
Epoch 3201/10000
1/1 0s 10ms/step -
accuracy: 0.8034 - loss: 0.4480
Epoch 3202/10000
1/1 0s 25ms/step -
accuracy: 0.8035 - loss: 0.4479
Epoch 3203/10000
1/1 0s 22ms/step -
accuracy: 0.8035 - loss: 0.4479
Epoch 3204/10000
1/1 0s 11ms/step -

accuracy: 0.8035 - loss: 0.4479
Epoch 3205/10000
1/1 0s 9ms/step -
accuracy: 0.8035 - loss: 0.4479
Epoch 3206/10000
1/1 0s 9ms/step -
accuracy: 0.8035 - loss: 0.4478
Epoch 3207/10000
1/1 0s 10ms/step -
accuracy: 0.8035 - loss: 0.4478
Epoch 3208/10000
1/1 0s 10ms/step -
accuracy: 0.8035 - loss: 0.4478
Epoch 3209/10000
1/1 0s 9ms/step -
accuracy: 0.8035 - loss: 0.4478
Epoch 3210/10000
1/1 0s 10ms/step -
accuracy: 0.8034 - loss: 0.4477
Epoch 3211/10000
1/1 0s 10ms/step -
accuracy: 0.8034 - loss: 0.4477
Epoch 3212/10000
1/1 0s 10ms/step -
accuracy: 0.8034 - loss: 0.4477
Epoch 3213/10000
1/1 0s 10ms/step -
accuracy: 0.8034 - loss: 0.4477
Epoch 3214/10000
1/1 0s 11ms/step -
accuracy: 0.8034 - loss: 0.4476
Epoch 3215/10000
1/1 0s 10ms/step -
accuracy: 0.8034 - loss: 0.4476
Epoch 3216/10000
1/1 0s 10ms/step -
accuracy: 0.8034 - loss: 0.4476
Epoch 3217/10000
1/1 0s 10ms/step -
accuracy: 0.8034 - loss: 0.4476
Epoch 3218/10000
1/1 0s 9ms/step -
accuracy: 0.8033 - loss: 0.4475
Epoch 3219/10000
1/1 0s 10ms/step -
accuracy: 0.8033 - loss: 0.4475
Epoch 3220/10000
1/1 0s 10ms/step -

accuracy: 0.8033 - loss: 0.4475
Epoch 3221/10000
1/1 0s 10ms/step -
accuracy: 0.8033 - loss: 0.4475
Epoch 3222/10000
1/1 0s 28ms/step -
accuracy: 0.8037 - loss: 0.4475
Epoch 3223/10000
1/1 0s 24ms/step -
accuracy: 0.8037 - loss: 0.4474
Epoch 3224/10000
1/1 0s 10ms/step -
accuracy: 0.8036 - loss: 0.4474
Epoch 3225/10000
1/1 0s 10ms/step -
accuracy: 0.8036 - loss: 0.4474
Epoch 3226/10000
1/1 0s 10ms/step -
accuracy: 0.8037 - loss: 0.4474
Epoch 3227/10000
1/1 0s 10ms/step -
accuracy: 0.8037 - loss: 0.4473
Epoch 3228/10000
1/1 0s 10ms/step -
accuracy: 0.8037 - loss: 0.4473
Epoch 3229/10000
1/1 0s 11ms/step -
accuracy: 0.8037 - loss: 0.4473
Epoch 3230/10000
1/1 0s 10ms/step -
accuracy: 0.8038 - loss: 0.4473
Epoch 3231/10000
1/1 0s 10ms/step -
accuracy: 0.8038 - loss: 0.4472
Epoch 3232/10000
1/1 0s 10ms/step -
accuracy: 0.8042 - loss: 0.4472
Epoch 3233/10000
1/1 0s 10ms/step -
accuracy: 0.8042 - loss: 0.4472
Epoch 3234/10000
1/1 0s 10ms/step -
accuracy: 0.8043 - loss: 0.4472
Epoch 3235/10000
1/1 0s 11ms/step -
accuracy: 0.8043 - loss: 0.4471
Epoch 3236/10000
1/1 0s 10ms/step -

accuracy: 0.8043 - loss: 0.4471
Epoch 3237/10000
1/1 0s 10ms/step -
accuracy: 0.8043 - loss: 0.4471
Epoch 3238/10000
1/1 0s 9ms/step -
accuracy: 0.8043 - loss: 0.4471
Epoch 3239/10000
1/1 0s 9ms/step -
accuracy: 0.8043 - loss: 0.4470
Epoch 3240/10000
1/1 0s 10ms/step -
accuracy: 0.8043 - loss: 0.4470
Epoch 3241/10000
1/1 0s 10ms/step -
accuracy: 0.8043 - loss: 0.4470
Epoch 3242/10000
1/1 0s 10ms/step -
accuracy: 0.8044 - loss: 0.4470
Epoch 3243/10000
1/1 0s 28ms/step -
accuracy: 0.8043 - loss: 0.4469
Epoch 3244/10000
1/1 0s 24ms/step -
accuracy: 0.8045 - loss: 0.4469
Epoch 3245/10000
1/1 0s 17ms/step -
accuracy: 0.8045 - loss: 0.4469
Epoch 3246/10000
1/1 0s 9ms/step -
accuracy: 0.8044 - loss: 0.4469
Epoch 3247/10000
1/1 0s 10ms/step -
accuracy: 0.8044 - loss: 0.4468
Epoch 3248/10000
1/1 0s 10ms/step -
accuracy: 0.8046 - loss: 0.4468
Epoch 3249/10000
1/1 0s 11ms/step -
accuracy: 0.8046 - loss: 0.4468
Epoch 3250/10000
1/1 0s 10ms/step -
accuracy: 0.8047 - loss: 0.4468
Epoch 3251/10000
1/1 0s 11ms/step -
accuracy: 0.8048 - loss: 0.4468
Epoch 3252/10000
1/1 0s 10ms/step -

accuracy: 0.8048 - loss: 0.4467
Epoch 3253/10000
1/1 0s 10ms/step -
accuracy: 0.8048 - loss: 0.4467
Epoch 3254/10000
1/1 0s 10ms/step -
accuracy: 0.8048 - loss: 0.4467
Epoch 3255/10000
1/1 0s 10ms/step -
accuracy: 0.8048 - loss: 0.4467
Epoch 3256/10000
1/1 0s 10ms/step -
accuracy: 0.8048 - loss: 0.4466
Epoch 3257/10000
1/1 0s 10ms/step -
accuracy: 0.8048 - loss: 0.4466
Epoch 3258/10000
1/1 0s 10ms/step -
accuracy: 0.8050 - loss: 0.4466
Epoch 3259/10000
1/1 0s 11ms/step -
accuracy: 0.8050 - loss: 0.4466
Epoch 3260/10000
1/1 0s 10ms/step -
accuracy: 0.8050 - loss: 0.4465
Epoch 3261/10000
1/1 0s 11ms/step -
accuracy: 0.8050 - loss: 0.4465
Epoch 3262/10000
1/1 0s 11ms/step -
accuracy: 0.8050 - loss: 0.4465
Epoch 3263/10000
1/1 0s 30ms/step -
accuracy: 0.8050 - loss: 0.4465
Epoch 3264/10000
1/1 0s 21ms/step -
accuracy: 0.8049 - loss: 0.4464
Epoch 3265/10000
1/1 0s 11ms/step -
accuracy: 0.8048 - loss: 0.4464
Epoch 3266/10000
1/1 0s 10ms/step -
accuracy: 0.8048 - loss: 0.4464
Epoch 3267/10000
1/1 0s 10ms/step -
accuracy: 0.8048 - loss: 0.4464
Epoch 3268/10000
1/1 0s 10ms/step -

```

accuracy: 0.8048 - loss: 0.4463
Epoch 3269/10000
1/1          0s 10ms/step -
accuracy: 0.8048 - loss: 0.4463
Epoch 3270/10000
1/1          0s 11ms/step -
accuracy: 0.8048 - loss: 0.4463
Epoch 3271/10000
1/1          0s 10ms/step -
accuracy: 0.8050 - loss: 0.4463
Epoch 3272/10000
1/1          0s 9ms/step -
accuracy: 0.8050 - loss: 0.4463
Epoch 3273/10000
1/1          0s 9ms/step -
accuracy: 0.8050 - loss: 0.4462
Epoch 3274/10000
1/1          0s 9ms/step -
accuracy: 0.8050 - loss: 0.4462
Epoch 3275/10000
1/1          0s 10ms/step -
accuracy: 0.8050 - loss: 0.4462
Epoch 3276/10000
1/1          0s 9ms/step -
accuracy: 0.8050 - loss: 0.4462
Epoch 3277/10000
1/1          0s 9ms/step -
accuracy: 0.8050 - loss: 0.4461
Epoch 3278/10000
1/1          0s 9ms/step -
accuracy: 0.8050 - loss: 0.4461
Epoch 3279/10000
1/1          0s 10ms/step -
accuracy: 0.8050 - loss: 0.4461
Epoch 3280/10000
1/1          0s 38ms/step -
accuracy: 0.8050 - loss: 0.4461
Epoch 3281/10000
1/1          0s 15ms/step -
accuracy: 0.8054 - loss: 0.4460
Epoch 3282/10000
1/1          0s 10ms/step -
accuracy: 0.8055 - loss: 0.4460
Epoch 3283/10000
1/1          0s 9ms/step -
accuracy: 0.8055 - loss: 0.4460
Epoch 3284/10000
1/1          0s 9ms/step -

```

accuracy: 0.8055 - loss: 0.4460
Epoch 3285/10000
1/1 0s 11ms/step -
accuracy: 0.8055 - loss: 0.4459
Epoch 3286/10000
1/1 0s 11ms/step -
accuracy: 0.8056 - loss: 0.4459
Epoch 3287/10000
1/1 0s 12ms/step -
accuracy: 0.8056 - loss: 0.4459
Epoch 3288/10000
1/1 0s 14ms/step -
accuracy: 0.8056 - loss: 0.4459
Epoch 3289/10000
1/1 0s 13ms/step -
accuracy: 0.8056 - loss: 0.4458
Epoch 3290/10000
1/1 0s 15ms/step -
accuracy: 0.8056 - loss: 0.4458
Epoch 3291/10000
1/1 0s 15ms/step -
accuracy: 0.8056 - loss: 0.4458
Epoch 3292/10000
1/1 0s 15ms/step -
accuracy: 0.8056 - loss: 0.4458
Epoch 3293/10000
1/1 0s 12ms/step -
accuracy: 0.8056 - loss: 0.4458
Epoch 3294/10000
1/1 0s 14ms/step -
accuracy: 0.8056 - loss: 0.4457
Epoch 3295/10000
1/1 0s 16ms/step -
accuracy: 0.8056 - loss: 0.4457
Epoch 3296/10000
1/1 0s 13ms/step -
accuracy: 0.8056 - loss: 0.4457
Epoch 3297/10000
1/1 0s 14ms/step -
accuracy: 0.8056 - loss: 0.4457
Epoch 3298/10000
1/1 0s 15ms/step -
accuracy: 0.8056 - loss: 0.4456
Epoch 3299/10000
1/1 0s 31ms/step -
accuracy: 0.8057 - loss: 0.4456
Epoch 3300/10000
1/1 0s 16ms/step -

accuracy: 0.8058 - loss: 0.4456
Epoch 3301/10000
1/1 0s 9ms/step -
accuracy: 0.8062 - loss: 0.4456
Epoch 3302/10000
1/1 0s 10ms/step -
accuracy: 0.8062 - loss: 0.4455
Epoch 3303/10000
1/1 0s 10ms/step -
accuracy: 0.8062 - loss: 0.4455
Epoch 3304/10000
1/1 0s 11ms/step -
accuracy: 0.8062 - loss: 0.4455
Epoch 3305/10000
1/1 0s 14ms/step -
accuracy: 0.8062 - loss: 0.4455
Epoch 3306/10000
1/1 0s 12ms/step -
accuracy: 0.8062 - loss: 0.4455
Epoch 3307/10000
1/1 0s 12ms/step -
accuracy: 0.8062 - loss: 0.4454
Epoch 3308/10000
1/1 0s 11ms/step -
accuracy: 0.8063 - loss: 0.4454
Epoch 3309/10000
1/1 0s 12ms/step -
accuracy: 0.8061 - loss: 0.4454
Epoch 3310/10000
1/1 0s 10ms/step -
accuracy: 0.8061 - loss: 0.4454
Epoch 3311/10000
1/1 0s 10ms/step -
accuracy: 0.8061 - loss: 0.4453
Epoch 3312/10000
1/1 0s 9ms/step -
accuracy: 0.8062 - loss: 0.4453
Epoch 3313/10000
1/1 0s 9ms/step -
accuracy: 0.8062 - loss: 0.4453
Epoch 3314/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4453
Epoch 3315/10000
1/1 0s 10ms/step -
accuracy: 0.8063 - loss: 0.4452
Epoch 3316/10000
1/1 0s 10ms/step -

accuracy: 0.8063 - loss: 0.4452
Epoch 3317/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4452
Epoch 3318/10000
1/1 0s 33ms/step -
accuracy: 0.8063 - loss: 0.4452
Epoch 3319/10000
1/1 0s 20ms/step -
accuracy: 0.8063 - loss: 0.4451
Epoch 3320/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4451
Epoch 3321/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4451
Epoch 3322/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4451
Epoch 3323/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4451
Epoch 3324/10000
1/1 0s 17ms/step -
accuracy: 0.8064 - loss: 0.4450
Epoch 3325/10000
1/1 0s 30ms/step -
accuracy: 0.8064 - loss: 0.4450
Epoch 3326/10000
1/1 0s 15ms/step -
accuracy: 0.8064 - loss: 0.4450
Epoch 3327/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4450
Epoch 3328/10000
1/1 0s 9ms/step -
accuracy: 0.8064 - loss: 0.4449
Epoch 3329/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4449
Epoch 3330/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4449
Epoch 3331/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4449
Epoch 3332/10000
1/1 0s 10ms/step -

accuracy: 0.8064 - loss: 0.4448
Epoch 3333/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4448
Epoch 3334/10000
1/1 0s 9ms/step -
accuracy: 0.8064 - loss: 0.4448
Epoch 3335/10000
1/1 0s 9ms/step -
accuracy: 0.8064 - loss: 0.4448
Epoch 3336/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4448
Epoch 3337/10000
1/1 0s 12ms/step -
accuracy: 0.8064 - loss: 0.4447
Epoch 3338/10000
1/1 0s 11ms/step -
accuracy: 0.8064 - loss: 0.4447
Epoch 3339/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4447
Epoch 3340/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4447
Epoch 3341/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4446
Epoch 3342/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4446
Epoch 3343/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4446
Epoch 3344/10000
1/1 0s 21ms/step -
accuracy: 0.8064 - loss: 0.4446
Epoch 3345/10000
1/1 0s 24ms/step -
accuracy: 0.8064 - loss: 0.4446
Epoch 3346/10000
1/1 0s 16ms/step -
accuracy: 0.8064 - loss: 0.4445
Epoch 3347/10000
1/1 0s 9ms/step -
accuracy: 0.8064 - loss: 0.4445
Epoch 3348/10000
1/1 0s 9ms/step -

accuracy: 0.8063 - loss: 0.4445
Epoch 3349/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4445
Epoch 3350/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4444
Epoch 3351/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4444
Epoch 3352/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4444
Epoch 3353/10000
1/1 0s 9ms/step -
accuracy: 0.8062 - loss: 0.4444
Epoch 3354/10000
1/1 0s 9ms/step -
accuracy: 0.8063 - loss: 0.4443
Epoch 3355/10000
1/1 0s 9ms/step -
accuracy: 0.8064 - loss: 0.4443
Epoch 3356/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4443
Epoch 3357/10000
1/1 0s 9ms/step -
accuracy: 0.8065 - loss: 0.4443
Epoch 3358/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4443
Epoch 3359/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4442
Epoch 3360/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4442
Epoch 3361/10000
1/1 0s 9ms/step -
accuracy: 0.8064 - loss: 0.4442
Epoch 3362/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4442
Epoch 3363/10000
1/1 0s 14ms/step -
accuracy: 0.8064 - loss: 0.4441
Epoch 3364/10000
1/1 0s 47ms/step -

accuracy: 0.8064 - loss: 0.4441
Epoch 3365/10000
1/1 0s 20ms/step -
accuracy: 0.8064 - loss: 0.4441
Epoch 3366/10000
1/1 0s 14ms/step -
accuracy: 0.8064 - loss: 0.4441
Epoch 3367/10000
1/1 0s 13ms/step -
accuracy: 0.8064 - loss: 0.4441
Epoch 3368/10000
1/1 0s 13ms/step -
accuracy: 0.8065 - loss: 0.4440
Epoch 3369/10000
1/1 0s 13ms/step -
accuracy: 0.8065 - loss: 0.4440
Epoch 3370/10000
1/1 0s 11ms/step -
accuracy: 0.8065 - loss: 0.4440
Epoch 3371/10000
1/1 0s 12ms/step -
accuracy: 0.8065 - loss: 0.4440
Epoch 3372/10000
1/1 0s 10ms/step -
accuracy: 0.8065 - loss: 0.4439
Epoch 3373/10000
1/1 0s 10ms/step -
accuracy: 0.8066 - loss: 0.4439
Epoch 3374/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4439
Epoch 3375/10000
1/1 0s 27ms/step -
accuracy: 0.8066 - loss: 0.4439
Epoch 3376/10000
1/1 0s 24ms/step -
accuracy: 0.8066 - loss: 0.4438
Epoch 3377/10000
1/1 0s 12ms/step -
accuracy: 0.8066 - loss: 0.4438
Epoch 3378/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4438
Epoch 3379/10000
1/1 0s 10ms/step -
accuracy: 0.8066 - loss: 0.4438
Epoch 3380/10000
1/1 0s 10ms/step -

accuracy: 0.8066 - loss: 0.4438
Epoch 3381/10000
1/1 0s 10ms/step -
accuracy: 0.8066 - loss: 0.4437
Epoch 3382/10000
1/1 0s 10ms/step -
accuracy: 0.8066 - loss: 0.4437
Epoch 3383/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4437
Epoch 3384/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4437
Epoch 3385/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4436
Epoch 3386/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4436
Epoch 3387/10000
1/1 0s 10ms/step -
accuracy: 0.8066 - loss: 0.4436
Epoch 3388/10000
1/1 0s 20ms/step -
accuracy: 0.8066 - loss: 0.4436
Epoch 3389/10000
1/1 0s 29ms/step -
accuracy: 0.8065 - loss: 0.4436
Epoch 3390/10000
1/1 0s 17ms/step -
accuracy: 0.8064 - loss: 0.4435
Epoch 3391/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4435
Epoch 3392/10000
1/1 0s 13ms/step -
accuracy: 0.8064 - loss: 0.4435
Epoch 3393/10000
1/1 0s 14ms/step -
accuracy: 0.8064 - loss: 0.4435
Epoch 3394/10000
1/1 0s 13ms/step -
accuracy: 0.8064 - loss: 0.4434
Epoch 3395/10000
1/1 0s 13ms/step -
accuracy: 0.8064 - loss: 0.4434
Epoch 3396/10000
1/1 0s 13ms/step -

accuracy: 0.8064 - loss: 0.4434
Epoch 3397/10000
1/1 0s 12ms/step -
accuracy: 0.8064 - loss: 0.4434
Epoch 3398/10000
1/1 0s 11ms/step -
accuracy: 0.8064 - loss: 0.4434
Epoch 3399/10000
1/1 0s 10ms/step -
accuracy: 0.8064 - loss: 0.4433
Epoch 3400/10000
1/1 0s 9ms/step -
accuracy: 0.8065 - loss: 0.4433
Epoch 3401/10000
1/1 0s 9ms/step -
accuracy: 0.8065 - loss: 0.4433
Epoch 3402/10000
1/1 0s 9ms/step -
accuracy: 0.8065 - loss: 0.4433
Epoch 3403/10000
1/1 0s 10ms/step -
accuracy: 0.8065 - loss: 0.4432
Epoch 3404/10000
1/1 0s 9ms/step -
accuracy: 0.8065 - loss: 0.4432
Epoch 3405/10000
1/1 0s 9ms/step -
accuracy: 0.8065 - loss: 0.4432
Epoch 3406/10000
1/1 0s 9ms/step -
accuracy: 0.8067 - loss: 0.4432
Epoch 3407/10000
1/1 0s 31ms/step -
accuracy: 0.8067 - loss: 0.4432
Epoch 3408/10000
1/1 0s 21ms/step -
accuracy: 0.8067 - loss: 0.4431
Epoch 3409/10000
1/1 0s 11ms/step -
accuracy: 0.8067 - loss: 0.4431
Epoch 3410/10000
1/1 0s 9ms/step -
accuracy: 0.8067 - loss: 0.4431
Epoch 3411/10000
1/1 0s 9ms/step -
accuracy: 0.8067 - loss: 0.4431
Epoch 3412/10000
1/1 0s 9ms/step -

accuracy: 0.8067 - loss: 0.4430
Epoch 3413/10000
1/1 0s 10ms/step -
accuracy: 0.8067 - loss: 0.4430
Epoch 3414/10000
1/1 0s 10ms/step -
accuracy: 0.8067 - loss: 0.4430
Epoch 3415/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4430
Epoch 3416/10000
1/1 0s 10ms/step -
accuracy: 0.8066 - loss: 0.4430
Epoch 3417/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4429
Epoch 3418/10000
1/1 0s 10ms/step -
accuracy: 0.8066 - loss: 0.4429
Epoch 3419/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4429
Epoch 3420/10000
1/1 0s 9ms/step -
accuracy: 0.8066 - loss: 0.4429
Epoch 3421/10000
1/1 0s 9ms/step -
accuracy: 0.8067 - loss: 0.4428
Epoch 3422/10000
1/1 0s 9ms/step -
accuracy: 0.8067 - loss: 0.4428
Epoch 3423/10000
1/1 0s 9ms/step -
accuracy: 0.8069 - loss: 0.4428
Epoch 3424/10000
1/1 0s 10ms/step -
accuracy: 0.8069 - loss: 0.4428
Epoch 3425/10000
1/1 0s 10ms/step -
accuracy: 0.8069 - loss: 0.4428
Epoch 3426/10000
1/1 0s 29ms/step -
accuracy: 0.8069 - loss: 0.4427
Epoch 3427/10000
1/1 0s 23ms/step -
accuracy: 0.8069 - loss: 0.4427
Epoch 3428/10000
1/1 0s 11ms/step -

accuracy: 0.8069 - loss: 0.4427
Epoch 3429/10000
1/1 0s 11ms/step -
accuracy: 0.8069 - loss: 0.4427
Epoch 3430/10000
1/1 0s 10ms/step -
accuracy: 0.8069 - loss: 0.4427
Epoch 3431/10000
1/1 0s 11ms/step -
accuracy: 0.8069 - loss: 0.4426
Epoch 3432/10000
1/1 0s 13ms/step -
accuracy: 0.8069 - loss: 0.4426
Epoch 3433/10000
1/1 0s 12ms/step -
accuracy: 0.8069 - loss: 0.4426
Epoch 3434/10000
1/1 0s 13ms/step -
accuracy: 0.8069 - loss: 0.4426
Epoch 3435/10000
1/1 0s 15ms/step -
accuracy: 0.8069 - loss: 0.4425
Epoch 3436/10000
1/1 0s 15ms/step -
accuracy: 0.8069 - loss: 0.4425
Epoch 3437/10000
1/1 0s 14ms/step -
accuracy: 0.8069 - loss: 0.4425
Epoch 3438/10000
1/1 0s 11ms/step -
accuracy: 0.8069 - loss: 0.4425
Epoch 3439/10000
1/1 0s 15ms/step -
accuracy: 0.8071 - loss: 0.4425
Epoch 3440/10000
1/1 0s 36ms/step -
accuracy: 0.8071 - loss: 0.4424
Epoch 3441/10000
1/1 0s 16ms/step -
accuracy: 0.8071 - loss: 0.4424
Epoch 3442/10000
1/1 0s 10ms/step -
accuracy: 0.8071 - loss: 0.4424
Epoch 3443/10000
1/1 0s 9ms/step -
accuracy: 0.8071 - loss: 0.4424
Epoch 3444/10000
1/1 0s 9ms/step -

accuracy: 0.8071 - loss: 0.4423
Epoch 3445/10000
1/1 0s 9ms/step -
accuracy: 0.8071 - loss: 0.4423
Epoch 3446/10000
1/1 0s 9ms/step -
accuracy: 0.8072 - loss: 0.4423
Epoch 3447/10000
1/1 0s 10ms/step -
accuracy: 0.8073 - loss: 0.4423
Epoch 3448/10000
1/1 0s 10ms/step -
accuracy: 0.8073 - loss: 0.4423
Epoch 3449/10000
1/1 0s 9ms/step -
accuracy: 0.8073 - loss: 0.4422
Epoch 3450/10000
1/1 0s 10ms/step -
accuracy: 0.8073 - loss: 0.4422
Epoch 3451/10000
1/1 0s 9ms/step -
accuracy: 0.8073 - loss: 0.4422
Epoch 3452/10000
1/1 0s 10ms/step -
accuracy: 0.8074 - loss: 0.4422
Epoch 3453/10000
1/1 0s 10ms/step -
accuracy: 0.8074 - loss: 0.4421
Epoch 3454/10000
1/1 0s 9ms/step -
accuracy: 0.8075 - loss: 0.4421
Epoch 3455/10000
1/1 0s 9ms/step -
accuracy: 0.8075 - loss: 0.4421
Epoch 3456/10000
1/1 0s 9ms/step -
accuracy: 0.8075 - loss: 0.4421
Epoch 3457/10000
1/1 0s 9ms/step -
accuracy: 0.8075 - loss: 0.4421
Epoch 3458/10000
1/1 0s 9ms/step -
accuracy: 0.8075 - loss: 0.4420
Epoch 3459/10000
1/1 0s 10ms/step -
accuracy: 0.8075 - loss: 0.4420
Epoch 3460/10000
1/1 0s 38ms/step -

accuracy: 0.8075 - loss: 0.4420
Epoch 3461/10000
1/1 0s 20ms/step -
accuracy: 0.8075 - loss: 0.4420
Epoch 3462/10000
1/1 0s 10ms/step -
accuracy: 0.8075 - loss: 0.4420
Epoch 3463/10000
1/1 0s 10ms/step -
accuracy: 0.8075 - loss: 0.4419
Epoch 3464/10000
1/1 0s 10ms/step -
accuracy: 0.8079 - loss: 0.4419
Epoch 3465/10000
1/1 0s 10ms/step -
accuracy: 0.8079 - loss: 0.4419
Epoch 3466/10000
1/1 0s 10ms/step -
accuracy: 0.8079 - loss: 0.4419
Epoch 3467/10000
1/1 0s 9ms/step -
accuracy: 0.8079 - loss: 0.4418
Epoch 3468/10000
1/1 0s 9ms/step -
accuracy: 0.8079 - loss: 0.4418
Epoch 3469/10000
1/1 0s 9ms/step -
accuracy: 0.8079 - loss: 0.4418
Epoch 3470/10000
1/1 0s 9ms/step -
accuracy: 0.8079 - loss: 0.4418
Epoch 3471/10000
1/1 0s 10ms/step -
accuracy: 0.8079 - loss: 0.4418
Epoch 3472/10000
1/1 0s 9ms/step -
accuracy: 0.8080 - loss: 0.4417
Epoch 3473/10000
1/1 0s 10ms/step -
accuracy: 0.8080 - loss: 0.4417
Epoch 3474/10000
1/1 0s 9ms/step -
accuracy: 0.8080 - loss: 0.4417
Epoch 3475/10000
1/1 0s 9ms/step -
accuracy: 0.8080 - loss: 0.4417
Epoch 3476/10000
1/1 0s 9ms/step -

accuracy: 0.8080 - loss: 0.4417
Epoch 3477/10000
1/1 0s 9ms/step -
accuracy: 0.8080 - loss: 0.4416
Epoch 3478/10000
1/1 0s 17ms/step -
accuracy: 0.8080 - loss: 0.4416
Epoch 3479/10000
1/1 0s 31ms/step -
accuracy: 0.8080 - loss: 0.4416
Epoch 3480/10000
1/1 0s 13ms/step -
accuracy: 0.8080 - loss: 0.4416
Epoch 3481/10000
1/1 0s 10ms/step -
accuracy: 0.8080 - loss: 0.4415
Epoch 3482/10000
1/1 0s 9ms/step -
accuracy: 0.8080 - loss: 0.4415
Epoch 3483/10000
1/1 0s 9ms/step -
accuracy: 0.8080 - loss: 0.4415
Epoch 3484/10000
1/1 0s 9ms/step -
accuracy: 0.8080 - loss: 0.4415
Epoch 3485/10000
1/1 0s 10ms/step -
accuracy: 0.8080 - loss: 0.4415
Epoch 3486/10000
1/1 0s 10ms/step -
accuracy: 0.8080 - loss: 0.4414
Epoch 3487/10000
1/1 0s 10ms/step -
accuracy: 0.8080 - loss: 0.4414
Epoch 3488/10000
1/1 0s 11ms/step -
accuracy: 0.8080 - loss: 0.4414
Epoch 3489/10000
1/1 0s 10ms/step -
accuracy: 0.8081 - loss: 0.4414
Epoch 3490/10000
1/1 0s 10ms/step -
accuracy: 0.8081 - loss: 0.4414
Epoch 3491/10000
1/1 0s 11ms/step -
accuracy: 0.8081 - loss: 0.4413
Epoch 3492/10000
1/1 0s 11ms/step -

accuracy: 0.8081 - loss: 0.4413
Epoch 3493/10000
1/1 0s 13ms/step -
accuracy: 0.8081 - loss: 0.4413
Epoch 3494/10000
1/1 0s 11ms/step -
accuracy: 0.8081 - loss: 0.4413
Epoch 3495/10000
1/1 0s 12ms/step -
accuracy: 0.8081 - loss: 0.4412
Epoch 3496/10000
1/1 0s 12ms/step -
accuracy: 0.8081 - loss: 0.4412
Epoch 3497/10000
1/1 0s 10ms/step -
accuracy: 0.8082 - loss: 0.4412
Epoch 3498/10000
1/1 0s 23ms/step -
accuracy: 0.8082 - loss: 0.4412
Epoch 3499/10000
1/1 0s 62ms/step -
accuracy: 0.8082 - loss: 0.4412
Epoch 3500/10000
1/1 0s 15ms/step -
accuracy: 0.8083 - loss: 0.4411
Epoch 3501/10000
1/1 0s 13ms/step -
accuracy: 0.8083 - loss: 0.4411
Epoch 3502/10000
1/1 0s 14ms/step -
accuracy: 0.8083 - loss: 0.4411
Epoch 3503/10000
1/1 0s 14ms/step -
accuracy: 0.8083 - loss: 0.4411
Epoch 3504/10000
1/1 0s 14ms/step -
accuracy: 0.8083 - loss: 0.4411
Epoch 3505/10000
1/1 0s 15ms/step -
accuracy: 0.8083 - loss: 0.4410
Epoch 3506/10000
1/1 0s 12ms/step -
accuracy: 0.8083 - loss: 0.4410
Epoch 3507/10000
1/1 0s 11ms/step -
accuracy: 0.8082 - loss: 0.4410
Epoch 3508/10000
1/1 0s 10ms/step -

accuracy: 0.8083 - loss: 0.4410
Epoch 3509/10000
1/1 0s 10ms/step -
accuracy: 0.8083 - loss: 0.4410
Epoch 3510/10000
1/1 0s 9ms/step -
accuracy: 0.8083 - loss: 0.4409
Epoch 3511/10000
1/1 0s 10ms/step -
accuracy: 0.8083 - loss: 0.4409
Epoch 3512/10000
1/1 0s 9ms/step -
accuracy: 0.8082 - loss: 0.4409
Epoch 3513/10000
1/1 0s 9ms/step -
accuracy: 0.8082 - loss: 0.4409
Epoch 3514/10000
1/1 0s 9ms/step -
accuracy: 0.8082 - loss: 0.4408
Epoch 3515/10000
1/1 0s 9ms/step -
accuracy: 0.8082 - loss: 0.4408
Epoch 3516/10000
1/1 0s 9ms/step -
accuracy: 0.8082 - loss: 0.4408
Epoch 3517/10000
1/1 0s 10ms/step -
accuracy: 0.8082 - loss: 0.4408
Epoch 3518/10000
1/1 0s 31ms/step -
accuracy: 0.8082 - loss: 0.4408
Epoch 3519/10000
1/1 0s 25ms/step -
accuracy: 0.8082 - loss: 0.4407
Epoch 3520/10000
1/1 0s 10ms/step -
accuracy: 0.8083 - loss: 0.4407
Epoch 3521/10000
1/1 0s 9ms/step -
accuracy: 0.8083 - loss: 0.4407
Epoch 3522/10000
1/1 0s 9ms/step -
accuracy: 0.8083 - loss: 0.4407
Epoch 3523/10000
1/1 0s 9ms/step -
accuracy: 0.8083 - loss: 0.4407
Epoch 3524/10000
1/1 0s 10ms/step -

```

accuracy: 0.8083 - loss: 0.4406
Epoch 3525/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4406
Epoch 3526/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4406
Epoch 3527/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4406
Epoch 3528/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4406
Epoch 3529/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4405
Epoch 3530/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4405
Epoch 3531/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4405
Epoch 3532/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4405
Epoch 3533/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4404
Epoch 3534/10000
1/1          0s 10ms/step -
accuracy: 0.8083 - loss: 0.4404
Epoch 3535/10000
1/1          0s 9ms/step -
accuracy: 0.8082 - loss: 0.4404
Epoch 3536/10000
1/1          0s 27ms/step -
accuracy: 0.8082 - loss: 0.4404
Epoch 3537/10000
1/1          0s 21ms/step -
accuracy: 0.8083 - loss: 0.4404
Epoch 3538/10000
1/1          0s 12ms/step -
accuracy: 0.8083 - loss: 0.4403
Epoch 3539/10000
1/1          0s 9ms/step -
accuracy: 0.8084 - loss: 0.4403
Epoch 3540/10000
1/1          0s 9ms/step -

```

```

accuracy: 0.8089 - loss: 0.4403
Epoch 3541/10000
1/1          0s 9ms/step -
accuracy: 0.8089 - loss: 0.4403
Epoch 3542/10000
1/1          0s 10ms/step -
accuracy: 0.8089 - loss: 0.4403
Epoch 3543/10000
1/1          0s 10ms/step -
accuracy: 0.8089 - loss: 0.4402
Epoch 3544/10000
1/1          0s 10ms/step -
accuracy: 0.8089 - loss: 0.4402
Epoch 3545/10000
1/1          0s 10ms/step -
accuracy: 0.8089 - loss: 0.4402
Epoch 3546/10000
1/1          0s 9ms/step -
accuracy: 0.8089 - loss: 0.4402
Epoch 3547/10000
1/1          0s 9ms/step -
accuracy: 0.8089 - loss: 0.4402
Epoch 3548/10000
1/1          0s 9ms/step -
accuracy: 0.8089 - loss: 0.4401
Epoch 3549/10000
1/1          0s 10ms/step -
accuracy: 0.8089 - loss: 0.4401
Epoch 3550/10000
1/1          0s 10ms/step -
accuracy: 0.8091 - loss: 0.4401
Epoch 3551/10000
1/1          0s 11ms/step -
accuracy: 0.8088 - loss: 0.4401
Epoch 3552/10000
1/1          0s 12ms/step -
accuracy: 0.8088 - loss: 0.4401
Epoch 3553/10000
1/1          0s 11ms/step -
accuracy: 0.8088 - loss: 0.4400
Epoch 3554/10000
1/1          0s 10ms/step -
accuracy: 0.8088 - loss: 0.4400
Epoch 3555/10000
1/1          0s 10ms/step -
accuracy: 0.8090 - loss: 0.4400
Epoch 3556/10000
1/1          0s 31ms/step -

```

```

accuracy: 0.8090 - loss: 0.4400
Epoch 3557/10000
1/1          0s 22ms/step -
accuracy: 0.8090 - loss: 0.4400
Epoch 3558/10000
1/1          0s 18ms/step -
accuracy: 0.8090 - loss: 0.4399
Epoch 3559/10000
1/1          0s 14ms/step -
accuracy: 0.8090 - loss: 0.4399
Epoch 3560/10000
1/1          0s 12ms/step -
accuracy: 0.8090 - loss: 0.4399
Epoch 3561/10000
1/1          0s 12ms/step -
accuracy: 0.8090 - loss: 0.4399
Epoch 3562/10000
1/1          0s 10ms/step -
accuracy: 0.8090 - loss: 0.4398
Epoch 3563/10000
1/1          0s 10ms/step -
accuracy: 0.8090 - loss: 0.4398
Epoch 3564/10000
1/1          0s 9ms/step -
accuracy: 0.8090 - loss: 0.4398
Epoch 3565/10000
1/1          0s 10ms/step -
accuracy: 0.8090 - loss: 0.4398
Epoch 3566/10000
1/1          0s 10ms/step -
accuracy: 0.8091 - loss: 0.4398
Epoch 3567/10000
1/1          0s 10ms/step -
accuracy: 0.8091 - loss: 0.4397
Epoch 3568/10000
1/1          0s 10ms/step -
accuracy: 0.8091 - loss: 0.4397
Epoch 3569/10000
1/1          0s 10ms/step -
accuracy: 0.8091 - loss: 0.4397
Epoch 3570/10000
1/1          0s 10ms/step -
accuracy: 0.8091 - loss: 0.4397
Epoch 3571/10000
1/1          0s 10ms/step -
accuracy: 0.8091 - loss: 0.4397
Epoch 3572/10000
1/1          0s 10ms/step -

```

accuracy: 0.8091 - loss: 0.4396
Epoch 3573/10000
1/1 0s 10ms/step -
accuracy: 0.8091 - loss: 0.4396
Epoch 3574/10000
1/1 0s 10ms/step -
accuracy: 0.8091 - loss: 0.4396
Epoch 3575/10000
1/1 0s 30ms/step -
accuracy: 0.8091 - loss: 0.4396
Epoch 3576/10000
1/1 0s 23ms/step -
accuracy: 0.8090 - loss: 0.4396
Epoch 3577/10000
1/1 0s 11ms/step -
accuracy: 0.8090 - loss: 0.4395
Epoch 3578/10000
1/1 0s 10ms/step -
accuracy: 0.8090 - loss: 0.4395
Epoch 3579/10000
1/1 0s 10ms/step -
accuracy: 0.8090 - loss: 0.4395
Epoch 3580/10000
1/1 0s 10ms/step -
accuracy: 0.8090 - loss: 0.4395
Epoch 3581/10000
1/1 0s 10ms/step -
accuracy: 0.8090 - loss: 0.4395
Epoch 3582/10000
1/1 0s 10ms/step -
accuracy: 0.8090 - loss: 0.4394
Epoch 3583/10000
1/1 0s 9ms/step -
accuracy: 0.8090 - loss: 0.4394
Epoch 3584/10000
1/1 0s 9ms/step -
accuracy: 0.8091 - loss: 0.4394
Epoch 3585/10000
1/1 0s 9ms/step -
accuracy: 0.8090 - loss: 0.4394
Epoch 3586/10000
1/1 0s 9ms/step -
accuracy: 0.8090 - loss: 0.4394
Epoch 3587/10000
1/1 0s 9ms/step -
accuracy: 0.8090 - loss: 0.4393
Epoch 3588/10000
1/1 0s 10ms/step -

accuracy: 0.8090 - loss: 0.4393
Epoch 3589/10000
1/1 0s 10ms/step -
accuracy: 0.8090 - loss: 0.4393
Epoch 3590/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4393
Epoch 3591/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4393
Epoch 3592/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4392
Epoch 3593/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4392
Epoch 3594/10000
1/1 0s 28ms/step -
accuracy: 0.8090 - loss: 0.4392
Epoch 3595/10000
1/1 0s 24ms/step -
accuracy: 0.8090 - loss: 0.4392
Epoch 3596/10000
1/1 0s 14ms/step -
accuracy: 0.8090 - loss: 0.4392
Epoch 3597/10000
1/1 0s 10ms/step -
accuracy: 0.8090 - loss: 0.4391
Epoch 3598/10000
1/1 0s 10ms/step -
accuracy: 0.8090 - loss: 0.4391
Epoch 3599/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4391
Epoch 3600/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4391
Epoch 3601/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4391
Epoch 3602/10000
1/1 0s 9ms/step -
accuracy: 0.8088 - loss: 0.4390
Epoch 3603/10000
1/1 0s 11ms/step -
accuracy: 0.8089 - loss: 0.4390
Epoch 3604/10000
1/1 0s 10ms/step -

accuracy: 0.8089 - loss: 0.4390
Epoch 3605/10000
1/1 0s 9ms/step -
accuracy: 0.8089 - loss: 0.4390
Epoch 3606/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4390
Epoch 3607/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4389
Epoch 3608/10000
1/1 0s 11ms/step -
accuracy: 0.8089 - loss: 0.4389
Epoch 3609/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4389
Epoch 3610/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4389
Epoch 3611/10000
1/1 0s 10ms/step -
accuracy: 0.8089 - loss: 0.4389
Epoch 3612/10000
1/1 0s 11ms/step -
accuracy: 0.8089 - loss: 0.4388
Epoch 3613/10000
1/1 0s 19ms/step -
accuracy: 0.8089 - loss: 0.4388
Epoch 3614/10000
1/1 0s 28ms/step -
accuracy: 0.8090 - loss: 0.4388
Epoch 3615/10000
1/1 0s 18ms/step -
accuracy: 0.8090 - loss: 0.4388
Epoch 3616/10000
1/1 0s 11ms/step -
accuracy: 0.8090 - loss: 0.4388
Epoch 3617/10000
1/1 0s 11ms/step -
accuracy: 0.8090 - loss: 0.4387
Epoch 3618/10000
1/1 0s 12ms/step -
accuracy: 0.8090 - loss: 0.4387
Epoch 3619/10000
1/1 0s 13ms/step -
accuracy: 0.8091 - loss: 0.4387
Epoch 3620/10000
1/1 0s 13ms/step -

accuracy: 0.8091 - loss: 0.4387
Epoch 3621/10000
1/1 0s 12ms/step -
accuracy: 0.8091 - loss: 0.4387
Epoch 3622/10000
1/1 0s 17ms/step -
accuracy: 0.8091 - loss: 0.4386
Epoch 3623/10000
1/1 0s 15ms/step -
accuracy: 0.8091 - loss: 0.4386
Epoch 3624/10000
1/1 0s 15ms/step -
accuracy: 0.8091 - loss: 0.4386
Epoch 3625/10000
1/1 0s 13ms/step -
accuracy: 0.8091 - loss: 0.4386
Epoch 3626/10000
1/1 0s 15ms/step -
accuracy: 0.8092 - loss: 0.4386
Epoch 3627/10000
1/1 0s 12ms/step -
accuracy: 0.8092 - loss: 0.4385
Epoch 3628/10000
1/1 0s 14ms/step -
accuracy: 0.8092 - loss: 0.4385
Epoch 3629/10000
1/1 0s 15ms/step -
accuracy: 0.8092 - loss: 0.4385
Epoch 3630/10000
1/1 0s 13ms/step -
accuracy: 0.8092 - loss: 0.4385
Epoch 3631/10000
1/1 0s 13ms/step -
accuracy: 0.8092 - loss: 0.4385
Epoch 3632/10000
1/1 0s 50ms/step -
accuracy: 0.8092 - loss: 0.4384
Epoch 3633/10000
1/1 0s 18ms/step -
accuracy: 0.8092 - loss: 0.4384
Epoch 3634/10000
1/1 0s 11ms/step -
accuracy: 0.8092 - loss: 0.4384
Epoch 3635/10000
1/1 0s 10ms/step -
accuracy: 0.8092 - loss: 0.4384
Epoch 3636/10000
1/1 0s 10ms/step -


```

accuracy: 0.8091 - loss: 0.4384
Epoch 3637/10000
1/1          0s 10ms/step -
accuracy: 0.8092 - loss: 0.4383
Epoch 3638/10000
1/1          0s 11ms/step -
accuracy: 0.8092 - loss: 0.4383
Epoch 3639/10000
1/1          0s 10ms/step -
accuracy: 0.8092 - loss: 0.4383
Epoch 3640/10000
1/1          0s 11ms/step -
accuracy: 0.8092 - loss: 0.4383
Epoch 3641/10000
1/1          0s 11ms/step -
accuracy: 0.8092 - loss: 0.4383
Epoch 3642/10000
1/1          0s 10ms/step -
accuracy: 0.8092 - loss: 0.4382
Epoch 3643/10000
1/1          0s 11ms/step -
accuracy: 0.8092 - loss: 0.4382
Epoch 3644/10000
1/1          0s 10ms/step -
accuracy: 0.8092 - loss: 0.4382
Epoch 3645/10000
1/1          0s 10ms/step -
accuracy: 0.8092 - loss: 0.4382
Epoch 3646/10000
1/1          0s 10ms/step -
accuracy: 0.8093 - loss: 0.4382
Epoch 3647/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4381
Epoch 3648/10000
1/1          0s 9ms/step -
accuracy: 0.8094 - loss: 0.4381
Epoch 3649/10000
1/1          0s 9ms/step -
accuracy: 0.8094 - loss: 0.4381
Epoch 3650/10000
1/1          0s 9ms/step -
accuracy: 0.8094 - loss: 0.4381
Epoch 3651/10000
1/1          0s 27ms/step -
accuracy: 0.8094 - loss: 0.4381
Epoch 3652/10000
1/1          0s 24ms/step -

```

```

accuracy: 0.8094 - loss: 0.4380
Epoch 3653/10000
1/1          0s 17ms/step -
accuracy: 0.8094 - loss: 0.4380
Epoch 3654/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4380
Epoch 3655/10000
1/1          0s 9ms/step -
accuracy: 0.8095 - loss: 0.4380
Epoch 3656/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4380
Epoch 3657/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4379
Epoch 3658/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4379
Epoch 3659/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4379
Epoch 3660/10000
1/1          0s 10ms/step -
accuracy: 0.8096 - loss: 0.4379
Epoch 3661/10000
1/1          0s 11ms/step -
accuracy: 0.8096 - loss: 0.4379
Epoch 3662/10000
1/1          0s 10ms/step -
accuracy: 0.8096 - loss: 0.4378
Epoch 3663/10000
1/1          0s 9ms/step -
accuracy: 0.8095 - loss: 0.4378
Epoch 3664/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4378
Epoch 3665/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4378
Epoch 3666/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4378
Epoch 3667/10000
1/1          0s 9ms/step -
accuracy: 0.8095 - loss: 0.4377
Epoch 3668/10000
1/1          0s 10ms/step -

```

```

accuracy: 0.8095 - loss: 0.4377
Epoch 3669/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4377
Epoch 3670/10000
1/1          0s 20ms/step -
accuracy: 0.8095 - loss: 0.4377
Epoch 3671/10000
1/1          0s 30ms/step -
accuracy: 0.8095 - loss: 0.4377
Epoch 3672/10000
1/1          0s 15ms/step -
accuracy: 0.8095 - loss: 0.4376
Epoch 3673/10000
1/1          0s 9ms/step -
accuracy: 0.8095 - loss: 0.4376
Epoch 3674/10000
1/1          0s 9ms/step -
accuracy: 0.8095 - loss: 0.4376
Epoch 3675/10000
1/1          0s 10ms/step -
accuracy: 0.8096 - loss: 0.4376
Epoch 3676/10000
1/1          0s 9ms/step -
accuracy: 0.8096 - loss: 0.4376
Epoch 3677/10000
1/1          0s 9ms/step -
accuracy: 0.8096 - loss: 0.4375
Epoch 3678/10000
1/1          0s 10ms/step -
accuracy: 0.8096 - loss: 0.4375
Epoch 3679/10000
1/1          0s 10ms/step -
accuracy: 0.8096 - loss: 0.4375
Epoch 3680/10000
1/1          0s 10ms/step -
accuracy: 0.8096 - loss: 0.4375
Epoch 3681/10000
1/1          0s 10ms/step -
accuracy: 0.8096 - loss: 0.4375
Epoch 3682/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4374
Epoch 3683/10000
1/1          0s 10ms/step -
accuracy: 0.8095 - loss: 0.4374
Epoch 3684/10000
1/1          0s 10ms/step -

```

accuracy: 0.8095 - loss: 0.4374
Epoch 3685/10000
1/1 0s 10ms/step -
accuracy: 0.8095 - loss: 0.4374
Epoch 3686/10000
1/1 0s 10ms/step -
accuracy: 0.8095 - loss: 0.4374
Epoch 3687/10000
1/1 0s 10ms/step -
accuracy: 0.8095 - loss: 0.4373
Epoch 3688/10000
1/1 0s 10ms/step -
accuracy: 0.8095 - loss: 0.4373
Epoch 3689/10000
1/1 0s 33ms/step -
accuracy: 0.8095 - loss: 0.4373
Epoch 3690/10000
1/1 0s 24ms/step -
accuracy: 0.8095 - loss: 0.4373
Epoch 3691/10000
1/1 0s 10ms/step -
accuracy: 0.8095 - loss: 0.4373
Epoch 3692/10000
1/1 0s 10ms/step -
accuracy: 0.8095 - loss: 0.4373
Epoch 3693/10000
1/1 0s 9ms/step -
accuracy: 0.8096 - loss: 0.4372
Epoch 3694/10000
1/1 0s 9ms/step -
accuracy: 0.8095 - loss: 0.4372
Epoch 3695/10000
1/1 0s 10ms/step -
accuracy: 0.8095 - loss: 0.4372
Epoch 3696/10000
1/1 0s 10ms/step -
accuracy: 0.8100 - loss: 0.4372
Epoch 3697/10000
1/1 0s 10ms/step -
accuracy: 0.8100 - loss: 0.4372
Epoch 3698/10000
1/1 0s 11ms/step -
accuracy: 0.8100 - loss: 0.4371
Epoch 3699/10000
1/1 0s 11ms/step -
accuracy: 0.8100 - loss: 0.4371
Epoch 3700/10000
1/1 0s 10ms/step -

accuracy: 0.8100 - loss: 0.4371
Epoch 3701/10000
1/1 0s 10ms/step -
accuracy: 0.8100 - loss: 0.4371
Epoch 3702/10000
1/1 0s 11ms/step -
accuracy: 0.8100 - loss: 0.4371
Epoch 3703/10000
1/1 0s 10ms/step -
accuracy: 0.8100 - loss: 0.4370
Epoch 3704/10000
1/1 0s 10ms/step -
accuracy: 0.8100 - loss: 0.4370
Epoch 3705/10000
1/1 0s 10ms/step -
accuracy: 0.8100 - loss: 0.4370
Epoch 3706/10000
1/1 0s 10ms/step -
accuracy: 0.8100 - loss: 0.4370
Epoch 3707/10000
1/1 0s 37ms/step -
accuracy: 0.8100 - loss: 0.4370
Epoch 3708/10000
1/1 0s 19ms/step -
accuracy: 0.8100 - loss: 0.4369
Epoch 3709/10000
1/1 0s 12ms/step -
accuracy: 0.8100 - loss: 0.4369
Epoch 3710/10000
1/1 0s 9ms/step -
accuracy: 0.8101 - loss: 0.4369
Epoch 3711/10000
1/1 0s 10ms/step -
accuracy: 0.8101 - loss: 0.4369
Epoch 3712/10000
1/1 0s 10ms/step -
accuracy: 0.8101 - loss: 0.4369
Epoch 3713/10000
1/1 0s 10ms/step -
accuracy: 0.8101 - loss: 0.4368
Epoch 3714/10000
1/1 0s 10ms/step -
accuracy: 0.8101 - loss: 0.4368
Epoch 3715/10000
1/1 0s 10ms/step -
accuracy: 0.8101 - loss: 0.4368
Epoch 3716/10000
1/1 0s 9ms/step -

accuracy: 0.8101 - loss: 0.4368
Epoch 3717/10000
1/1 0s 10ms/step -
accuracy: 0.8102 - loss: 0.4368
Epoch 3718/10000
1/1 0s 9ms/step -
accuracy: 0.8103 - loss: 0.4368
Epoch 3719/10000
1/1 0s 10ms/step -
accuracy: 0.8103 - loss: 0.4367
Epoch 3720/10000
1/1 0s 10ms/step -
accuracy: 0.8103 - loss: 0.4367
Epoch 3721/10000
1/1 0s 10ms/step -
accuracy: 0.8103 - loss: 0.4367
Epoch 3722/10000
1/1 0s 10ms/step -
accuracy: 0.8103 - loss: 0.4367
Epoch 3723/10000
1/1 0s 10ms/step -
accuracy: 0.8103 - loss: 0.4367
Epoch 3724/10000
1/1 0s 10ms/step -
accuracy: 0.8103 - loss: 0.4366
Epoch 3725/10000
1/1 0s 25ms/step -
accuracy: 0.8103 - loss: 0.4366
Epoch 3726/10000
1/1 0s 25ms/step -
accuracy: 0.8104 - loss: 0.4366
Epoch 3727/10000
1/1 0s 18ms/step -
accuracy: 0.8104 - loss: 0.4366
Epoch 3728/10000
1/1 0s 9ms/step -
accuracy: 0.8104 - loss: 0.4366
Epoch 3729/10000
1/1 0s 9ms/step -
accuracy: 0.8104 - loss: 0.4365
Epoch 3730/10000
1/1 0s 9ms/step -
accuracy: 0.8104 - loss: 0.4365
Epoch 3731/10000
1/1 0s 9ms/step -
accuracy: 0.8104 - loss: 0.4365
Epoch 3732/10000
1/1 0s 10ms/step -

accuracy: 0.8104 - loss: 0.4365
Epoch 3733/10000
1/1 0s 10ms/step -
accuracy: 0.8104 - loss: 0.4365
Epoch 3734/10000
1/1 0s 10ms/step -
accuracy: 0.8105 - loss: 0.4364
Epoch 3735/10000
1/1 0s 10ms/step -
accuracy: 0.8106 - loss: 0.4364
Epoch 3736/10000
1/1 0s 10ms/step -
accuracy: 0.8106 - loss: 0.4364
Epoch 3737/10000
1/1 0s 9ms/step -
accuracy: 0.8106 - loss: 0.4364
Epoch 3738/10000
1/1 0s 9ms/step -
accuracy: 0.8106 - loss: 0.4364
Epoch 3739/10000
1/1 0s 9ms/step -
accuracy: 0.8107 - loss: 0.4364
Epoch 3740/10000
1/1 0s 9ms/step -
accuracy: 0.8107 - loss: 0.4363
Epoch 3741/10000
1/1 0s 9ms/step -
accuracy: 0.8107 - loss: 0.4363
Epoch 3742/10000
1/1 0s 10ms/step -
accuracy: 0.8107 - loss: 0.4363
Epoch 3743/10000
1/1 0s 9ms/step -
accuracy: 0.8107 - loss: 0.4363
Epoch 3744/10000
1/1 0s 11ms/step -
accuracy: 0.8107 - loss: 0.4363
Epoch 3745/10000
1/1 0s 35ms/step -
accuracy: 0.8107 - loss: 0.4362
Epoch 3746/10000
1/1 0s 18ms/step -
accuracy: 0.8108 - loss: 0.4362
Epoch 3747/10000
1/1 0s 10ms/step -
accuracy: 0.8108 - loss: 0.4362
Epoch 3748/10000
1/1 0s 9ms/step -

accuracy: 0.8108 - loss: 0.4362
Epoch 3749/10000
1/1 0s 9ms/step -
accuracy: 0.8108 - loss: 0.4362
Epoch 3750/10000
1/1 0s 9ms/step -
accuracy: 0.8108 - loss: 0.4361
Epoch 3751/10000
1/1 0s 10ms/step -
accuracy: 0.8107 - loss: 0.4361
Epoch 3752/10000
1/1 0s 9ms/step -
accuracy: 0.8107 - loss: 0.4361
Epoch 3753/10000
1/1 0s 9ms/step -
accuracy: 0.8107 - loss: 0.4361
Epoch 3754/10000
1/1 0s 9ms/step -
accuracy: 0.8107 - loss: 0.4361
Epoch 3755/10000
1/1 0s 10ms/step -
accuracy: 0.8107 - loss: 0.4360
Epoch 3756/10000
1/1 0s 10ms/step -
accuracy: 0.8106 - loss: 0.4360
Epoch 3757/10000
1/1 0s 10ms/step -
accuracy: 0.8106 - loss: 0.4360
Epoch 3758/10000
1/1 0s 11ms/step -
accuracy: 0.8105 - loss: 0.4360
Epoch 3759/10000
1/1 0s 12ms/step -
accuracy: 0.8105 - loss: 0.4360
Epoch 3760/10000
1/1 0s 10ms/step -
accuracy: 0.8104 - loss: 0.4360
Epoch 3761/10000
1/1 0s 14ms/step -
accuracy: 0.8104 - loss: 0.4359
Epoch 3762/10000
1/1 0s 26ms/step -
accuracy: 0.8104 - loss: 0.4359
Epoch 3763/10000
1/1 0s 27ms/step -
accuracy: 0.8104 - loss: 0.4359
Epoch 3764/10000
1/1 0s 16ms/step -

accuracy: 0.8104 - loss: 0.4359
Epoch 3765/10000
1/1 0s 10ms/step -
accuracy: 0.8104 - loss: 0.4359
Epoch 3766/10000
1/1 0s 10ms/step -
accuracy: 0.8104 - loss: 0.4358
Epoch 3767/10000
1/1 0s 9ms/step -
accuracy: 0.8104 - loss: 0.4358
Epoch 3768/10000
1/1 0s 9ms/step -
accuracy: 0.8104 - loss: 0.4358
Epoch 3769/10000
1/1 0s 10ms/step -
accuracy: 0.8105 - loss: 0.4358
Epoch 3770/10000
1/1 0s 10ms/step -
accuracy: 0.8105 - loss: 0.4358
Epoch 3771/10000
1/1 0s 10ms/step -
accuracy: 0.8105 - loss: 0.4357
Epoch 3772/10000
1/1 0s 9ms/step -
accuracy: 0.8105 - loss: 0.4357
Epoch 3773/10000
1/1 0s 9ms/step -
accuracy: 0.8105 - loss: 0.4357
Epoch 3774/10000
1/1 0s 9ms/step -
accuracy: 0.8106 - loss: 0.4357
Epoch 3775/10000
1/1 0s 9ms/step -
accuracy: 0.8113 - loss: 0.4357
Epoch 3776/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4357
Epoch 3777/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4356
Epoch 3778/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4356
Epoch 3779/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4356
Epoch 3780/10000
1/1 0s 10ms/step -

accuracy: 0.8115 - loss: 0.4356
Epoch 3781/10000
1/1 0s 20ms/step -
accuracy: 0.8115 - loss: 0.4356
Epoch 3782/10000
1/1 0s 31ms/step -
accuracy: 0.8115 - loss: 0.4355
Epoch 3783/10000
1/1 0s 11ms/step -
accuracy: 0.8115 - loss: 0.4355
Epoch 3784/10000
1/1 0s 17ms/step -
accuracy: 0.8114 - loss: 0.4355
Epoch 3785/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4355
Epoch 3786/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4355
Epoch 3787/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4354
Epoch 3788/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4354
Epoch 3789/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4354
Epoch 3790/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4354
Epoch 3791/10000
1/1 0s 9ms/step -
accuracy: 0.8113 - loss: 0.4354
Epoch 3792/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4354
Epoch 3793/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4353
Epoch 3794/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4353
Epoch 3795/10000
1/1 0s 9ms/step -
accuracy: 0.8114 - loss: 0.4353
Epoch 3796/10000
1/1 0s 10ms/step -

accuracy: 0.8114 - loss: 0.4353
Epoch 3797/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4353
Epoch 3798/10000
1/1 0s 18ms/step -
accuracy: 0.8114 - loss: 0.4352
Epoch 3799/10000
1/1 0s 29ms/step -
accuracy: 0.8114 - loss: 0.4352
Epoch 3800/10000
1/1 0s 15ms/step -
accuracy: 0.8114 - loss: 0.4352
Epoch 3801/10000
1/1 0s 9ms/step -
accuracy: 0.8114 - loss: 0.4352
Epoch 3802/10000
1/1 0s 9ms/step -
accuracy: 0.8114 - loss: 0.4352
Epoch 3803/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4352
Epoch 3804/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4351
Epoch 3805/10000
1/1 0s 9ms/step -
accuracy: 0.8114 - loss: 0.4351
Epoch 3806/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4351
Epoch 3807/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4351
Epoch 3808/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4351
Epoch 3809/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4350
Epoch 3810/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4350
Epoch 3811/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4350
Epoch 3812/10000
1/1 0s 10ms/step -

accuracy: 0.8115 - loss: 0.4350
Epoch 3813/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4350
Epoch 3814/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4349
Epoch 3815/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4349
Epoch 3816/10000
1/1 0s 21ms/step -
accuracy: 0.8116 - loss: 0.4349
Epoch 3817/10000
1/1 0s 27ms/step -
accuracy: 0.8116 - loss: 0.4349
Epoch 3818/10000
1/1 0s 17ms/step -
accuracy: 0.8116 - loss: 0.4349
Epoch 3819/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4349
Epoch 3820/10000
1/1 0s 9ms/step -
accuracy: 0.8116 - loss: 0.4348
Epoch 3821/10000
1/1 0s 9ms/step -
accuracy: 0.8114 - loss: 0.4348
Epoch 3822/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4348
Epoch 3823/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4348
Epoch 3824/10000
1/1 0s 9ms/step -
accuracy: 0.8112 - loss: 0.4348
Epoch 3825/10000
1/1 0s 10ms/step -
accuracy: 0.8112 - loss: 0.4347
Epoch 3826/10000
1/1 0s 9ms/step -
accuracy: 0.8112 - loss: 0.4347
Epoch 3827/10000
1/1 0s 10ms/step -
accuracy: 0.8112 - loss: 0.4347
Epoch 3828/10000
1/1 0s 10ms/step -

accuracy: 0.8112 - loss: 0.4347
Epoch 3829/10000
1/1 0s 10ms/step -
accuracy: 0.8112 - loss: 0.4347
Epoch 3830/10000
1/1 0s 11ms/step -
accuracy: 0.8113 - loss: 0.4347
Epoch 3831/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4346
Epoch 3832/10000
1/1 0s 12ms/step -
accuracy: 0.8113 - loss: 0.4346
Epoch 3833/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4346
Epoch 3834/10000
1/1 0s 36ms/step -
accuracy: 0.8113 - loss: 0.4346
Epoch 3835/10000
1/1 0s 15ms/step -
accuracy: 0.8113 - loss: 0.4346
Epoch 3836/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4345
Epoch 3837/10000
1/1 0s 9ms/step -
accuracy: 0.8113 - loss: 0.4345
Epoch 3838/10000
1/1 0s 9ms/step -
accuracy: 0.8113 - loss: 0.4345
Epoch 3839/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4345
Epoch 3840/10000
1/1 0s 10ms/step -
accuracy: 0.8113 - loss: 0.4345
Epoch 3841/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4345
Epoch 3842/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4344
Epoch 3843/10000
1/1 0s 11ms/step -
accuracy: 0.8115 - loss: 0.4344
Epoch 3844/10000
1/1 0s 12ms/step -

accuracy: 0.8115 - loss: 0.4344
Epoch 3845/10000
1/1 0s 12ms/step -
accuracy: 0.8114 - loss: 0.4344
Epoch 3846/10000
1/1 0s 31ms/step -
accuracy: 0.8114 - loss: 0.4344
Epoch 3847/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4343
Epoch 3848/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4343
Epoch 3849/10000
1/1 0s 9ms/step -
accuracy: 0.8114 - loss: 0.4343
Epoch 3850/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4343
Epoch 3851/10000
1/1 0s 44ms/step -
accuracy: 0.8114 - loss: 0.4343
Epoch 3852/10000
1/1 0s 17ms/step -
accuracy: 0.8114 - loss: 0.4343
Epoch 3853/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4342
Epoch 3854/10000
1/1 0s 9ms/step -
accuracy: 0.8114 - loss: 0.4342
Epoch 3855/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4342
Epoch 3856/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4342
Epoch 3857/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4342
Epoch 3858/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4341
Epoch 3859/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4341
Epoch 3860/10000
1/1 0s 10ms/step -

accuracy: 0.8115 - loss: 0.4341
Epoch 3861/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4341
Epoch 3862/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4341
Epoch 3863/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4341
Epoch 3864/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4340
Epoch 3865/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4340
Epoch 3866/10000
1/1 0s 11ms/step -
accuracy: 0.8114 - loss: 0.4340
Epoch 3867/10000
1/1 0s 32ms/step -
accuracy: 0.8114 - loss: 0.4340
Epoch 3868/10000
1/1 0s 16ms/step -
accuracy: 0.8114 - loss: 0.4340
Epoch 3869/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4339
Epoch 3870/10000
1/1 0s 9ms/step -
accuracy: 0.8114 - loss: 0.4339
Epoch 3871/10000
1/1 0s 10ms/step -
accuracy: 0.8114 - loss: 0.4339
Epoch 3872/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4339
Epoch 3873/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4339
Epoch 3874/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4339
Epoch 3875/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4338
Epoch 3876/10000
1/1 0s 10ms/step -

accuracy: 0.8116 - loss: 0.4338
Epoch 3877/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4338
Epoch 3878/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4338
Epoch 3879/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4338
Epoch 3880/10000
1/1 0s 11ms/step -
accuracy: 0.8116 - loss: 0.4338
Epoch 3881/10000
1/1 0s 11ms/step -
accuracy: 0.8116 - loss: 0.4337
Epoch 3882/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4337
Epoch 3883/10000
1/1 0s 22ms/step -
accuracy: 0.8116 - loss: 0.4337
Epoch 3884/10000
1/1 0s 28ms/step -
accuracy: 0.8116 - loss: 0.4337
Epoch 3885/10000
1/1 0s 18ms/step -
accuracy: 0.8116 - loss: 0.4337
Epoch 3886/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4336
Epoch 3887/10000
1/1 0s 25ms/step -
accuracy: 0.8115 - loss: 0.4336
Epoch 3888/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4336
Epoch 3889/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4336
Epoch 3890/10000
1/1 0s 10ms/step -
accuracy: 0.8115 - loss: 0.4336
Epoch 3891/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4336
Epoch 3892/10000
1/1 0s 10ms/step -

accuracy: 0.8116 - loss: 0.4335
Epoch 3893/10000
1/1 0s 9ms/step -
accuracy: 0.8116 - loss: 0.4335
Epoch 3894/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4335
Epoch 3895/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4335
Epoch 3896/10000
1/1 0s 9ms/step -
accuracy: 0.8116 - loss: 0.4335
Epoch 3897/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4334
Epoch 3898/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4334
Epoch 3899/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4334
Epoch 3900/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4334
Epoch 3901/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4334
Epoch 3902/10000
1/1 0s 32ms/step -
accuracy: 0.8117 - loss: 0.4334
Epoch 3903/10000
1/1 0s 20ms/step -
accuracy: 0.8117 - loss: 0.4333
Epoch 3904/10000
1/1 0s 15ms/step -
accuracy: 0.8117 - loss: 0.4333
Epoch 3905/10000
1/1 0s 11ms/step -
accuracy: 0.8117 - loss: 0.4333
Epoch 3906/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4333
Epoch 3907/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4333
Epoch 3908/10000
1/1 0s 10ms/step -

accuracy: 0.8117 - loss: 0.4333
Epoch 3909/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4332
Epoch 3910/10000
1/1 0s 11ms/step -
accuracy: 0.8117 - loss: 0.4332
Epoch 3911/10000
1/1 0s 11ms/step -
accuracy: 0.8117 - loss: 0.4332
Epoch 3912/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4332
Epoch 3913/10000
1/1 0s 21ms/step -
accuracy: 0.8116 - loss: 0.4332
Epoch 3914/10000
1/1 0s 13ms/step -
accuracy: 0.8116 - loss: 0.4331
Epoch 3915/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4331
Epoch 3916/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4331
Epoch 3917/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4331
Epoch 3918/10000
1/1 0s 20ms/step -
accuracy: 0.8116 - loss: 0.4331
Epoch 3919/10000
1/1 0s 26ms/step -
accuracy: 0.8116 - loss: 0.4331
Epoch 3920/10000
1/1 0s 14ms/step -
accuracy: 0.8116 - loss: 0.4330
Epoch 3921/10000
1/1 0s 9ms/step -
accuracy: 0.8116 - loss: 0.4330
Epoch 3922/10000
1/1 0s 9ms/step -
accuracy: 0.8116 - loss: 0.4330
Epoch 3923/10000
1/1 0s 9ms/step -
accuracy: 0.8117 - loss: 0.4330
Epoch 3924/10000
1/1 0s 9ms/step -

accuracy: 0.8117 - loss: 0.4330
Epoch 3925/10000
1/1 0s 9ms/step -
accuracy: 0.8117 - loss: 0.4330
Epoch 3926/10000
1/1 0s 9ms/step -
accuracy: 0.8117 - loss: 0.4329
Epoch 3927/10000
1/1 0s 9ms/step -
accuracy: 0.8117 - loss: 0.4329
Epoch 3928/10000
1/1 0s 9ms/step -
accuracy: 0.8117 - loss: 0.4329
Epoch 3929/10000
1/1 0s 9ms/step -
accuracy: 0.8117 - loss: 0.4329
Epoch 3930/10000
1/1 0s 10ms/step -
accuracy: 0.8117 - loss: 0.4329
Epoch 3931/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4328
Epoch 3932/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4328
Epoch 3933/10000
1/1 0s 9ms/step -
accuracy: 0.8115 - loss: 0.4328
Epoch 3934/10000
1/1 0s 10ms/step -
accuracy: 0.8116 - loss: 0.4328
Epoch 3935/10000
1/1 0s 9ms/step -
accuracy: 0.8117 - loss: 0.4328
Epoch 3936/10000
1/1 0s 18ms/step -
accuracy: 0.8120 - loss: 0.4328
Epoch 3937/10000
1/1 0s 28ms/step -
accuracy: 0.8120 - loss: 0.4327
Epoch 3938/10000
1/1 0s 16ms/step -
accuracy: 0.8120 - loss: 0.4327
Epoch 3939/10000
1/1 0s 11ms/step -
accuracy: 0.8120 - loss: 0.4327
Epoch 3940/10000
1/1 0s 12ms/step -

```

accuracy: 0.8120 - loss: 0.4327
Epoch 3941/10000
1/1          0s 15ms/step -
accuracy: 0.8119 - loss: 0.4327
Epoch 3942/10000
1/1          0s 10ms/step -
accuracy: 0.8119 - loss: 0.4327
Epoch 3943/10000
1/1          0s 10ms/step -
accuracy: 0.8119 - loss: 0.4326
Epoch 3944/10000
1/1          0s 10ms/step -
accuracy: 0.8119 - loss: 0.4326
Epoch 3945/10000
1/1          0s 9ms/step -
accuracy: 0.8119 - loss: 0.4326
Epoch 3946/10000
1/1          0s 10ms/step -
accuracy: 0.8119 - loss: 0.4326
Epoch 3947/10000
1/1          0s 10ms/step -
accuracy: 0.8119 - loss: 0.4326
Epoch 3948/10000
1/1          0s 10ms/step -
accuracy: 0.8119 - loss: 0.4326
Epoch 3949/10000
1/1          0s 9ms/step -
accuracy: 0.8119 - loss: 0.4325
Epoch 3950/10000
1/1          0s 9ms/step -
accuracy: 0.8119 - loss: 0.4325
Epoch 3951/10000
1/1          0s 10ms/step -
accuracy: 0.8119 - loss: 0.4325
Epoch 3952/10000
1/1          0s 10ms/step -
accuracy: 0.8120 - loss: 0.4325
Epoch 3953/10000
1/1          0s 9ms/step -
accuracy: 0.8120 - loss: 0.4325
Epoch 3954/10000
1/1          0s 9ms/step -
accuracy: 0.8120 - loss: 0.4324
Epoch 3955/10000
1/1          0s 28ms/step -
accuracy: 0.8120 - loss: 0.4324
Epoch 3956/10000
1/1          0s 23ms/step -

```

accuracy: 0.8120 - loss: 0.4324
Epoch 3957/10000
1/1 0s 15ms/step -
accuracy: 0.8120 - loss: 0.4324
Epoch 3958/10000
1/1 0s 10ms/step -
accuracy: 0.8119 - loss: 0.4324
Epoch 3959/10000
1/1 0s 9ms/step -
accuracy: 0.8119 - loss: 0.4324
Epoch 3960/10000
1/1 0s 9ms/step -
accuracy: 0.8119 - loss: 0.4323
Epoch 3961/10000
1/1 0s 10ms/step -
accuracy: 0.8119 - loss: 0.4323
Epoch 3962/10000
1/1 0s 9ms/step -
accuracy: 0.8122 - loss: 0.4323
Epoch 3963/10000
1/1 0s 10ms/step -
accuracy: 0.8122 - loss: 0.4323
Epoch 3964/10000
1/1 0s 9ms/step -
accuracy: 0.8122 - loss: 0.4323
Epoch 3965/10000
1/1 0s 9ms/step -
accuracy: 0.8122 - loss: 0.4323
Epoch 3966/10000
1/1 0s 9ms/step -
accuracy: 0.8122 - loss: 0.4322
Epoch 3967/10000
1/1 0s 10ms/step -
accuracy: 0.8122 - loss: 0.4322
Epoch 3968/10000
1/1 0s 10ms/step -
accuracy: 0.8122 - loss: 0.4322
Epoch 3969/10000
1/1 0s 10ms/step -
accuracy: 0.8122 - loss: 0.4322
Epoch 3970/10000
1/1 0s 10ms/step -
accuracy: 0.8122 - loss: 0.4322
Epoch 3971/10000
1/1 0s 10ms/step -
accuracy: 0.8122 - loss: 0.4322
Epoch 3972/10000
1/1 0s 10ms/step -

accuracy: 0.8122 - loss: 0.4321
Epoch 3973/10000
1/1 0s 14ms/step -
accuracy: 0.8122 - loss: 0.4321
Epoch 3974/10000
1/1 0s 34ms/step -
accuracy: 0.8122 - loss: 0.4321
Epoch 3975/10000
1/1 0s 17ms/step -
accuracy: 0.8122 - loss: 0.4321
Epoch 3976/10000
1/1 0s 10ms/step -
accuracy: 0.8122 - loss: 0.4321
Epoch 3977/10000
1/1 0s 9ms/step -
accuracy: 0.8122 - loss: 0.4320
Epoch 3978/10000
1/1 0s 9ms/step -
accuracy: 0.8122 - loss: 0.4320
Epoch 3979/10000
1/1 0s 10ms/step -
accuracy: 0.8122 - loss: 0.4320
Epoch 3980/10000
1/1 0s 9ms/step -
accuracy: 0.8121 - loss: 0.4320
Epoch 3981/10000
1/1 0s 10ms/step -
accuracy: 0.8121 - loss: 0.4320
Epoch 3982/10000
1/1 0s 10ms/step -
accuracy: 0.8121 - loss: 0.4320
Epoch 3983/10000
1/1 0s 9ms/step -
accuracy: 0.8121 - loss: 0.4319
Epoch 3984/10000
1/1 0s 9ms/step -
accuracy: 0.8121 - loss: 0.4319
Epoch 3985/10000
1/1 0s 9ms/step -
accuracy: 0.8121 - loss: 0.4319
Epoch 3986/10000
1/1 0s 10ms/step -
accuracy: 0.8121 - loss: 0.4319
Epoch 3987/10000
1/1 0s 10ms/step -
accuracy: 0.8121 - loss: 0.4319
Epoch 3988/10000
1/1 0s 10ms/step -

accuracy: 0.8121 - loss: 0.4319
Epoch 3989/10000
1/1 0s 10ms/step -
accuracy: 0.8121 - loss: 0.4318
Epoch 3990/10000
1/1 0s 11ms/step -
accuracy: 0.8121 - loss: 0.4318
Epoch 3991/10000
1/1 0s 10ms/step -
accuracy: 0.8121 - loss: 0.4318
Epoch 3992/10000
1/1 0s 49ms/step -
accuracy: 0.8121 - loss: 0.4318
Epoch 3993/10000
1/1 0s 19ms/step -
accuracy: 0.8121 - loss: 0.4318
Epoch 3994/10000
1/1 0s 10ms/step -
accuracy: 0.8121 - loss: 0.4318
Epoch 3995/10000
1/1 0s 9ms/step -
accuracy: 0.8121 - loss: 0.4317
Epoch 3996/10000
1/1 0s 9ms/step -
accuracy: 0.8120 - loss: 0.4317
Epoch 3997/10000
1/1 0s 9ms/step -
accuracy: 0.8120 - loss: 0.4317
Epoch 3998/10000
1/1 0s 10ms/step -
accuracy: 0.8120 - loss: 0.4317
Epoch 3999/10000
1/1 0s 10ms/step -
accuracy: 0.8120 - loss: 0.4317
Epoch 4000/10000
1/1 0s 10ms/step -
accuracy: 0.8120 - loss: 0.4317
Epoch 4001/10000
1/1 0s 10ms/step -
accuracy: 0.8119 - loss: 0.4316
Epoch 4002/10000
1/1 0s 11ms/step -
accuracy: 0.8119 - loss: 0.4316
Epoch 4003/10000
1/1 0s 10ms/step -
accuracy: 0.8119 - loss: 0.4316
Epoch 4004/10000
1/1 0s 10ms/step -

accuracy: 0.8119 - loss: 0.4316
Epoch 4005/10000
1/1 0s 11ms/step -
accuracy: 0.8119 - loss: 0.4316
Epoch 4006/10000
1/1 0s 10ms/step -
accuracy: 0.8119 - loss: 0.4316
Epoch 4007/10000
1/1 0s 10ms/step -
accuracy: 0.8119 - loss: 0.4315
Epoch 4008/10000
1/1 0s 11ms/step -
accuracy: 0.8119 - loss: 0.4315
Epoch 4009/10000
1/1 0s 26ms/step -
accuracy: 0.8119 - loss: 0.4315
Epoch 4010/10000
1/1 0s 51ms/step -
accuracy: 0.8119 - loss: 0.4315
Epoch 4011/10000
1/1 0s 9ms/step -
accuracy: 0.8120 - loss: 0.4315
Epoch 4012/10000
1/1 0s 9ms/step -
accuracy: 0.8121 - loss: 0.4315
Epoch 4013/10000
1/1 0s 10ms/step -
accuracy: 0.8122 - loss: 0.4314
Epoch 4014/10000
1/1 0s 9ms/step -
accuracy: 0.8122 - loss: 0.4314
Epoch 4015/10000
1/1 0s 10ms/step -
accuracy: 0.8123 - loss: 0.4314
Epoch 4016/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4314
Epoch 4017/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4314
Epoch 4018/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4313
Epoch 4019/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4313
Epoch 4020/10000
1/1 0s 10ms/step -

accuracy: 0.8124 - loss: 0.4313
Epoch 4021/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4313
Epoch 4022/10000
1/1 0s 9ms/step -
accuracy: 0.8124 - loss: 0.4313
Epoch 4023/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4313
Epoch 4024/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4312
Epoch 4025/10000
1/1 0s 9ms/step -
accuracy: 0.8124 - loss: 0.4312
Epoch 4026/10000
1/1 0s 13ms/step -
accuracy: 0.8124 - loss: 0.4312
Epoch 4027/10000
1/1 0s 30ms/step -
accuracy: 0.8124 - loss: 0.4312
Epoch 4028/10000
1/1 0s 17ms/step -
accuracy: 0.8124 - loss: 0.4312
Epoch 4029/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4312
Epoch 4030/10000
1/1 0s 9ms/step -
accuracy: 0.8124 - loss: 0.4311
Epoch 4031/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4311
Epoch 4032/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4311
Epoch 4033/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4311
Epoch 4034/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4311
Epoch 4035/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4311
Epoch 4036/10000
1/1 0s 10ms/step -

accuracy: 0.8125 - loss: 0.4310
Epoch 4037/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4310
Epoch 4038/10000
1/1 0s 11ms/step -
accuracy: 0.8125 - loss: 0.4310
Epoch 4039/10000
1/1 0s 14ms/step -
accuracy: 0.8125 - loss: 0.4310
Epoch 4040/10000
1/1 0s 13ms/step -
accuracy: 0.8125 - loss: 0.4310
Epoch 4041/10000
1/1 0s 15ms/step -
accuracy: 0.8125 - loss: 0.4310
Epoch 4042/10000
1/1 0s 25ms/step -
accuracy: 0.8125 - loss: 0.4309
Epoch 4043/10000
1/1 0s 27ms/step -
accuracy: 0.8125 - loss: 0.4309
Epoch 4044/10000
1/1 0s 14ms/step -
accuracy: 0.8125 - loss: 0.4309
Epoch 4045/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4309
Epoch 4046/10000
1/1 0s 13ms/step -
accuracy: 0.8125 - loss: 0.4309
Epoch 4047/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4309
Epoch 4048/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4308
Epoch 4049/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4308
Epoch 4050/10000
1/1 0s 11ms/step -
accuracy: 0.8125 - loss: 0.4308
Epoch 4051/10000
1/1 0s 11ms/step -
accuracy: 0.8125 - loss: 0.4308
Epoch 4052/10000
1/1 0s 10ms/step -

accuracy: 0.8125 - loss: 0.4308
Epoch 4053/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4308
Epoch 4054/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4307
Epoch 4055/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4307
Epoch 4056/10000
1/1 0s 11ms/step -
accuracy: 0.8124 - loss: 0.4307
Epoch 4057/10000
1/1 0s 11ms/step -
accuracy: 0.8124 - loss: 0.4307
Epoch 4058/10000
1/1 0s 10ms/step -
accuracy: 0.8124 - loss: 0.4307
Epoch 4059/10000
1/1 0s 11ms/step -
accuracy: 0.8123 - loss: 0.4307
Epoch 4060/10000
1/1 0s 50ms/step -
accuracy: 0.8123 - loss: 0.4306
Epoch 4061/10000
1/1 0s 20ms/step -
accuracy: 0.8123 - loss: 0.4306
Epoch 4062/10000
1/1 0s 11ms/step -
accuracy: 0.8123 - loss: 0.4306
Epoch 4063/10000
1/1 0s 11ms/step -
accuracy: 0.8123 - loss: 0.4306
Epoch 4064/10000
1/1 0s 10ms/step -
accuracy: 0.8123 - loss: 0.4306
Epoch 4065/10000
1/1 0s 10ms/step -
accuracy: 0.8123 - loss: 0.4306
Epoch 4066/10000
1/1 0s 10ms/step -
accuracy: 0.8126 - loss: 0.4305
Epoch 4067/10000
1/1 0s 10ms/step -
accuracy: 0.8126 - loss: 0.4305
Epoch 4068/10000
1/1 0s 10ms/step -

accuracy: 0.8125 - loss: 0.4305
Epoch 4069/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4305
Epoch 4070/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4305
Epoch 4071/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4305
Epoch 4072/10000
1/1 0s 9ms/step -
accuracy: 0.8125 - loss: 0.4304
Epoch 4073/10000
1/1 0s 10ms/step -
accuracy: 0.8125 - loss: 0.4304
Epoch 4074/10000
1/1 0s 9ms/step -
accuracy: 0.8125 - loss: 0.4304
Epoch 4075/10000
1/1 0s 10ms/step -
accuracy: 0.8126 - loss: 0.4304
Epoch 4076/10000
1/1 0s 10ms/step -
accuracy: 0.8126 - loss: 0.4304
Epoch 4077/10000
1/1 0s 31ms/step -
accuracy: 0.8126 - loss: 0.4304
Epoch 4078/10000
1/1 0s 24ms/step -
accuracy: 0.8126 - loss: 0.4303
Epoch 4079/10000
1/1 0s 10ms/step -
accuracy: 0.8126 - loss: 0.4303
Epoch 4080/10000
1/1 0s 10ms/step -
accuracy: 0.8126 - loss: 0.4303
Epoch 4081/10000
1/1 0s 9ms/step -
accuracy: 0.8127 - loss: 0.4303
Epoch 4082/10000
1/1 0s 10ms/step -
accuracy: 0.8127 - loss: 0.4303
Epoch 4083/10000
1/1 0s 10ms/step -
accuracy: 0.8127 - loss: 0.4303
Epoch 4084/10000
1/1 0s 9ms/step -

accuracy: 0.8127 - loss: 0.4302
Epoch 4085/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4302
Epoch 4086/10000
1/1 0s 12ms/step -
accuracy: 0.8128 - loss: 0.4302
Epoch 4087/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4302
Epoch 4088/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4302
Epoch 4089/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4302
Epoch 4090/10000
1/1 0s 10ms/step -
accuracy: 0.8127 - loss: 0.4301
Epoch 4091/10000
1/1 0s 10ms/step -
accuracy: 0.8127 - loss: 0.4301
Epoch 4092/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4301
Epoch 4093/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4301
Epoch 4094/10000
1/1 0s 31ms/step -
accuracy: 0.8128 - loss: 0.4301
Epoch 4095/10000
1/1 0s 22ms/step -
accuracy: 0.8128 - loss: 0.4301
Epoch 4096/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4300
Epoch 4097/10000
1/1 0s 9ms/step -
accuracy: 0.8128 - loss: 0.4300
Epoch 4098/10000
1/1 0s 9ms/step -
accuracy: 0.8128 - loss: 0.4300
Epoch 4099/10000
1/1 0s 9ms/step -
accuracy: 0.8128 - loss: 0.4300
Epoch 4100/10000
1/1 0s 10ms/step -

accuracy: 0.8128 - loss: 0.4300
Epoch 4101/10000
1/1 0s 10ms/step -
accuracy: 0.8129 - loss: 0.4300
Epoch 4102/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4300
Epoch 4103/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4299
Epoch 4104/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4299
Epoch 4105/10000
1/1 0s 9ms/step -
accuracy: 0.8128 - loss: 0.4299
Epoch 4106/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4299
Epoch 4107/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4299
Epoch 4108/10000
1/1 0s 10ms/step -
accuracy: 0.8128 - loss: 0.4299
Epoch 4109/10000
1/1 0s 14ms/step -
accuracy: 0.8129 - loss: 0.4298
Epoch 4110/10000
1/1 0s 27ms/step -
accuracy: 0.8129 - loss: 0.4298
Epoch 4111/10000
1/1 0s 25ms/step -
accuracy: 0.8130 - loss: 0.4298
Epoch 4112/10000
1/1 0s 13ms/step -
accuracy: 0.8130 - loss: 0.4298
Epoch 4113/10000
1/1 0s 9ms/step -
accuracy: 0.8130 - loss: 0.4298
Epoch 4114/10000
1/1 0s 10ms/step -
accuracy: 0.8130 - loss: 0.4298
Epoch 4115/10000
1/1 0s 10ms/step -
accuracy: 0.8130 - loss: 0.4297
Epoch 4116/10000
1/1 0s 10ms/step -

accuracy: 0.8130 - loss: 0.4297
Epoch 4117/10000
1/1 0s 10ms/step -
accuracy: 0.8130 - loss: 0.4297
Epoch 4118/10000
1/1 0s 10ms/step -
accuracy: 0.8130 - loss: 0.4297
Epoch 4119/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4297
Epoch 4120/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4297
Epoch 4121/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4296
Epoch 4122/10000
1/1 0s 26ms/step -
accuracy: 0.8131 - loss: 0.4296
Epoch 4123/10000
1/1 0s 26ms/step -
accuracy: 0.8131 - loss: 0.4296
Epoch 4124/10000
1/1 0s 11ms/step -
accuracy: 0.8131 - loss: 0.4296
Epoch 4125/10000
1/1 0s 9ms/step -
accuracy: 0.8131 - loss: 0.4296
Epoch 4126/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4296
Epoch 4127/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4295
Epoch 4128/10000
1/1 0s 12ms/step -
accuracy: 0.8128 - loss: 0.4295
Epoch 4129/10000
1/1 0s 14ms/step -
accuracy: 0.8129 - loss: 0.4295
Epoch 4130/10000
1/1 0s 12ms/step -
accuracy: 0.8129 - loss: 0.4295
Epoch 4131/10000
1/1 0s 11ms/step -
accuracy: 0.8129 - loss: 0.4295
Epoch 4132/10000
1/1 0s 11ms/step -

accuracy: 0.8129 - loss: 0.4295
Epoch 4133/10000
1/1 0s 9ms/step -
accuracy: 0.8129 - loss: 0.4294
Epoch 4134/10000
1/1 0s 9ms/step -
accuracy: 0.8129 - loss: 0.4294
Epoch 4135/10000
1/1 0s 10ms/step -
accuracy: 0.8129 - loss: 0.4294
Epoch 4136/10000
1/1 0s 10ms/step -
accuracy: 0.8129 - loss: 0.4294
Epoch 4137/10000
1/1 0s 11ms/step -
accuracy: 0.8130 - loss: 0.4294
Epoch 4138/10000
1/1 0s 10ms/step -
accuracy: 0.8130 - loss: 0.4294
Epoch 4139/10000
1/1 0s 10ms/step -
accuracy: 0.8130 - loss: 0.4293
Epoch 4140/10000
1/1 0s 28ms/step -
accuracy: 0.8130 - loss: 0.4293
Epoch 4141/10000
1/1 0s 22ms/step -
accuracy: 0.8130 - loss: 0.4293
Epoch 4142/10000
1/1 0s 16ms/step -
accuracy: 0.8130 - loss: 0.4293
Epoch 4143/10000
1/1 0s 9ms/step -
accuracy: 0.8131 - loss: 0.4293
Epoch 4144/10000
1/1 0s 9ms/step -
accuracy: 0.8131 - loss: 0.4293
Epoch 4145/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4293
Epoch 4146/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4292
Epoch 4147/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4292
Epoch 4148/10000
1/1 0s 10ms/step -

accuracy: 0.8131 - loss: 0.4292
Epoch 4149/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4292
Epoch 4150/10000
1/1 0s 10ms/step -
accuracy: 0.8131 - loss: 0.4292
Epoch 4151/10000
1/1 0s 10ms/step -
accuracy: 0.8132 - loss: 0.4292
Epoch 4152/10000
1/1 0s 10ms/step -
accuracy: 0.8132 - loss: 0.4291
Epoch 4153/10000
1/1 0s 11ms/step -
accuracy: 0.8132 - loss: 0.4291
Epoch 4154/10000
1/1 0s 10ms/step -
accuracy: 0.8132 - loss: 0.4291
Epoch 4155/10000
1/1 0s 10ms/step -
accuracy: 0.8132 - loss: 0.4291
Epoch 4156/10000
1/1 0s 10ms/step -
accuracy: 0.8132 - loss: 0.4291
Epoch 4157/10000
1/1 0s 10ms/step -
accuracy: 0.8133 - loss: 0.4291
Epoch 4158/10000
1/1 0s 36ms/step -
accuracy: 0.8133 - loss: 0.4290
Epoch 4159/10000
1/1 0s 17ms/step -
accuracy: 0.8133 - loss: 0.4290
Epoch 4160/10000
1/1 0s 16ms/step -
accuracy: 0.8133 - loss: 0.4290
Epoch 4161/10000
1/1 0s 10ms/step -
accuracy: 0.8134 - loss: 0.4290
Epoch 4162/10000
1/1 0s 10ms/step -
accuracy: 0.8134 - loss: 0.4290
Epoch 4163/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4290
Epoch 4164/10000
1/1 0s 10ms/step -

accuracy: 0.8135 - loss: 0.4289
Epoch 4165/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4289
Epoch 4166/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4289
Epoch 4167/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4289
Epoch 4168/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4289
Epoch 4169/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4289
Epoch 4170/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4289
Epoch 4171/10000
1/1 0s 11ms/step -
accuracy: 0.8135 - loss: 0.4288
Epoch 4172/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4288
Epoch 4173/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4288
Epoch 4174/10000
1/1 0s 10ms/step -
accuracy: 0.8135 - loss: 0.4288
Epoch 4175/10000
1/1 0s 20ms/step -
accuracy: 0.8135 - loss: 0.4288
Epoch 4176/10000
1/1 0s 33ms/step -
accuracy: 0.8136 - loss: 0.4288
Epoch 4177/10000
1/1 0s 13ms/step -
accuracy: 0.8137 - loss: 0.4287
Epoch 4178/10000
1/1 0s 11ms/step -
accuracy: 0.8137 - loss: 0.4287
Epoch 4179/10000
1/1 0s 9ms/step -
accuracy: 0.8137 - loss: 0.4287
Epoch 4180/10000
1/1 0s 10ms/step -

accuracy: 0.8137 - loss: 0.4287
Epoch 4181/10000
1/1 0s 9ms/step -
accuracy: 0.8137 - loss: 0.4287
Epoch 4182/10000
1/1 0s 9ms/step -
accuracy: 0.8137 - loss: 0.4287
Epoch 4183/10000
1/1 0s 9ms/step -
accuracy: 0.8137 - loss: 0.4286
Epoch 4184/10000
1/1 0s 9ms/step -
accuracy: 0.8137 - loss: 0.4286
Epoch 4185/10000
1/1 0s 9ms/step -
accuracy: 0.8137 - loss: 0.4286
Epoch 4186/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4286
Epoch 4187/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4286
Epoch 4188/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4286
Epoch 4189/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4285
Epoch 4190/10000
1/1 0s 9ms/step -
accuracy: 0.8137 - loss: 0.4285
Epoch 4191/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4285
Epoch 4192/10000
1/1 0s 9ms/step -
accuracy: 0.8137 - loss: 0.4285
Epoch 4193/10000
1/1 0s 32ms/step -
accuracy: 0.8137 - loss: 0.4285
Epoch 4194/10000
1/1 0s 25ms/step -
accuracy: 0.8137 - loss: 0.4285
Epoch 4195/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4285
Epoch 4196/10000
1/1 0s 10ms/step -

accuracy: 0.8137 - loss: 0.4284
Epoch 4197/10000
1/1 0s 9ms/step -
accuracy: 0.8137 - loss: 0.4284
Epoch 4198/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4284
Epoch 4199/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4284
Epoch 4200/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4284
Epoch 4201/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4284
Epoch 4202/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4283
Epoch 4203/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4283
Epoch 4204/10000
1/1 0s 11ms/step -
accuracy: 0.8137 - loss: 0.4283
Epoch 4205/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4283
Epoch 4206/10000
1/1 0s 10ms/step -
accuracy: 0.8137 - loss: 0.4283
Epoch 4207/10000
1/1 0s 10ms/step -
accuracy: 0.8139 - loss: 0.4283
Epoch 4208/10000
1/1 0s 10ms/step -
accuracy: 0.8139 - loss: 0.4282
Epoch 4209/10000
1/1 0s 10ms/step -
accuracy: 0.8139 - loss: 0.4282
Epoch 4210/10000
1/1 0s 33ms/step -
accuracy: 0.8139 - loss: 0.4282
Epoch 4211/10000
1/1 0s 20ms/step -
accuracy: 0.8140 - loss: 0.4282
Epoch 4212/10000
1/1 0s 10ms/step -

accuracy: 0.8143 - loss: 0.4282
Epoch 4213/10000
1/1 0s 9ms/step -
accuracy: 0.8143 - loss: 0.4282
Epoch 4214/10000
1/1 0s 9ms/step -
accuracy: 0.8143 - loss: 0.4282
Epoch 4215/10000
1/1 0s 9ms/step -
accuracy: 0.8143 - loss: 0.4281
Epoch 4216/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4281
Epoch 4217/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4281
Epoch 4218/10000
1/1 0s 10ms/step -
accuracy: 0.8144 - loss: 0.4281
Epoch 4219/10000
1/1 0s 9ms/step -
accuracy: 0.8143 - loss: 0.4281
Epoch 4220/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4281
Epoch 4221/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4280
Epoch 4222/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4280
Epoch 4223/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4280
Epoch 4224/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4280
Epoch 4225/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4280
Epoch 4226/10000
1/1 0s 35ms/step -
accuracy: 0.8143 - loss: 0.4280
Epoch 4227/10000
1/1 0s 20ms/step -
accuracy: 0.8143 - loss: 0.4279
Epoch 4228/10000
1/1 0s 10ms/step -

accuracy: 0.8143 - loss: 0.4279
Epoch 4229/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4279
Epoch 4230/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4279
Epoch 4231/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4279
Epoch 4232/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4279
Epoch 4233/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4279
Epoch 4234/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4278
Epoch 4235/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4278
Epoch 4236/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4278
Epoch 4237/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4278
Epoch 4238/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4278
Epoch 4239/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4278
Epoch 4240/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4277
Epoch 4241/10000
1/1 0s 20ms/step -
accuracy: 0.8144 - loss: 0.4277
Epoch 4242/10000
1/1 0s 30ms/step -
accuracy: 0.8144 - loss: 0.4277
Epoch 4243/10000
1/1 0s 13ms/step -
accuracy: 0.8144 - loss: 0.4277
Epoch 4244/10000
1/1 0s 12ms/step -

accuracy: 0.8144 - loss: 0.4277
Epoch 4245/10000
1/1 0s 10ms/step -
accuracy: 0.8144 - loss: 0.4277
Epoch 4246/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4277
Epoch 4247/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4276
Epoch 4248/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4276
Epoch 4249/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4276
Epoch 4250/10000
1/1 0s 9ms/step -
accuracy: 0.8143 - loss: 0.4276
Epoch 4251/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4276
Epoch 4252/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4276
Epoch 4253/10000
1/1 0s 9ms/step -
accuracy: 0.8143 - loss: 0.4275
Epoch 4254/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4275
Epoch 4255/10000
1/1 0s 27ms/step -
accuracy: 0.8145 - loss: 0.4275
Epoch 4256/10000
1/1 0s 32ms/step -
accuracy: 0.8145 - loss: 0.4275
Epoch 4257/10000
1/1 0s 18ms/step -
accuracy: 0.8146 - loss: 0.4275
Epoch 4258/10000
1/1 0s 15ms/step -
accuracy: 0.8146 - loss: 0.4275
Epoch 4259/10000
1/1 0s 11ms/step -
accuracy: 0.8146 - loss: 0.4275
Epoch 4260/10000
1/1 0s 10ms/step -

```

accuracy: 0.8146 - loss: 0.4274
Epoch 4261/10000
1/1          0s 9ms/step -
accuracy: 0.8145 - loss: 0.4274
Epoch 4262/10000
1/1          0s 9ms/step -
accuracy: 0.8145 - loss: 0.4274
Epoch 4263/10000
1/1          0s 10ms/step -
accuracy: 0.8145 - loss: 0.4274
Epoch 4264/10000
1/1          0s 10ms/step -
accuracy: 0.8145 - loss: 0.4274
Epoch 4265/10000
1/1          0s 10ms/step -
accuracy: 0.8144 - loss: 0.4274
Epoch 4266/10000
1/1          0s 10ms/step -
accuracy: 0.8144 - loss: 0.4273
Epoch 4267/10000
1/1          0s 10ms/step -
accuracy: 0.8144 - loss: 0.4273
Epoch 4268/10000
1/1          0s 10ms/step -
accuracy: 0.8144 - loss: 0.4273
Epoch 4269/10000
1/1          0s 10ms/step -
accuracy: 0.8144 - loss: 0.4273
Epoch 4270/10000
1/1          0s 10ms/step -
accuracy: 0.8144 - loss: 0.4273
Epoch 4271/10000
1/1          0s 10ms/step -
accuracy: 0.8144 - loss: 0.4273
Epoch 4272/10000
1/1          0s 10ms/step -
accuracy: 0.8144 - loss: 0.4272
Epoch 4273/10000
1/1          0s 31ms/step -
accuracy: 0.8144 - loss: 0.4272
Epoch 4274/10000
1/1          0s 25ms/step -
accuracy: 0.8143 - loss: 0.4272
Epoch 4275/10000
1/1          0s 10ms/step -
accuracy: 0.8143 - loss: 0.4272
Epoch 4276/10000
1/1          0s 9ms/step -

```


accuracy: 0.8143 - loss: 0.4272
Epoch 4277/10000
1/1 0s 9ms/step -
accuracy: 0.8143 - loss: 0.4272
Epoch 4278/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4272
Epoch 4279/10000
1/1 0s 10ms/step -
accuracy: 0.8143 - loss: 0.4271
Epoch 4280/10000
1/1 0s 10ms/step -
accuracy: 0.8145 - loss: 0.4271
Epoch 4281/10000
1/1 0s 10ms/step -
accuracy: 0.8144 - loss: 0.4271
Epoch 4282/10000
1/1 0s 10ms/step -
accuracy: 0.8144 - loss: 0.4271
Epoch 4283/10000
1/1 0s 10ms/step -
accuracy: 0.8144 - loss: 0.4271
Epoch 4284/10000
1/1 0s 10ms/step -
accuracy: 0.8144 - loss: 0.4271
Epoch 4285/10000
1/1 0s 9ms/step -
accuracy: 0.8144 - loss: 0.4270
Epoch 4286/10000
1/1 0s 10ms/step -
accuracy: 0.8144 - loss: 0.4270
Epoch 4287/10000
1/1 0s 9ms/step -
accuracy: 0.8144 - loss: 0.4270
Epoch 4288/10000
1/1 0s 9ms/step -
accuracy: 0.8144 - loss: 0.4270
Epoch 4289/10000
1/1 0s 9ms/step -
accuracy: 0.8144 - loss: 0.4270
Epoch 4290/10000
1/1 0s 35ms/step -
accuracy: 0.8145 - loss: 0.4270
Epoch 4291/10000
1/1 0s 24ms/step -
accuracy: 0.8146 - loss: 0.4270
Epoch 4292/10000
1/1 0s 10ms/step -

```

accuracy: 0.8146 - loss: 0.4269
Epoch 4293/10000
1/1          0s 10ms/step -
accuracy: 0.8146 - loss: 0.4269
Epoch 4294/10000
1/1          0s 10ms/step -
accuracy: 0.8146 - loss: 0.4269
Epoch 4295/10000
1/1          0s 9ms/step -
accuracy: 0.8146 - loss: 0.4269
Epoch 4296/10000
1/1          0s 9ms/step -
accuracy: 0.8147 - loss: 0.4269
Epoch 4297/10000
1/1          0s 10ms/step -
accuracy: 0.8147 - loss: 0.4269
Epoch 4298/10000
1/1          0s 10ms/step -
accuracy: 0.8147 - loss: 0.4269
Epoch 4299/10000
1/1          0s 9ms/step -
accuracy: 0.8147 - loss: 0.4268
Epoch 4300/10000
1/1          0s 10ms/step -
accuracy: 0.8147 - loss: 0.4268
Epoch 4301/10000
1/1          0s 9ms/step -
accuracy: 0.8148 - loss: 0.4268
Epoch 4302/10000
1/1          0s 9ms/step -
accuracy: 0.8148 - loss: 0.4268
Epoch 4303/10000
1/1          0s 9ms/step -
accuracy: 0.8148 - loss: 0.4268
Epoch 4304/10000
1/1          0s 9ms/step -
accuracy: 0.8149 - loss: 0.4268
Epoch 4305/10000
1/1          0s 9ms/step -
accuracy: 0.8149 - loss: 0.4267
Epoch 4306/10000
1/1          0s 15ms/step -
accuracy: 0.8149 - loss: 0.4267
Epoch 4307/10000
1/1          0s 36ms/step -
accuracy: 0.8149 - loss: 0.4267
Epoch 4308/10000
1/1          0s 17ms/step -

```

```

accuracy: 0.8149 - loss: 0.4267
Epoch 4309/10000
1/1          0s 9ms/step -
accuracy: 0.8149 - loss: 0.4267
Epoch 4310/10000
1/1          0s 9ms/step -
accuracy: 0.8149 - loss: 0.4267
Epoch 4311/10000
1/1          0s 9ms/step -
accuracy: 0.8149 - loss: 0.4267
Epoch 4312/10000
1/1          0s 10ms/step -
accuracy: 0.8149 - loss: 0.4266
Epoch 4313/10000
1/1          0s 10ms/step -
accuracy: 0.8149 - loss: 0.4266
Epoch 4314/10000
1/1          0s 10ms/step -
accuracy: 0.8149 - loss: 0.4266
Epoch 4315/10000
1/1          0s 10ms/step -
accuracy: 0.8149 - loss: 0.4266
Epoch 4316/10000
1/1          0s 10ms/step -
accuracy: 0.8149 - loss: 0.4266
Epoch 4317/10000
1/1          0s 10ms/step -
accuracy: 0.8149 - loss: 0.4266
Epoch 4318/10000
1/1          0s 10ms/step -
accuracy: 0.8149 - loss: 0.4265
Epoch 4319/10000
1/1          0s 10ms/step -
accuracy: 0.8149 - loss: 0.4265
Epoch 4320/10000
1/1          0s 9ms/step -
accuracy: 0.8149 - loss: 0.4265
Epoch 4321/10000
1/1          0s 10ms/step -
accuracy: 0.8149 - loss: 0.4265
Epoch 4322/10000
1/1          0s 11ms/step -
accuracy: 0.8149 - loss: 0.4265
Epoch 4323/10000
1/1          0s 9ms/step -
accuracy: 0.8147 - loss: 0.4265
Epoch 4324/10000
1/1          0s 23ms/step -

```

accuracy: 0.8147 - loss: 0.4265
Epoch 4325/10000
1/1 0s 28ms/step -
accuracy: 0.8147 - loss: 0.4264
Epoch 4326/10000
1/1 0s 16ms/step -
accuracy: 0.8147 - loss: 0.4264
Epoch 4327/10000
1/1 0s 10ms/step -
accuracy: 0.8147 - loss: 0.4264
Epoch 4328/10000
1/1 0s 10ms/step -
accuracy: 0.8147 - loss: 0.4264
Epoch 4329/10000
1/1 0s 10ms/step -
accuracy: 0.8147 - loss: 0.4264
Epoch 4330/10000
1/1 0s 10ms/step -
accuracy: 0.8147 - loss: 0.4264
Epoch 4331/10000
1/1 0s 10ms/step -
accuracy: 0.8147 - loss: 0.4263
Epoch 4332/10000
1/1 0s 10ms/step -
accuracy: 0.8148 - loss: 0.4263
Epoch 4333/10000
1/1 0s 10ms/step -
accuracy: 0.8149 - loss: 0.4263
Epoch 4334/10000
1/1 0s 10ms/step -
accuracy: 0.8149 - loss: 0.4263
Epoch 4335/10000
1/1 0s 9ms/step -
accuracy: 0.8149 - loss: 0.4263
Epoch 4336/10000
1/1 0s 10ms/step -
accuracy: 0.8150 - loss: 0.4263
Epoch 4337/10000
1/1 0s 10ms/step -
accuracy: 0.8150 - loss: 0.4263
Epoch 4338/10000
1/1 0s 10ms/step -
accuracy: 0.8150 - loss: 0.4262
Epoch 4339/10000
1/1 0s 9ms/step -
accuracy: 0.8150 - loss: 0.4262
Epoch 4340/10000
1/1 0s 10ms/step -

accuracy: 0.8150 - loss: 0.4262
Epoch 4341/10000
1/1 0s 30ms/step -
accuracy: 0.8150 - loss: 0.4262
Epoch 4342/10000
1/1 0s 21ms/step -
accuracy: 0.8150 - loss: 0.4262
Epoch 4343/10000
1/1 0s 15ms/step -
accuracy: 0.8150 - loss: 0.4262
Epoch 4344/10000
1/1 0s 9ms/step -
accuracy: 0.8150 - loss: 0.4262
Epoch 4345/10000
1/1 0s 9ms/step -
accuracy: 0.8150 - loss: 0.4261
Epoch 4346/10000
1/1 0s 9ms/step -
accuracy: 0.8150 - loss: 0.4261
Epoch 4347/10000
1/1 0s 9ms/step -
accuracy: 0.8149 - loss: 0.4261
Epoch 4348/10000
1/1 0s 10ms/step -
accuracy: 0.8149 - loss: 0.4261
Epoch 4349/10000
1/1 0s 9ms/step -
accuracy: 0.8149 - loss: 0.4261
Epoch 4350/10000
1/1 0s 9ms/step -
accuracy: 0.8149 - loss: 0.4261
Epoch 4351/10000
1/1 0s 10ms/step -
accuracy: 0.8149 - loss: 0.4260
Epoch 4352/10000
1/1 0s 9ms/step -
accuracy: 0.8149 - loss: 0.4260
Epoch 4353/10000
1/1 0s 10ms/step -
accuracy: 0.8149 - loss: 0.4260
Epoch 4354/10000
1/1 0s 9ms/step -
accuracy: 0.8149 - loss: 0.4260
Epoch 4355/10000
1/1 0s 10ms/step -
accuracy: 0.8149 - loss: 0.4260
Epoch 4356/10000
1/1 0s 9ms/step -

accuracy: 0.8150 - loss: 0.4260
Epoch 4357/10000
1/1 0s 9ms/step -
accuracy: 0.8150 - loss: 0.4260
Epoch 4358/10000
1/1 0s 9ms/step -
accuracy: 0.8150 - loss: 0.4259
Epoch 4359/10000
1/1 0s 31ms/step -
accuracy: 0.8150 - loss: 0.4259
Epoch 4360/10000
1/1 0s 19ms/step -
accuracy: 0.8152 - loss: 0.4259
Epoch 4361/10000
1/1 0s 10ms/step -
accuracy: 0.8152 - loss: 0.4259
Epoch 4362/10000
1/1 0s 16ms/step -
accuracy: 0.8152 - loss: 0.4259
Epoch 4363/10000
1/1 0s 10ms/step -
accuracy: 0.8152 - loss: 0.4259
Epoch 4364/10000
1/1 0s 10ms/step -
accuracy: 0.8152 - loss: 0.4259
Epoch 4365/10000
1/1 0s 9ms/step -
accuracy: 0.8152 - loss: 0.4258
Epoch 4366/10000
1/1 0s 10ms/step -
accuracy: 0.8152 - loss: 0.4258
Epoch 4367/10000
1/1 0s 10ms/step -
accuracy: 0.8152 - loss: 0.4258
Epoch 4368/10000
1/1 0s 9ms/step -
accuracy: 0.8152 - loss: 0.4258
Epoch 4369/10000
1/1 0s 9ms/step -
accuracy: 0.8152 - loss: 0.4258
Epoch 4370/10000
1/1 0s 10ms/step -
accuracy: 0.8152 - loss: 0.4258
Epoch 4371/10000
1/1 0s 10ms/step -
accuracy: 0.8152 - loss: 0.4258
Epoch 4372/10000
1/1 0s 10ms/step -

accuracy: 0.8152 - loss: 0.4257
Epoch 4373/10000
1/1 0s 9ms/step -
accuracy: 0.8152 - loss: 0.4257
Epoch 4374/10000
1/1 0s 10ms/step -
accuracy: 0.8152 - loss: 0.4257
Epoch 4375/10000
1/1 0s 9ms/step -
accuracy: 0.8152 - loss: 0.4257
Epoch 4376/10000
1/1 0s 29ms/step -
accuracy: 0.8152 - loss: 0.4257
Epoch 4377/10000
1/1 0s 21ms/step -
accuracy: 0.8152 - loss: 0.4257
Epoch 4378/10000
1/1 0s 11ms/step -
accuracy: 0.8152 - loss: 0.4256
Epoch 4379/10000
1/1 0s 16ms/step -
accuracy: 0.8153 - loss: 0.4256
Epoch 4380/10000
1/1 0s 10ms/step -
accuracy: 0.8153 - loss: 0.4256
Epoch 4381/10000
1/1 0s 10ms/step -
accuracy: 0.8154 - loss: 0.4256
Epoch 4382/10000
1/1 0s 10ms/step -
accuracy: 0.8154 - loss: 0.4256
Epoch 4383/10000
1/1 0s 9ms/step -
accuracy: 0.8154 - loss: 0.4256
Epoch 4384/10000
1/1 0s 9ms/step -
accuracy: 0.8154 - loss: 0.4256
Epoch 4385/10000
1/1 0s 10ms/step -
accuracy: 0.8154 - loss: 0.4255
Epoch 4386/10000
1/1 0s 9ms/step -
accuracy: 0.8154 - loss: 0.4255
Epoch 4387/10000
1/1 0s 10ms/step -
accuracy: 0.8153 - loss: 0.4255
Epoch 4388/10000
1/1 0s 10ms/step -

accuracy: 0.8153 - loss: 0.4255
Epoch 4389/10000
1/1 0s 10ms/step -
accuracy: 0.8153 - loss: 0.4255
Epoch 4390/10000
1/1 0s 10ms/step -
accuracy: 0.8153 - loss: 0.4255
Epoch 4391/10000
1/1 0s 9ms/step -
accuracy: 0.8156 - loss: 0.4255
Epoch 4392/10000
1/1 0s 10ms/step -
accuracy: 0.8156 - loss: 0.4254
Epoch 4393/10000
1/1 0s 10ms/step -
accuracy: 0.8157 - loss: 0.4254
Epoch 4394/10000
1/1 0s 51ms/step -
accuracy: 0.8157 - loss: 0.4254
Epoch 4395/10000
1/1 0s 19ms/step -
accuracy: 0.8158 - loss: 0.4254
Epoch 4396/10000
1/1 0s 12ms/step -
accuracy: 0.8158 - loss: 0.4254
Epoch 4397/10000
1/1 0s 11ms/step -
accuracy: 0.8158 - loss: 0.4254
Epoch 4398/10000
1/1 0s 10ms/step -
accuracy: 0.8159 - loss: 0.4253
Epoch 4399/10000
1/1 0s 10ms/step -
accuracy: 0.8159 - loss: 0.4253
Epoch 4400/10000
1/1 0s 10ms/step -
accuracy: 0.8161 - loss: 0.4253
Epoch 4401/10000
1/1 0s 9ms/step -
accuracy: 0.8161 - loss: 0.4253
Epoch 4402/10000
1/1 0s 10ms/step -
accuracy: 0.8161 - loss: 0.4253
Epoch 4403/10000
1/1 0s 10ms/step -
accuracy: 0.8161 - loss: 0.4253
Epoch 4404/10000
1/1 0s 10ms/step -

accuracy: 0.8161 - loss: 0.4253
Epoch 4405/10000
1/1 0s 10ms/step -
accuracy: 0.8161 - loss: 0.4252
Epoch 4406/10000
1/1 0s 10ms/step -
accuracy: 0.8161 - loss: 0.4252
Epoch 4407/10000
1/1 0s 10ms/step -
accuracy: 0.8160 - loss: 0.4252
Epoch 4408/10000
1/1 0s 10ms/step -
accuracy: 0.8160 - loss: 0.4252
Epoch 4409/10000
1/1 0s 10ms/step -
accuracy: 0.8161 - loss: 0.4252
Epoch 4410/10000
1/1 0s 23ms/step -
accuracy: 0.8162 - loss: 0.4252
Epoch 4411/10000
1/1 0s 25ms/step -
accuracy: 0.8163 - loss: 0.4252
Epoch 4412/10000
1/1 0s 16ms/step -
accuracy: 0.8163 - loss: 0.4251
Epoch 4413/10000
1/1 0s 9ms/step -
accuracy: 0.8163 - loss: 0.4251
Epoch 4414/10000
1/1 0s 9ms/step -
accuracy: 0.8163 - loss: 0.4251
Epoch 4415/10000
1/1 0s 10ms/step -
accuracy: 0.8163 - loss: 0.4251
Epoch 4416/10000
1/1 0s 10ms/step -
accuracy: 0.8163 - loss: 0.4251
Epoch 4417/10000
1/1 0s 10ms/step -
accuracy: 0.8164 - loss: 0.4251
Epoch 4418/10000
1/1 0s 10ms/step -
accuracy: 0.8164 - loss: 0.4251
Epoch 4419/10000
1/1 0s 10ms/step -
accuracy: 0.8164 - loss: 0.4250
Epoch 4420/10000
1/1 0s 10ms/step -

accuracy: 0.8162 - loss: 0.4250
Epoch 4421/10000
1/1 0s 10ms/step -
accuracy: 0.8162 - loss: 0.4250
Epoch 4422/10000
1/1 0s 9ms/step -
accuracy: 0.8162 - loss: 0.4250
Epoch 4423/10000
1/1 0s 10ms/step -
accuracy: 0.8162 - loss: 0.4250
Epoch 4424/10000
1/1 0s 9ms/step -
accuracy: 0.8164 - loss: 0.4250
Epoch 4425/10000
1/1 0s 10ms/step -
accuracy: 0.8164 - loss: 0.4250
Epoch 4426/10000
1/1 0s 17ms/step -
accuracy: 0.8164 - loss: 0.4249
Epoch 4427/10000
1/1 0s 30ms/step -
accuracy: 0.8164 - loss: 0.4249
Epoch 4428/10000
1/1 0s 12ms/step -
accuracy: 0.8165 - loss: 0.4249
Epoch 4429/10000
1/1 0s 12ms/step -
accuracy: 0.8165 - loss: 0.4249
Epoch 4430/10000
1/1 0s 9ms/step -
accuracy: 0.8165 - loss: 0.4249
Epoch 4431/10000
1/1 0s 9ms/step -
accuracy: 0.8165 - loss: 0.4249
Epoch 4432/10000
1/1 0s 9ms/step -
accuracy: 0.8165 - loss: 0.4249
Epoch 4433/10000
1/1 0s 10ms/step -
accuracy: 0.8165 - loss: 0.4248
Epoch 4434/10000
1/1 0s 10ms/step -
accuracy: 0.8165 - loss: 0.4248
Epoch 4435/10000
1/1 0s 10ms/step -
accuracy: 0.8164 - loss: 0.4248
Epoch 4436/10000
1/1 0s 10ms/step -

accuracy: 0.8163 - loss: 0.4248
Epoch 4437/10000
1/1 0s 10ms/step -
accuracy: 0.8163 - loss: 0.4248
Epoch 4438/10000
1/1 0s 10ms/step -
accuracy: 0.8164 - loss: 0.4248
Epoch 4439/10000
1/1 0s 10ms/step -
accuracy: 0.8164 - loss: 0.4247
Epoch 4440/10000
1/1 0s 10ms/step -
accuracy: 0.8164 - loss: 0.4247
Epoch 4441/10000
1/1 0s 9ms/step -
accuracy: 0.8164 - loss: 0.4247
Epoch 4442/10000
1/1 0s 9ms/step -
accuracy: 0.8164 - loss: 0.4247
Epoch 4443/10000
1/1 0s 9ms/step -
accuracy: 0.8164 - loss: 0.4247
Epoch 4444/10000
1/1 0s 16ms/step -
accuracy: 0.8164 - loss: 0.4247
Epoch 4445/10000
1/1 0s 36ms/step -
accuracy: 0.8164 - loss: 0.4247
Epoch 4446/10000
1/1 0s 11ms/step -
accuracy: 0.8164 - loss: 0.4246
Epoch 4447/10000
1/1 0s 13ms/step -
accuracy: 0.8166 - loss: 0.4246
Epoch 4448/10000
1/1 0s 9ms/step -
accuracy: 0.8166 - loss: 0.4246
Epoch 4449/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4246
Epoch 4450/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4246
Epoch 4451/10000
1/1 0s 9ms/step -
accuracy: 0.8167 - loss: 0.4246
Epoch 4452/10000
1/1 0s 9ms/step -

accuracy: 0.8167 - loss: 0.4246
Epoch 4453/10000
1/1 0s 9ms/step -
accuracy: 0.8166 - loss: 0.4245
Epoch 4454/10000
1/1 0s 10ms/step -
accuracy: 0.8166 - loss: 0.4245
Epoch 4455/10000
1/1 0s 10ms/step -
accuracy: 0.8166 - loss: 0.4245
Epoch 4456/10000
1/1 0s 10ms/step -
accuracy: 0.8165 - loss: 0.4245
Epoch 4457/10000
1/1 0s 9ms/step -
accuracy: 0.8165 - loss: 0.4245
Epoch 4458/10000
1/1 0s 10ms/step -
accuracy: 0.8166 - loss: 0.4245
Epoch 4459/10000
1/1 0s 10ms/step -
accuracy: 0.8166 - loss: 0.4245
Epoch 4460/10000
1/1 0s 10ms/step -
accuracy: 0.8166 - loss: 0.4244
Epoch 4461/10000
1/1 0s 10ms/step -
accuracy: 0.8166 - loss: 0.4244
Epoch 4462/10000
1/1 0s 25ms/step -
accuracy: 0.8166 - loss: 0.4244
Epoch 4463/10000
1/1 0s 25ms/step -
accuracy: 0.8167 - loss: 0.4244
Epoch 4464/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4244
Epoch 4465/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4244
Epoch 4466/10000
1/1 0s 12ms/step -
accuracy: 0.8166 - loss: 0.4244
Epoch 4467/10000
1/1 0s 11ms/step -
accuracy: 0.8166 - loss: 0.4243
Epoch 4468/10000
1/1 0s 10ms/step -

```

accuracy: 0.8166 - loss: 0.4243
Epoch 4469/10000
1/1          0s 10ms/step -
accuracy: 0.8166 - loss: 0.4243
Epoch 4470/10000
1/1          0s 10ms/step -
accuracy: 0.8166 - loss: 0.4243
Epoch 4471/10000
1/1          0s 9ms/step -
accuracy: 0.8166 - loss: 0.4243
Epoch 4472/10000
1/1          0s 9ms/step -
accuracy: 0.8166 - loss: 0.4243
Epoch 4473/10000
1/1          0s 9ms/step -
accuracy: 0.8165 - loss: 0.4243
Epoch 4474/10000
1/1          0s 10ms/step -
accuracy: 0.8165 - loss: 0.4242
Epoch 4475/10000
1/1          0s 9ms/step -
accuracy: 0.8165 - loss: 0.4242
Epoch 4476/10000
1/1          0s 9ms/step -
accuracy: 0.8165 - loss: 0.4242
Epoch 4477/10000
1/1          0s 9ms/step -
accuracy: 0.8165 - loss: 0.4242
Epoch 4478/10000
1/1          0s 10ms/step -
accuracy: 0.8165 - loss: 0.4242
Epoch 4479/10000
1/1          0s 9ms/step -
accuracy: 0.8165 - loss: 0.4242
Epoch 4480/10000
1/1          0s 15ms/step -
accuracy: 0.8165 - loss: 0.4242
Epoch 4481/10000
1/1          0s 29ms/step -
accuracy: 0.8166 - loss: 0.4241
Epoch 4482/10000
1/1          0s 16ms/step -
accuracy: 0.8166 - loss: 0.4241
Epoch 4483/10000
1/1          0s 14ms/step -
accuracy: 0.8166 - loss: 0.4241
Epoch 4484/10000
1/1          0s 9ms/step -

```

accuracy: 0.8166 - loss: 0.4241
Epoch 4485/10000
1/1 0s 9ms/step -
accuracy: 0.8166 - loss: 0.4241
Epoch 4486/10000
1/1 0s 10ms/step -
accuracy: 0.8166 - loss: 0.4241
Epoch 4487/10000
1/1 0s 9ms/step -
accuracy: 0.8166 - loss: 0.4241
Epoch 4488/10000
1/1 0s 9ms/step -
accuracy: 0.8166 - loss: 0.4240
Epoch 4489/10000
1/1 0s 9ms/step -
accuracy: 0.8166 - loss: 0.4240
Epoch 4490/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4240
Epoch 4491/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4240
Epoch 4492/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4240
Epoch 4493/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4240
Epoch 4494/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4240
Epoch 4495/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4239
Epoch 4496/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4239
Epoch 4497/10000
1/1 0s 9ms/step -
accuracy: 0.8167 - loss: 0.4239
Epoch 4498/10000
1/1 0s 20ms/step -
accuracy: 0.8167 - loss: 0.4239
Epoch 4499/10000
1/1 0s 29ms/step -
accuracy: 0.8167 - loss: 0.4239
Epoch 4500/10000
1/1 0s 10ms/step -

accuracy: 0.8167 - loss: 0.4239
Epoch 4501/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4239
Epoch 4502/10000
1/1 0s 10ms/step -
accuracy: 0.8167 - loss: 0.4238
Epoch 4503/10000
1/1 0s 16ms/step -
accuracy: 0.8168 - loss: 0.4238
Epoch 4504/10000
1/1 0s 10ms/step -
accuracy: 0.8168 - loss: 0.4238
Epoch 4505/10000
1/1 0s 10ms/step -
accuracy: 0.8168 - loss: 0.4238
Epoch 4506/10000
1/1 0s 10ms/step -
accuracy: 0.8168 - loss: 0.4238
Epoch 4507/10000
1/1 0s 10ms/step -
accuracy: 0.8168 - loss: 0.4238
Epoch 4508/10000
1/1 0s 10ms/step -
accuracy: 0.8168 - loss: 0.4238
Epoch 4509/10000
1/1 0s 10ms/step -
accuracy: 0.8168 - loss: 0.4237
Epoch 4510/10000
1/1 0s 10ms/step -
accuracy: 0.8168 - loss: 0.4237
Epoch 4511/10000
1/1 0s 10ms/step -
accuracy: 0.8171 - loss: 0.4237
Epoch 4512/10000
1/1 0s 9ms/step -
accuracy: 0.8171 - loss: 0.4237
Epoch 4513/10000
1/1 0s 9ms/step -
accuracy: 0.8171 - loss: 0.4237
Epoch 4514/10000
1/1 0s 9ms/step -
accuracy: 0.8171 - loss: 0.4237
Epoch 4515/10000
1/1 0s 10ms/step -
accuracy: 0.8171 - loss: 0.4237
Epoch 4516/10000
1/1 0s 9ms/step -

accuracy: 0.8171 - loss: 0.4236
Epoch 4517/10000
1/1 0s 9ms/step -
accuracy: 0.8171 - loss: 0.4236
Epoch 4518/10000
1/1 0s 16ms/step -
accuracy: 0.8171 - loss: 0.4236
Epoch 4519/10000
1/1 0s 29ms/step -
accuracy: 0.8171 - loss: 0.4236
Epoch 4520/10000
1/1 0s 13ms/step -
accuracy: 0.8171 - loss: 0.4236
Epoch 4521/10000
1/1 0s 10ms/step -
accuracy: 0.8171 - loss: 0.4236
Epoch 4522/10000
1/1 0s 10ms/step -
accuracy: 0.8171 - loss: 0.4236
Epoch 4523/10000
1/1 0s 10ms/step -
accuracy: 0.8171 - loss: 0.4235
Epoch 4524/10000
1/1 0s 16ms/step -
accuracy: 0.8173 - loss: 0.4235
Epoch 4525/10000
1/1 0s 10ms/step -
accuracy: 0.8173 - loss: 0.4235
Epoch 4526/10000
1/1 0s 10ms/step -
accuracy: 0.8173 - loss: 0.4235
Epoch 4527/10000
1/1 0s 10ms/step -
accuracy: 0.8173 - loss: 0.4235
Epoch 4528/10000
1/1 0s 10ms/step -
accuracy: 0.8173 - loss: 0.4235
Epoch 4529/10000
1/1 0s 10ms/step -
accuracy: 0.8173 - loss: 0.4235
Epoch 4530/10000
1/1 0s 10ms/step -
accuracy: 0.8173 - loss: 0.4234
Epoch 4531/10000
1/1 0s 10ms/step -
accuracy: 0.8173 - loss: 0.4234
Epoch 4532/10000
1/1 0s 10ms/step -

accuracy: 0.8173 - loss: 0.4234
Epoch 4533/10000
1/1 0s 10ms/step -
accuracy: 0.8173 - loss: 0.4234
Epoch 4534/10000
1/1 0s 9ms/step -
accuracy: 0.8174 - loss: 0.4234
Epoch 4535/10000
1/1 0s 9ms/step -
accuracy: 0.8175 - loss: 0.4234
Epoch 4536/10000
1/1 0s 10ms/step -
accuracy: 0.8175 - loss: 0.4234
Epoch 4537/10000
1/1 0s 10ms/step -
accuracy: 0.8175 - loss: 0.4233
Epoch 4538/10000
1/1 0s 28ms/step -
accuracy: 0.8175 - loss: 0.4233
Epoch 4539/10000
1/1 0s 22ms/step -
accuracy: 0.8175 - loss: 0.4233
Epoch 4540/10000
1/1 0s 10ms/step -
accuracy: 0.8175 - loss: 0.4233
Epoch 4541/10000
1/1 0s 10ms/step -
accuracy: 0.8176 - loss: 0.4233
Epoch 4542/10000
1/1 0s 10ms/step -
accuracy: 0.8176 - loss: 0.4233
Epoch 4543/10000
1/1 0s 14ms/step -
accuracy: 0.8176 - loss: 0.4233
Epoch 4544/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4232
Epoch 4545/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4232
Epoch 4546/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4232
Epoch 4547/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4232
Epoch 4548/10000
1/1 0s 10ms/step -

accuracy: 0.8177 - loss: 0.4232
Epoch 4549/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4232
Epoch 4550/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4232
Epoch 4551/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4231
Epoch 4552/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4231
Epoch 4553/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4231
Epoch 4554/10000
1/1 0s 10ms/step -
accuracy: 0.8177 - loss: 0.4231
Epoch 4555/10000
1/1 0s 10ms/step -
accuracy: 0.8178 - loss: 0.4231
Epoch 4556/10000
1/1 0s 15ms/step -
accuracy: 0.8178 - loss: 0.4231
Epoch 4557/10000
1/1 0s 30ms/step -
accuracy: 0.8178 - loss: 0.4231
Epoch 4558/10000
1/1 0s 12ms/step -
accuracy: 0.8178 - loss: 0.4230
Epoch 4559/10000
1/1 0s 10ms/step -
accuracy: 0.8178 - loss: 0.4230
Epoch 4560/10000
1/1 0s 10ms/step -
accuracy: 0.8179 - loss: 0.4230
Epoch 4561/10000
1/1 0s 10ms/step -
accuracy: 0.8179 - loss: 0.4230
Epoch 4562/10000
1/1 0s 15ms/step -
accuracy: 0.8179 - loss: 0.4230
Epoch 4563/10000
1/1 0s 10ms/step -
accuracy: 0.8179 - loss: 0.4230
Epoch 4564/10000
1/1 0s 10ms/step -

```

accuracy: 0.8179 - loss: 0.4230
Epoch 4565/10000
1/1          0s 10ms/step -
accuracy: 0.8180 - loss: 0.4230
Epoch 4566/10000
1/1          0s 10ms/step -
accuracy: 0.8180 - loss: 0.4229
Epoch 4567/10000
1/1          0s 10ms/step -
accuracy: 0.8186 - loss: 0.4229
Epoch 4568/10000
1/1          0s 10ms/step -
accuracy: 0.8186 - loss: 0.4229
Epoch 4569/10000
1/1          0s 9ms/step -
accuracy: 0.8186 - loss: 0.4229
Epoch 4570/10000
1/1          0s 10ms/step -
accuracy: 0.8187 - loss: 0.4229
Epoch 4571/10000
1/1          0s 10ms/step -
accuracy: 0.8187 - loss: 0.4229
Epoch 4572/10000
1/1          0s 9ms/step -
accuracy: 0.8187 - loss: 0.4229
Epoch 4573/10000
1/1          0s 10ms/step -
accuracy: 0.8187 - loss: 0.4228
Epoch 4574/10000
1/1          0s 9ms/step -
accuracy: 0.8187 - loss: 0.4228
Epoch 4575/10000
1/1          0s 15ms/step -
accuracy: 0.8187 - loss: 0.4228
Epoch 4576/10000
1/1          0s 35ms/step -
accuracy: 0.8187 - loss: 0.4228
Epoch 4577/10000
1/1          0s 11ms/step -
accuracy: 0.8187 - loss: 0.4228
Epoch 4578/10000
1/1          0s 10ms/step -
accuracy: 0.8187 - loss: 0.4228
Epoch 4579/10000
1/1          0s 11ms/step -
accuracy: 0.8187 - loss: 0.4228
Epoch 4580/10000
1/1          0s 17ms/step -

```

accuracy: 0.8188 - loss: 0.4227
Epoch 4581/10000
1/1 0s 11ms/step -
accuracy: 0.8188 - loss: 0.4227
Epoch 4582/10000
1/1 0s 21ms/step -
accuracy: 0.8188 - loss: 0.4227
Epoch 4583/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4227
Epoch 4584/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4227
Epoch 4585/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4227
Epoch 4586/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4227
Epoch 4587/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4226
Epoch 4588/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4226
Epoch 4589/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4226
Epoch 4590/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4226
Epoch 4591/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4226
Epoch 4592/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4226
Epoch 4593/10000
1/1 0s 15ms/step -
accuracy: 0.8188 - loss: 0.4226
Epoch 4594/10000
1/1 0s 38ms/step -
accuracy: 0.8188 - loss: 0.4225
Epoch 4595/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4225
Epoch 4596/10000
1/1 0s 24ms/step -

accuracy: 0.8187 - loss: 0.4225
Epoch 4597/10000
1/1 0s 16ms/step -
accuracy: 0.8187 - loss: 0.4225
Epoch 4598/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4225
Epoch 4599/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4225
Epoch 4600/10000
1/1 0s 9ms/step -
accuracy: 0.8187 - loss: 0.4225
Epoch 4601/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4225
Epoch 4602/10000
1/1 0s 11ms/step -
accuracy: 0.8187 - loss: 0.4224
Epoch 4603/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4224
Epoch 4604/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4224
Epoch 4605/10000
1/1 0s 11ms/step -
accuracy: 0.8187 - loss: 0.4224
Epoch 4606/10000
1/1 0s 11ms/step -
accuracy: 0.8187 - loss: 0.4224
Epoch 4607/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4224
Epoch 4608/10000
1/1 0s 11ms/step -
accuracy: 0.8187 - loss: 0.4224
Epoch 4609/10000
1/1 0s 11ms/step -
accuracy: 0.8187 - loss: 0.4223
Epoch 4610/10000
1/1 0s 11ms/step -
accuracy: 0.8187 - loss: 0.4223
Epoch 4611/10000
1/1 0s 28ms/step -
accuracy: 0.8187 - loss: 0.4223
Epoch 4612/10000
1/1 0s 23ms/step -

accuracy: 0.8187 - loss: 0.4223
Epoch 4613/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4223
Epoch 4614/10000
1/1 0s 17ms/step -
accuracy: 0.8187 - loss: 0.4223
Epoch 4615/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4223
Epoch 4616/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4222
Epoch 4617/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4222
Epoch 4618/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4222
Epoch 4619/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4222
Epoch 4620/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4222
Epoch 4621/10000
1/1 0s 9ms/step -
accuracy: 0.8187 - loss: 0.4222
Epoch 4622/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4222
Epoch 4623/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4221
Epoch 4624/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4221
Epoch 4625/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4221
Epoch 4626/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4221
Epoch 4627/10000
1/1 0s 9ms/step -
accuracy: 0.8187 - loss: 0.4221
Epoch 4628/10000
1/1 0s 26ms/step -

accuracy: 0.8187 - loss: 0.4221
Epoch 4629/10000
1/1 0s 24ms/step -
accuracy: 0.8187 - loss: 0.4221
Epoch 4630/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4221
Epoch 4631/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4220
Epoch 4632/10000
1/1 0s 14ms/step -
accuracy: 0.8187 - loss: 0.4220
Epoch 4633/10000
1/1 0s 12ms/step -
accuracy: 0.8187 - loss: 0.4220
Epoch 4634/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4220
Epoch 4635/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4220
Epoch 4636/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4220
Epoch 4637/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4220
Epoch 4638/10000
1/1 0s 9ms/step -
accuracy: 0.8187 - loss: 0.4219
Epoch 4639/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4219
Epoch 4640/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4219
Epoch 4641/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4219
Epoch 4642/10000
1/1 0s 9ms/step -
accuracy: 0.8187 - loss: 0.4219
Epoch 4643/10000
1/1 0s 9ms/step -
accuracy: 0.8187 - loss: 0.4219
Epoch 4644/10000
1/1 0s 10ms/step -

accuracy: 0.8187 - loss: 0.4219
Epoch 4645/10000
1/1 0s 10ms/step -
accuracy: 0.8186 - loss: 0.4218
Epoch 4646/10000
1/1 0s 18ms/step -
accuracy: 0.8186 - loss: 0.4218
Epoch 4647/10000
1/1 0s 30ms/step -
accuracy: 0.8186 - loss: 0.4218
Epoch 4648/10000
1/1 0s 17ms/step -
accuracy: 0.8185 - loss: 0.4218
Epoch 4649/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4218
Epoch 4650/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4218
Epoch 4651/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4218
Epoch 4652/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4218
Epoch 4653/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4217
Epoch 4654/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4217
Epoch 4655/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4217
Epoch 4656/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4217
Epoch 4657/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4217
Epoch 4658/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4217
Epoch 4659/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4217
Epoch 4660/10000
1/1 0s 10ms/step -

accuracy: 0.8185 - loss: 0.4216
Epoch 4661/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4216
Epoch 4662/10000
1/1 0s 45ms/step -
accuracy: 0.8185 - loss: 0.4216
Epoch 4663/10000
1/1 0s 34ms/step -
accuracy: 0.8185 - loss: 0.4216
Epoch 4664/10000
1/1 0s 17ms/step -
accuracy: 0.8185 - loss: 0.4216
Epoch 4665/10000
1/1 0s 10ms/step -
accuracy: 0.8185 - loss: 0.4216
Epoch 4666/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4216
Epoch 4667/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4215
Epoch 4668/10000
1/1 0s 11ms/step -
accuracy: 0.8187 - loss: 0.4215
Epoch 4669/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4215
Epoch 4670/10000
1/1 0s 12ms/step -
accuracy: 0.8188 - loss: 0.4215
Epoch 4671/10000
1/1 0s 12ms/step -
accuracy: 0.8188 - loss: 0.4215
Epoch 4672/10000
1/1 0s 11ms/step -
accuracy: 0.8188 - loss: 0.4215
Epoch 4673/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4215
Epoch 4674/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4215
Epoch 4675/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4214
Epoch 4676/10000
1/1 0s 9ms/step -

accuracy: 0.8188 - loss: 0.4214
Epoch 4677/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4214
Epoch 4678/10000
1/1 0s 25ms/step -
accuracy: 0.8188 - loss: 0.4214
Epoch 4679/10000
1/1 0s 25ms/step -
accuracy: 0.8188 - loss: 0.4214
Epoch 4680/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4214
Epoch 4681/10000
1/1 0s 14ms/step -
accuracy: 0.8188 - loss: 0.4214
Epoch 4682/10000
1/1 0s 9ms/step -
accuracy: 0.8188 - loss: 0.4213
Epoch 4683/10000
1/1 0s 9ms/step -
accuracy: 0.8188 - loss: 0.4213
Epoch 4684/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4213
Epoch 4685/10000
1/1 0s 10ms/step -
accuracy: 0.8189 - loss: 0.4213
Epoch 4686/10000
1/1 0s 10ms/step -
accuracy: 0.8189 - loss: 0.4213
Epoch 4687/10000
1/1 0s 9ms/step -
accuracy: 0.8189 - loss: 0.4213
Epoch 4688/10000
1/1 0s 10ms/step -
accuracy: 0.8189 - loss: 0.4213
Epoch 4689/10000
1/1 0s 10ms/step -
accuracy: 0.8189 - loss: 0.4212
Epoch 4690/10000
1/1 0s 11ms/step -
accuracy: 0.8190 - loss: 0.4212
Epoch 4691/10000
1/1 0s 10ms/step -
accuracy: 0.8190 - loss: 0.4212
Epoch 4692/10000
1/1 0s 10ms/step -

accuracy: 0.8190 - loss: 0.4212
Epoch 4693/10000
1/1 0s 11ms/step -
accuracy: 0.8190 - loss: 0.4212
Epoch 4694/10000
1/1 0s 11ms/step -
accuracy: 0.8189 - loss: 0.4212
Epoch 4695/10000
1/1 0s 10ms/step -
accuracy: 0.8189 - loss: 0.4212
Epoch 4696/10000
1/1 0s 18ms/step -
accuracy: 0.8189 - loss: 0.4212
Epoch 4697/10000
1/1 0s 30ms/step -
accuracy: 0.8189 - loss: 0.4211
Epoch 4698/10000
1/1 0s 16ms/step -
accuracy: 0.8189 - loss: 0.4211
Epoch 4699/10000
1/1 0s 10ms/step -
accuracy: 0.8189 - loss: 0.4211
Epoch 4700/10000
1/1 0s 10ms/step -
accuracy: 0.8189 - loss: 0.4211
Epoch 4701/10000
1/1 0s 10ms/step -
accuracy: 0.8189 - loss: 0.4211
Epoch 4702/10000
1/1 0s 10ms/step -
accuracy: 0.8189 - loss: 0.4211
Epoch 4703/10000
1/1 0s 9ms/step -
accuracy: 0.8188 - loss: 0.4211
Epoch 4704/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4210
Epoch 4705/10000
1/1 0s 9ms/step -
accuracy: 0.8188 - loss: 0.4210
Epoch 4706/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4210
Epoch 4707/10000
1/1 0s 10ms/step -
accuracy: 0.8187 - loss: 0.4210
Epoch 4708/10000
1/1 0s 9ms/step -

accuracy: 0.8187 - loss: 0.4210
Epoch 4709/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4210
Epoch 4710/10000
1/1 0s 10ms/step -
accuracy: 0.8188 - loss: 0.4210
Epoch 4711/10000
1/1 0s 9ms/step -
accuracy: 0.8190 - loss: 0.4210
Epoch 4712/10000
1/1 0s 9ms/step -
accuracy: 0.8190 - loss: 0.4209
Epoch 4713/10000
1/1 0s 27ms/step -
accuracy: 0.8192 - loss: 0.4209
Epoch 4714/10000
1/1 0s 25ms/step -
accuracy: 0.8192 - loss: 0.4209
Epoch 4715/10000
1/1 0s 13ms/step -
accuracy: 0.8192 - loss: 0.4209
Epoch 4716/10000
1/1 0s 10ms/step -
accuracy: 0.8191 - loss: 0.4209
Epoch 4717/10000
1/1 0s 10ms/step -
accuracy: 0.8191 - loss: 0.4209
Epoch 4718/10000
1/1 0s 9ms/step -
accuracy: 0.8191 - loss: 0.4209
Epoch 4719/10000
1/1 0s 11ms/step -
accuracy: 0.8191 - loss: 0.4208
Epoch 4720/10000
1/1 0s 10ms/step -
accuracy: 0.8191 - loss: 0.4208
Epoch 4721/10000
1/1 0s 10ms/step -
accuracy: 0.8192 - loss: 0.4208
Epoch 4722/10000
1/1 0s 10ms/step -
accuracy: 0.8192 - loss: 0.4208
Epoch 4723/10000
1/1 0s 10ms/step -
accuracy: 0.8191 - loss: 0.4208
Epoch 4724/10000
1/1 0s 23ms/step -

```

accuracy: 0.8191 - loss: 0.4208
Epoch 4725/10000
1/1          0s 10ms/step -
accuracy: 0.8191 - loss: 0.4208
Epoch 4726/10000
1/1          0s 10ms/step -
accuracy: 0.8191 - loss: 0.4208
Epoch 4727/10000
1/1          0s 10ms/step -
accuracy: 0.8192 - loss: 0.4207
Epoch 4728/10000
1/1          0s 46ms/step -
accuracy: 0.8192 - loss: 0.4207
Epoch 4729/10000
1/1          0s 17ms/step -
accuracy: 0.8192 - loss: 0.4207
Epoch 4730/10000
1/1          0s 10ms/step -
accuracy: 0.8193 - loss: 0.4207
Epoch 4731/10000
1/1          0s 9ms/step -
accuracy: 0.8193 - loss: 0.4207
Epoch 4732/10000
1/1          0s 10ms/step -
accuracy: 0.8193 - loss: 0.4207
Epoch 4733/10000
1/1          0s 11ms/step -
accuracy: 0.8192 - loss: 0.4207
Epoch 4734/10000
1/1          0s 10ms/step -
accuracy: 0.8192 - loss: 0.4206
Epoch 4735/10000
1/1          0s 13ms/step -
accuracy: 0.8192 - loss: 0.4206
Epoch 4736/10000
1/1          0s 10ms/step -
accuracy: 0.8192 - loss: 0.4206
Epoch 4737/10000
1/1          0s 11ms/step -
accuracy: 0.8192 - loss: 0.4206
Epoch 4738/10000
1/1          0s 10ms/step -
accuracy: 0.8192 - loss: 0.4206
Epoch 4739/10000
1/1          0s 10ms/step -
accuracy: 0.8193 - loss: 0.4206
Epoch 4740/10000
1/1          0s 10ms/step -

```

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accuracy: 0.8193 - loss: 0.4206
Epoch 4741/10000
1/1          0s 10ms/step -
accuracy: 0.8193 - loss: 0.4206
Epoch 4742/10000
1/1          0s 11ms/step -
accuracy: 0.8193 - loss: 0.4205
Epoch 4743/10000
1/1          0s 43ms/step -
accuracy: 0.8193 - loss: 0.4205
Epoch 4744/10000
1/1          0s 10ms/step -
accuracy: 0.8193 - loss: 0.4205
Epoch 4745/10000
1/1          0s 10ms/step -
accuracy: 0.8193 - loss: 0.4205
Epoch 4746/10000
1/1          0s 10ms/step -
accuracy: 0.8193 - loss: 0.4205
Epoch 4747/10000
1/1          0s 12ms/step -
accuracy: 0.8195 - loss: 0.4205
Epoch 4748/10000
1/1          0s 12ms/step -
accuracy: 0.8195 - loss: 0.4205
Epoch 4749/10000
1/1          0s 10ms/step -
accuracy: 0.8195 - loss: 0.4204
Epoch 4750/10000
1/1          0s 10ms/step -
accuracy: 0.8196 - loss: 0.4204
Epoch 4751/10000
1/1          0s 10ms/step -
accuracy: 0.8196 - loss: 0.4204
Epoch 4752/10000
1/1          0s 10ms/step -
accuracy: 0.8196 - loss: 0.4204
Epoch 4753/10000
1/1          0s 11ms/step -
accuracy: 0.8196 - loss: 0.4204
Epoch 4754/10000
1/1          0s 10ms/step -
accuracy: 0.8196 - loss: 0.4204
Epoch 4755/10000
1/1          0s 10ms/step -
accuracy: 0.8196 - loss: 0.4204
Epoch 4756/10000
1/1          0s 10ms/step -

```

accuracy: 0.8196 - loss: 0.4204
Epoch 4757/10000
1/1 0s 11ms/step -
accuracy: 0.8196 - loss: 0.4203
Epoch 4758/10000
1/1 0s 10ms/step -
accuracy: 0.8196 - loss: 0.4203
Epoch 4759/10000
1/1 0s 9ms/step -
accuracy: 0.8196 - loss: 0.4203
Epoch 4760/10000
1/1 0s 10ms/step -
accuracy: 0.8196 - loss: 0.4203
Epoch 4761/10000
1/1 0s 10ms/step -
accuracy: 0.8196 - loss: 0.4203
Epoch 4762/10000
1/1 0s 22ms/step -
accuracy: 0.8196 - loss: 0.4203
Epoch 4763/10000
1/1 0s 22ms/step -
accuracy: 0.8196 - loss: 0.4203
Epoch 4764/10000
1/1 0s 13ms/step -
accuracy: 0.8196 - loss: 0.4203
Epoch 4765/10000
1/1 0s 10ms/step -
accuracy: 0.8196 - loss: 0.4202
Epoch 4766/10000
1/1 0s 10ms/step -
accuracy: 0.8196 - loss: 0.4202
Epoch 4767/10000
1/1 0s 10ms/step -
accuracy: 0.8196 - loss: 0.4202
Epoch 4768/10000
1/1 0s 10ms/step -
accuracy: 0.8196 - loss: 0.4202
Epoch 4769/10000
1/1 0s 10ms/step -
accuracy: 0.8197 - loss: 0.4202
Epoch 4770/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4202
Epoch 4771/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4202
Epoch 4772/10000
1/1 0s 10ms/step -

accuracy: 0.8201 - loss: 0.4201
Epoch 4773/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4201
Epoch 4774/10000
1/1 0s 9ms/step -
accuracy: 0.8201 - loss: 0.4201
Epoch 4775/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4201
Epoch 4776/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4201
Epoch 4777/10000
1/1 0s 14ms/step -
accuracy: 0.8201 - loss: 0.4201
Epoch 4778/10000
1/1 0s 44ms/step -
accuracy: 0.8201 - loss: 0.4201
Epoch 4779/10000
1/1 0s 18ms/step -
accuracy: 0.8201 - loss: 0.4201
Epoch 4780/10000
1/1 0s 12ms/step -
accuracy: 0.8201 - loss: 0.4200
Epoch 4781/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4200
Epoch 4782/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4200
Epoch 4783/10000
1/1 0s 12ms/step -
accuracy: 0.8201 - loss: 0.4200
Epoch 4784/10000
1/1 0s 11ms/step -
accuracy: 0.8201 - loss: 0.4200
Epoch 4785/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4200
Epoch 4786/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4200
Epoch 4787/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4199
Epoch 4788/10000
1/1 0s 11ms/step -

accuracy: 0.8201 - loss: 0.4199
Epoch 4789/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4199
Epoch 4790/10000
1/1 0s 11ms/step -
accuracy: 0.8201 - loss: 0.4199
Epoch 4791/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4199
Epoch 4792/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4199
Epoch 4793/10000
1/1 0s 46ms/step -
accuracy: 0.8201 - loss: 0.4199
Epoch 4794/10000
1/1 0s 11ms/step -
accuracy: 0.8201 - loss: 0.4199
Epoch 4795/10000
1/1 0s 15ms/step -
accuracy: 0.8201 - loss: 0.4198
Epoch 4796/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4198
Epoch 4797/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4198
Epoch 4798/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4198
Epoch 4799/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4198
Epoch 4800/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4198
Epoch 4801/10000
1/1 0s 9ms/step -
accuracy: 0.8201 - loss: 0.4198
Epoch 4802/10000
1/1 0s 9ms/step -
accuracy: 0.8201 - loss: 0.4198
Epoch 4803/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4197
Epoch 4804/10000
1/1 0s 10ms/step -

accuracy: 0.8201 - loss: 0.4197
Epoch 4805/10000
1/1 0s 9ms/step -
accuracy: 0.8201 - loss: 0.4197
Epoch 4806/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4197
Epoch 4807/10000
1/1 0s 10ms/step -
accuracy: 0.8200 - loss: 0.4197
Epoch 4808/10000
1/1 0s 10ms/step -
accuracy: 0.8200 - loss: 0.4197
Epoch 4809/10000
1/1 0s 14ms/step -
accuracy: 0.8200 - loss: 0.4197
Epoch 4810/10000
1/1 0s 37ms/step -
accuracy: 0.8200 - loss: 0.4197
Epoch 4811/10000
1/1 0s 11ms/step -
accuracy: 0.8200 - loss: 0.4196
Epoch 4812/10000
1/1 0s 10ms/step -
accuracy: 0.8199 - loss: 0.4196
Epoch 4813/10000
1/1 0s 10ms/step -
accuracy: 0.8199 - loss: 0.4196
Epoch 4814/10000
1/1 0s 15ms/step -
accuracy: 0.8199 - loss: 0.4196
Epoch 4815/10000
1/1 0s 12ms/step -
accuracy: 0.8199 - loss: 0.4196
Epoch 4816/10000
1/1 0s 13ms/step -
accuracy: 0.8199 - loss: 0.4196
Epoch 4817/10000
1/1 0s 11ms/step -
accuracy: 0.8199 - loss: 0.4196
Epoch 4818/10000
1/1 0s 13ms/step -
accuracy: 0.8199 - loss: 0.4195
Epoch 4819/10000
1/1 0s 10ms/step -
accuracy: 0.8199 - loss: 0.4195
Epoch 4820/10000
1/1 0s 11ms/step -

accuracy: 0.8199 - loss: 0.4195
Epoch 4821/10000
1/1 0s 11ms/step -
accuracy: 0.8199 - loss: 0.4195
Epoch 4822/10000
1/1 0s 10ms/step -
accuracy: 0.8199 - loss: 0.4195
Epoch 4823/10000
1/1 0s 9ms/step -
accuracy: 0.8203 - loss: 0.4195
Epoch 4824/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4195
Epoch 4825/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4195
Epoch 4826/10000
1/1 0s 11ms/step -
accuracy: 0.8201 - loss: 0.4194
Epoch 4827/10000
1/1 0s 30ms/step -
accuracy: 0.8201 - loss: 0.4194
Epoch 4828/10000
1/1 0s 13ms/step -
accuracy: 0.8201 - loss: 0.4194
Epoch 4829/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4194
Epoch 4830/10000
1/1 0s 12ms/step -
accuracy: 0.8201 - loss: 0.4194
Epoch 4831/10000
1/1 0s 14ms/step -
accuracy: 0.8201 - loss: 0.4194
Epoch 4832/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4194
Epoch 4833/10000
1/1 0s 30ms/step -
accuracy: 0.8201 - loss: 0.4194
Epoch 4834/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4193
Epoch 4835/10000
1/1 0s 9ms/step -
accuracy: 0.8201 - loss: 0.4193
Epoch 4836/10000
1/1 0s 10ms/step -

accuracy: 0.8202 - loss: 0.4193
Epoch 4837/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4193
Epoch 4838/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4193
Epoch 4839/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4193
Epoch 4840/10000
1/1 0s 9ms/step -
accuracy: 0.8202 - loss: 0.4193
Epoch 4841/10000
1/1 0s 9ms/step -
accuracy: 0.8202 - loss: 0.4192
Epoch 4842/10000
1/1 0s 11ms/step -
accuracy: 0.8202 - loss: 0.4192
Epoch 4843/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4192
Epoch 4844/10000
1/1 0s 22ms/step -
accuracy: 0.8202 - loss: 0.4192
Epoch 4845/10000
1/1 0s 30ms/step -
accuracy: 0.8202 - loss: 0.4192
Epoch 4846/10000
1/1 0s 16ms/step -
accuracy: 0.8202 - loss: 0.4192
Epoch 4847/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4192
Epoch 4848/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4192
Epoch 4849/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4191
Epoch 4850/10000
1/1 0s 9ms/step -
accuracy: 0.8202 - loss: 0.4191
Epoch 4851/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4191
Epoch 4852/10000
1/1 0s 10ms/step -

accuracy: 0.8202 - loss: 0.4191
Epoch 4853/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4191
Epoch 4854/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4191
Epoch 4855/10000
1/1 0s 11ms/step -
accuracy: 0.8201 - loss: 0.4191
Epoch 4856/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4191
Epoch 4857/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4190
Epoch 4858/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4190
Epoch 4859/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4190
Epoch 4860/10000
1/1 0s 21ms/step -
accuracy: 0.8201 - loss: 0.4190
Epoch 4861/10000
1/1 0s 29ms/step -
accuracy: 0.8201 - loss: 0.4190
Epoch 4862/10000
1/1 0s 17ms/step -
accuracy: 0.8201 - loss: 0.4190
Epoch 4863/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4190
Epoch 4864/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4190
Epoch 4865/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4189
Epoch 4866/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4189
Epoch 4867/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4189
Epoch 4868/10000
1/1 0s 10ms/step -

```

accuracy: 0.8200 - loss: 0.4189
Epoch 4869/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4189
Epoch 4870/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4189
Epoch 4871/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4189
Epoch 4872/10000
1/1          0s 11ms/step -
accuracy: 0.8200 - loss: 0.4189
Epoch 4873/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4188
Epoch 4874/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4188
Epoch 4875/10000
1/1          0s 9ms/step -
accuracy: 0.8200 - loss: 0.4188
Epoch 4876/10000
1/1          0s 11ms/step -
accuracy: 0.8200 - loss: 0.4188
Epoch 4877/10000
1/1          0s 28ms/step -
accuracy: 0.8200 - loss: 0.4188
Epoch 4878/10000
1/1          0s 23ms/step -
accuracy: 0.8200 - loss: 0.4188
Epoch 4879/10000
1/1          0s 16ms/step -
accuracy: 0.8201 - loss: 0.4188
Epoch 4880/10000
1/1          0s 10ms/step -
accuracy: 0.8201 - loss: 0.4188
Epoch 4881/10000
1/1          0s 10ms/step -
accuracy: 0.8201 - loss: 0.4187
Epoch 4882/10000
1/1          0s 10ms/step -
accuracy: 0.8201 - loss: 0.4187
Epoch 4883/10000
1/1          0s 10ms/step -
accuracy: 0.8201 - loss: 0.4187
Epoch 4884/10000
1/1          0s 9ms/step -

```

```

accuracy: 0.8201 - loss: 0.4187
Epoch 4885/10000
1/1          0s 9ms/step -
accuracy: 0.8200 - loss: 0.4187
Epoch 4886/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4187
Epoch 4887/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4187
Epoch 4888/10000
1/1          0s 12ms/step -
accuracy: 0.8200 - loss: 0.4186
Epoch 4889/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4186
Epoch 4890/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4186
Epoch 4891/10000
1/1          0s 9ms/step -
accuracy: 0.8200 - loss: 0.4186
Epoch 4892/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4186
Epoch 4893/10000
1/1          0s 29ms/step -
accuracy: 0.8200 - loss: 0.4186
Epoch 4894/10000
1/1          0s 21ms/step -
accuracy: 0.8200 - loss: 0.4186
Epoch 4895/10000
1/1          0s 15ms/step -
accuracy: 0.8200 - loss: 0.4186
Epoch 4896/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4185
Epoch 4897/10000
1/1          0s 11ms/step -
accuracy: 0.8200 - loss: 0.4185
Epoch 4898/10000
1/1          0s 10ms/step -
accuracy: 0.8200 - loss: 0.4185
Epoch 4899/10000
1/1          0s 13ms/step -
accuracy: 0.8201 - loss: 0.4185
Epoch 4900/10000
1/1          0s 10ms/step -

```

accuracy: 0.8201 - loss: 0.4185
Epoch 4901/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4185
Epoch 4902/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4185
Epoch 4903/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4185
Epoch 4904/10000
1/1 0s 9ms/step -
accuracy: 0.8201 - loss: 0.4184
Epoch 4905/10000
1/1 0s 9ms/step -
accuracy: 0.8201 - loss: 0.4184
Epoch 4906/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4184
Epoch 4907/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4184
Epoch 4908/10000
1/1 0s 25ms/step -
accuracy: 0.8201 - loss: 0.4184
Epoch 4909/10000
1/1 0s 26ms/step -
accuracy: 0.8201 - loss: 0.4184
Epoch 4910/10000
1/1 0s 17ms/step -
accuracy: 0.8201 - loss: 0.4184
Epoch 4911/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4184
Epoch 4912/10000
1/1 0s 9ms/step -
accuracy: 0.8201 - loss: 0.4183
Epoch 4913/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4183
Epoch 4914/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4183
Epoch 4915/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4183
Epoch 4916/10000
1/1 0s 10ms/step -

accuracy: 0.8201 - loss: 0.4183
Epoch 4917/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4183
Epoch 4918/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4183
Epoch 4919/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4183
Epoch 4920/10000
1/1 0s 9ms/step -
accuracy: 0.8201 - loss: 0.4182
Epoch 4921/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4182
Epoch 4922/10000
1/1 0s 27ms/step -
accuracy: 0.8200 - loss: 0.4182
Epoch 4923/10000
1/1 0s 24ms/step -
accuracy: 0.8200 - loss: 0.4182
Epoch 4924/10000
1/1 0s 15ms/step -
accuracy: 0.8200 - loss: 0.4182
Epoch 4925/10000
1/1 0s 10ms/step -
accuracy: 0.8200 - loss: 0.4182
Epoch 4926/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4182
Epoch 4927/10000
1/1 0s 10ms/step -
accuracy: 0.8201 - loss: 0.4182
Epoch 4928/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4181
Epoch 4929/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4181
Epoch 4930/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4181
Epoch 4931/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4181
Epoch 4932/10000
1/1 0s 10ms/step -

accuracy: 0.8202 - loss: 0.4181
Epoch 4933/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4181
Epoch 4934/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4181
Epoch 4935/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4181
Epoch 4936/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4180
Epoch 4937/10000
1/1 0s 11ms/step -
accuracy: 0.8202 - loss: 0.4180
Epoch 4938/10000
1/1 0s 19ms/step -
accuracy: 0.8202 - loss: 0.4180
Epoch 4939/10000
1/1 0s 33ms/step -
accuracy: 0.8202 - loss: 0.4180
Epoch 4940/10000
1/1 0s 14ms/step -
accuracy: 0.8202 - loss: 0.4180
Epoch 4941/10000
1/1 0s 10ms/step -
accuracy: 0.8202 - loss: 0.4180
Epoch 4942/10000
1/1 0s 10ms/step -
accuracy: 0.8203 - loss: 0.4180
Epoch 4943/10000
1/1 0s 11ms/step -
accuracy: 0.8203 - loss: 0.4180
Epoch 4944/10000
1/1 0s 10ms/step -
accuracy: 0.8203 - loss: 0.4179
Epoch 4945/10000
1/1 0s 10ms/step -
accuracy: 0.8203 - loss: 0.4179
Epoch 4946/10000
1/1 0s 10ms/step -
accuracy: 0.8203 - loss: 0.4179
Epoch 4947/10000
1/1 0s 10ms/step -
accuracy: 0.8204 - loss: 0.4179
Epoch 4948/10000
1/1 0s 10ms/step -

accuracy: 0.8204 - loss: 0.4179
Epoch 4949/10000
1/1 0s 9ms/step -
accuracy: 0.8204 - loss: 0.4179
Epoch 4950/10000
1/1 0s 10ms/step -
accuracy: 0.8204 - loss: 0.4179
Epoch 4951/10000
1/1 0s 10ms/step -
accuracy: 0.8204 - loss: 0.4179
Epoch 4952/10000
1/1 0s 11ms/step -
accuracy: 0.8204 - loss: 0.4178
Epoch 4953/10000
1/1 0s 10ms/step -
accuracy: 0.8204 - loss: 0.4178
Epoch 4954/10000
1/1 0s 30ms/step -
accuracy: 0.8204 - loss: 0.4178
Epoch 4955/10000
1/1 0s 25ms/step -
accuracy: 0.8204 - loss: 0.4178
Epoch 4956/10000
1/1 0s 14ms/step -
accuracy: 0.8204 - loss: 0.4178
Epoch 4957/10000
1/1 0s 10ms/step -
accuracy: 0.8204 - loss: 0.4178
Epoch 4958/10000
1/1 0s 10ms/step -
accuracy: 0.8204 - loss: 0.4178
Epoch 4959/10000
1/1 0s 10ms/step -
accuracy: 0.8204 - loss: 0.4178
Epoch 4960/10000
1/1 0s 9ms/step -
accuracy: 0.8206 - loss: 0.4177
Epoch 4961/10000
1/1 0s 11ms/step -
accuracy: 0.8206 - loss: 0.4177
Epoch 4962/10000
1/1 0s 10ms/step -
accuracy: 0.8206 - loss: 0.4177
Epoch 4963/10000
1/1 0s 10ms/step -
accuracy: 0.8206 - loss: 0.4177
Epoch 4964/10000
1/1 0s 10ms/step -

accuracy: 0.8206 - loss: 0.4177
Epoch 4965/10000
1/1 0s 9ms/step -
accuracy: 0.8206 - loss: 0.4177
Epoch 4966/10000
1/1 0s 10ms/step -
accuracy: 0.8206 - loss: 0.4177
Epoch 4967/10000
1/1 0s 11ms/step -
accuracy: 0.8206 - loss: 0.4177
Epoch 4968/10000
1/1 0s 10ms/step -
accuracy: 0.8206 - loss: 0.4176
Epoch 4969/10000
1/1 0s 10ms/step -
accuracy: 0.8206 - loss: 0.4176
Epoch 4970/10000
1/1 0s 20ms/step -
accuracy: 0.8206 - loss: 0.4176
Epoch 4971/10000
1/1 0s 26ms/step -
accuracy: 0.8206 - loss: 0.4176
Epoch 4972/10000
1/1 0s 18ms/step -
accuracy: 0.8206 - loss: 0.4176
Epoch 4973/10000
1/1 0s 9ms/step -
accuracy: 0.8206 - loss: 0.4176
Epoch 4974/10000
1/1 0s 10ms/step -
accuracy: 0.8206 - loss: 0.4176
Epoch 4975/10000
1/1 0s 10ms/step -
accuracy: 0.8206 - loss: 0.4176
Epoch 4976/10000
1/1 0s 9ms/step -
accuracy: 0.8206 - loss: 0.4175
Epoch 4977/10000
1/1 0s 10ms/step -
accuracy: 0.8206 - loss: 0.4175
Epoch 4978/10000
1/1 0s 10ms/step -
accuracy: 0.8206 - loss: 0.4175
Epoch 4979/10000
1/1 0s 10ms/step -
accuracy: 0.8207 - loss: 0.4175
Epoch 4980/10000
1/1 0s 10ms/step -

accuracy: 0.8208 - loss: 0.4175
Epoch 4981/10000
1/1 0s 10ms/step -
accuracy: 0.8208 - loss: 0.4175
Epoch 4982/10000
1/1 0s 26ms/step -
accuracy: 0.8208 - loss: 0.4175
Epoch 4983/10000
1/1 0s 12ms/step -
accuracy: 0.8208 - loss: 0.4175
Epoch 4984/10000
1/1 0s 26ms/step -
accuracy: 0.8208 - loss: 0.4174
Epoch 4985/10000
1/1 0s 29ms/step -
accuracy: 0.8208 - loss: 0.4174
Epoch 4986/10000
1/1 0s 17ms/step -
accuracy: 0.8208 - loss: 0.4174
Epoch 4987/10000
1/1 0s 10ms/step -
accuracy: 0.8208 - loss: 0.4174
Epoch 4988/10000
1/1 0s 10ms/step -
accuracy: 0.8208 - loss: 0.4174
Epoch 4989/10000
1/1 0s 9ms/step -
accuracy: 0.8208 - loss: 0.4174
Epoch 4990/10000
1/1 0s 9ms/step -
accuracy: 0.8208 - loss: 0.4174
Epoch 4991/10000
1/1 0s 9ms/step -
accuracy: 0.8208 - loss: 0.4174
Epoch 4992/10000
1/1 0s 9ms/step -
accuracy: 0.8208 - loss: 0.4173
Epoch 4993/10000
1/1 0s 10ms/step -
accuracy: 0.8208 - loss: 0.4173
Epoch 4994/10000
1/1 0s 9ms/step -
accuracy: 0.8208 - loss: 0.4173
Epoch 4995/10000
1/1 0s 10ms/step -
accuracy: 0.8208 - loss: 0.4173
Epoch 4996/10000
1/1 0s 10ms/step -

accuracy: 0.8208 - loss: 0.4173
Epoch 4997/10000
1/1 0s 11ms/step -
accuracy: 0.8208 - loss: 0.4173
Epoch 4998/10000
1/1 0s 10ms/step -
accuracy: 0.8208 - loss: 0.4173
Epoch 4999/10000
1/1 0s 10ms/step -
accuracy: 0.8209 - loss: 0.4173
Epoch 5000/10000
1/1 0s 19ms/step -
accuracy: 0.8209 - loss: 0.4172
Epoch 5001/10000
1/1 0s 29ms/step -
accuracy: 0.8209 - loss: 0.4172
Epoch 5002/10000
1/1 0s 17ms/step -
accuracy: 0.8209 - loss: 0.4172
Epoch 5003/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4172
Epoch 5004/10000
1/1 0s 11ms/step -
accuracy: 0.8211 - loss: 0.4172
Epoch 5005/10000
1/1 0s 11ms/step -
accuracy: 0.8211 - loss: 0.4172
Epoch 5006/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4172
Epoch 5007/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4172
Epoch 5008/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4172
Epoch 5009/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4171
Epoch 5010/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4171
Epoch 5011/10000
1/1 0s 9ms/step -
accuracy: 0.8210 - loss: 0.4171
Epoch 5012/10000
1/1 0s 9ms/step -

accuracy: 0.8210 - loss: 0.4171
Epoch 5013/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4171
Epoch 5014/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4171
Epoch 5015/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4171
Epoch 5016/10000
1/1 0s 25ms/step -
accuracy: 0.8210 - loss: 0.4171
Epoch 5017/10000
1/1 0s 25ms/step -
accuracy: 0.8210 - loss: 0.4170
Epoch 5018/10000
1/1 0s 16ms/step -
accuracy: 0.8210 - loss: 0.4170
Epoch 5019/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4170
Epoch 5020/10000
1/1 0s 9ms/step -
accuracy: 0.8210 - loss: 0.4170
Epoch 5021/10000
1/1 0s 9ms/step -
accuracy: 0.8210 - loss: 0.4170
Epoch 5022/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4170
Epoch 5023/10000
1/1 0s 9ms/step -
accuracy: 0.8210 - loss: 0.4170
Epoch 5024/10000
1/1 0s 11ms/step -
accuracy: 0.8210 - loss: 0.4170
Epoch 5025/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4169
Epoch 5026/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4169
Epoch 5027/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4169
Epoch 5028/10000
1/1 0s 10ms/step -

accuracy: 0.8210 - loss: 0.4169
Epoch 5029/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4169
Epoch 5030/10000
1/1 0s 9ms/step -
accuracy: 0.8210 - loss: 0.4169
Epoch 5031/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4169
Epoch 5032/10000
1/1 0s 21ms/step -
accuracy: 0.8211 - loss: 0.4169
Epoch 5033/10000
1/1 0s 28ms/step -
accuracy: 0.8210 - loss: 0.4168
Epoch 5034/10000
1/1 0s 16ms/step -
accuracy: 0.8210 - loss: 0.4168
Epoch 5035/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4168
Epoch 5036/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4168
Epoch 5037/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4168
Epoch 5038/10000
1/1 0s 9ms/step -
accuracy: 0.8210 - loss: 0.4168
Epoch 5039/10000
1/1 0s 9ms/step -
accuracy: 0.8210 - loss: 0.4168
Epoch 5040/10000
1/1 0s 9ms/step -
accuracy: 0.8210 - loss: 0.4168
Epoch 5041/10000
1/1 0s 9ms/step -
accuracy: 0.8210 - loss: 0.4167
Epoch 5042/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4167
Epoch 5043/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4167
Epoch 5044/10000
1/1 0s 10ms/step -

accuracy: 0.8211 - loss: 0.4167
Epoch 5045/10000
1/1 0s 9ms/step -
accuracy: 0.8211 - loss: 0.4167
Epoch 5046/10000
1/1 0s 9ms/step -
accuracy: 0.8211 - loss: 0.4167
Epoch 5047/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4167
Epoch 5048/10000
1/1 0s 40ms/step -
accuracy: 0.8211 - loss: 0.4167
Epoch 5049/10000
1/1 0s 26ms/step -
accuracy: 0.8211 - loss: 0.4167
Epoch 5050/10000
1/1 0s 17ms/step -
accuracy: 0.8211 - loss: 0.4166
Epoch 5051/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4166
Epoch 5052/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4166
Epoch 5053/10000
1/1 0s 9ms/step -
accuracy: 0.8211 - loss: 0.4166
Epoch 5054/10000
1/1 0s 9ms/step -
accuracy: 0.8211 - loss: 0.4166
Epoch 5055/10000
1/1 0s 9ms/step -
accuracy: 0.8211 - loss: 0.4166
Epoch 5056/10000
1/1 0s 9ms/step -
accuracy: 0.8211 - loss: 0.4166
Epoch 5057/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4166
Epoch 5058/10000
1/1 0s 9ms/step -
accuracy: 0.8211 - loss: 0.4165
Epoch 5059/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4165
Epoch 5060/10000
1/1 0s 9ms/step -

accuracy: 0.8211 - loss: 0.4165
Epoch 5061/10000
1/1 0s 9ms/step -
accuracy: 0.8211 - loss: 0.4165
Epoch 5062/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4165
Epoch 5063/10000
1/1 0s 19ms/step -
accuracy: 0.8211 - loss: 0.4165
Epoch 5064/10000
1/1 0s 28ms/step -
accuracy: 0.8210 - loss: 0.4165
Epoch 5065/10000
1/1 0s 16ms/step -
accuracy: 0.8210 - loss: 0.4165
Epoch 5066/10000
1/1 0s 10ms/step -
accuracy: 0.8210 - loss: 0.4164
Epoch 5067/10000
1/1 0s 9ms/step -
accuracy: 0.8211 - loss: 0.4164
Epoch 5068/10000
1/1 0s 10ms/step -
accuracy: 0.8211 - loss: 0.4164
Epoch 5069/10000
1/1 0s 10ms/step -
accuracy: 0.8212 - loss: 0.4164
Epoch 5070/10000
1/1 0s 35ms/step -
accuracy: 0.8212 - loss: 0.4164
Epoch 5071/10000
1/1 0s 13ms/step -
accuracy: 0.8212 - loss: 0.4164
Epoch 5072/10000
1/1 0s 11ms/step -
accuracy: 0.8212 - loss: 0.4164
Epoch 5073/10000
1/1 0s 12ms/step -
accuracy: 0.8212 - loss: 0.4164
Epoch 5074/10000
1/1 0s 10ms/step -
accuracy: 0.8212 - loss: 0.4163
Epoch 5075/10000
1/1 0s 9ms/step -
accuracy: 0.8212 - loss: 0.4163
Epoch 5076/10000
1/1 0s 10ms/step -

accuracy: 0.8213 - loss: 0.4163
Epoch 5077/10000
1/1 0s 9ms/step -
accuracy: 0.8213 - loss: 0.4163
Epoch 5078/10000
1/1 0s 10ms/step -
accuracy: 0.8213 - loss: 0.4163
Epoch 5079/10000
1/1 0s 11ms/step -
accuracy: 0.8213 - loss: 0.4163
Epoch 5080/10000
1/1 0s 9ms/step -
accuracy: 0.8213 - loss: 0.4163
Epoch 5081/10000
1/1 0s 10ms/step -
accuracy: 0.8213 - loss: 0.4163
Epoch 5082/10000
1/1 0s 10ms/step -
accuracy: 0.8213 - loss: 0.4163
Epoch 5083/10000
1/1 0s 11ms/step -
accuracy: 0.8213 - loss: 0.4162
Epoch 5084/10000
1/1 0s 14ms/step -
accuracy: 0.8213 - loss: 0.4162
Epoch 5085/10000
1/1 0s 21ms/step -
accuracy: 0.8213 - loss: 0.4162
Epoch 5086/10000
1/1 0s 29ms/step -
accuracy: 0.8213 - loss: 0.4162
Epoch 5087/10000
1/1 0s 16ms/step -
accuracy: 0.8213 - loss: 0.4162
Epoch 5088/10000
1/1 0s 10ms/step -
accuracy: 0.8213 - loss: 0.4162
Epoch 5089/10000
1/1 0s 10ms/step -
accuracy: 0.8213 - loss: 0.4162
Epoch 5090/10000
1/1 0s 10ms/step -
accuracy: 0.8213 - loss: 0.4162
Epoch 5091/10000
1/1 0s 10ms/step -
accuracy: 0.8213 - loss: 0.4161
Epoch 5092/10000
1/1 0s 10ms/step -

accuracy: 0.8213 - loss: 0.4161
Epoch 5093/10000
1/1 0s 9ms/step -
accuracy: 0.8213 - loss: 0.4161
Epoch 5094/10000
1/1 0s 10ms/step -
accuracy: 0.8214 - loss: 0.4161
Epoch 5095/10000
1/1 0s 10ms/step -
accuracy: 0.8214 - loss: 0.4161
Epoch 5096/10000
1/1 0s 10ms/step -
accuracy: 0.8214 - loss: 0.4161
Epoch 5097/10000
1/1 0s 9ms/step -
accuracy: 0.8214 - loss: 0.4161
Epoch 5098/10000
1/1 0s 10ms/step -
accuracy: 0.8214 - loss: 0.4161
Epoch 5099/10000
1/1 0s 10ms/step -
accuracy: 0.8213 - loss: 0.4160
Epoch 5100/10000
1/1 0s 10ms/step -
accuracy: 0.8213 - loss: 0.4160
Epoch 5101/10000
1/1 0s 49ms/step -
accuracy: 0.8214 - loss: 0.4160
Epoch 5102/10000
1/1 0s 22ms/step -
accuracy: 0.8214 - loss: 0.4160
Epoch 5103/10000
1/1 0s 12ms/step -
accuracy: 0.8214 - loss: 0.4160
Epoch 5104/10000
1/1 0s 13ms/step -
accuracy: 0.8214 - loss: 0.4160
Epoch 5105/10000
1/1 0s 10ms/step -
accuracy: 0.8214 - loss: 0.4160
Epoch 5106/10000
1/1 0s 10ms/step -
accuracy: 0.8215 - loss: 0.4160
Epoch 5107/10000
1/1 0s 10ms/step -
accuracy: 0.8215 - loss: 0.4160
Epoch 5108/10000
1/1 0s 10ms/step -

accuracy: 0.8215 - loss: 0.4159
Epoch 5109/10000
1/1 0s 10ms/step -
accuracy: 0.8215 - loss: 0.4159
Epoch 5110/10000
1/1 0s 10ms/step -
accuracy: 0.8215 - loss: 0.4159
Epoch 5111/10000
1/1 0s 9ms/step -
accuracy: 0.8215 - loss: 0.4159
Epoch 5112/10000
1/1 0s 10ms/step -
accuracy: 0.8215 - loss: 0.4159
Epoch 5113/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4159
Epoch 5114/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4159
Epoch 5115/10000
1/1 0s 9ms/step -
accuracy: 0.8216 - loss: 0.4159
Epoch 5116/10000
1/1 0s 34ms/step -
accuracy: 0.8216 - loss: 0.4158
Epoch 5117/10000
1/1 0s 20ms/step -
accuracy: 0.8216 - loss: 0.4158
Epoch 5118/10000
1/1 0s 13ms/step -
accuracy: 0.8216 - loss: 0.4158
Epoch 5119/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4158
Epoch 5120/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4158
Epoch 5121/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4158
Epoch 5122/10000
1/1 0s 9ms/step -
accuracy: 0.8216 - loss: 0.4158
Epoch 5123/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4158
Epoch 5124/10000
1/1 0s 9ms/step -

accuracy: 0.8216 - loss: 0.4157
Epoch 5125/10000
1/1 0s 9ms/step -
accuracy: 0.8216 - loss: 0.4157
Epoch 5126/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4157
Epoch 5127/10000
1/1 0s 10ms/step -
accuracy: 0.8217 - loss: 0.4157
Epoch 5128/10000
1/1 0s 9ms/step -
accuracy: 0.8217 - loss: 0.4157
Epoch 5129/10000
1/1 0s 9ms/step -
accuracy: 0.8216 - loss: 0.4157
Epoch 5130/10000
1/1 0s 9ms/step -
accuracy: 0.8217 - loss: 0.4157
Epoch 5131/10000
1/1 0s 9ms/step -
accuracy: 0.8217 - loss: 0.4157
Epoch 5132/10000
1/1 0s 33ms/step -
accuracy: 0.8217 - loss: 0.4157
Epoch 5133/10000
1/1 0s 19ms/step -
accuracy: 0.8217 - loss: 0.4156
Epoch 5134/10000
1/1 0s 12ms/step -
accuracy: 0.8217 - loss: 0.4156
Epoch 5135/10000
1/1 0s 9ms/step -
accuracy: 0.8217 - loss: 0.4156
Epoch 5136/10000
1/1 0s 10ms/step -
accuracy: 0.8217 - loss: 0.4156
Epoch 5137/10000
1/1 0s 10ms/step -
accuracy: 0.8217 - loss: 0.4156
Epoch 5138/10000
1/1 0s 13ms/step -
accuracy: 0.8217 - loss: 0.4156
Epoch 5139/10000
1/1 0s 10ms/step -
accuracy: 0.8217 - loss: 0.4156
Epoch 5140/10000
1/1 0s 10ms/step -

accuracy: 0.8217 - loss: 0.4156
Epoch 5141/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4155
Epoch 5142/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4155
Epoch 5143/10000
1/1 0s 9ms/step -
accuracy: 0.8216 - loss: 0.4155
Epoch 5144/10000
1/1 0s 9ms/step -
accuracy: 0.8215 - loss: 0.4155
Epoch 5145/10000
1/1 0s 10ms/step -
accuracy: 0.8215 - loss: 0.4155
Epoch 5146/10000
1/1 0s 9ms/step -
accuracy: 0.8216 - loss: 0.4155
Epoch 5147/10000
1/1 0s 21ms/step -
accuracy: 0.8216 - loss: 0.4155
Epoch 5148/10000
1/1 0s 24ms/step -
accuracy: 0.8216 - loss: 0.4155
Epoch 5149/10000
1/1 0s 16ms/step -
accuracy: 0.8216 - loss: 0.4155
Epoch 5150/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4154
Epoch 5151/10000
1/1 0s 9ms/step -
accuracy: 0.8216 - loss: 0.4154
Epoch 5152/10000
1/1 0s 10ms/step -
accuracy: 0.8216 - loss: 0.4154
Epoch 5153/10000
1/1 0s 9ms/step -
accuracy: 0.8217 - loss: 0.4154
Epoch 5154/10000
1/1 0s 9ms/step -
accuracy: 0.8217 - loss: 0.4154
Epoch 5155/10000
1/1 0s 10ms/step -
accuracy: 0.8217 - loss: 0.4154
Epoch 5156/10000
1/1 0s 9ms/step -

accuracy: 0.8217 - loss: 0.4154
Epoch 5157/10000
1/1 0s 9ms/step -
accuracy: 0.8217 - loss: 0.4154
Epoch 5158/10000
1/1 0s 10ms/step -
accuracy: 0.8218 - loss: 0.4153
Epoch 5159/10000
1/1 0s 10ms/step -
accuracy: 0.8218 - loss: 0.4153
Epoch 5160/10000
1/1 0s 9ms/step -
accuracy: 0.8218 - loss: 0.4153
Epoch 5161/10000
1/1 0s 9ms/step -
accuracy: 0.8218 - loss: 0.4153
Epoch 5162/10000
1/1 0s 9ms/step -
accuracy: 0.8218 - loss: 0.4153
Epoch 5163/10000
1/1 0s 25ms/step -
accuracy: 0.8218 - loss: 0.4153
Epoch 5164/10000
1/1 0s 24ms/step -
accuracy: 0.8218 - loss: 0.4153
Epoch 5165/10000
1/1 0s 16ms/step -
accuracy: 0.8218 - loss: 0.4153
Epoch 5166/10000
1/1 0s 10ms/step -
accuracy: 0.8218 - loss: 0.4153
Epoch 5167/10000
1/1 0s 10ms/step -
accuracy: 0.8219 - loss: 0.4152
Epoch 5168/10000
1/1 0s 9ms/step -
accuracy: 0.8219 - loss: 0.4152
Epoch 5169/10000
1/1 0s 9ms/step -
accuracy: 0.8219 - loss: 0.4152
Epoch 5170/10000
1/1 0s 10ms/step -
accuracy: 0.8219 - loss: 0.4152
Epoch 5171/10000
1/1 0s 9ms/step -
accuracy: 0.8219 - loss: 0.4152
Epoch 5172/10000
1/1 0s 9ms/step -

accuracy: 0.8219 - loss: 0.4152
Epoch 5173/10000
1/1 0s 9ms/step -
accuracy: 0.8219 - loss: 0.4152
Epoch 5174/10000
1/1 0s 9ms/step -
accuracy: 0.8219 - loss: 0.4152
Epoch 5175/10000
1/1 0s 10ms/step -
accuracy: 0.8220 - loss: 0.4151
Epoch 5176/10000
1/1 0s 9ms/step -
accuracy: 0.8220 - loss: 0.4151
Epoch 5177/10000
1/1 0s 9ms/step -
accuracy: 0.8220 - loss: 0.4151
Epoch 5178/10000
1/1 0s 9ms/step -
accuracy: 0.8220 - loss: 0.4151
Epoch 5179/10000
1/1 0s 16ms/step -
accuracy: 0.8220 - loss: 0.4151
Epoch 5180/10000
1/1 0s 29ms/step -
accuracy: 0.8220 - loss: 0.4151
Epoch 5181/10000
1/1 0s 17ms/step -
accuracy: 0.8220 - loss: 0.4151
Epoch 5182/10000
1/1 0s 10ms/step -
accuracy: 0.8220 - loss: 0.4151
Epoch 5183/10000
1/1 0s 10ms/step -
accuracy: 0.8220 - loss: 0.4151
Epoch 5184/10000
1/1 0s 9ms/step -
accuracy: 0.8220 - loss: 0.4150
Epoch 5185/10000
1/1 0s 9ms/step -
accuracy: 0.8220 - loss: 0.4150
Epoch 5186/10000
1/1 0s 9ms/step -
accuracy: 0.8220 - loss: 0.4150
Epoch 5187/10000
1/1 0s 9ms/step -
accuracy: 0.8220 - loss: 0.4150
Epoch 5188/10000
1/1 0s 9ms/step -

accuracy: 0.8220 - loss: 0.4150
Epoch 5189/10000
1/1 0s 10ms/step -
accuracy: 0.8220 - loss: 0.4150
Epoch 5190/10000
1/1 0s 10ms/step -
accuracy: 0.8221 - loss: 0.4150
Epoch 5191/10000
1/1 0s 10ms/step -
accuracy: 0.8220 - loss: 0.4150
Epoch 5192/10000
1/1 0s 10ms/step -
accuracy: 0.8220 - loss: 0.4149
Epoch 5193/10000
1/1 0s 9ms/step -
accuracy: 0.8220 - loss: 0.4149
Epoch 5194/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4149
Epoch 5195/10000
1/1 0s 18ms/step -
accuracy: 0.8221 - loss: 0.4149
Epoch 5196/10000
1/1 0s 26ms/step -
accuracy: 0.8221 - loss: 0.4149
Epoch 5197/10000
1/1 0s 17ms/step -
accuracy: 0.8221 - loss: 0.4149
Epoch 5198/10000
1/1 0s 11ms/step -
accuracy: 0.8221 - loss: 0.4149
Epoch 5199/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4149
Epoch 5200/10000
1/1 0s 10ms/step -
accuracy: 0.8221 - loss: 0.4149
Epoch 5201/10000
1/1 0s 10ms/step -
accuracy: 0.8221 - loss: 0.4148
Epoch 5202/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4148
Epoch 5203/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4148
Epoch 5204/10000
1/1 0s 9ms/step -

accuracy: 0.8221 - loss: 0.4148
Epoch 5205/10000
1/1 0s 10ms/step -
accuracy: 0.8221 - loss: 0.4148
Epoch 5206/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4148
Epoch 5207/10000
1/1 0s 10ms/step -
accuracy: 0.8221 - loss: 0.4148
Epoch 5208/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4148
Epoch 5209/10000
1/1 0s 10ms/step -
accuracy: 0.8221 - loss: 0.4148
Epoch 5210/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4147
Epoch 5211/10000
1/1 0s 16ms/step -
accuracy: 0.8221 - loss: 0.4147
Epoch 5212/10000
1/1 0s 28ms/step -
accuracy: 0.8221 - loss: 0.4147
Epoch 5213/10000
1/1 0s 19ms/step -
accuracy: 0.8221 - loss: 0.4147
Epoch 5214/10000
1/1 0s 11ms/step -
accuracy: 0.8221 - loss: 0.4147
Epoch 5215/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4147
Epoch 5216/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4147
Epoch 5217/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4147
Epoch 5218/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4146
Epoch 5219/10000
1/1 0s 9ms/step -
accuracy: 0.8221 - loss: 0.4146
Epoch 5220/10000
1/1 0s 9ms/step -

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accuracy: 0.8221 - loss: 0.4146
Epoch 5221/10000
1/1          0s 10ms/step -
accuracy: 0.8221 - loss: 0.4146
Epoch 5222/10000
1/1          0s 9ms/step -
accuracy: 0.8221 - loss: 0.4146
Epoch 5223/10000
1/1          0s 10ms/step -
accuracy: 0.8221 - loss: 0.4146
Epoch 5224/10000
1/1          0s 9ms/step -
accuracy: 0.8221 - loss: 0.4146
Epoch 5225/10000
1/1          0s 13ms/step -
accuracy: 0.8221 - loss: 0.4146
Epoch 5226/10000
1/1          0s 9ms/step -
accuracy: 0.8221 - loss: 0.4146
Epoch 5227/10000
1/1          0s 26ms/step -
accuracy: 0.8221 - loss: 0.4145
Epoch 5228/10000
1/1          0s 23ms/step -
accuracy: 0.8221 - loss: 0.4145
Epoch 5229/10000
1/1          0s 16ms/step -
accuracy: 0.8221 - loss: 0.4145
Epoch 5230/10000
1/1          0s 10ms/step -
accuracy: 0.8221 - loss: 0.4145
Epoch 5231/10000
1/1          0s 10ms/step -
accuracy: 0.8221 - loss: 0.4145
Epoch 5232/10000
1/1          0s 9ms/step -
accuracy: 0.8221 - loss: 0.4145
Epoch 5233/10000
1/1          0s 9ms/step -
accuracy: 0.8221 - loss: 0.4145
Epoch 5234/10000
1/1          0s 9ms/step -
accuracy: 0.8222 - loss: 0.4145
Epoch 5235/10000
1/1          0s 9ms/step -
accuracy: 0.8222 - loss: 0.4145
Epoch 5236/10000
1/1          0s 10ms/step -

```

accuracy: 0.8222 - loss: 0.4144
Epoch 5237/10000
1/1 0s 9ms/step -
accuracy: 0.8222 - loss: 0.4144
Epoch 5238/10000
1/1 0s 10ms/step -
accuracy: 0.8222 - loss: 0.4144
Epoch 5239/10000
1/1 0s 9ms/step -
accuracy: 0.8222 - loss: 0.4144
Epoch 5240/10000
1/1 0s 10ms/step -
accuracy: 0.8223 - loss: 0.4144
Epoch 5241/10000
1/1 0s 9ms/step -
accuracy: 0.8223 - loss: 0.4144
Epoch 5242/10000
1/1 0s 11ms/step -
accuracy: 0.8223 - loss: 0.4144
Epoch 5243/10000
1/1 0s 17ms/step -
accuracy: 0.8223 - loss: 0.4144
Epoch 5244/10000
1/1 0s 26ms/step -
accuracy: 0.8223 - loss: 0.4143
Epoch 5245/10000
1/1 0s 17ms/step -
accuracy: 0.8223 - loss: 0.4143
Epoch 5246/10000
1/1 0s 12ms/step -
accuracy: 0.8224 - loss: 0.4143
Epoch 5247/10000
1/1 0s 10ms/step -
accuracy: 0.8224 - loss: 0.4143
Epoch 5248/10000
1/1 0s 9ms/step -
accuracy: 0.8224 - loss: 0.4143
Epoch 5249/10000
1/1 0s 10ms/step -
accuracy: 0.8224 - loss: 0.4143
Epoch 5250/10000
1/1 0s 9ms/step -
accuracy: 0.8228 - loss: 0.4143
Epoch 5251/10000
1/1 0s 9ms/step -
accuracy: 0.8228 - loss: 0.4143
Epoch 5252/10000
1/1 0s 9ms/step -

accuracy: 0.8228 - loss: 0.4143
Epoch 5253/10000
1/1 0s 9ms/step -
accuracy: 0.8228 - loss: 0.4142
Epoch 5254/10000
1/1 0s 10ms/step -
accuracy: 0.8228 - loss: 0.4142
Epoch 5255/10000
1/1 0s 10ms/step -
accuracy: 0.8228 - loss: 0.4142
Epoch 5256/10000
1/1 0s 9ms/step -
accuracy: 0.8228 - loss: 0.4142
Epoch 5257/10000
1/1 0s 21ms/step -
accuracy: 0.8228 - loss: 0.4142
Epoch 5258/10000
1/1 0s 28ms/step -
accuracy: 0.8229 - loss: 0.4142
Epoch 5259/10000
1/1 0s 16ms/step -
accuracy: 0.8230 - loss: 0.4142
Epoch 5260/10000
1/1 0s 10ms/step -
accuracy: 0.8230 - loss: 0.4142
Epoch 5261/10000
1/1 0s 10ms/step -
accuracy: 0.8230 - loss: 0.4142
Epoch 5262/10000
1/1 0s 10ms/step -
accuracy: 0.8230 - loss: 0.4141
Epoch 5263/10000
1/1 0s 9ms/step -
accuracy: 0.8230 - loss: 0.4141
Epoch 5264/10000
1/1 0s 10ms/step -
accuracy: 0.8230 - loss: 0.4141
Epoch 5265/10000
1/1 0s 9ms/step -
accuracy: 0.8230 - loss: 0.4141
Epoch 5266/10000
1/1 0s 9ms/step -
accuracy: 0.8230 - loss: 0.4141
Epoch 5267/10000
1/1 0s 9ms/step -
accuracy: 0.8230 - loss: 0.4141
Epoch 5268/10000
1/1 0s 9ms/step -

accuracy: 0.8231 - loss: 0.4141
Epoch 5269/10000
1/1 0s 9ms/step -
accuracy: 0.8231 - loss: 0.4141
Epoch 5270/10000
1/1 0s 9ms/step -
accuracy: 0.8231 - loss: 0.4140
Epoch 5271/10000
1/1 0s 9ms/step -
accuracy: 0.8231 - loss: 0.4140
Epoch 5272/10000
1/1 0s 27ms/step -
accuracy: 0.8231 - loss: 0.4140
Epoch 5273/10000
1/1 0s 40ms/step -
accuracy: 0.8231 - loss: 0.4140
Epoch 5274/10000
1/1 0s 19ms/step -
accuracy: 0.8231 - loss: 0.4140
Epoch 5275/10000
1/1 0s 15ms/step -
accuracy: 0.8231 - loss: 0.4140
Epoch 5276/10000
1/1 0s 10ms/step -
accuracy: 0.8231 - loss: 0.4140
Epoch 5277/10000
1/1 0s 9ms/step -
accuracy: 0.8231 - loss: 0.4140
Epoch 5278/10000
1/1 0s 9ms/step -
accuracy: 0.8231 - loss: 0.4140
Epoch 5279/10000
1/1 0s 9ms/step -
accuracy: 0.8232 - loss: 0.4139
Epoch 5280/10000
1/1 0s 9ms/step -
accuracy: 0.8232 - loss: 0.4139
Epoch 5281/10000
1/1 0s 10ms/step -
accuracy: 0.8232 - loss: 0.4139
Epoch 5282/10000
1/1 0s 10ms/step -
accuracy: 0.8232 - loss: 0.4139
Epoch 5283/10000
1/1 0s 9ms/step -
accuracy: 0.8232 - loss: 0.4139
Epoch 5284/10000
1/1 0s 9ms/step -

accuracy: 0.8232 - loss: 0.4139
Epoch 5285/10000
1/1 0s 23ms/step -
accuracy: 0.8232 - loss: 0.4139
Epoch 5286/10000
1/1 0s 30ms/step -
accuracy: 0.8232 - loss: 0.4139
Epoch 5287/10000
1/1 0s 18ms/step -
accuracy: 0.8232 - loss: 0.4139
Epoch 5288/10000
1/1 0s 11ms/step -
accuracy: 0.8231 - loss: 0.4138
Epoch 5289/10000
1/1 0s 11ms/step -
accuracy: 0.8230 - loss: 0.4138
Epoch 5290/10000
1/1 0s 11ms/step -
accuracy: 0.8231 - loss: 0.4138
Epoch 5291/10000
1/1 0s 23ms/step -
accuracy: 0.8231 - loss: 0.4138
Epoch 5292/10000
1/1 0s 46ms/step -
accuracy: 0.8231 - loss: 0.4138
Epoch 5293/10000
1/1 0s 18ms/step -
accuracy: 0.8231 - loss: 0.4138
Epoch 5294/10000
1/1 0s 16ms/step -
accuracy: 0.8231 - loss: 0.4138
Epoch 5295/10000
1/1 0s 11ms/step -
accuracy: 0.8231 - loss: 0.4138
Epoch 5296/10000
1/1 0s 21ms/step -
accuracy: 0.8231 - loss: 0.4138
Epoch 5297/10000
1/1 0s 13ms/step -
accuracy: 0.8231 - loss: 0.4137
Epoch 5298/10000
1/1 0s 22ms/step -
accuracy: 0.8233 - loss: 0.4137
Epoch 5299/10000
1/1 0s 11ms/step -
accuracy: 0.8233 - loss: 0.4137
Epoch 5300/10000
1/1 0s 11ms/step -

accuracy: 0.8235 - loss: 0.4137
Epoch 5301/10000
1/1 0s 28ms/step -
accuracy: 0.8236 - loss: 0.4137
Epoch 5302/10000
1/1 0s 36ms/step -
accuracy: 0.8236 - loss: 0.4137
Epoch 5303/10000
1/1 0s 33ms/step -
accuracy: 0.8236 - loss: 0.4137
Epoch 5304/10000
1/1 0s 12ms/step -
accuracy: 0.8239 - loss: 0.4137
Epoch 5305/10000
1/1 0s 32ms/step -
accuracy: 0.8240 - loss: 0.4137
Epoch 5306/10000
1/1 0s 12ms/step -
accuracy: 0.8240 - loss: 0.4136
Epoch 5307/10000
1/1 0s 31ms/step -
accuracy: 0.8240 - loss: 0.4136
Epoch 5308/10000
1/1 0s 11ms/step -
accuracy: 0.8240 - loss: 0.4136
Epoch 5309/10000
1/1 0s 11ms/step -
accuracy: 0.8240 - loss: 0.4136
Epoch 5310/10000
1/1 0s 27ms/step -
accuracy: 0.8240 - loss: 0.4136
Epoch 5311/10000
1/1 0s 47ms/step -
accuracy: 0.8240 - loss: 0.4136
Epoch 5312/10000
1/1 0s 26ms/step -
accuracy: 0.8240 - loss: 0.4136
Epoch 5313/10000
1/1 0s 12ms/step -
accuracy: 0.8240 - loss: 0.4136
Epoch 5314/10000
1/1 0s 39ms/step -
accuracy: 0.8240 - loss: 0.4135
Epoch 5315/10000
1/1 0s 14ms/step -
accuracy: 0.8240 - loss: 0.4135
Epoch 5316/10000
1/1 0s 14ms/step -

accuracy: 0.8241 - loss: 0.4135
Epoch 5317/10000
1/1 0s 10ms/step -
accuracy: 0.8241 - loss: 0.4135
Epoch 5318/10000
1/1 0s 10ms/step -
accuracy: 0.8242 - loss: 0.4135
Epoch 5319/10000
1/1 0s 10ms/step -
accuracy: 0.8242 - loss: 0.4135
Epoch 5320/10000
1/1 0s 24ms/step -
accuracy: 0.8242 - loss: 0.4135
Epoch 5321/10000
1/1 0s 26ms/step -
accuracy: 0.8243 - loss: 0.4135
Epoch 5322/10000
1/1 0s 18ms/step -
accuracy: 0.8243 - loss: 0.4135
Epoch 5323/10000
1/1 0s 11ms/step -
accuracy: 0.8243 - loss: 0.4134
Epoch 5324/10000
1/1 0s 12ms/step -
accuracy: 0.8243 - loss: 0.4134
Epoch 5325/10000
1/1 0s 13ms/step -
accuracy: 0.8243 - loss: 0.4134
Epoch 5326/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4134
Epoch 5327/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4134
Epoch 5328/10000
1/1 0s 9ms/step -
accuracy: 0.8243 - loss: 0.4134
Epoch 5329/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4134
Epoch 5330/10000
1/1 0s 9ms/step -
accuracy: 0.8243 - loss: 0.4134
Epoch 5331/10000
1/1 0s 9ms/step -
accuracy: 0.8243 - loss: 0.4134
Epoch 5332/10000
1/1 0s 10ms/step -

accuracy: 0.8243 - loss: 0.4133
Epoch 5333/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4133
Epoch 5334/10000
1/1 0s 9ms/step -
accuracy: 0.8243 - loss: 0.4133
Epoch 5335/10000
1/1 0s 29ms/step -
accuracy: 0.8243 - loss: 0.4133
Epoch 5336/10000
1/1 0s 23ms/step -
accuracy: 0.8243 - loss: 0.4133
Epoch 5337/10000
1/1 0s 16ms/step -
accuracy: 0.8243 - loss: 0.4133
Epoch 5338/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4133
Epoch 5339/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4133
Epoch 5340/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4133
Epoch 5341/10000
1/1 0s 9ms/step -
accuracy: 0.8243 - loss: 0.4132
Epoch 5342/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4132
Epoch 5343/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4132
Epoch 5344/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4132
Epoch 5345/10000
1/1 0s 9ms/step -
accuracy: 0.8243 - loss: 0.4132
Epoch 5346/10000
1/1 0s 9ms/step -
accuracy: 0.8243 - loss: 0.4132
Epoch 5347/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4132
Epoch 5348/10000
1/1 0s 9ms/step -

accuracy: 0.8243 - loss: 0.4132
Epoch 5349/10000
1/1 0s 10ms/step -
accuracy: 0.8243 - loss: 0.4132
Epoch 5350/10000
1/1 0s 13ms/step -
accuracy: 0.8243 - loss: 0.4131
Epoch 5351/10000
1/1 0s 38ms/step -
accuracy: 0.8244 - loss: 0.4131
Epoch 5352/10000
1/1 0s 16ms/step -
accuracy: 0.8244 - loss: 0.4131
Epoch 5353/10000
1/1 0s 10ms/step -
accuracy: 0.8244 - loss: 0.4131
Epoch 5354/10000
1/1 0s 9ms/step -
accuracy: 0.8244 - loss: 0.4131
Epoch 5355/10000
1/1 0s 10ms/step -
accuracy: 0.8244 - loss: 0.4131
Epoch 5356/10000
1/1 0s 10ms/step -
accuracy: 0.8244 - loss: 0.4131
Epoch 5357/10000
1/1 0s 10ms/step -
accuracy: 0.8244 - loss: 0.4131
Epoch 5358/10000
1/1 0s 10ms/step -
accuracy: 0.8244 - loss: 0.4131
Epoch 5359/10000
1/1 0s 10ms/step -
accuracy: 0.8244 - loss: 0.4130
Epoch 5360/10000
1/1 0s 9ms/step -
accuracy: 0.8244 - loss: 0.4130
Epoch 5361/10000
1/1 0s 10ms/step -
accuracy: 0.8245 - loss: 0.4130
Epoch 5362/10000
1/1 0s 10ms/step -
accuracy: 0.8245 - loss: 0.4130
Epoch 5363/10000
1/1 0s 10ms/step -
accuracy: 0.8245 - loss: 0.4130
Epoch 5364/10000
1/1 0s 10ms/step -

```

accuracy: 0.8245 - loss: 0.4130
Epoch 5365/10000
1/1          0s 10ms/step -
accuracy: 0.8245 - loss: 0.4130
Epoch 5366/10000
1/1          0s 12ms/step -
accuracy: 0.8244 - loss: 0.4130
Epoch 5367/10000
1/1          0s 26ms/step -
accuracy: 0.8244 - loss: 0.4130
Epoch 5368/10000
1/1          0s 18ms/step -
accuracy: 0.8244 - loss: 0.4129
Epoch 5369/10000
1/1          0s 16ms/step -
accuracy: 0.8244 - loss: 0.4129
Epoch 5370/10000
1/1          0s 10ms/step -
accuracy: 0.8244 - loss: 0.4129
Epoch 5371/10000
1/1          0s 9ms/step -
accuracy: 0.8244 - loss: 0.4129
Epoch 5372/10000
1/1          0s 11ms/step -
accuracy: 0.8243 - loss: 0.4129
Epoch 5373/10000
1/1          0s 25ms/step -
accuracy: 0.8243 - loss: 0.4129
Epoch 5374/10000
1/1          0s 26ms/step -
accuracy: 0.8243 - loss: 0.4129
Epoch 5375/10000
1/1          0s 16ms/step -
accuracy: 0.8243 - loss: 0.4129
Epoch 5376/10000
1/1          0s 10ms/step -
accuracy: 0.8243 - loss: 0.4129
Epoch 5377/10000
1/1          0s 10ms/step -
accuracy: 0.8243 - loss: 0.4128
Epoch 5378/10000
1/1          0s 9ms/step -
accuracy: 0.8243 - loss: 0.4128
Epoch 5379/10000
1/1          0s 9ms/step -
accuracy: 0.8243 - loss: 0.4128
Epoch 5380/10000
1/1          0s 9ms/step -

```

accuracy: 0.8243 - loss: 0.4128
Epoch 5381/10000
1/1 0s 9ms/step -
accuracy: 0.8242 - loss: 0.4128
Epoch 5382/10000
1/1 0s 9ms/step -
accuracy: 0.8242 - loss: 0.4128
Epoch 5383/10000
1/1 0s 9ms/step -
accuracy: 0.8242 - loss: 0.4128
Epoch 5384/10000
1/1 0s 10ms/step -
accuracy: 0.8242 - loss: 0.4128
Epoch 5385/10000
1/1 0s 9ms/step -
accuracy: 0.8242 - loss: 0.4128
Epoch 5386/10000
1/1 0s 10ms/step -
accuracy: 0.8242 - loss: 0.4127
Epoch 5387/10000
1/1 0s 10ms/step -
accuracy: 0.8242 - loss: 0.4127
Epoch 5388/10000
1/1 0s 9ms/step -
accuracy: 0.8242 - loss: 0.4127
Epoch 5389/10000
1/1 0s 61ms/step -
accuracy: 0.8242 - loss: 0.4127
Epoch 5390/10000
1/1 0s 16ms/step -
accuracy: 0.8242 - loss: 0.4127
Epoch 5391/10000
1/1 0s 10ms/step -
accuracy: 0.8242 - loss: 0.4127
Epoch 5392/10000
1/1 0s 18ms/step -
accuracy: 0.8242 - loss: 0.4127
Epoch 5393/10000
1/1 0s 18ms/step -
accuracy: 0.8242 - loss: 0.4127
Epoch 5394/10000
1/1 0s 61ms/step -
accuracy: 0.8242 - loss: 0.4127
Epoch 5395/10000
1/1 0s 13ms/step -
accuracy: 0.8242 - loss: 0.4126
Epoch 5396/10000
1/1 0s 15ms/step -

accuracy: 0.8242 - loss: 0.4126
Epoch 5397/10000
1/1 0s 11ms/step -
accuracy: 0.8242 - loss: 0.4126
Epoch 5398/10000
1/1 0s 11ms/step -
accuracy: 0.8242 - loss: 0.4126
Epoch 5399/10000
1/1 0s 39ms/step -
accuracy: 0.8242 - loss: 0.4126
Epoch 5400/10000
1/1 0s 15ms/step -
accuracy: 0.8244 - loss: 0.4126
Epoch 5401/10000
1/1 0s 11ms/step -
accuracy: 0.8245 - loss: 0.4126
Epoch 5402/10000
1/1 0s 10ms/step -
accuracy: 0.8245 - loss: 0.4126
Epoch 5403/10000
1/1 0s 10ms/step -
accuracy: 0.8245 - loss: 0.4126
Epoch 5404/10000
1/1 0s 10ms/step -
accuracy: 0.8245 - loss: 0.4125
Epoch 5405/10000
1/1 0s 9ms/step -
accuracy: 0.8245 - loss: 0.4125
Epoch 5406/10000
1/1 0s 9ms/step -
accuracy: 0.8245 - loss: 0.4125
Epoch 5407/10000
1/1 0s 27ms/step -
accuracy: 0.8245 - loss: 0.4125
Epoch 5408/10000
1/1 0s 20ms/step -
accuracy: 0.8245 - loss: 0.4125
Epoch 5409/10000
1/1 0s 16ms/step -
accuracy: 0.8245 - loss: 0.4125
Epoch 5410/10000
1/1 0s 11ms/step -
accuracy: 0.8245 - loss: 0.4125
Epoch 5411/10000
1/1 0s 15ms/step -
accuracy: 0.8245 - loss: 0.4125
Epoch 5412/10000
1/1 0s 11ms/step -

accuracy: 0.8246 - loss: 0.4125
Epoch 5413/10000
1/1 0s 9ms/step -
accuracy: 0.8246 - loss: 0.4124
Epoch 5414/10000
1/1 0s 10ms/step -
accuracy: 0.8251 - loss: 0.4124
Epoch 5415/10000
1/1 0s 10ms/step -
accuracy: 0.8251 - loss: 0.4124
Epoch 5416/10000
1/1 0s 9ms/step -
accuracy: 0.8251 - loss: 0.4124
Epoch 5417/10000
1/1 0s 9ms/step -
accuracy: 0.8251 - loss: 0.4124
Epoch 5418/10000
1/1 0s 10ms/step -
accuracy: 0.8251 - loss: 0.4124
Epoch 5419/10000
1/1 0s 10ms/step -
accuracy: 0.8251 - loss: 0.4124
Epoch 5420/10000
1/1 0s 9ms/step -
accuracy: 0.8251 - loss: 0.4124
Epoch 5421/10000
1/1 0s 9ms/step -
accuracy: 0.8252 - loss: 0.4124
Epoch 5422/10000
1/1 0s 27ms/step -
accuracy: 0.8252 - loss: 0.4123
Epoch 5423/10000
1/1 0s 23ms/step -
accuracy: 0.8252 - loss: 0.4123
Epoch 5424/10000
1/1 0s 14ms/step -
accuracy: 0.8252 - loss: 0.4123
Epoch 5425/10000
1/1 0s 10ms/step -
accuracy: 0.8252 - loss: 0.4123
Epoch 5426/10000
1/1 0s 10ms/step -
accuracy: 0.8252 - loss: 0.4123
Epoch 5427/10000
1/1 0s 9ms/step -
accuracy: 0.8252 - loss: 0.4123
Epoch 5428/10000
1/1 0s 10ms/step -

accuracy: 0.8252 - loss: 0.4123
Epoch 5429/10000
1/1 0s 10ms/step -
accuracy: 0.8252 - loss: 0.4123
Epoch 5430/10000
1/1 0s 10ms/step -
accuracy: 0.8252 - loss: 0.4123
Epoch 5431/10000
1/1 0s 9ms/step -
accuracy: 0.8252 - loss: 0.4123
Epoch 5432/10000
1/1 0s 10ms/step -
accuracy: 0.8252 - loss: 0.4122
Epoch 5433/10000
1/1 0s 9ms/step -
accuracy: 0.8252 - loss: 0.4122
Epoch 5434/10000
1/1 0s 9ms/step -
accuracy: 0.8252 - loss: 0.4122
Epoch 5435/10000
1/1 0s 9ms/step -
accuracy: 0.8252 - loss: 0.4122
Epoch 5436/10000
1/1 0s 9ms/step -
accuracy: 0.8252 - loss: 0.4122
Epoch 5437/10000
1/1 0s 9ms/step -
accuracy: 0.8252 - loss: 0.4122
Epoch 5438/10000
1/1 0s 15ms/step -
accuracy: 0.8252 - loss: 0.4122
Epoch 5439/10000
1/1 0s 31ms/step -
accuracy: 0.8252 - loss: 0.4122
Epoch 5440/10000
1/1 0s 17ms/step -
accuracy: 0.8252 - loss: 0.4122
Epoch 5441/10000
1/1 0s 9ms/step -
accuracy: 0.8252 - loss: 0.4121
Epoch 5442/10000
1/1 0s 10ms/step -
accuracy: 0.8253 - loss: 0.4121
Epoch 5443/10000
1/1 0s 10ms/step -
accuracy: 0.8253 - loss: 0.4121
Epoch 5444/10000
1/1 0s 10ms/step -

accuracy: 0.8256 - loss: 0.4121
Epoch 5445/10000
1/1 0s 10ms/step -
accuracy: 0.8256 - loss: 0.4121
Epoch 5446/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4121
Epoch 5447/10000
1/1 0s 10ms/step -
accuracy: 0.8256 - loss: 0.4121
Epoch 5448/10000
1/1 0s 9ms/step -
accuracy: 0.8257 - loss: 0.4121
Epoch 5449/10000
1/1 0s 10ms/step -
accuracy: 0.8256 - loss: 0.4121
Epoch 5450/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4120
Epoch 5451/10000
1/1 0s 10ms/step -
accuracy: 0.8256 - loss: 0.4120
Epoch 5452/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4120
Epoch 5453/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4120
Epoch 5454/10000
1/1 0s 23ms/step -
accuracy: 0.8258 - loss: 0.4120
Epoch 5455/10000
1/1 0s 25ms/step -
accuracy: 0.8258 - loss: 0.4120
Epoch 5456/10000
1/1 0s 16ms/step -
accuracy: 0.8259 - loss: 0.4120
Epoch 5457/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4120
Epoch 5458/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4120
Epoch 5459/10000
1/1 0s 9ms/step -
accuracy: 0.8259 - loss: 0.4119
Epoch 5460/10000
1/1 0s 9ms/step -

accuracy: 0.8259 - loss: 0.4119
Epoch 5461/10000
1/1 0s 9ms/step -
accuracy: 0.8259 - loss: 0.4119
Epoch 5462/10000
1/1 0s 9ms/step -
accuracy: 0.8259 - loss: 0.4119
Epoch 5463/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4119
Epoch 5464/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4119
Epoch 5465/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4119
Epoch 5466/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4119
Epoch 5467/10000
1/1 0s 9ms/step -
accuracy: 0.8259 - loss: 0.4119
Epoch 5468/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4118
Epoch 5469/10000
1/1 0s 9ms/step -
accuracy: 0.8259 - loss: 0.4118
Epoch 5470/10000
1/1 0s 9ms/step -
accuracy: 0.8259 - loss: 0.4118
Epoch 5471/10000
1/1 0s 29ms/step -
accuracy: 0.8259 - loss: 0.4118
Epoch 5472/10000
1/1 0s 18ms/step -
accuracy: 0.8259 - loss: 0.4118
Epoch 5473/10000
1/1 0s 14ms/step -
accuracy: 0.8259 - loss: 0.4118
Epoch 5474/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4118
Epoch 5475/10000
1/1 0s 9ms/step -
accuracy: 0.8259 - loss: 0.4118
Epoch 5476/10000
1/1 0s 9ms/step -

accuracy: 0.8259 - loss: 0.4118
Epoch 5477/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4118
Epoch 5478/10000
1/1 0s 9ms/step -
accuracy: 0.8259 - loss: 0.4117
Epoch 5479/10000
1/1 0s 10ms/step -
accuracy: 0.8259 - loss: 0.4117
Epoch 5480/10000
1/1 0s 10ms/step -
accuracy: 0.8258 - loss: 0.4117
Epoch 5481/10000
1/1 0s 10ms/step -
accuracy: 0.8258 - loss: 0.4117
Epoch 5482/10000
1/1 0s 9ms/step -
accuracy: 0.8258 - loss: 0.4117
Epoch 5483/10000
1/1 0s 10ms/step -
accuracy: 0.8258 - loss: 0.4117
Epoch 5484/10000
1/1 0s 10ms/step -
accuracy: 0.8258 - loss: 0.4117
Epoch 5485/10000
1/1 0s 9ms/step -
accuracy: 0.8258 - loss: 0.4117
Epoch 5486/10000
1/1 0s 10ms/step -
accuracy: 0.8258 - loss: 0.4117
Epoch 5487/10000
1/1 0s 19ms/step -
accuracy: 0.8258 - loss: 0.4116
Epoch 5488/10000
1/1 0s 32ms/step -
accuracy: 0.8258 - loss: 0.4116
Epoch 5489/10000
1/1 0s 15ms/step -
accuracy: 0.8258 - loss: 0.4116
Epoch 5490/10000
1/1 0s 10ms/step -
accuracy: 0.8258 - loss: 0.4116
Epoch 5491/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4116
Epoch 5492/10000
1/1 0s 10ms/step -

accuracy: 0.8256 - loss: 0.4116
Epoch 5493/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4116
Epoch 5494/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4116
Epoch 5495/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4116
Epoch 5496/10000
1/1 0s 10ms/step -
accuracy: 0.8256 - loss: 0.4115
Epoch 5497/10000
1/1 0s 11ms/step -
accuracy: 0.8256 - loss: 0.4115
Epoch 5498/10000
1/1 0s 10ms/step -
accuracy: 0.8256 - loss: 0.4115
Epoch 5499/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4115
Epoch 5500/10000
1/1 0s 9ms/step -
accuracy: 0.8256 - loss: 0.4115
Epoch 5501/10000
1/1 0s 10ms/step -
accuracy: 0.8258 - loss: 0.4115
Epoch 5502/10000
1/1 0s 9ms/step -
accuracy: 0.8258 - loss: 0.4115
Epoch 5503/10000
1/1 0s 9ms/step -
accuracy: 0.8258 - loss: 0.4115
Epoch 5504/10000
1/1 0s 34ms/step -
accuracy: 0.8258 - loss: 0.4115
Epoch 5505/10000
1/1 0s 20ms/step -
accuracy: 0.8258 - loss: 0.4115
Epoch 5506/10000
1/1 0s 12ms/step -
accuracy: 0.8258 - loss: 0.4114
Epoch 5507/10000
1/1 0s 9ms/step -
accuracy: 0.8258 - loss: 0.4114
Epoch 5508/10000
1/1 0s 10ms/step -

```

accuracy: 0.8258 - loss: 0.4114
Epoch 5509/10000
1/1          0s 10ms/step -
accuracy: 0.8258 - loss: 0.4114
Epoch 5510/10000
1/1          0s 9ms/step -
accuracy: 0.8258 - loss: 0.4114
Epoch 5511/10000
1/1          0s 9ms/step -
accuracy: 0.8258 - loss: 0.4114
Epoch 5512/10000
1/1          0s 9ms/step -
accuracy: 0.8258 - loss: 0.4114
Epoch 5513/10000
1/1          0s 9ms/step -
accuracy: 0.8258 - loss: 0.4114
Epoch 5514/10000
1/1          0s 9ms/step -
accuracy: 0.8258 - loss: 0.4114
Epoch 5515/10000
1/1          0s 9ms/step -
accuracy: 0.8258 - loss: 0.4113
Epoch 5516/10000
1/1          0s 9ms/step -
accuracy: 0.8258 - loss: 0.4113
Epoch 5517/10000
1/1          0s 10ms/step -
accuracy: 0.8258 - loss: 0.4113
Epoch 5518/10000
1/1          0s 9ms/step -
accuracy: 0.8258 - loss: 0.4113
Epoch 5519/10000
1/1          0s 21ms/step -
accuracy: 0.8258 - loss: 0.4113
Epoch 5520/10000
1/1          0s 26ms/step -
accuracy: 0.8259 - loss: 0.4113
Epoch 5521/10000
1/1          0s 16ms/step -
accuracy: 0.8259 - loss: 0.4113
Epoch 5522/10000
1/1          0s 11ms/step -
accuracy: 0.8259 - loss: 0.4113
Epoch 5523/10000
1/1          0s 11ms/step -
accuracy: 0.8259 - loss: 0.4113
Epoch 5524/10000
1/1          0s 12ms/step -

```

accuracy: 0.8260 - loss: 0.4112
Epoch 5525/10000
1/1 0s 27ms/step -
accuracy: 0.8260 - loss: 0.4112
Epoch 5526/10000
1/1 0s 24ms/step -
accuracy: 0.8260 - loss: 0.4112
Epoch 5527/10000
1/1 0s 16ms/step -
accuracy: 0.8260 - loss: 0.4112
Epoch 5528/10000
1/1 0s 10ms/step -
accuracy: 0.8260 - loss: 0.4112
Epoch 5529/10000
1/1 0s 10ms/step -
accuracy: 0.8261 - loss: 0.4112
Epoch 5530/10000
1/1 0s 10ms/step -
accuracy: 0.8261 - loss: 0.4112
Epoch 5531/10000
1/1 0s 10ms/step -
accuracy: 0.8261 - loss: 0.4112
Epoch 5532/10000
1/1 0s 9ms/step -
accuracy: 0.8261 - loss: 0.4112
Epoch 5533/10000
1/1 0s 10ms/step -
accuracy: 0.8261 - loss: 0.4112
Epoch 5534/10000
1/1 0s 10ms/step -
accuracy: 0.8261 - loss: 0.4111
Epoch 5535/10000
1/1 0s 9ms/step -
accuracy: 0.8261 - loss: 0.4111
Epoch 5536/10000
1/1 0s 9ms/step -
accuracy: 0.8261 - loss: 0.4111
Epoch 5537/10000
1/1 0s 9ms/step -
accuracy: 0.8261 - loss: 0.4111
Epoch 5538/10000
1/1 0s 9ms/step -
accuracy: 0.8262 - loss: 0.4111
Epoch 5539/10000
1/1 0s 9ms/step -
accuracy: 0.8262 - loss: 0.4111
Epoch 5540/10000
1/1 0s 9ms/step -

accuracy: 0.8262 - loss: 0.4111
Epoch 5541/10000
1/1 0s 21ms/step -
accuracy: 0.8262 - loss: 0.4111
Epoch 5542/10000
1/1 0s 25ms/step -
accuracy: 0.8262 - loss: 0.4111
Epoch 5543/10000
1/1 0s 15ms/step -
accuracy: 0.8262 - loss: 0.4110
Epoch 5544/10000
1/1 0s 12ms/step -
accuracy: 0.8262 - loss: 0.4110
Epoch 5545/10000
1/1 0s 10ms/step -
accuracy: 0.8262 - loss: 0.4110
Epoch 5546/10000
1/1 0s 10ms/step -
accuracy: 0.8262 - loss: 0.4110
Epoch 5547/10000
1/1 0s 9ms/step -
accuracy: 0.8262 - loss: 0.4110
Epoch 5548/10000
1/1 0s 9ms/step -
accuracy: 0.8262 - loss: 0.4110
Epoch 5549/10000
1/1 0s 9ms/step -
accuracy: 0.8262 - loss: 0.4110
Epoch 5550/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4110
Epoch 5551/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4110
Epoch 5552/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4110
Epoch 5553/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4109
Epoch 5554/10000
1/1 0s 10ms/step -
accuracy: 0.8263 - loss: 0.4109
Epoch 5555/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4109
Epoch 5556/10000
1/1 0s 9ms/step -

accuracy: 0.8263 - loss: 0.4109
Epoch 5557/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4109
Epoch 5558/10000
1/1 0s 26ms/step -
accuracy: 0.8263 - loss: 0.4109
Epoch 5559/10000
1/1 0s 24ms/step -
accuracy: 0.8263 - loss: 0.4109
Epoch 5560/10000
1/1 0s 16ms/step -
accuracy: 0.8263 - loss: 0.4109
Epoch 5561/10000
1/1 0s 10ms/step -
accuracy: 0.8264 - loss: 0.4109
Epoch 5562/10000
1/1 0s 10ms/step -
accuracy: 0.8264 - loss: 0.4108
Epoch 5563/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4108
Epoch 5564/10000
1/1 0s 10ms/step -
accuracy: 0.8263 - loss: 0.4108
Epoch 5565/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4108
Epoch 5566/10000
1/1 0s 10ms/step -
accuracy: 0.8263 - loss: 0.4108
Epoch 5567/10000
1/1 0s 10ms/step -
accuracy: 0.8263 - loss: 0.4108
Epoch 5568/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4108
Epoch 5569/10000
1/1 0s 9ms/step -
accuracy: 0.8263 - loss: 0.4108
Epoch 5570/10000
1/1 0s 10ms/step -
accuracy: 0.8263 - loss: 0.4108
Epoch 5571/10000
1/1 0s 10ms/step -
accuracy: 0.8263 - loss: 0.4108
Epoch 5572/10000
1/1 0s 10ms/step -

accuracy: 0.8265 - loss: 0.4107
Epoch 5573/10000
1/1 0s 9ms/step -
accuracy: 0.8266 - loss: 0.4107
Epoch 5574/10000
1/1 0s 31ms/step -
accuracy: 0.8266 - loss: 0.4107
Epoch 5575/10000
1/1 0s 19ms/step -
accuracy: 0.8266 - loss: 0.4107
Epoch 5576/10000
1/1 0s 15ms/step -
accuracy: 0.8266 - loss: 0.4107
Epoch 5577/10000
1/1 0s 10ms/step -
accuracy: 0.8266 - loss: 0.4107
Epoch 5578/10000
1/1 0s 9ms/step -
accuracy: 0.8266 - loss: 0.4107
Epoch 5579/10000
1/1 0s 9ms/step -
accuracy: 0.8266 - loss: 0.4107
Epoch 5580/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4107
Epoch 5581/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4106
Epoch 5582/10000
1/1 0s 10ms/step -
accuracy: 0.8268 - loss: 0.4106
Epoch 5583/10000
1/1 0s 10ms/step -
accuracy: 0.8268 - loss: 0.4106
Epoch 5584/10000
1/1 0s 10ms/step -
accuracy: 0.8267 - loss: 0.4106
Epoch 5585/10000
1/1 0s 9ms/step -
accuracy: 0.8267 - loss: 0.4106
Epoch 5586/10000
1/1 0s 10ms/step -
accuracy: 0.8267 - loss: 0.4106
Epoch 5587/10000
1/1 0s 9ms/step -
accuracy: 0.8267 - loss: 0.4106
Epoch 5588/10000
1/1 0s 14ms/step -

accuracy: 0.8267 - loss: 0.4106
Epoch 5589/10000
1/1 0s 29ms/step -
accuracy: 0.8267 - loss: 0.4106
Epoch 5590/10000
1/1 0s 18ms/step -
accuracy: 0.8267 - loss: 0.4106
Epoch 5591/10000
1/1 0s 12ms/step -
accuracy: 0.8267 - loss: 0.4105
Epoch 5592/10000
1/1 0s 10ms/step -
accuracy: 0.8267 - loss: 0.4105
Epoch 5593/10000
1/1 0s 9ms/step -
accuracy: 0.8267 - loss: 0.4105
Epoch 5594/10000
1/1 0s 9ms/step -
accuracy: 0.8267 - loss: 0.4105
Epoch 5595/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4105
Epoch 5596/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4105
Epoch 5597/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4105
Epoch 5598/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4105
Epoch 5599/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4105
Epoch 5600/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4104
Epoch 5601/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4104
Epoch 5602/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4104
Epoch 5603/10000
1/1 0s 9ms/step -
accuracy: 0.8268 - loss: 0.4104
Epoch 5604/10000
1/1 0s 14ms/step -

accuracy: 0.8268 - loss: 0.4104
Epoch 5605/10000
1/1 0s 28ms/step -
accuracy: 0.8269 - loss: 0.4104
Epoch 5606/10000
1/1 0s 19ms/step -
accuracy: 0.8269 - loss: 0.4104
Epoch 5607/10000
1/1 0s 10ms/step -
accuracy: 0.8269 - loss: 0.4104
Epoch 5608/10000
1/1 0s 10ms/step -
accuracy: 0.8269 - loss: 0.4104
Epoch 5609/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4104
Epoch 5610/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4103
Epoch 5611/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4103
Epoch 5612/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4103
Epoch 5613/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4103
Epoch 5614/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4103
Epoch 5615/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4103
Epoch 5616/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4103
Epoch 5617/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4103
Epoch 5618/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4103
Epoch 5619/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4102
Epoch 5620/10000
1/1 0s 14ms/step -

accuracy: 0.8270 - loss: 0.4102
Epoch 5621/10000
1/1 0s 30ms/step -
accuracy: 0.8270 - loss: 0.4102
Epoch 5622/10000
1/1 0s 17ms/step -
accuracy: 0.8270 - loss: 0.4102
Epoch 5623/10000
1/1 0s 11ms/step -
accuracy: 0.8270 - loss: 0.4102
Epoch 5624/10000
1/1 0s 10ms/step -
accuracy: 0.8270 - loss: 0.4102
Epoch 5625/10000
1/1 0s 10ms/step -
accuracy: 0.8270 - loss: 0.4102
Epoch 5626/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4102
Epoch 5627/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4102
Epoch 5628/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4102
Epoch 5629/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4101
Epoch 5630/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4101
Epoch 5631/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4101
Epoch 5632/10000
1/1 0s 10ms/step -
accuracy: 0.8270 - loss: 0.4101
Epoch 5633/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4101
Epoch 5634/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4101
Epoch 5635/10000
1/1 0s 9ms/step -
accuracy: 0.8270 - loss: 0.4101
Epoch 5636/10000
1/1 0s 15ms/step -

```

accuracy: 0.8270 - loss: 0.4101
Epoch 5637/10000
1/1          0s 28ms/step -
accuracy: 0.8270 - loss: 0.4101
Epoch 5638/10000
1/1          0s 14ms/step -
accuracy: 0.8270 - loss: 0.4101
Epoch 5639/10000
1/1          0s 14ms/step -
accuracy: 0.8270 - loss: 0.4100
Epoch 5640/10000
1/1          0s 12ms/step -
accuracy: 0.8270 - loss: 0.4100
Epoch 5641/10000
1/1          0s 15ms/step -
accuracy: 0.8270 - loss: 0.4100
Epoch 5642/10000
1/1          0s 10ms/step -
accuracy: 0.8270 - loss: 0.4100
Epoch 5643/10000
1/1          0s 10ms/step -
accuracy: 0.8270 - loss: 0.4100
Epoch 5644/10000
1/1          0s 9ms/step -
accuracy: 0.8271 - loss: 0.4100
Epoch 5645/10000
1/1          0s 10ms/step -
accuracy: 0.8270 - loss: 0.4100
Epoch 5646/10000
1/1          0s 10ms/step -
accuracy: 0.8270 - loss: 0.4100
Epoch 5647/10000
1/1          0s 10ms/step -
accuracy: 0.8271 - loss: 0.4100
Epoch 5648/10000
1/1          0s 9ms/step -
accuracy: 0.8272 - loss: 0.4100
Epoch 5649/10000
1/1          0s 9ms/step -
accuracy: 0.8272 - loss: 0.4099
Epoch 5650/10000
1/1          0s 9ms/step -
accuracy: 0.8272 - loss: 0.4099
Epoch 5651/10000
1/1          0s 10ms/step -
accuracy: 0.8272 - loss: 0.4099
Epoch 5652/10000
1/1          0s 28ms/step -

```

accuracy: 0.8272 - loss: 0.4099
Epoch 5653/10000
1/1 0s 24ms/step -
accuracy: 0.8272 - loss: 0.4099
Epoch 5654/10000
1/1 0s 16ms/step -
accuracy: 0.8272 - loss: 0.4099
Epoch 5655/10000
1/1 0s 10ms/step -
accuracy: 0.8273 - loss: 0.4099
Epoch 5656/10000
1/1 0s 10ms/step -
accuracy: 0.8273 - loss: 0.4099
Epoch 5657/10000
1/1 0s 9ms/step -
accuracy: 0.8273 - loss: 0.4099
Epoch 5658/10000
1/1 0s 9ms/step -
accuracy: 0.8273 - loss: 0.4098
Epoch 5659/10000
1/1 0s 9ms/step -
accuracy: 0.8273 - loss: 0.4098
Epoch 5660/10000
1/1 0s 9ms/step -
accuracy: 0.8273 - loss: 0.4098
Epoch 5661/10000
1/1 0s 10ms/step -
accuracy: 0.8273 - loss: 0.4098
Epoch 5662/10000
1/1 0s 10ms/step -
accuracy: 0.8272 - loss: 0.4098
Epoch 5663/10000
1/1 0s 9ms/step -
accuracy: 0.8272 - loss: 0.4098
Epoch 5664/10000
1/1 0s 9ms/step -
accuracy: 0.8272 - loss: 0.4098
Epoch 5665/10000
1/1 0s 9ms/step -
accuracy: 0.8273 - loss: 0.4098
Epoch 5666/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4098
Epoch 5667/10000
1/1 0s 10ms/step -
accuracy: 0.8273 - loss: 0.4098
Epoch 5668/10000
1/1 0s 26ms/step -

```

accuracy: 0.8272 - loss: 0.4097
Epoch 5669/10000
1/1          0s 25ms/step -
accuracy: 0.8272 - loss: 0.4097
Epoch 5670/10000
1/1          0s 15ms/step -
accuracy: 0.8272 - loss: 0.4097
Epoch 5671/10000
1/1          0s 10ms/step -
accuracy: 0.8272 - loss: 0.4097
Epoch 5672/10000
1/1          0s 10ms/step -
accuracy: 0.8272 - loss: 0.4097
Epoch 5673/10000
1/1          0s 9ms/step -
accuracy: 0.8272 - loss: 0.4097
Epoch 5674/10000
1/1          0s 9ms/step -
accuracy: 0.8272 - loss: 0.4097
Epoch 5675/10000
1/1          0s 9ms/step -
accuracy: 0.8272 - loss: 0.4097
Epoch 5676/10000
1/1          0s 16ms/step -
accuracy: 0.8272 - loss: 0.4097
Epoch 5677/10000
1/1          0s 26ms/step -
accuracy: 0.8272 - loss: 0.4097
Epoch 5678/10000
1/1          0s 13ms/step -
accuracy: 0.8272 - loss: 0.4096
Epoch 5679/10000
1/1          0s 17ms/step -
accuracy: 0.8272 - loss: 0.4096
Epoch 5680/10000
1/1          0s 10ms/step -
accuracy: 0.8272 - loss: 0.4096
Epoch 5681/10000
1/1          0s 10ms/step -
accuracy: 0.8273 - loss: 0.4096
Epoch 5682/10000
1/1          0s 9ms/step -
accuracy: 0.8273 - loss: 0.4096
Epoch 5683/10000
1/1          0s 10ms/step -
accuracy: 0.8273 - loss: 0.4096
Epoch 5684/10000
1/1          0s 9ms/step -

```


accuracy: 0.8273 - loss: 0.4096
Epoch 5685/10000
1/1 0s 9ms/step -
accuracy: 0.8273 - loss: 0.4096
Epoch 5686/10000
1/1 0s 9ms/step -
accuracy: 0.8273 - loss: 0.4096
Epoch 5687/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4096
Epoch 5688/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4095
Epoch 5689/10000
1/1 0s 9ms/step -
accuracy: 0.8274 - loss: 0.4095
Epoch 5690/10000
1/1 0s 9ms/step -
accuracy: 0.8274 - loss: 0.4095
Epoch 5691/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4095
Epoch 5692/10000
1/1 0s 10ms/step -
accuracy: 0.8275 - loss: 0.4095
Epoch 5693/10000
1/1 0s 26ms/step -
accuracy: 0.8275 - loss: 0.4095
Epoch 5694/10000
1/1 0s 23ms/step -
accuracy: 0.8275 - loss: 0.4095
Epoch 5695/10000
1/1 0s 17ms/step -
accuracy: 0.8275 - loss: 0.4095
Epoch 5696/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4095
Epoch 5697/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4094
Epoch 5698/10000
1/1 0s 11ms/step -
accuracy: 0.8275 - loss: 0.4094
Epoch 5699/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4094
Epoch 5700/10000
1/1 0s 9ms/step -

accuracy: 0.8274 - loss: 0.4094
Epoch 5701/10000
1/1 0s 10ms/step -
accuracy: 0.8275 - loss: 0.4094
Epoch 5702/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4094
Epoch 5703/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4094
Epoch 5704/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4094
Epoch 5705/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4094
Epoch 5706/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4094
Epoch 5707/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4093
Epoch 5708/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4093
Epoch 5709/10000
1/1 0s 24ms/step -
accuracy: 0.8276 - loss: 0.4093
Epoch 5710/10000
1/1 0s 24ms/step -
accuracy: 0.8276 - loss: 0.4093
Epoch 5711/10000
1/1 0s 16ms/step -
accuracy: 0.8275 - loss: 0.4093
Epoch 5712/10000
1/1 0s 10ms/step -
accuracy: 0.8275 - loss: 0.4093
Epoch 5713/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4093
Epoch 5714/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4093
Epoch 5715/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4093
Epoch 5716/10000
1/1 0s 9ms/step -

accuracy: 0.8274 - loss: 0.4093
Epoch 5717/10000
1/1 0s 9ms/step -
accuracy: 0.8274 - loss: 0.4092
Epoch 5718/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4092
Epoch 5719/10000
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accuracy: 0.8274 - loss: 0.4092
Epoch 5720/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4092
Epoch 5721/10000
1/1 0s 14ms/step -
accuracy: 0.8274 - loss: 0.4092
Epoch 5722/10000
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accuracy: 0.8274 - loss: 0.4092
Epoch 5723/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4092
Epoch 5724/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4092
Epoch 5725/10000
1/1 0s 30ms/step -
accuracy: 0.8274 - loss: 0.4092
Epoch 5726/10000
1/1 0s 22ms/step -
accuracy: 0.8274 - loss: 0.4092
Epoch 5727/10000
1/1 0s 20ms/step -
accuracy: 0.8274 - loss: 0.4091
Epoch 5728/10000
1/1 0s 11ms/step -
accuracy: 0.8274 - loss: 0.4091
Epoch 5729/10000
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accuracy: 0.8274 - loss: 0.4091
Epoch 5730/10000
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accuracy: 0.8274 - loss: 0.4091
Epoch 5731/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4091
Epoch 5732/10000
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accuracy: 0.8274 - loss: 0.4091
Epoch 5733/10000
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accuracy: 0.8274 - loss: 0.4091
Epoch 5734/10000
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accuracy: 0.8274 - loss: 0.4091
Epoch 5735/10000
1/1 0s 12ms/step -
accuracy: 0.8273 - loss: 0.4091
Epoch 5736/10000
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accuracy: 0.8273 - loss: 0.4091
Epoch 5737/10000
1/1 0s 9ms/step -
accuracy: 0.8274 - loss: 0.4090
Epoch 5738/10000
1/1 0s 10ms/step -
accuracy: 0.8274 - loss: 0.4090
Epoch 5739/10000
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accuracy: 0.8274 - loss: 0.4090
Epoch 5740/10000
1/1 0s 22ms/step -
accuracy: 0.8275 - loss: 0.4090
Epoch 5741/10000
1/1 0s 17ms/step -
accuracy: 0.8275 - loss: 0.4090
Epoch 5742/10000
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accuracy: 0.8275 - loss: 0.4090
Epoch 5743/10000
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accuracy: 0.8276 - loss: 0.4090
Epoch 5744/10000
1/1 0s 11ms/step -
accuracy: 0.8276 - loss: 0.4090
Epoch 5745/10000
1/1 0s 10ms/step -
accuracy: 0.8276 - loss: 0.4090
Epoch 5746/10000
1/1 0s 10ms/step -
accuracy: 0.8276 - loss: 0.4090
Epoch 5747/10000
1/1 0s 9ms/step -
accuracy: 0.8276 - loss: 0.4089
Epoch 5748/10000
1/1 0s 9ms/step -

accuracy: 0.8276 - loss: 0.4089
Epoch 5749/10000
1/1 0s 10ms/step -
accuracy: 0.8276 - loss: 0.4089
Epoch 5750/10000
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accuracy: 0.8276 - loss: 0.4089
Epoch 5751/10000
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accuracy: 0.8276 - loss: 0.4089
Epoch 5752/10000
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accuracy: 0.8276 - loss: 0.4089
Epoch 5753/10000
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Epoch 5754/10000
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accuracy: 0.8276 - loss: 0.4089
Epoch 5755/10000
1/1 0s 9ms/step -
accuracy: 0.8276 - loss: 0.4089
Epoch 5756/10000
1/1 0s 24ms/step -
accuracy: 0.8276 - loss: 0.4089
Epoch 5757/10000
1/1 0s 24ms/step -
accuracy: 0.8276 - loss: 0.4088
Epoch 5758/10000
1/1 0s 16ms/step -
accuracy: 0.8276 - loss: 0.4088
Epoch 5759/10000
1/1 0s 10ms/step -
accuracy: 0.8277 - loss: 0.4088
Epoch 5760/10000
1/1 0s 10ms/step -
accuracy: 0.8277 - loss: 0.4088
Epoch 5761/10000
1/1 0s 9ms/step -
accuracy: 0.8277 - loss: 0.4088
Epoch 5762/10000
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accuracy: 0.8276 - loss: 0.4088
Epoch 5763/10000
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accuracy: 0.8276 - loss: 0.4088
Epoch 5764/10000
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accuracy: 0.8276 - loss: 0.4088
Epoch 5765/10000
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accuracy: 0.8276 - loss: 0.4088
Epoch 5766/10000
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accuracy: 0.8275 - loss: 0.4088
Epoch 5767/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4087
Epoch 5768/10000
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accuracy: 0.8275 - loss: 0.4087
Epoch 5769/10000
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accuracy: 0.8275 - loss: 0.4087
Epoch 5770/10000
1/1 0s 9ms/step -
accuracy: 0.8275 - loss: 0.4087
Epoch 5771/10000
1/1 0s 10ms/step -
accuracy: 0.8276 - loss: 0.4087
Epoch 5772/10000
1/1 0s 10ms/step -
accuracy: 0.8276 - loss: 0.4087
Epoch 5773/10000
1/1 0s 25ms/step -
accuracy: 0.8276 - loss: 0.4087
Epoch 5774/10000
1/1 0s 24ms/step -
accuracy: 0.8276 - loss: 0.4087
Epoch 5775/10000
1/1 0s 13ms/step -
accuracy: 0.8276 - loss: 0.4087
Epoch 5776/10000
1/1 0s 13ms/step -
accuracy: 0.8276 - loss: 0.4087
Epoch 5777/10000
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accuracy: 0.8276 - loss: 0.4086
Epoch 5778/10000
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accuracy: 0.8277 - loss: 0.4086
Epoch 5779/10000
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accuracy: 0.8277 - loss: 0.4086
Epoch 5780/10000
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accuracy: 0.8277 - loss: 0.4086
Epoch 5781/10000
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accuracy: 0.8277 - loss: 0.4086
Epoch 5782/10000
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accuracy: 0.8277 - loss: 0.4086
Epoch 5783/10000
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accuracy: 0.8277 - loss: 0.4086
Epoch 5784/10000
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accuracy: 0.8278 - loss: 0.4086
Epoch 5785/10000
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accuracy: 0.8278 - loss: 0.4086
Epoch 5786/10000
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accuracy: 0.8278 - loss: 0.4086
Epoch 5787/10000
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accuracy: 0.8278 - loss: 0.4085
Epoch 5788/10000
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accuracy: 0.8278 - loss: 0.4085
Epoch 5789/10000
1/1 0s 26ms/step -
accuracy: 0.8278 - loss: 0.4085
Epoch 5790/10000
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accuracy: 0.8278 - loss: 0.4085
Epoch 5791/10000
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Epoch 5792/10000
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accuracy: 0.8277 - loss: 0.4085
Epoch 5793/10000
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Epoch 5794/10000
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Epoch 5795/10000
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Epoch 5796/10000
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accuracy: 0.8277 - loss: 0.4085
Epoch 5797/10000
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Epoch 5798/10000
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Epoch 5799/10000
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Epoch 5800/10000
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Epoch 5801/10000
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Epoch 5802/10000
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accuracy: 0.8277 - loss: 0.4084
Epoch 5803/10000
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accuracy: 0.8277 - loss: 0.4084
Epoch 5804/10000
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Epoch 5805/10000
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accuracy: 0.8277 - loss: 0.4084
Epoch 5806/10000
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accuracy: 0.8277 - loss: 0.4084
Epoch 5807/10000
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accuracy: 0.8277 - loss: 0.4084
Epoch 5808/10000
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accuracy: 0.8278 - loss: 0.4083
Epoch 5809/10000
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accuracy: 0.8278 - loss: 0.4083
Epoch 5810/10000
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Epoch 5811/10000
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Epoch 5812/10000
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accuracy: 0.8278 - loss: 0.4083
Epoch 5813/10000
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Epoch 5814/10000
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Epoch 5815/10000
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Epoch 5816/10000
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Epoch 5817/10000
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accuracy: 0.8278 - loss: 0.4083
Epoch 5818/10000
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accuracy: 0.8278 - loss: 0.4082
Epoch 5819/10000
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accuracy: 0.8278 - loss: 0.4082
Epoch 5820/10000
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accuracy: 0.8278 - loss: 0.4082
Epoch 5821/10000
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accuracy: 0.8278 - loss: 0.4082
Epoch 5822/10000
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accuracy: 0.8278 - loss: 0.4082
Epoch 5823/10000
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accuracy: 0.8278 - loss: 0.4082
Epoch 5824/10000
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accuracy: 0.8278 - loss: 0.4082
Epoch 5825/10000
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accuracy: 0.8278 - loss: 0.4082
Epoch 5826/10000
1/1 0s 10ms/step -
accuracy: 0.8278 - loss: 0.4082
Epoch 5827/10000
1/1 0s 9ms/step -
accuracy: 0.8280 - loss: 0.4082
Epoch 5828/10000
1/1 0s 9ms/step -

accuracy: 0.8280 - loss: 0.4081
Epoch 5829/10000
1/1 0s 9ms/step -
accuracy: 0.8280 - loss: 0.4081
Epoch 5830/10000
1/1 0s 9ms/step -
accuracy: 0.8281 - loss: 0.4081
Epoch 5831/10000
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accuracy: 0.8281 - loss: 0.4081
Epoch 5832/10000
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accuracy: 0.8281 - loss: 0.4081
Epoch 5833/10000
1/1 0s 10ms/step -
accuracy: 0.8281 - loss: 0.4081
Epoch 5834/10000
1/1 0s 9ms/step -
accuracy: 0.8281 - loss: 0.4081
Epoch 5835/10000
1/1 0s 9ms/step -
accuracy: 0.8281 - loss: 0.4081
Epoch 5836/10000
1/1 0s 29ms/step -
accuracy: 0.8281 - loss: 0.4081
Epoch 5837/10000
1/1 0s 23ms/step -
accuracy: 0.8282 - loss: 0.4081
Epoch 5838/10000
1/1 0s 16ms/step -
accuracy: 0.8283 - loss: 0.4080
Epoch 5839/10000
1/1 0s 9ms/step -
accuracy: 0.8283 - loss: 0.4080
Epoch 5840/10000
1/1 0s 9ms/step -
accuracy: 0.8283 - loss: 0.4080
Epoch 5841/10000
1/1 0s 9ms/step -
accuracy: 0.8283 - loss: 0.4080
Epoch 5842/10000
1/1 0s 10ms/step -
accuracy: 0.8282 - loss: 0.4080
Epoch 5843/10000
1/1 0s 9ms/step -
accuracy: 0.8282 - loss: 0.4080
Epoch 5844/10000
1/1 0s 9ms/step -

```

accuracy: 0.8282 - loss: 0.4080
Epoch 5845/10000
1/1          0s 9ms/step -
accuracy: 0.8282 - loss: 0.4080
Epoch 5846/10000
1/1          0s 9ms/step -
accuracy: 0.8282 - loss: 0.4080
Epoch 5847/10000
1/1          0s 9ms/step -
accuracy: 0.8282 - loss: 0.4080
Epoch 5848/10000
1/1          0s 9ms/step -
accuracy: 0.8282 - loss: 0.4079
Epoch 5849/10000
1/1          0s 9ms/step -
accuracy: 0.8282 - loss: 0.4079
Epoch 5850/10000
1/1          0s 9ms/step -
accuracy: 0.8282 - loss: 0.4079
Epoch 5851/10000
1/1          0s 9ms/step -
accuracy: 0.8282 - loss: 0.4079
Epoch 5852/10000
1/1          0s 23ms/step -
accuracy: 0.8282 - loss: 0.4079
Epoch 5853/10000
1/1          0s 28ms/step -
accuracy: 0.8282 - loss: 0.4079
Epoch 5854/10000
1/1          0s 16ms/step -
accuracy: 0.8282 - loss: 0.4079
Epoch 5855/10000
1/1          0s 10ms/step -
accuracy: 0.8281 - loss: 0.4079
Epoch 5856/10000
1/1          0s 10ms/step -
accuracy: 0.8281 - loss: 0.4079
Epoch 5857/10000
1/1          0s 10ms/step -
accuracy: 0.8281 - loss: 0.4079
Epoch 5858/10000
1/1          0s 9ms/step -
accuracy: 0.8281 - loss: 0.4079
Epoch 5859/10000
1/1          0s 9ms/step -
accuracy: 0.8281 - loss: 0.4078
Epoch 5860/10000
1/1          0s 9ms/step -

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accuracy: 0.8280 - loss: 0.4078
Epoch 5861/10000
1/1          0s 9ms/step -
accuracy: 0.8280 - loss: 0.4078
Epoch 5862/10000
1/1          0s 10ms/step -
accuracy: 0.8280 - loss: 0.4078
Epoch 5863/10000
1/1          0s 9ms/step -
accuracy: 0.8280 - loss: 0.4078
Epoch 5864/10000
1/1          0s 9ms/step -
accuracy: 0.8280 - loss: 0.4078
Epoch 5865/10000
1/1          0s 9ms/step -
accuracy: 0.8280 - loss: 0.4078
Epoch 5866/10000
1/1          0s 9ms/step -
accuracy: 0.8280 - loss: 0.4078
Epoch 5867/10000
1/1          0s 10ms/step -
accuracy: 0.8280 - loss: 0.4078
Epoch 5868/10000
1/1          0s 25ms/step -
accuracy: 0.8280 - loss: 0.4078
Epoch 5869/10000
1/1          0s 26ms/step -
accuracy: 0.8280 - loss: 0.4077
Epoch 5870/10000
1/1          0s 11ms/step -
accuracy: 0.8280 - loss: 0.4077
Epoch 5871/10000
1/1          0s 13ms/step -
accuracy: 0.8283 - loss: 0.4077
Epoch 5872/10000
1/1          0s 10ms/step -
accuracy: 0.8283 - loss: 0.4077
Epoch 5873/10000
1/1          0s 9ms/step -
accuracy: 0.8283 - loss: 0.4077
Epoch 5874/10000
1/1          0s 9ms/step -
accuracy: 0.8283 - loss: 0.4077
Epoch 5875/10000
1/1          0s 9ms/step -
accuracy: 0.8283 - loss: 0.4077
Epoch 5876/10000
1/1          0s 9ms/step -

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accuracy: 0.8283 - loss: 0.4077
Epoch 5877/10000
1/1 0s 9ms/step -
accuracy: 0.8283 - loss: 0.4077
Epoch 5878/10000
1/1 0s 9ms/step -
accuracy: 0.8283 - loss: 0.4077
Epoch 5879/10000
1/1 0s 9ms/step -
accuracy: 0.8283 - loss: 0.4076
Epoch 5880/10000
1/1 0s 9ms/step -
accuracy: 0.8283 - loss: 0.4076
Epoch 5881/10000
1/1 0s 9ms/step -
accuracy: 0.8283 - loss: 0.4076
Epoch 5882/10000
1/1 0s 9ms/step -
accuracy: 0.8283 - loss: 0.4076
Epoch 5883/10000
1/1 0s 11ms/step -
accuracy: 0.8283 - loss: 0.4076
Epoch 5884/10000
1/1 0s 10ms/step -
accuracy: 0.8283 - loss: 0.4076
Epoch 5885/10000
1/1 0s 17ms/step -
accuracy: 0.8283 - loss: 0.4076
Epoch 5886/10000
1/1 0s 28ms/step -
accuracy: 0.8283 - loss: 0.4076
Epoch 5887/10000
1/1 0s 16ms/step -
accuracy: 0.8283 - loss: 0.4076
Epoch 5888/10000
1/1 0s 11ms/step -
accuracy: 0.8284 - loss: 0.4076
Epoch 5889/10000
1/1 0s 9ms/step -
accuracy: 0.8284 - loss: 0.4076
Epoch 5890/10000
1/1 0s 9ms/step -
accuracy: 0.8284 - loss: 0.4075
Epoch 5891/10000
1/1 0s 9ms/step -
accuracy: 0.8284 - loss: 0.4075
Epoch 5892/10000
1/1 0s 9ms/step -

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accuracy: 0.8284 - loss: 0.4075
Epoch 5893/10000
1/1          0s 9ms/step -
accuracy: 0.8284 - loss: 0.4075
Epoch 5894/10000
1/1          0s 9ms/step -
accuracy: 0.8285 - loss: 0.4075
Epoch 5895/10000
1/1          0s 9ms/step -
accuracy: 0.8285 - loss: 0.4075
Epoch 5896/10000
1/1          0s 9ms/step -
accuracy: 0.8285 - loss: 0.4075
Epoch 5897/10000
1/1          0s 9ms/step -
accuracy: 0.8285 - loss: 0.4075
Epoch 5898/10000
1/1          0s 9ms/step -
accuracy: 0.8285 - loss: 0.4075
Epoch 5899/10000
1/1          0s 9ms/step -
accuracy: 0.8285 - loss: 0.4075
Epoch 5900/10000
1/1          0s 9ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5901/10000
1/1          0s 9ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5902/10000
1/1          0s 31ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5903/10000
1/1          0s 17ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5904/10000
1/1          0s 13ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5905/10000
1/1          0s 9ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5906/10000
1/1          0s 10ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5907/10000
1/1          0s 9ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5908/10000
1/1          0s 9ms/step -

```

accuracy: 0.8286 - loss: 0.4074
Epoch 5909/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5910/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4074
Epoch 5911/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5912/10000
1/1 0s 10ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5913/10000
1/1 0s 10ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5914/10000
1/1 0s 12ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5915/10000
1/1 0s 11ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5916/10000
1/1 0s 11ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5917/10000
1/1 0s 13ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5918/10000
1/1 0s 34ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5919/10000
1/1 0s 21ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5920/10000
1/1 0s 14ms/step -
accuracy: 0.8286 - loss: 0.4073
Epoch 5921/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5922/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5923/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5924/10000
1/1 0s 10ms/step -

accuracy: 0.8286 - loss: 0.4072
Epoch 5925/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5926/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5927/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5928/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5929/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5930/10000
1/1 0s 10ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5931/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4072
Epoch 5932/10000
1/1 0s 10ms/step -
accuracy: 0.8286 - loss: 0.4071
Epoch 5933/10000
1/1 0s 25ms/step -
accuracy: 0.8286 - loss: 0.4071
Epoch 5934/10000
1/1 0s 25ms/step -
accuracy: 0.8286 - loss: 0.4071
Epoch 5935/10000
1/1 0s 14ms/step -
accuracy: 0.8286 - loss: 0.4071
Epoch 5936/10000
1/1 0s 10ms/step -
accuracy: 0.8287 - loss: 0.4071
Epoch 5937/10000
1/1 0s 10ms/step -
accuracy: 0.8286 - loss: 0.4071
Epoch 5938/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4071
Epoch 5939/10000
1/1 0s 9ms/step -
accuracy: 0.8286 - loss: 0.4071
Epoch 5940/10000
1/1 0s 9ms/step -


```

accuracy: 0.8286 - loss: 0.4071
Epoch 5941/10000
1/1          0s 10ms/step -
accuracy: 0.8286 - loss: 0.4071
Epoch 5942/10000
1/1          0s 11ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5943/10000
1/1          0s 9ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5944/10000
1/1          0s 10ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5945/10000
1/1          0s 9ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5946/10000
1/1          0s 10ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5947/10000
1/1          0s 9ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5948/10000
1/1          0s 9ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5949/10000
1/1          0s 18ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5950/10000
1/1          0s 29ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5951/10000
1/1          0s 16ms/step -
accuracy: 0.8286 - loss: 0.4070
Epoch 5952/10000
1/1          0s 13ms/step -
accuracy: 0.8291 - loss: 0.4070
Epoch 5953/10000
1/1          0s 10ms/step -
accuracy: 0.8291 - loss: 0.4069
Epoch 5954/10000
1/1          0s 10ms/step -
accuracy: 0.8291 - loss: 0.4069
Epoch 5955/10000
1/1          0s 10ms/step -
accuracy: 0.8291 - loss: 0.4069
Epoch 5956/10000
1/1          0s 9ms/step -

```

```

accuracy: 0.8291 - loss: 0.4069
Epoch 5957/10000
1/1          0s 9ms/step -
accuracy: 0.8291 - loss: 0.4069
Epoch 5958/10000
1/1          0s 9ms/step -
accuracy: 0.8291 - loss: 0.4069
Epoch 5959/10000
1/1          0s 9ms/step -
accuracy: 0.8289 - loss: 0.4069
Epoch 5960/10000
1/1          0s 9ms/step -
accuracy: 0.8289 - loss: 0.4069
Epoch 5961/10000
1/1          0s 9ms/step -
accuracy: 0.8289 - loss: 0.4069
Epoch 5962/10000
1/1          0s 9ms/step -
accuracy: 0.8289 - loss: 0.4069
Epoch 5963/10000
1/1          0s 9ms/step -
accuracy: 0.8289 - loss: 0.4069
Epoch 5964/10000
1/1          0s 11ms/step -
accuracy: 0.8289 - loss: 0.4068
Epoch 5965/10000
1/1          0s 10ms/step -
accuracy: 0.8289 - loss: 0.4068
Epoch 5966/10000
1/1          0s 34ms/step -
accuracy: 0.8289 - loss: 0.4068
Epoch 5967/10000
1/1          0s 17ms/step -
accuracy: 0.8289 - loss: 0.4068
Epoch 5968/10000
1/1          0s 16ms/step -
accuracy: 0.8289 - loss: 0.4068
Epoch 5969/10000
1/1          0s 10ms/step -
accuracy: 0.8289 - loss: 0.4068
Epoch 5970/10000
1/1          0s 9ms/step -
accuracy: 0.8289 - loss: 0.4068
Epoch 5971/10000
1/1          0s 9ms/step -
accuracy: 0.8289 - loss: 0.4068
Epoch 5972/10000
1/1          0s 10ms/step -

```

accuracy: 0.8289 - loss: 0.4068
Epoch 5973/10000
1/1 0s 10ms/step -
accuracy: 0.8289 - loss: 0.4068
Epoch 5974/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5975/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5976/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5977/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5978/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5979/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5980/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5981/10000
1/1 0s 12ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5982/10000
1/1 0s 28ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5983/10000
1/1 0s 21ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5984/10000
1/1 0s 10ms/step -
accuracy: 0.8289 - loss: 0.4067
Epoch 5985/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4066
Epoch 5986/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4066
Epoch 5987/10000
1/1 0s 9ms/step -
accuracy: 0.8289 - loss: 0.4066
Epoch 5988/10000
1/1 0s 9ms/step -

accuracy: 0.8289 - loss: 0.4066
Epoch 5989/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4066
Epoch 5990/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4066
Epoch 5991/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4066
Epoch 5992/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4066
Epoch 5993/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4066
Epoch 5994/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4066
Epoch 5995/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4066
Epoch 5996/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4065
Epoch 5997/10000
1/1 0s 50ms/step -
accuracy: 0.8290 - loss: 0.4065
Epoch 5998/10000
1/1 0s 20ms/step -
accuracy: 0.8290 - loss: 0.4065
Epoch 5999/10000
1/1 0s 16ms/step -
accuracy: 0.8291 - loss: 0.4065
Epoch 6000/10000
1/1 0s 10ms/step -
accuracy: 0.8291 - loss: 0.4065
Epoch 6001/10000
1/1 0s 10ms/step -
accuracy: 0.8291 - loss: 0.4065
Epoch 6002/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4065
Epoch 6003/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4065
Epoch 6004/10000
1/1 0s 10ms/step -

accuracy: 0.8291 - loss: 0.4065
Epoch 6005/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4065
Epoch 6006/10000
1/1 0s 10ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6007/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6008/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4064
Epoch 6009/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6010/10000
1/1 0s 15ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6011/10000
1/1 0s 28ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6012/10000
1/1 0s 15ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6013/10000
1/1 0s 14ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6014/10000
1/1 0s 10ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6015/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6016/10000
1/1 0s 10ms/step -
accuracy: 0.8291 - loss: 0.4064
Epoch 6017/10000
1/1 0s 10ms/step -
accuracy: 0.8291 - loss: 0.4063
Epoch 6018/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4063
Epoch 6019/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4063
Epoch 6020/10000
1/1 0s 9ms/step -

accuracy: 0.8291 - loss: 0.4063
Epoch 6021/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4063
Epoch 6022/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4063
Epoch 6023/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4063
Epoch 6024/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4063
Epoch 6025/10000
1/1 0s 11ms/step -
accuracy: 0.8290 - loss: 0.4063
Epoch 6026/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4063
Epoch 6027/10000
1/1 0s 30ms/step -
accuracy: 0.8290 - loss: 0.4063
Epoch 6028/10000
1/1 0s 22ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6029/10000
1/1 0s 15ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6030/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6031/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6032/10000
1/1 0s 11ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6033/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6034/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6035/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6036/10000
1/1 0s 9ms/step -

accuracy: 0.8290 - loss: 0.4062
Epoch 6037/10000
1/1 0s 9ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6038/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4062
Epoch 6039/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4061
Epoch 6040/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4061
Epoch 6041/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4061
Epoch 6042/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4061
Epoch 6043/10000
1/1 0s 28ms/step -
accuracy: 0.8290 - loss: 0.4061
Epoch 6044/10000
1/1 0s 23ms/step -
accuracy: 0.8290 - loss: 0.4061
Epoch 6045/10000
1/1 0s 16ms/step -
accuracy: 0.8290 - loss: 0.4061
Epoch 6046/10000
1/1 0s 11ms/step -
accuracy: 0.8290 - loss: 0.4061
Epoch 6047/10000
1/1 0s 10ms/step -
accuracy: 0.8290 - loss: 0.4061
Epoch 6048/10000
1/1 0s 10ms/step -
accuracy: 0.8291 - loss: 0.4061
Epoch 6049/10000
1/1 0s 9ms/step -
accuracy: 0.8291 - loss: 0.4061
Epoch 6050/10000
1/1 0s 10ms/step -
accuracy: 0.8292 - loss: 0.4060
Epoch 6051/10000
1/1 0s 10ms/step -
accuracy: 0.8292 - loss: 0.4060
Epoch 6052/10000
1/1 0s 9ms/step -

accuracy: 0.8292 - loss: 0.4060
Epoch 6053/10000
1/1 0s 10ms/step -
accuracy: 0.8292 - loss: 0.4060
Epoch 6054/10000
1/1 0s 10ms/step -
accuracy: 0.8292 - loss: 0.4060
Epoch 6055/10000
1/1 0s 10ms/step -
accuracy: 0.8293 - loss: 0.4060
Epoch 6056/10000
1/1 0s 9ms/step -
accuracy: 0.8293 - loss: 0.4060
Epoch 6057/10000
1/1 0s 10ms/step -
accuracy: 0.8293 - loss: 0.4060
Epoch 6058/10000
1/1 0s 10ms/step -
accuracy: 0.8293 - loss: 0.4060
Epoch 6059/10000
1/1 0s 30ms/step -
accuracy: 0.8293 - loss: 0.4060
Epoch 6060/10000
1/1 0s 19ms/step -
accuracy: 0.8293 - loss: 0.4060
Epoch 6061/10000
1/1 0s 15ms/step -
accuracy: 0.8293 - loss: 0.4059
Epoch 6062/10000
1/1 0s 13ms/step -
accuracy: 0.8293 - loss: 0.4059
Epoch 6063/10000
1/1 0s 10ms/step -
accuracy: 0.8293 - loss: 0.4059
Epoch 6064/10000
1/1 0s 14ms/step -
accuracy: 0.8293 - loss: 0.4059
Epoch 6065/10000
1/1 0s 11ms/step -
accuracy: 0.8292 - loss: 0.4059
Epoch 6066/10000
1/1 0s 10ms/step -
accuracy: 0.8292 - loss: 0.4059
Epoch 6067/10000
1/1 0s 9ms/step -
accuracy: 0.8292 - loss: 0.4059
Epoch 6068/10000
1/1 0s 9ms/step -

accuracy: 0.8293 - loss: 0.4059
Epoch 6069/10000
1/1 0s 10ms/step -
accuracy: 0.8293 - loss: 0.4059
Epoch 6070/10000
1/1 0s 10ms/step -
accuracy: 0.8293 - loss: 0.4059
Epoch 6071/10000
1/1 0s 9ms/step -
accuracy: 0.8293 - loss: 0.4059
Epoch 6072/10000
1/1 0s 9ms/step -
accuracy: 0.8293 - loss: 0.4058
Epoch 6073/10000
1/1 0s 10ms/step -
accuracy: 0.8292 - loss: 0.4058
Epoch 6074/10000
1/1 0s 20ms/step -
accuracy: 0.8292 - loss: 0.4058
Epoch 6075/10000
1/1 0s 27ms/step -
accuracy: 0.8292 - loss: 0.4058
Epoch 6076/10000
1/1 0s 15ms/step -
accuracy: 0.8292 - loss: 0.4058
Epoch 6077/10000
1/1 0s 11ms/step -
accuracy: 0.8292 - loss: 0.4058
Epoch 6078/10000
1/1 0s 10ms/step -
accuracy: 0.8292 - loss: 0.4058
Epoch 6079/10000
1/1 0s 9ms/step -
accuracy: 0.8292 - loss: 0.4058
Epoch 6080/10000
1/1 0s 10ms/step -
accuracy: 0.8293 - loss: 0.4058
Epoch 6081/10000
1/1 0s 9ms/step -
accuracy: 0.8294 - loss: 0.4058
Epoch 6082/10000
1/1 0s 9ms/step -
accuracy: 0.8294 - loss: 0.4058
Epoch 6083/10000
1/1 0s 9ms/step -
accuracy: 0.8294 - loss: 0.4057
Epoch 6084/10000
1/1 0s 10ms/step -

```

accuracy: 0.8294 - loss: 0.4057
Epoch 6085/10000
1/1          0s 10ms/step -
accuracy: 0.8295 - loss: 0.4057
Epoch 6086/10000
1/1          0s 9ms/step -
accuracy: 0.8295 - loss: 0.4057
Epoch 6087/10000
1/1          0s 10ms/step -
accuracy: 0.8295 - loss: 0.4057
Epoch 6088/10000
1/1          0s 9ms/step -
accuracy: 0.8295 - loss: 0.4057
Epoch 6089/10000
1/1          0s 9ms/step -
accuracy: 0.8295 - loss: 0.4057
Epoch 6090/10000
1/1          0s 16ms/step -
accuracy: 0.8297 - loss: 0.4057
Epoch 6091/10000
1/1          0s 28ms/step -
accuracy: 0.8297 - loss: 0.4057
Epoch 6092/10000
1/1          0s 20ms/step -
accuracy: 0.8297 - loss: 0.4057
Epoch 6093/10000
1/1          0s 10ms/step -
accuracy: 0.8297 - loss: 0.4057
Epoch 6094/10000
1/1          0s 9ms/step -
accuracy: 0.8297 - loss: 0.4056
Epoch 6095/10000
1/1          0s 9ms/step -
accuracy: 0.8297 - loss: 0.4056
Epoch 6096/10000
1/1          0s 9ms/step -
accuracy: 0.8297 - loss: 0.4056
Epoch 6097/10000
1/1          0s 9ms/step -
accuracy: 0.8297 - loss: 0.4056
Epoch 6098/10000
1/1          0s 9ms/step -
accuracy: 0.8297 - loss: 0.4056
Epoch 6099/10000
1/1          0s 10ms/step -
accuracy: 0.8298 - loss: 0.4056
Epoch 6100/10000
1/1          0s 11ms/step -

```

accuracy: 0.8298 - loss: 0.4056
Epoch 6101/10000
1/1 0s 10ms/step -
accuracy: 0.8299 - loss: 0.4056
Epoch 6102/10000
1/1 0s 9ms/step -
accuracy: 0.8299 - loss: 0.4056
Epoch 6103/10000
1/1 0s 9ms/step -
accuracy: 0.8299 - loss: 0.4056
Epoch 6104/10000
1/1 0s 9ms/step -
accuracy: 0.8299 - loss: 0.4056
Epoch 6105/10000
1/1 0s 9ms/step -
accuracy: 0.8299 - loss: 0.4055
Epoch 6106/10000
1/1 0s 9ms/step -
accuracy: 0.8299 - loss: 0.4055
Epoch 6107/10000
1/1 0s 24ms/step -
accuracy: 0.8299 - loss: 0.4055
Epoch 6108/10000
1/1 0s 26ms/step -
accuracy: 0.8299 - loss: 0.4055
Epoch 6109/10000
1/1 0s 15ms/step -
accuracy: 0.8299 - loss: 0.4055
Epoch 6110/10000
1/1 0s 10ms/step -
accuracy: 0.8300 - loss: 0.4055
Epoch 6111/10000
1/1 0s 10ms/step -
accuracy: 0.8300 - loss: 0.4055
Epoch 6112/10000
1/1 0s 10ms/step -
accuracy: 0.8300 - loss: 0.4055
Epoch 6113/10000
1/1 0s 10ms/step -
accuracy: 0.8300 - loss: 0.4055
Epoch 6114/10000
1/1 0s 10ms/step -
accuracy: 0.8300 - loss: 0.4055
Epoch 6115/10000
1/1 0s 9ms/step -
accuracy: 0.8300 - loss: 0.4055
Epoch 6116/10000
1/1 0s 10ms/step -

accuracy: 0.8301 - loss: 0.4054
Epoch 6117/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6118/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6119/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6120/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6121/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6122/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6123/10000
1/1 0s 20ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6124/10000
1/1 0s 32ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6125/10000
1/1 0s 18ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6126/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4054
Epoch 6127/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4053
Epoch 6128/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4053
Epoch 6129/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4053
Epoch 6130/10000
1/1 0s 11ms/step -
accuracy: 0.8300 - loss: 0.4053
Epoch 6131/10000
1/1 0s 11ms/step -
accuracy: 0.8302 - loss: 0.4053
Epoch 6132/10000
1/1 0s 10ms/step -

accuracy: 0.8302 - loss: 0.4053
Epoch 6133/10000
1/1 0s 11ms/step -
accuracy: 0.8302 - loss: 0.4053
Epoch 6134/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4053
Epoch 6135/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4053
Epoch 6136/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4053
Epoch 6137/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4053
Epoch 6138/10000
1/1 0s 34ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6139/10000
1/1 0s 23ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6140/10000
1/1 0s 17ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6141/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6142/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6143/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6144/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6145/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6146/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6147/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4052
Epoch 6148/10000
1/1 0s 10ms/step -

accuracy: 0.8303 - loss: 0.4052
Epoch 6149/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4051
Epoch 6150/10000
1/1 0s 11ms/step -
accuracy: 0.8303 - loss: 0.4051
Epoch 6151/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4051
Epoch 6152/10000
1/1 0s 11ms/step -
accuracy: 0.8304 - loss: 0.4051
Epoch 6153/10000
1/1 0s 28ms/step -
accuracy: 0.8304 - loss: 0.4051
Epoch 6154/10000
1/1 0s 28ms/step -
accuracy: 0.8304 - loss: 0.4051
Epoch 6155/10000
1/1 0s 17ms/step -
accuracy: 0.8304 - loss: 0.4051
Epoch 6156/10000
1/1 0s 11ms/step -
accuracy: 0.8304 - loss: 0.4051
Epoch 6157/10000
1/1 0s 9ms/step -
accuracy: 0.8304 - loss: 0.4051
Epoch 6158/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4051
Epoch 6159/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4051
Epoch 6160/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4051
Epoch 6161/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4050
Epoch 6162/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4050
Epoch 6163/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4050
Epoch 6164/10000
1/1 0s 9ms/step -

accuracy: 0.8304 - loss: 0.4050
Epoch 6165/10000
1/1 0s 9ms/step -
accuracy: 0.8304 - loss: 0.4050
Epoch 6166/10000
1/1 0s 12ms/step -
accuracy: 0.8304 - loss: 0.4050
Epoch 6167/10000
1/1 0s 10ms/step -
accuracy: 0.8304 - loss: 0.4050
Epoch 6168/10000
1/1 0s 10ms/step -
accuracy: 0.8304 - loss: 0.4050
Epoch 6169/10000
1/1 0s 30ms/step -
accuracy: 0.8301 - loss: 0.4050
Epoch 6170/10000
1/1 0s 18ms/step -
accuracy: 0.8301 - loss: 0.4050
Epoch 6171/10000
1/1 0s 15ms/step -
accuracy: 0.8301 - loss: 0.4050
Epoch 6172/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4049
Epoch 6173/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4049
Epoch 6174/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4049
Epoch 6175/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4049
Epoch 6176/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4049
Epoch 6177/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4049
Epoch 6178/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4049
Epoch 6179/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4049
Epoch 6180/10000
1/1 0s 9ms/step -

accuracy: 0.8301 - loss: 0.4049
Epoch 6181/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4049
Epoch 6182/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4049
Epoch 6183/10000
1/1 0s 9ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6184/10000
1/1 0s 9ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6185/10000
1/1 0s 20ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6186/10000
1/1 0s 29ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6187/10000
1/1 0s 17ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6188/10000
1/1 0s 10ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6189/10000
1/1 0s 10ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6190/10000
1/1 0s 10ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6191/10000
1/1 0s 9ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6192/10000
1/1 0s 10ms/step -
accuracy: 0.8300 - loss: 0.4048
Epoch 6193/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4048
Epoch 6194/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4048
Epoch 6195/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6196/10000
1/1 0s 9ms/step -

accuracy: 0.8302 - loss: 0.4047
Epoch 6197/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6198/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6199/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6200/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6201/10000
1/1 0s 15ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6202/10000
1/1 0s 32ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6203/10000
1/1 0s 17ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6204/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6205/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4047
Epoch 6206/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4046
Epoch 6207/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4046
Epoch 6208/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4046
Epoch 6209/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4046
Epoch 6210/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4046
Epoch 6211/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4046
Epoch 6212/10000
1/1 0s 10ms/step -

accuracy: 0.8303 - loss: 0.4046
Epoch 6213/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4046
Epoch 6214/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4046
Epoch 6215/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4046
Epoch 6216/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4046
Epoch 6217/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4045
Epoch 6218/10000
1/1 0s 29ms/step -
accuracy: 0.8303 - loss: 0.4045
Epoch 6219/10000
1/1 0s 19ms/step -
accuracy: 0.8303 - loss: 0.4045
Epoch 6220/10000
1/1 0s 12ms/step -
accuracy: 0.8303 - loss: 0.4045
Epoch 6221/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4045
Epoch 6222/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4045
Epoch 6223/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4045
Epoch 6224/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4045
Epoch 6225/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4045
Epoch 6226/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4045
Epoch 6227/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4045
Epoch 6228/10000
1/1 0s 10ms/step -

accuracy: 0.8302 - loss: 0.4045
Epoch 6229/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4044
Epoch 6230/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4044
Epoch 6231/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4044
Epoch 6232/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4044
Epoch 6233/10000
1/1 0s 14ms/step -
accuracy: 0.8301 - loss: 0.4044
Epoch 6234/10000
1/1 0s 33ms/step -
accuracy: 0.8301 - loss: 0.4044
Epoch 6235/10000
1/1 0s 16ms/step -
accuracy: 0.8301 - loss: 0.4044
Epoch 6236/10000
1/1 0s 10ms/step -
accuracy: 0.8301 - loss: 0.4044
Epoch 6237/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4044
Epoch 6238/10000
1/1 0s 9ms/step -
accuracy: 0.8301 - loss: 0.4044
Epoch 6239/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4044
Epoch 6240/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4043
Epoch 6241/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4043
Epoch 6242/10000
1/1 0s 10ms/step -
accuracy: 0.8302 - loss: 0.4043
Epoch 6243/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4043
Epoch 6244/10000
1/1 0s 9ms/step -

accuracy: 0.8302 - loss: 0.4043
Epoch 6245/10000
1/1 0s 9ms/step -
accuracy: 0.8302 - loss: 0.4043
Epoch 6246/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4043
Epoch 6247/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4043
Epoch 6248/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4043
Epoch 6249/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4043
Epoch 6250/10000
1/1 0s 31ms/step -
accuracy: 0.8303 - loss: 0.4043
Epoch 6251/10000
1/1 0s 15ms/step -
accuracy: 0.8303 - loss: 0.4043
Epoch 6252/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4042
Epoch 6253/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4042
Epoch 6254/10000
1/1 0s 11ms/step -
accuracy: 0.8303 - loss: 0.4042
Epoch 6255/10000
1/1 0s 11ms/step -
accuracy: 0.8303 - loss: 0.4042
Epoch 6256/10000
1/1 0s 12ms/step -
accuracy: 0.8303 - loss: 0.4042
Epoch 6257/10000
1/1 0s 10ms/step -
accuracy: 0.8303 - loss: 0.4042
Epoch 6258/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4042
Epoch 6259/10000
1/1 0s 9ms/step -
accuracy: 0.8303 - loss: 0.4042
Epoch 6260/10000
1/1 0s 9ms/step -

accuracy: 0.8304 - loss: 0.4042
Epoch 6261/10000
1/1 0s 9ms/step -
accuracy: 0.8305 - loss: 0.4042
Epoch 6262/10000
1/1 0s 9ms/step -
accuracy: 0.8305 - loss: 0.4042
Epoch 6263/10000
1/1 0s 9ms/step -
accuracy: 0.8305 - loss: 0.4042
Epoch 6264/10000
1/1 0s 9ms/step -
accuracy: 0.8305 - loss: 0.4041
Epoch 6265/10000
1/1 0s 24ms/step -
accuracy: 0.8305 - loss: 0.4041
Epoch 6266/10000
1/1 0s 28ms/step -
accuracy: 0.8306 - loss: 0.4041
Epoch 6267/10000
1/1 0s 16ms/step -
accuracy: 0.8307 - loss: 0.4041
Epoch 6268/10000
1/1 0s 10ms/step -
accuracy: 0.8307 - loss: 0.4041
Epoch 6269/10000
1/1 0s 9ms/step -
accuracy: 0.8307 - loss: 0.4041
Epoch 6270/10000
1/1 0s 9ms/step -
accuracy: 0.8307 - loss: 0.4041
Epoch 6271/10000
1/1 0s 9ms/step -
accuracy: 0.8307 - loss: 0.4041
Epoch 6272/10000
1/1 0s 9ms/step -
accuracy: 0.8307 - loss: 0.4041
Epoch 6273/10000
1/1 0s 26ms/step -
accuracy: 0.8306 - loss: 0.4041
Epoch 6274/10000
1/1 0s 10ms/step -
accuracy: 0.8306 - loss: 0.4041
Epoch 6275/10000
1/1 0s 10ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6276/10000
1/1 0s 9ms/step -

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accuracy: 0.8306 - loss: 0.4040
Epoch 6277/10000
1/1          0s 10ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6278/10000
1/1          0s 10ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6279/10000
1/1          0s 16ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6280/10000
1/1          0s 40ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6281/10000
1/1          0s 19ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6282/10000
1/1          0s 13ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6283/10000
1/1          0s 13ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6284/10000
1/1          0s 10ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6285/10000
1/1          0s 10ms/step -
accuracy: 0.8306 - loss: 0.4040
Epoch 6286/10000
1/1          0s 9ms/step -
accuracy: 0.8307 - loss: 0.4040
Epoch 6287/10000
1/1          0s 9ms/step -
accuracy: 0.8307 - loss: 0.4039
Epoch 6288/10000
1/1          0s 9ms/step -
accuracy: 0.8307 - loss: 0.4039
Epoch 6289/10000
1/1          0s 9ms/step -
accuracy: 0.8307 - loss: 0.4039
Epoch 6290/10000
1/1          0s 9ms/step -
accuracy: 0.8307 - loss: 0.4039
Epoch 6291/10000
1/1          0s 9ms/step -
accuracy: 0.8307 - loss: 0.4039
Epoch 6292/10000
1/1          0s 9ms/step -

```

accuracy: 0.8307 - loss: 0.4039
Epoch 6293/10000
1/1 0s 10ms/step -
accuracy: 0.8307 - loss: 0.4039
Epoch 6294/10000
1/1 0s 27ms/step -
accuracy: 0.8308 - loss: 0.4039
Epoch 6295/10000
1/1 0s 23ms/step -
accuracy: 0.8308 - loss: 0.4039
Epoch 6296/10000
1/1 0s 16ms/step -
accuracy: 0.8308 - loss: 0.4039
Epoch 6297/10000
1/1 0s 10ms/step -
accuracy: 0.8308 - loss: 0.4039
Epoch 6298/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4039
Epoch 6299/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4038
Epoch 6300/10000
1/1 0s 10ms/step -
accuracy: 0.8308 - loss: 0.4038
Epoch 6301/10000
1/1 0s 11ms/step -
accuracy: 0.8308 - loss: 0.4038
Epoch 6302/10000
1/1 0s 10ms/step -
accuracy: 0.8308 - loss: 0.4038
Epoch 6303/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4038
Epoch 6304/10000
1/1 0s 9ms/step -
accuracy: 0.8309 - loss: 0.4038
Epoch 6305/10000
1/1 0s 9ms/step -
accuracy: 0.8309 - loss: 0.4038
Epoch 6306/10000
1/1 0s 10ms/step -
accuracy: 0.8310 - loss: 0.4038
Epoch 6307/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4038
Epoch 6308/10000
1/1 0s 9ms/step -

accuracy: 0.8310 - loss: 0.4038
Epoch 6309/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4038
Epoch 6310/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6311/10000
1/1 0s 18ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6312/10000
1/1 0s 34ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6313/10000
1/1 0s 16ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6314/10000
1/1 0s 11ms/step -
accuracy: 0.8309 - loss: 0.4037
Epoch 6315/10000
1/1 0s 18ms/step -
accuracy: 0.8309 - loss: 0.4037
Epoch 6316/10000
1/1 0s 12ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6317/10000
1/1 0s 10ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6318/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6319/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6320/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6321/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4037
Epoch 6322/10000
1/1 0s 10ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6323/10000
1/1 0s 10ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6324/10000
1/1 0s 9ms/step -

accuracy: 0.8310 - loss: 0.4036
Epoch 6325/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6326/10000
1/1 0s 18ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6327/10000
1/1 0s 28ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6328/10000
1/1 0s 19ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6329/10000
1/1 0s 10ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6330/10000
1/1 0s 10ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6331/10000
1/1 0s 10ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6332/10000
1/1 0s 10ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6333/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4036
Epoch 6334/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4035
Epoch 6335/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4035
Epoch 6336/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4035
Epoch 6337/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4035
Epoch 6338/10000
1/1 0s 10ms/step -
accuracy: 0.8311 - loss: 0.4035
Epoch 6339/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4035
Epoch 6340/10000
1/1 0s 9ms/step -

accuracy: 0.8311 - loss: 0.4035
Epoch 6341/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4035
Epoch 6342/10000
1/1 0s 11ms/step -
accuracy: 0.8311 - loss: 0.4035
Epoch 6343/10000
1/1 0s 29ms/step -
accuracy: 0.8311 - loss: 0.4035
Epoch 6344/10000
1/1 0s 20ms/step -
accuracy: 0.8310 - loss: 0.4035
Epoch 6345/10000
1/1 0s 12ms/step -
accuracy: 0.8310 - loss: 0.4035
Epoch 6346/10000
1/1 0s 10ms/step -
accuracy: 0.8310 - loss: 0.4034
Epoch 6347/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4034
Epoch 6348/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4034
Epoch 6349/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4034
Epoch 6350/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4034
Epoch 6351/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4034
Epoch 6352/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4034
Epoch 6353/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4034
Epoch 6354/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4034
Epoch 6355/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4034
Epoch 6356/10000
1/1 0s 9ms/step -

accuracy: 0.8308 - loss: 0.4034
Epoch 6357/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4034
Epoch 6358/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6359/10000
1/1 0s 24ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6360/10000
1/1 0s 26ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6361/10000
1/1 0s 16ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6362/10000
1/1 0s 10ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6363/10000
1/1 0s 10ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6364/10000
1/1 0s 9ms/step -
accuracy: 0.8307 - loss: 0.4033
Epoch 6365/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6366/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6367/10000
1/1 0s 10ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6368/10000
1/1 0s 9ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6369/10000
1/1 0s 10ms/step -
accuracy: 0.8308 - loss: 0.4033
Epoch 6370/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4032
Epoch 6371/10000
1/1 0s 9ms/step -
accuracy: 0.8310 - loss: 0.4032
Epoch 6372/10000
1/1 0s 9ms/step -

accuracy: 0.8311 - loss: 0.4032
Epoch 6373/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4032
Epoch 6374/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4032
Epoch 6375/10000
1/1 0s 18ms/step -
accuracy: 0.8311 - loss: 0.4032
Epoch 6376/10000
1/1 0s 31ms/step -
accuracy: 0.8311 - loss: 0.4032
Epoch 6377/10000
1/1 0s 16ms/step -
accuracy: 0.8311 - loss: 0.4032
Epoch 6378/10000
1/1 0s 10ms/step -
accuracy: 0.8311 - loss: 0.4032
Epoch 6379/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4032
Epoch 6380/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4032
Epoch 6381/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4032
Epoch 6382/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4031
Epoch 6383/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4031
Epoch 6384/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4031
Epoch 6385/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4031
Epoch 6386/10000
1/1 0s 9ms/step -
accuracy: 0.8311 - loss: 0.4031
Epoch 6387/10000
1/1 0s 9ms/step -
accuracy: 0.8312 - loss: 0.4031
Epoch 6388/10000
1/1 0s 9ms/step -

accuracy: 0.8312 - loss: 0.4031
Epoch 6389/10000
1/1 0s 9ms/step -
accuracy: 0.8312 - loss: 0.4031
Epoch 6390/10000
1/1 0s 9ms/step -
accuracy: 0.8312 - loss: 0.4031
Epoch 6391/10000
1/1 0s 18ms/step -
accuracy: 0.8312 - loss: 0.4031
Epoch 6392/10000
1/1 0s 30ms/step -
accuracy: 0.8313 - loss: 0.4031
Epoch 6393/10000
1/1 0s 17ms/step -
accuracy: 0.8313 - loss: 0.4031
Epoch 6394/10000
1/1 0s 10ms/step -
accuracy: 0.8313 - loss: 0.4030
Epoch 6395/10000
1/1 0s 10ms/step -
accuracy: 0.8313 - loss: 0.4030
Epoch 6396/10000
1/1 0s 10ms/step -
accuracy: 0.8313 - loss: 0.4030
Epoch 6397/10000
1/1 0s 9ms/step -
accuracy: 0.8313 - loss: 0.4030
Epoch 6398/10000
1/1 0s 10ms/step -
accuracy: 0.8313 - loss: 0.4030
Epoch 6399/10000
1/1 0s 9ms/step -
accuracy: 0.8313 - loss: 0.4030
Epoch 6400/10000
1/1 0s 9ms/step -
accuracy: 0.8317 - loss: 0.4030
Epoch 6401/10000
1/1 0s 10ms/step -
accuracy: 0.8317 - loss: 0.4030
Epoch 6402/10000
1/1 0s 10ms/step -
accuracy: 0.8317 - loss: 0.4030
Epoch 6403/10000
1/1 0s 10ms/step -
accuracy: 0.8317 - loss: 0.4030
Epoch 6404/10000
1/1 0s 9ms/step -

accuracy: 0.8317 - loss: 0.4030
Epoch 6405/10000
1/1 0s 9ms/step -
accuracy: 0.8317 - loss: 0.4030
Epoch 6406/10000
1/1 0s 9ms/step -
accuracy: 0.8319 - loss: 0.4029
Epoch 6407/10000
1/1 0s 14ms/step -
accuracy: 0.8319 - loss: 0.4029
Epoch 6408/10000
1/1 0s 31ms/step -
accuracy: 0.8319 - loss: 0.4029
Epoch 6409/10000
1/1 0s 15ms/step -
accuracy: 0.8319 - loss: 0.4029
Epoch 6410/10000
1/1 0s 10ms/step -
accuracy: 0.8319 - loss: 0.4029
Epoch 6411/10000
1/1 0s 9ms/step -
accuracy: 0.8319 - loss: 0.4029
Epoch 6412/10000
1/1 0s 9ms/step -
accuracy: 0.8320 - loss: 0.4029
Epoch 6413/10000
1/1 0s 9ms/step -
accuracy: 0.8320 - loss: 0.4029
Epoch 6414/10000
1/1 0s 9ms/step -
accuracy: 0.8320 - loss: 0.4029
Epoch 6415/10000
1/1 0s 10ms/step -
accuracy: 0.8320 - loss: 0.4029
Epoch 6416/10000
1/1 0s 10ms/step -
accuracy: 0.8320 - loss: 0.4029
Epoch 6417/10000
1/1 0s 9ms/step -
accuracy: 0.8320 - loss: 0.4029
Epoch 6418/10000
1/1 0s 10ms/step -
accuracy: 0.8320 - loss: 0.4028
Epoch 6419/10000
1/1 0s 9ms/step -
accuracy: 0.8320 - loss: 0.4028
Epoch 6420/10000
1/1 0s 9ms/step -

accuracy: 0.8320 - loss: 0.4028
Epoch 6421/10000
1/1 0s 9ms/step -
accuracy: 0.8320 - loss: 0.4028
Epoch 6422/10000
1/1 0s 9ms/step -
accuracy: 0.8320 - loss: 0.4028
Epoch 6423/10000
1/1 0s 21ms/step -
accuracy: 0.8320 - loss: 0.4028
Epoch 6424/10000
1/1 0s 29ms/step -
accuracy: 0.8320 - loss: 0.4028
Epoch 6425/10000
1/1 0s 13ms/step -
accuracy: 0.8320 - loss: 0.4028
Epoch 6426/10000
1/1 0s 12ms/step -
accuracy: 0.8321 - loss: 0.4028
Epoch 6427/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4028
Epoch 6428/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4028
Epoch 6429/10000
1/1 0s 10ms/step -
accuracy: 0.8321 - loss: 0.4028
Epoch 6430/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4028
Epoch 6431/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4027
Epoch 6432/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4027
Epoch 6433/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4027
Epoch 6434/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4027
Epoch 6435/10000
1/1 0s 9ms/step -
accuracy: 0.8322 - loss: 0.4027
Epoch 6436/10000
1/1 0s 9ms/step -

accuracy: 0.8322 - loss: 0.4027
Epoch 6437/10000
1/1 0s 9ms/step -
accuracy: 0.8322 - loss: 0.4027
Epoch 6438/10000
1/1 0s 9ms/step -
accuracy: 0.8322 - loss: 0.4027
Epoch 6439/10000
1/1 0s 16ms/step -
accuracy: 0.8322 - loss: 0.4027
Epoch 6440/10000
1/1 0s 29ms/step -
accuracy: 0.8322 - loss: 0.4027
Epoch 6441/10000
1/1 0s 17ms/step -
accuracy: 0.8322 - loss: 0.4027
Epoch 6442/10000
1/1 0s 11ms/step -
accuracy: 0.8321 - loss: 0.4027
Epoch 6443/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6444/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6445/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6446/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6447/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6448/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6449/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6450/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6451/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6452/10000
1/1 0s 9ms/step -

accuracy: 0.8321 - loss: 0.4026
Epoch 6453/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6454/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4026
Epoch 6455/10000
1/1 0s 14ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6456/10000
1/1 0s 29ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6457/10000
1/1 0s 19ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6458/10000
1/1 0s 13ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6459/10000
1/1 0s 10ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6460/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6461/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6462/10000
1/1 0s 10ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6463/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6464/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6465/10000
1/1 0s 10ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6466/10000
1/1 0s 9ms/step -
accuracy: 0.8321 - loss: 0.4025
Epoch 6467/10000
1/1 0s 9ms/step -
accuracy: 0.8322 - loss: 0.4025
Epoch 6468/10000
1/1 0s 9ms/step -

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accuracy: 0.8322 - loss: 0.4024
Epoch 6469/10000
1/1          0s 9ms/step -
accuracy: 0.8322 - loss: 0.4024
Epoch 6470/10000
1/1          0s 9ms/step -
accuracy: 0.8322 - loss: 0.4024
Epoch 6471/10000
1/1          0s 16ms/step -
accuracy: 0.8322 - loss: 0.4024
Epoch 6472/10000
1/1          0s 29ms/step -
accuracy: 0.8322 - loss: 0.4024
Epoch 6473/10000
1/1          0s 14ms/step -
accuracy: 0.8322 - loss: 0.4024
Epoch 6474/10000
1/1          0s 17ms/step -
accuracy: 0.8322 - loss: 0.4024
Epoch 6475/10000
1/1          0s 9ms/step -
accuracy: 0.8322 - loss: 0.4024
Epoch 6476/10000
1/1          0s 9ms/step -
accuracy: 0.8322 - loss: 0.4024
Epoch 6477/10000
1/1          0s 10ms/step -
accuracy: 0.8322 - loss: 0.4024
Epoch 6478/10000
1/1          0s 9ms/step -
accuracy: 0.8323 - loss: 0.4024
Epoch 6479/10000
1/1          0s 9ms/step -
accuracy: 0.8323 - loss: 0.4024
Epoch 6480/10000
1/1          0s 9ms/step -
accuracy: 0.8323 - loss: 0.4023
Epoch 6481/10000
1/1          0s 9ms/step -
accuracy: 0.8328 - loss: 0.4023
Epoch 6482/10000
1/1          0s 9ms/step -
accuracy: 0.8328 - loss: 0.4023
Epoch 6483/10000
1/1          0s 9ms/step -
accuracy: 0.8328 - loss: 0.4023
Epoch 6484/10000
1/1          0s 10ms/step -

```

accuracy: 0.8328 - loss: 0.4023
Epoch 6485/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4023
Epoch 6486/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4023
Epoch 6487/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4023
Epoch 6488/10000
1/1 0s 28ms/step -
accuracy: 0.8329 - loss: 0.4023
Epoch 6489/10000
1/1 0s 21ms/step -
accuracy: 0.8329 - loss: 0.4023
Epoch 6490/10000
1/1 0s 15ms/step -
accuracy: 0.8327 - loss: 0.4023
Epoch 6491/10000
1/1 0s 10ms/step -
accuracy: 0.8327 - loss: 0.4023
Epoch 6492/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4022
Epoch 6493/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4022
Epoch 6494/10000
1/1 0s 10ms/step -
accuracy: 0.8328 - loss: 0.4022
Epoch 6495/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4022
Epoch 6496/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4022
Epoch 6497/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4022
Epoch 6498/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4022
Epoch 6499/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4022
Epoch 6500/10000
1/1 0s 10ms/step -

accuracy: 0.8323 - loss: 0.4022
Epoch 6501/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4022
Epoch 6502/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4022
Epoch 6503/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4022
Epoch 6504/10000
1/1 0s 27ms/step -
accuracy: 0.8323 - loss: 0.4022
Epoch 6505/10000
1/1 0s 20ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6506/10000
1/1 0s 15ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6507/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6508/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6509/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6510/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6511/10000
1/1 0s 11ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6512/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6513/10000
1/1 0s 17ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6514/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6515/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6516/10000
1/1 0s 9ms/step -

accuracy: 0.8323 - loss: 0.4021
Epoch 6517/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4021
Epoch 6518/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4020
Epoch 6519/10000
1/1 0s 16ms/step -
accuracy: 0.8323 - loss: 0.4020
Epoch 6520/10000
1/1 0s 28ms/step -
accuracy: 0.8323 - loss: 0.4020
Epoch 6521/10000
1/1 0s 14ms/step -
accuracy: 0.8323 - loss: 0.4020
Epoch 6522/10000
1/1 0s 14ms/step -
accuracy: 0.8324 - loss: 0.4020
Epoch 6523/10000
1/1 0s 10ms/step -
accuracy: 0.8324 - loss: 0.4020
Epoch 6524/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4020
Epoch 6525/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4020
Epoch 6526/10000
1/1 0s 10ms/step -
accuracy: 0.8324 - loss: 0.4020
Epoch 6527/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4020
Epoch 6528/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4020
Epoch 6529/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4020
Epoch 6530/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4019
Epoch 6531/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4019
Epoch 6532/10000
1/1 0s 9ms/step -

accuracy: 0.8325 - loss: 0.4019
Epoch 6533/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4019
Epoch 6534/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4019
Epoch 6535/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4019
Epoch 6536/10000
1/1 0s 42ms/step -
accuracy: 0.8325 - loss: 0.4019
Epoch 6537/10000
1/1 0s 17ms/step -
accuracy: 0.8325 - loss: 0.4019
Epoch 6538/10000
1/1 0s 15ms/step -
accuracy: 0.8323 - loss: 0.4019
Epoch 6539/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4019
Epoch 6540/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4019
Epoch 6541/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4019
Epoch 6542/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4019
Epoch 6543/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4018
Epoch 6544/10000
1/1 0s 10ms/step -
accuracy: 0.8324 - loss: 0.4018
Epoch 6545/10000
1/1 0s 10ms/step -
accuracy: 0.8324 - loss: 0.4018
Epoch 6546/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4018
Epoch 6547/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4018
Epoch 6548/10000
1/1 0s 9ms/step -

accuracy: 0.8324 - loss: 0.4018
Epoch 6549/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4018
Epoch 6550/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4018
Epoch 6551/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4018
Epoch 6552/10000
1/1 0s 31ms/step -
accuracy: 0.8324 - loss: 0.4018
Epoch 6553/10000
1/1 0s 25ms/step -
accuracy: 0.8324 - loss: 0.4018
Epoch 6554/10000
1/1 0s 16ms/step -
accuracy: 0.8323 - loss: 0.4018
Epoch 6555/10000
1/1 0s 11ms/step -
accuracy: 0.8323 - loss: 0.4018
Epoch 6556/10000
1/1 0s 13ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6557/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6558/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6559/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6560/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6561/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6562/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6563/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6564/10000
1/1 0s 9ms/step -

accuracy: 0.8323 - loss: 0.4017
Epoch 6565/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6566/10000
1/1 0s 15ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6567/10000
1/1 0s 28ms/step -
accuracy: 0.8323 - loss: 0.4017
Epoch 6568/10000
1/1 0s 18ms/step -
accuracy: 0.8323 - loss: 0.4016
Epoch 6569/10000
1/1 0s 11ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6570/10000
1/1 0s 10ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6571/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6572/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6573/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6574/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6575/10000
1/1 0s 10ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6576/10000
1/1 0s 10ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6577/10000
1/1 0s 10ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6578/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6579/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4016
Epoch 6580/10000
1/1 0s 9ms/step -

accuracy: 0.8324 - loss: 0.4016
Epoch 6581/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4015
Epoch 6582/10000
1/1 0s 10ms/step -
accuracy: 0.8324 - loss: 0.4015
Epoch 6583/10000
1/1 0s 28ms/step -
accuracy: 0.8323 - loss: 0.4015
Epoch 6584/10000
1/1 0s 20ms/step -
accuracy: 0.8323 - loss: 0.4015
Epoch 6585/10000
1/1 0s 13ms/step -
accuracy: 0.8323 - loss: 0.4015
Epoch 6586/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4015
Epoch 6587/10000
1/1 0s 10ms/step -
accuracy: 0.8323 - loss: 0.4015
Epoch 6588/10000
1/1 0s 9ms/step -
accuracy: 0.8323 - loss: 0.4015
Epoch 6589/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4015
Epoch 6590/10000
1/1 0s 9ms/step -
accuracy: 0.8324 - loss: 0.4015
Epoch 6591/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4015
Epoch 6592/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4015
Epoch 6593/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4015
Epoch 6594/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6595/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6596/10000
1/1 0s 9ms/step -

accuracy: 0.8325 - loss: 0.4014
Epoch 6597/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4014
Epoch 6598/10000
1/1 0s 10ms/step -
accuracy: 0.8327 - loss: 0.4014
Epoch 6599/10000
1/1 0s 29ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6600/10000
1/1 0s 22ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6601/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6602/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6603/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6604/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6605/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6606/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4014
Epoch 6607/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4013
Epoch 6608/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4013
Epoch 6609/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.4013
Epoch 6610/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4013
Epoch 6611/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.4013
Epoch 6612/10000
1/1 0s 9ms/step -

accuracy: 0.8326 - loss: 0.4013
Epoch 6613/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4013
Epoch 6614/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4013
Epoch 6615/10000
1/1 0s 28ms/step -
accuracy: 0.8326 - loss: 0.4013
Epoch 6616/10000
1/1 0s 20ms/step -
accuracy: 0.8326 - loss: 0.4013
Epoch 6617/10000
1/1 0s 16ms/step -
accuracy: 0.8326 - loss: 0.4013
Epoch 6618/10000
1/1 0s 10ms/step -
accuracy: 0.8326 - loss: 0.4013
Epoch 6619/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4013
Epoch 6620/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4012
Epoch 6621/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4012
Epoch 6622/10000
1/1 0s 10ms/step -
accuracy: 0.8327 - loss: 0.4012
Epoch 6623/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4012
Epoch 6624/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4012
Epoch 6625/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4012
Epoch 6626/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4012
Epoch 6627/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4012
Epoch 6628/10000
1/1 0s 9ms/step -

accuracy: 0.8329 - loss: 0.4012
Epoch 6629/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4012
Epoch 6630/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4012
Epoch 6631/10000
1/1 0s 33ms/step -
accuracy: 0.8329 - loss: 0.4012
Epoch 6632/10000
1/1 0s 19ms/step -
accuracy: 0.8329 - loss: 0.4012
Epoch 6633/10000
1/1 0s 17ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6634/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6635/10000
1/1 0s 10ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6636/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6637/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6638/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6639/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6640/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6641/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6642/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4011
Epoch 6643/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4011
Epoch 6644/10000
1/1 0s 9ms/step -

accuracy: 0.8327 - loss: 0.4011
Epoch 6645/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4011
Epoch 6646/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6647/10000
1/1 0s 27ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6648/10000
1/1 0s 24ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6649/10000
1/1 0s 15ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6650/10000
1/1 0s 10ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6651/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6652/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6653/10000
1/1 0s 10ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6654/10000
1/1 0s 10ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6655/10000
1/1 0s 10ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6656/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6657/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4010
Epoch 6658/10000
1/1 0s 10ms/step -
accuracy: 0.8326 - loss: 0.4010
Epoch 6659/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6660/10000
1/1 0s 9ms/step -

accuracy: 0.8326 - loss: 0.4009
Epoch 6661/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6662/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6663/10000
1/1 0s 28ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6664/10000
1/1 0s 24ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6665/10000
1/1 0s 16ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6666/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6667/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6668/10000
1/1 0s 10ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6669/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6670/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4009
Epoch 6671/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4009
Epoch 6672/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.4008
Epoch 6673/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4008
Epoch 6674/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4008
Epoch 6675/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6676/10000
1/1 0s 10ms/step -

accuracy: 0.8329 - loss: 0.4008
Epoch 6677/10000
1/1 0s 10ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6678/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6679/10000
1/1 0s 23ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6680/10000
1/1 0s 26ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6681/10000
1/1 0s 17ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6682/10000
1/1 0s 10ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6683/10000
1/1 0s 10ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6684/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6685/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4008
Epoch 6686/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4007
Epoch 6687/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4007
Epoch 6688/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4007
Epoch 6689/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4007
Epoch 6690/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4007
Epoch 6691/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4007
Epoch 6692/10000
1/1 0s 9ms/step -

accuracy: 0.8329 - loss: 0.4007
Epoch 6693/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4007
Epoch 6694/10000
1/1 0s 10ms/step -
accuracy: 0.8330 - loss: 0.4007
Epoch 6695/10000
1/1 0s 23ms/step -
accuracy: 0.8331 - loss: 0.4007
Epoch 6696/10000
1/1 0s 27ms/step -
accuracy: 0.8331 - loss: 0.4007
Epoch 6697/10000
1/1 0s 15ms/step -
accuracy: 0.8331 - loss: 0.4007
Epoch 6698/10000
1/1 0s 10ms/step -
accuracy: 0.8331 - loss: 0.4007
Epoch 6699/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4006
Epoch 6700/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4006
Epoch 6701/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4006
Epoch 6702/10000
1/1 0s 10ms/step -
accuracy: 0.8331 - loss: 0.4006
Epoch 6703/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4006
Epoch 6704/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4006
Epoch 6705/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4006
Epoch 6706/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4006
Epoch 6707/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4006
Epoch 6708/10000
1/1 0s 9ms/step -

accuracy: 0.8331 - loss: 0.4006
Epoch 6709/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4006
Epoch 6710/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4006
Epoch 6711/10000
1/1 0s 11ms/step -
accuracy: 0.8331 - loss: 0.4006
Epoch 6712/10000
1/1 0s 30ms/step -
accuracy: 0.8331 - loss: 0.4005
Epoch 6713/10000
1/1 0s 23ms/step -
accuracy: 0.8331 - loss: 0.4005
Epoch 6714/10000
1/1 0s 10ms/step -
accuracy: 0.8331 - loss: 0.4005
Epoch 6715/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4005
Epoch 6716/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4005
Epoch 6717/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4005
Epoch 6718/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4005
Epoch 6719/10000
1/1 0s 10ms/step -
accuracy: 0.8332 - loss: 0.4005
Epoch 6720/10000
1/1 0s 10ms/step -
accuracy: 0.8332 - loss: 0.4005
Epoch 6721/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4005
Epoch 6722/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4005
Epoch 6723/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4005
Epoch 6724/10000
1/1 0s 9ms/step -

accuracy: 0.8332 - loss: 0.4005
Epoch 6725/10000
1/1 0s 9ms/step -
accuracy: 0.8334 - loss: 0.4005
Epoch 6726/10000
1/1 0s 10ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6727/10000
1/1 0s 9ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6728/10000
1/1 0s 22ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6729/10000
1/1 0s 27ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6730/10000
1/1 0s 15ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6731/10000
1/1 0s 9ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6732/10000
1/1 0s 9ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6733/10000
1/1 0s 9ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6734/10000
1/1 0s 9ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6735/10000
1/1 0s 9ms/step -
accuracy: 0.8334 - loss: 0.4004
Epoch 6736/10000
1/1 0s 10ms/step -
accuracy: 0.8328 - loss: 0.4004
Epoch 6737/10000
1/1 0s 10ms/step -
accuracy: 0.8328 - loss: 0.4004
Epoch 6738/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4004
Epoch 6739/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4003
Epoch 6740/10000
1/1 0s 9ms/step -

accuracy: 0.8328 - loss: 0.4003
Epoch 6741/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4003
Epoch 6742/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4003
Epoch 6743/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4003
Epoch 6744/10000
1/1 0s 20ms/step -
accuracy: 0.8328 - loss: 0.4003
Epoch 6745/10000
1/1 0s 31ms/step -
accuracy: 0.8328 - loss: 0.4003
Epoch 6746/10000
1/1 0s 14ms/step -
accuracy: 0.8328 - loss: 0.4003
Epoch 6747/10000
1/1 0s 11ms/step -
accuracy: 0.8328 - loss: 0.4003
Epoch 6748/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.4003
Epoch 6749/10000
1/1 0s 10ms/step -
accuracy: 0.8329 - loss: 0.4003
Epoch 6750/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4003
Epoch 6751/10000
1/1 0s 10ms/step -
accuracy: 0.8329 - loss: 0.4003
Epoch 6752/10000
1/1 0s 10ms/step -
accuracy: 0.8329 - loss: 0.4003
Epoch 6753/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6754/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6755/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6756/10000
1/1 0s 9ms/step -

accuracy: 0.8329 - loss: 0.4002
Epoch 6757/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6758/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6759/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6760/10000
1/1 0s 13ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6761/10000
1/1 0s 24ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6762/10000
1/1 0s 14ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6763/10000
1/1 0s 16ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6764/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6765/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6766/10000
1/1 0s 9ms/step -
accuracy: 0.8329 - loss: 0.4002
Epoch 6767/10000
1/1 0s 9ms/step -
accuracy: 0.8330 - loss: 0.4001
Epoch 6768/10000
1/1 0s 10ms/step -
accuracy: 0.8330 - loss: 0.4001
Epoch 6769/10000
1/1 0s 10ms/step -
accuracy: 0.8330 - loss: 0.4001
Epoch 6770/10000
1/1 0s 9ms/step -
accuracy: 0.8330 - loss: 0.4001
Epoch 6771/10000
1/1 0s 9ms/step -
accuracy: 0.8330 - loss: 0.4001
Epoch 6772/10000
1/1 0s 9ms/step -

accuracy: 0.8331 - loss: 0.4001
Epoch 6773/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4001
Epoch 6774/10000
1/1 0s 10ms/step -
accuracy: 0.8331 - loss: 0.4001
Epoch 6775/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4001
Epoch 6776/10000
1/1 0s 10ms/step -
accuracy: 0.8331 - loss: 0.4001
Epoch 6777/10000
1/1 0s 25ms/step -
accuracy: 0.8331 - loss: 0.4001
Epoch 6778/10000
1/1 0s 25ms/step -
accuracy: 0.8330 - loss: 0.4001
Epoch 6779/10000
1/1 0s 14ms/step -
accuracy: 0.8330 - loss: 0.4001
Epoch 6780/10000
1/1 0s 10ms/step -
accuracy: 0.8331 - loss: 0.4000
Epoch 6781/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4000
Epoch 6782/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4000
Epoch 6783/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4000
Epoch 6784/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4000
Epoch 6785/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4000
Epoch 6786/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4000
Epoch 6787/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4000
Epoch 6788/10000
1/1 0s 9ms/step -

accuracy: 0.8332 - loss: 0.4000
Epoch 6789/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4000
Epoch 6790/10000
1/1 0s 9ms/step -
accuracy: 0.8332 - loss: 0.4000
Epoch 6791/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4000
Epoch 6792/10000
1/1 0s 9ms/step -
accuracy: 0.8331 - loss: 0.4000
Epoch 6793/10000
1/1 0s 9ms/step -
accuracy: 0.8327 - loss: 0.4000
Epoch 6794/10000
1/1 0s 34ms/step -
accuracy: 0.8327 - loss: 0.3999
Epoch 6795/10000
1/1 0s 18ms/step -
accuracy: 0.8327 - loss: 0.3999
Epoch 6796/10000
1/1 0s 14ms/step -
accuracy: 0.8327 - loss: 0.3999
Epoch 6797/10000
1/1 0s 10ms/step -
accuracy: 0.8326 - loss: 0.3999
Epoch 6798/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3999
Epoch 6799/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3999
Epoch 6800/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.3999
Epoch 6801/10000
1/1 0s 9ms/step -
accuracy: 0.8326 - loss: 0.3999
Epoch 6802/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3999
Epoch 6803/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3999
Epoch 6804/10000
1/1 0s 10ms/step -

accuracy: 0.8325 - loss: 0.3999
Epoch 6805/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3999
Epoch 6806/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3999
Epoch 6807/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3999
Epoch 6808/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6809/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6810/10000
1/1 0s 52ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6811/10000
1/1 0s 20ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6812/10000
1/1 0s 15ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6813/10000
1/1 0s 11ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6814/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6815/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6816/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6817/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6818/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6819/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6820/10000
1/1 0s 9ms/step -

accuracy: 0.8325 - loss: 0.3998
Epoch 6821/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3998
Epoch 6822/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3997
Epoch 6823/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3997
Epoch 6824/10000
1/1 0s 15ms/step -
accuracy: 0.8325 - loss: 0.3997
Epoch 6825/10000
1/1 0s 26ms/step -
accuracy: 0.8325 - loss: 0.3997
Epoch 6826/10000
1/1 0s 15ms/step -
accuracy: 0.8325 - loss: 0.3997
Epoch 6827/10000
1/1 0s 16ms/step -
accuracy: 0.8325 - loss: 0.3997
Epoch 6828/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3997
Epoch 6829/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3997
Epoch 6830/10000
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accuracy: 0.8325 - loss: 0.3997
Epoch 6831/10000
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accuracy: 0.8325 - loss: 0.3997
Epoch 6832/10000
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Epoch 6833/10000
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accuracy: 0.8325 - loss: 0.3997
Epoch 6834/10000
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accuracy: 0.8325 - loss: 0.3997
Epoch 6835/10000
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accuracy: 0.8325 - loss: 0.3997
Epoch 6836/10000
1/1 0s 9ms/step -

accuracy: 0.8325 - loss: 0.3996
Epoch 6837/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3996
Epoch 6838/10000
1/1 0s 10ms/step -
accuracy: 0.8325 - loss: 0.3996
Epoch 6839/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3996
Epoch 6840/10000
1/1 0s 17ms/step -
accuracy: 0.8325 - loss: 0.3996
Epoch 6841/10000
1/1 0s 30ms/step -
accuracy: 0.8325 - loss: 0.3996
Epoch 6842/10000
1/1 0s 20ms/step -
accuracy: 0.8325 - loss: 0.3996
Epoch 6843/10000
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accuracy: 0.8325 - loss: 0.3996
Epoch 6844/10000
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accuracy: 0.8325 - loss: 0.3996
Epoch 6845/10000
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accuracy: 0.8325 - loss: 0.3996
Epoch 6846/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3996
Epoch 6847/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3996
Epoch 6848/10000
1/1 0s 9ms/step -
accuracy: 0.8325 - loss: 0.3996
Epoch 6849/10000
1/1 0s 10ms/step -
accuracy: 0.8328 - loss: 0.3996
Epoch 6850/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.3995
Epoch 6851/10000
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accuracy: 0.8328 - loss: 0.3995
Epoch 6852/10000
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accuracy: 0.8328 - loss: 0.3995
Epoch 6853/10000
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Epoch 6854/10000
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Epoch 6855/10000
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accuracy: 0.8328 - loss: 0.3995
Epoch 6856/10000
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accuracy: 0.8328 - loss: 0.3995
Epoch 6857/10000
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accuracy: 0.8328 - loss: 0.3995
Epoch 6858/10000
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accuracy: 0.8328 - loss: 0.3995
Epoch 6859/10000
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accuracy: 0.8328 - loss: 0.3995
Epoch 6860/10000
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accuracy: 0.8328 - loss: 0.3995
Epoch 6861/10000
1/1 0s 9ms/step -
accuracy: 0.8328 - loss: 0.3995
Epoch 6862/10000
1/1 0s 9ms/step -
accuracy: 0.8330 - loss: 0.3995
Epoch 6863/10000
1/1 0s 10ms/step -
accuracy: 0.8330 - loss: 0.3995
Epoch 6864/10000
1/1 0s 9ms/step -
accuracy: 0.8330 - loss: 0.3994
Epoch 6865/10000
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accuracy: 0.8330 - loss: 0.3994
Epoch 6866/10000
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accuracy: 0.8330 - loss: 0.3994
Epoch 6867/10000
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accuracy: 0.8330 - loss: 0.3994
Epoch 6868/10000
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accuracy: 0.8330 - loss: 0.3994
Epoch 6869/10000
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accuracy: 0.8330 - loss: 0.3994
Epoch 6870/10000
1/1 0s 12ms/step -
accuracy: 0.8330 - loss: 0.3994
Epoch 6871/10000
1/1 0s 12ms/step -
accuracy: 0.8330 - loss: 0.3994
Epoch 6872/10000
1/1 0s 48ms/step -
accuracy: 0.8330 - loss: 0.3994
Epoch 6873/10000
1/1 0s 15ms/step -
accuracy: 0.8330 - loss: 0.3994
Epoch 6874/10000
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accuracy: 0.8330 - loss: 0.3994
Epoch 6875/10000
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accuracy: 0.8330 - loss: 0.3994
Epoch 6876/10000
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accuracy: 0.8330 - loss: 0.3994
Epoch 6877/10000
1/1 0s 10ms/step -
accuracy: 0.8330 - loss: 0.3994
Epoch 6878/10000
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accuracy: 0.8331 - loss: 0.3993
Epoch 6879/10000
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accuracy: 0.8331 - loss: 0.3993
Epoch 6880/10000
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accuracy: 0.8331 - loss: 0.3993
Epoch 6881/10000
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Epoch 6882/10000
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Epoch 6883/10000
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Epoch 6884/10000
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accuracy: 0.8331 - loss: 0.3993
Epoch 6885/10000
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Epoch 6886/10000
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Epoch 6887/10000
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Epoch 6888/10000
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Epoch 6889/10000
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Epoch 6890/10000
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Epoch 6891/10000
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accuracy: 0.8331 - loss: 0.3993
Epoch 6892/10000
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accuracy: 0.8331 - loss: 0.3992
Epoch 6893/10000
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Epoch 6894/10000
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Epoch 6895/10000
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Epoch 6896/10000
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Epoch 6897/10000
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Epoch 6898/10000
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Epoch 6899/10000
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Epoch 6900/10000
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accuracy: 0.8331 - loss: 0.3992
Epoch 6901/10000
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accuracy: 0.8331 - loss: 0.3992
Epoch 6902/10000
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accuracy: 0.8331 - loss: 0.3992
Epoch 6903/10000
1/1 0s 23ms/step -
accuracy: 0.8331 - loss: 0.3992
Epoch 6904/10000
1/1 0s 33ms/step -
accuracy: 0.8331 - loss: 0.3992
Epoch 6905/10000
1/1 0s 19ms/step -
accuracy: 0.8332 - loss: 0.3992
Epoch 6906/10000
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accuracy: 0.8332 - loss: 0.3992
Epoch 6907/10000
1/1 0s 16ms/step -
accuracy: 0.8332 - loss: 0.3991
Epoch 6908/10000
1/1 0s 12ms/step -
accuracy: 0.8332 - loss: 0.3991
Epoch 6909/10000
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accuracy: 0.8332 - loss: 0.3991
Epoch 6910/10000
1/1 0s 14ms/step -
accuracy: 0.8332 - loss: 0.3991
Epoch 6911/10000
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accuracy: 0.8332 - loss: 0.3991
Epoch 6912/10000
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accuracy: 0.8332 - loss: 0.3991
Epoch 6913/10000
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accuracy: 0.8332 - loss: 0.3991
Epoch 6914/10000
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accuracy: 0.8332 - loss: 0.3991
Epoch 6915/10000
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accuracy: 0.8332 - loss: 0.3991
Epoch 6916/10000
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accuracy: 0.8332 - loss: 0.3991
Epoch 6917/10000
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Epoch 6918/10000
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accuracy: 0.8332 - loss: 0.3991
Epoch 6919/10000
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Epoch 6920/10000
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accuracy: 0.8332 - loss: 0.3991
Epoch 6921/10000
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accuracy: 0.8332 - loss: 0.3990
Epoch 6922/10000
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Epoch 6923/10000
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Epoch 6924/10000
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Epoch 6925/10000
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Epoch 6926/10000
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Epoch 6927/10000
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Epoch 6928/10000
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Epoch 6929/10000
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Epoch 6935/10000
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Epoch 7001/10000
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Epoch 7002/10000
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Epoch 7003/10000
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Epoch 7041/10000
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Epoch 7042/10000
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Epoch 7043/10000
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Epoch 7045/10000
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Epoch 7046/10000
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Epoch 7047/10000
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Epoch 7048/10000
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Epoch 7050/10000
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Epoch 7051/10000
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1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3982
Epoch 7054/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7055/10000
1/1 0s 9ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7056/10000
1/1 0s 9ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7057/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7058/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7059/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7060/10000
1/1 0s 10ms/step -

accuracy: 0.8336 - loss: 0.3981
Epoch 7061/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7062/10000
1/1 0s 37ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7063/10000
1/1 0s 17ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7064/10000
1/1 0s 13ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7065/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7066/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7067/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7068/10000
1/1 0s 13ms/step -
accuracy: 0.8336 - loss: 0.3981
Epoch 7069/10000
1/1 0s 15ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7070/10000
1/1 0s 12ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7071/10000
1/1 0s 14ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7072/10000
1/1 0s 9ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7073/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7074/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7075/10000
1/1 0s 16ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7076/10000
1/1 0s 33ms/step -

accuracy: 0.8336 - loss: 0.3980
Epoch 7077/10000
1/1 0s 15ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7078/10000
1/1 0s 14ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7079/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7080/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7081/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3980
Epoch 7082/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3980
Epoch 7083/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3980
Epoch 7084/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7085/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7086/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7087/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7088/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7089/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7090/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7091/10000
1/1 0s 11ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7092/10000
1/1 0s 37ms/step -

accuracy: 0.8337 - loss: 0.3979
Epoch 7093/10000
1/1 0s 16ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7094/10000
1/1 0s 11ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7095/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7096/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7097/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7098/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3979
Epoch 7099/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3978
Epoch 7100/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3978
Epoch 7101/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3978
Epoch 7102/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3978
Epoch 7103/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3978
Epoch 7104/10000
1/1 0s 10ms/step -
accuracy: 0.8337 - loss: 0.3978
Epoch 7105/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3978
Epoch 7106/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3978
Epoch 7107/10000
1/1 0s 37ms/step -
accuracy: 0.8336 - loss: 0.3978
Epoch 7108/10000
1/1 0s 23ms/step -

accuracy: 0.8336 - loss: 0.3978
Epoch 7109/10000
1/1 0s 11ms/step -
accuracy: 0.8336 - loss: 0.3978
Epoch 7110/10000
1/1 0s 9ms/step -
accuracy: 0.8336 - loss: 0.3978
Epoch 7111/10000
1/1 0s 9ms/step -
accuracy: 0.8336 - loss: 0.3978
Epoch 7112/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3978
Epoch 7113/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3978
Epoch 7114/10000
1/1 0s 9ms/step -
accuracy: 0.8336 - loss: 0.3978
Epoch 7115/10000
1/1 0s 10ms/step -
accuracy: 0.8336 - loss: 0.3977
Epoch 7116/10000
1/1 0s 9ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7117/10000
1/1 0s 9ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7118/10000
1/1 0s 9ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7119/10000
1/1 0s 10ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7120/10000
1/1 0s 9ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7121/10000
1/1 0s 10ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7122/10000
1/1 0s 29ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7123/10000
1/1 0s 26ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7124/10000
1/1 0s 19ms/step -

```

accuracy: 0.8335 - loss: 0.3977
Epoch 7125/10000
1/1          0s 11ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7126/10000
1/1          0s 11ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7127/10000
1/1          0s 10ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7128/10000
1/1          0s 10ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7129/10000
1/1          0s 9ms/step -
accuracy: 0.8335 - loss: 0.3977
Epoch 7130/10000
1/1          0s 10ms/step -
accuracy: 0.8335 - loss: 0.3976
Epoch 7131/10000
1/1          0s 10ms/step -
accuracy: 0.8335 - loss: 0.3976
Epoch 7132/10000
1/1          0s 10ms/step -
accuracy: 0.8335 - loss: 0.3976
Epoch 7133/10000
1/1          0s 10ms/step -
accuracy: 0.8336 - loss: 0.3976
Epoch 7134/10000
1/1          0s 10ms/step -
accuracy: 0.8336 - loss: 0.3976
Epoch 7135/10000
1/1          0s 10ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7136/10000
1/1          0s 10ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7137/10000
1/1          0s 10ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7138/10000
1/1          0s 27ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7139/10000
1/1          0s 23ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7140/10000
1/1          0s 14ms/step -

```

accuracy: 0.8339 - loss: 0.3976
Epoch 7141/10000
1/1 0s 11ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7142/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7143/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7144/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7145/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3976
Epoch 7146/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3975
Epoch 7147/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3975
Epoch 7148/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3975
Epoch 7149/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3975
Epoch 7150/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3975
Epoch 7151/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3975
Epoch 7152/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3975
Epoch 7153/10000
1/1 0s 10ms/step -
accuracy: 0.8339 - loss: 0.3975
Epoch 7154/10000
1/1 0s 32ms/step -
accuracy: 0.8339 - loss: 0.3975
Epoch 7155/10000
1/1 0s 22ms/step -
accuracy: 0.8342 - loss: 0.3975
Epoch 7156/10000
1/1 0s 15ms/step -

```

accuracy: 0.8342 - loss: 0.3975
Epoch 7157/10000
1/1          0s 10ms/step -
accuracy: 0.8342 - loss: 0.3975
Epoch 7158/10000
1/1          0s 10ms/step -
accuracy: 0.8342 - loss: 0.3975
Epoch 7159/10000
1/1          0s 10ms/step -
accuracy: 0.8342 - loss: 0.3975
Epoch 7160/10000
1/1          0s 10ms/step -
accuracy: 0.8342 - loss: 0.3975
Epoch 7161/10000
1/1          0s 10ms/step -
accuracy: 0.8342 - loss: 0.3974
Epoch 7162/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7163/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7164/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7165/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7166/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7167/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7168/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7169/10000
1/1          0s 13ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7170/10000
1/1          0s 34ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7171/10000
1/1          0s 21ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7172/10000
1/1          0s 20ms/step -

```

accuracy: 0.8343 - loss: 0.3974
Epoch 7173/10000
1/1 0s 13ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7174/10000
1/1 0s 11ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7175/10000
1/1 0s 12ms/step -
accuracy: 0.8343 - loss: 0.3974
Epoch 7176/10000
1/1 0s 12ms/step -
accuracy: 0.8342 - loss: 0.3974
Epoch 7177/10000
1/1 0s 12ms/step -
accuracy: 0.8342 - loss: 0.3973
Epoch 7178/10000
1/1 0s 11ms/step -
accuracy: 0.8342 - loss: 0.3973
Epoch 7179/10000
1/1 0s 12ms/step -
accuracy: 0.8342 - loss: 0.3973
Epoch 7180/10000
1/1 0s 11ms/step -
accuracy: 0.8342 - loss: 0.3973
Epoch 7181/10000
1/1 0s 12ms/step -
accuracy: 0.8342 - loss: 0.3973
Epoch 7182/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7183/10000
1/1 0s 11ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7184/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7185/10000
1/1 0s 21ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7186/10000
1/1 0s 32ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7187/10000
1/1 0s 17ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7188/10000
1/1 0s 11ms/step -

accuracy: 0.8341 - loss: 0.3973
Epoch 7189/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7190/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7191/10000
1/1 0s 11ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7192/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3973
Epoch 7193/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7194/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7195/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7196/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7197/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7198/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7199/10000
1/1 0s 10ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7200/10000
1/1 0s 32ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7201/10000
1/1 0s 24ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7202/10000
1/1 0s 17ms/step -
accuracy: 0.8341 - loss: 0.3972
Epoch 7203/10000
1/1 0s 10ms/step -
accuracy: 0.8342 - loss: 0.3972
Epoch 7204/10000
1/1 0s 11ms/step -

accuracy: 0.8343 - loss: 0.3972
Epoch 7205/10000
1/1 0s 11ms/step -
accuracy: 0.8343 - loss: 0.3972
Epoch 7206/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3972
Epoch 7207/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3972
Epoch 7208/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3972
Epoch 7209/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7210/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7211/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7212/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7213/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7214/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7215/10000
1/1 0s 20ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7216/10000
1/1 0s 32ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7217/10000
1/1 0s 11ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7218/10000
1/1 0s 17ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7219/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7220/10000
1/1 0s 10ms/step -

accuracy: 0.8343 - loss: 0.3971
Epoch 7221/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7222/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7223/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7224/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3971
Epoch 7225/10000
1/1 0s 9ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7226/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7227/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7228/10000
1/1 0s 9ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7229/10000
1/1 0s 9ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7230/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7231/10000
1/1 0s 9ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7232/10000
1/1 0s 14ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7233/10000
1/1 0s 34ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7234/10000
1/1 0s 16ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7235/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7236/10000
1/1 0s 10ms/step -

accuracy: 0.8343 - loss: 0.3970
Epoch 7237/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7238/10000
1/1 0s 30ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7239/10000
1/1 0s 11ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7240/10000
1/1 0s 11ms/step -
accuracy: 0.8343 - loss: 0.3970
Epoch 7241/10000
1/1 0s 11ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7242/10000
1/1 0s 11ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7243/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7244/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7245/10000
1/1 0s 11ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7246/10000
1/1 0s 33ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7247/10000
1/1 0s 18ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7248/10000
1/1 0s 16ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7249/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7250/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7251/10000
1/1 0s 10ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7252/10000
1/1 0s 10ms/step -

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accuracy: 0.8343 - loss: 0.3969
Epoch 7253/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7254/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7255/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7256/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3969
Epoch 7257/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7258/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7259/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7260/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7261/10000
1/1          0s 28ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7262/10000
1/1          0s 24ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7263/10000
1/1          0s 17ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7264/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7265/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7266/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7267/10000
1/1          0s 10ms/step -
accuracy: 0.8343 - loss: 0.3968
Epoch 7268/10000
1/1          0s 10ms/step -

```

accuracy: 0.8344 - loss: 0.3968
Epoch 7269/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3968
Epoch 7270/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3968
Epoch 7271/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3968
Epoch 7272/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3968
Epoch 7273/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3967
Epoch 7274/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3967
Epoch 7275/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3967
Epoch 7276/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3967
Epoch 7277/10000
1/1 0s 36ms/step -
accuracy: 0.8344 - loss: 0.3967
Epoch 7278/10000
1/1 0s 16ms/step -
accuracy: 0.8344 - loss: 0.3967
Epoch 7279/10000
1/1 0s 14ms/step -
accuracy: 0.8344 - loss: 0.3967
Epoch 7280/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3967
Epoch 7281/10000
1/1 0s 10ms/step -
accuracy: 0.8344 - loss: 0.3967
Epoch 7282/10000
1/1 0s 10ms/step -
accuracy: 0.8345 - loss: 0.3967
Epoch 7283/10000
1/1 0s 10ms/step -
accuracy: 0.8347 - loss: 0.3967
Epoch 7284/10000
1/1 0s 9ms/step -

accuracy: 0.8347 - loss: 0.3967
Epoch 7285/10000
1/1 0s 9ms/step -
accuracy: 0.8347 - loss: 0.3967
Epoch 7286/10000
1/1 0s 9ms/step -
accuracy: 0.8347 - loss: 0.3967
Epoch 7287/10000
1/1 0s 9ms/step -
accuracy: 0.8340 - loss: 0.3967
Epoch 7288/10000
1/1 0s 12ms/step -
accuracy: 0.8340 - loss: 0.3967
Epoch 7289/10000
1/1 0s 10ms/step -
accuracy: 0.8340 - loss: 0.3966
Epoch 7290/10000
1/1 0s 10ms/step -
accuracy: 0.8340 - loss: 0.3966
Epoch 7291/10000
1/1 0s 10ms/step -
accuracy: 0.8340 - loss: 0.3966
Epoch 7292/10000
1/1 0s 26ms/step -
accuracy: 0.8347 - loss: 0.3966
Epoch 7293/10000
1/1 0s 27ms/step -
accuracy: 0.8348 - loss: 0.3966
Epoch 7294/10000
1/1 0s 16ms/step -
accuracy: 0.8348 - loss: 0.3966
Epoch 7295/10000
1/1 0s 10ms/step -
accuracy: 0.8348 - loss: 0.3966
Epoch 7296/10000
1/1 0s 10ms/step -
accuracy: 0.8348 - loss: 0.3966
Epoch 7297/10000
1/1 0s 10ms/step -
accuracy: 0.8348 - loss: 0.3966
Epoch 7298/10000
1/1 0s 9ms/step -
accuracy: 0.8348 - loss: 0.3966
Epoch 7299/10000
1/1 0s 9ms/step -
accuracy: 0.8349 - loss: 0.3966
Epoch 7300/10000
1/1 0s 9ms/step -

accuracy: 0.8349 - loss: 0.3966
Epoch 7301/10000
1/1 0s 9ms/step -
accuracy: 0.8349 - loss: 0.3966
Epoch 7302/10000
1/1 0s 10ms/step -
accuracy: 0.8349 - loss: 0.3966
Epoch 7303/10000
1/1 0s 10ms/step -
accuracy: 0.8349 - loss: 0.3966
Epoch 7304/10000
1/1 0s 10ms/step -
accuracy: 0.8349 - loss: 0.3966
Epoch 7305/10000
1/1 0s 10ms/step -
accuracy: 0.8350 - loss: 0.3966
Epoch 7306/10000
1/1 0s 10ms/step -
accuracy: 0.8350 - loss: 0.3965
Epoch 7307/10000
1/1 0s 10ms/step -
accuracy: 0.8350 - loss: 0.3965
Epoch 7308/10000
1/1 0s 54ms/step -
accuracy: 0.8350 - loss: 0.3965
Epoch 7309/10000
1/1 0s 15ms/step -
accuracy: 0.8350 - loss: 0.3965
Epoch 7310/10000
1/1 0s 14ms/step -
accuracy: 0.8350 - loss: 0.3965
Epoch 7311/10000
1/1 0s 10ms/step -
accuracy: 0.8350 - loss: 0.3965
Epoch 7312/10000
1/1 0s 11ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7313/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7314/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7315/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7316/10000
1/1 0s 10ms/step -

accuracy: 0.8351 - loss: 0.3965
Epoch 7317/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7318/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7319/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7320/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7321/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7322/10000
1/1 0s 33ms/step -
accuracy: 0.8351 - loss: 0.3965
Epoch 7323/10000
1/1 0s 19ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7324/10000
1/1 0s 16ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7325/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7326/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7327/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7328/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7329/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7330/10000
1/1 0s 10ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7331/10000
1/1 0s 9ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7332/10000
1/1 0s 9ms/step -

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accuracy: 0.8351 - loss: 0.3964
Epoch 7333/10000
1/1          0s 9ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7334/10000
1/1          0s 10ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7335/10000
1/1          0s 10ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7336/10000
1/1          0s 10ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7337/10000
1/1          0s 11ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7338/10000
1/1          0s 35ms/step -
accuracy: 0.8351 - loss: 0.3964
Epoch 7339/10000
1/1          0s 17ms/step -
accuracy: 0.8351 - loss: 0.3963
Epoch 7340/10000
1/1          0s 10ms/step -
accuracy: 0.8351 - loss: 0.3963
Epoch 7341/10000
1/1          0s 10ms/step -
accuracy: 0.8351 - loss: 0.3963
Epoch 7342/10000
1/1          0s 10ms/step -
accuracy: 0.8351 - loss: 0.3963
Epoch 7343/10000
1/1          0s 10ms/step -
accuracy: 0.8351 - loss: 0.3963
Epoch 7344/10000
1/1          0s 9ms/step -
accuracy: 0.8351 - loss: 0.3963
Epoch 7345/10000
1/1          0s 10ms/step -
accuracy: 0.8351 - loss: 0.3963
Epoch 7346/10000
1/1          0s 10ms/step -
accuracy: 0.8352 - loss: 0.3963
Epoch 7347/10000
1/1          0s 9ms/step -
accuracy: 0.8352 - loss: 0.3963
Epoch 7348/10000
1/1          0s 10ms/step -

```


accuracy: 0.8352 - loss: 0.3963
Epoch 7349/10000
1/1 0s 10ms/step -
accuracy: 0.8352 - loss: 0.3963
Epoch 7350/10000
1/1 0s 15ms/step -
accuracy: 0.8352 - loss: 0.3963
Epoch 7351/10000
1/1 0s 14ms/step -
accuracy: 0.8353 - loss: 0.3963
Epoch 7352/10000
1/1 0s 32ms/step -
accuracy: 0.8353 - loss: 0.3963
Epoch 7353/10000
1/1 0s 30ms/step -
accuracy: 0.8353 - loss: 0.3963
Epoch 7354/10000
1/1 0s 23ms/step -
accuracy: 0.8353 - loss: 0.3963
Epoch 7355/10000
1/1 0s 15ms/step -
accuracy: 0.8353 - loss: 0.3963
Epoch 7356/10000
1/1 0s 14ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7357/10000
1/1 0s 17ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7358/10000
1/1 0s 11ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7359/10000
1/1 0s 14ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7360/10000
1/1 0s 15ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7361/10000
1/1 0s 12ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7362/10000
1/1 0s 21ms/step -
accuracy: 0.8352 - loss: 0.3962
Epoch 7363/10000
1/1 0s 28ms/step -
accuracy: 0.8352 - loss: 0.3962
Epoch 7364/10000
1/1 0s 41ms/step -

accuracy: 0.8353 - loss: 0.3962
Epoch 7365/10000
1/1 0s 32ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7366/10000
1/1 0s 13ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7367/10000
1/1 0s 12ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7368/10000
1/1 0s 18ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7369/10000
1/1 0s 15ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7370/10000
1/1 0s 12ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7371/10000
1/1 0s 30ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7372/10000
1/1 0s 11ms/step -
accuracy: 0.8353 - loss: 0.3962
Epoch 7373/10000
1/1 0s 53ms/step -
accuracy: 0.8353 - loss: 0.3961
Epoch 7374/10000
1/1 0s 21ms/step -
accuracy: 0.8353 - loss: 0.3961
Epoch 7375/10000
1/1 0s 14ms/step -
accuracy: 0.8352 - loss: 0.3961
Epoch 7376/10000
1/1 0s 30ms/step -
accuracy: 0.8352 - loss: 0.3961
Epoch 7377/10000
1/1 0s 12ms/step -
accuracy: 0.8352 - loss: 0.3961
Epoch 7378/10000
1/1 0s 26ms/step -
accuracy: 0.8352 - loss: 0.3961
Epoch 7379/10000
1/1 0s 16ms/step -
accuracy: 0.8352 - loss: 0.3961
Epoch 7380/10000
1/1 0s 12ms/step -

accuracy: 0.8352 - loss: 0.3961
Epoch 7381/10000
1/1 0s 72ms/step -
accuracy: 0.8352 - loss: 0.3961
Epoch 7382/10000
1/1 0s 18ms/step -
accuracy: 0.8354 - loss: 0.3961
Epoch 7383/10000
1/1 0s 10ms/step -
accuracy: 0.8354 - loss: 0.3961
Epoch 7384/10000
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accuracy: 0.8354 - loss: 0.3961
Epoch 7385/10000
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accuracy: 0.8354 - loss: 0.3961
Epoch 7386/10000
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accuracy: 0.8354 - loss: 0.3961
Epoch 7387/10000
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accuracy: 0.8354 - loss: 0.3961
Epoch 7388/10000
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accuracy: 0.8354 - loss: 0.3961
Epoch 7389/10000
1/1 0s 9ms/step -
accuracy: 0.8355 - loss: 0.3961
Epoch 7390/10000
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accuracy: 0.8355 - loss: 0.3960
Epoch 7391/10000
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accuracy: 0.8355 - loss: 0.3960
Epoch 7392/10000
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accuracy: 0.8355 - loss: 0.3960
Epoch 7393/10000
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accuracy: 0.8355 - loss: 0.3960
Epoch 7394/10000
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accuracy: 0.8355 - loss: 0.3960
Epoch 7395/10000
1/1 0s 10ms/step -
accuracy: 0.8355 - loss: 0.3960
Epoch 7396/10000
1/1 0s 38ms/step -

accuracy: 0.8355 - loss: 0.3960
Epoch 7397/10000
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accuracy: 0.8355 - loss: 0.3960
Epoch 7398/10000
1/1 0s 14ms/step -
accuracy: 0.8355 - loss: 0.3960
Epoch 7399/10000
1/1 0s 11ms/step -
accuracy: 0.8355 - loss: 0.3960
Epoch 7400/10000
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accuracy: 0.8355 - loss: 0.3960
Epoch 7401/10000
1/1 0s 10ms/step -
accuracy: 0.8355 - loss: 0.3960
Epoch 7402/10000
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accuracy: 0.8355 - loss: 0.3960
Epoch 7403/10000
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accuracy: 0.8356 - loss: 0.3960
Epoch 7404/10000
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accuracy: 0.8356 - loss: 0.3960
Epoch 7405/10000
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accuracy: 0.8356 - loss: 0.3960
Epoch 7406/10000
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accuracy: 0.8356 - loss: 0.3960
Epoch 7407/10000
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accuracy: 0.8356 - loss: 0.3959
Epoch 7408/10000
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accuracy: 0.8356 - loss: 0.3959
Epoch 7409/10000
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accuracy: 0.8356 - loss: 0.3959
Epoch 7410/10000
1/1 0s 10ms/step -
accuracy: 0.8355 - loss: 0.3959
Epoch 7411/10000
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accuracy: 0.8356 - loss: 0.3959
Epoch 7412/10000
1/1 0s 31ms/step -

accuracy: 0.8356 - loss: 0.3959
Epoch 7413/10000
1/1 0s 17ms/step -
accuracy: 0.8356 - loss: 0.3959
Epoch 7414/10000
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accuracy: 0.8356 - loss: 0.3959
Epoch 7415/10000
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accuracy: 0.8356 - loss: 0.3959
Epoch 7416/10000
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accuracy: 0.8356 - loss: 0.3959
Epoch 7417/10000
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accuracy: 0.8356 - loss: 0.3959
Epoch 7418/10000
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accuracy: 0.8356 - loss: 0.3959
Epoch 7419/10000
1/1 0s 10ms/step -
accuracy: 0.8357 - loss: 0.3959
Epoch 7420/10000
1/1 0s 10ms/step -
accuracy: 0.8357 - loss: 0.3959
Epoch 7421/10000
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accuracy: 0.8357 - loss: 0.3959
Epoch 7422/10000
1/1 0s 10ms/step -
accuracy: 0.8357 - loss: 0.3959
Epoch 7423/10000
1/1 0s 10ms/step -
accuracy: 0.8357 - loss: 0.3959
Epoch 7424/10000
1/1 0s 10ms/step -
accuracy: 0.8357 - loss: 0.3958
Epoch 7425/10000
1/1 0s 10ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7426/10000
1/1 0s 9ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7427/10000
1/1 0s 31ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7428/10000
1/1 0s 23ms/step -

accuracy: 0.8358 - loss: 0.3958
Epoch 7429/10000
1/1 0s 13ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7430/10000
1/1 0s 10ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7431/10000
1/1 0s 10ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7432/10000
1/1 0s 10ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7433/10000
1/1 0s 10ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7434/10000
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accuracy: 0.8358 - loss: 0.3958
Epoch 7435/10000
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accuracy: 0.8358 - loss: 0.3958
Epoch 7436/10000
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accuracy: 0.8358 - loss: 0.3958
Epoch 7437/10000
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accuracy: 0.8358 - loss: 0.3958
Epoch 7438/10000
1/1 0s 10ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7439/10000
1/1 0s 10ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7440/10000
1/1 0s 10ms/step -
accuracy: 0.8358 - loss: 0.3958
Epoch 7441/10000
1/1 0s 10ms/step -
accuracy: 0.8359 - loss: 0.3958
Epoch 7442/10000
1/1 0s 13ms/step -
accuracy: 0.8359 - loss: 0.3957
Epoch 7443/10000
1/1 0s 34ms/step -
accuracy: 0.8359 - loss: 0.3957
Epoch 7444/10000
1/1 0s 17ms/step -

accuracy: 0.8360 - loss: 0.3957
Epoch 7445/10000
1/1 0s 10ms/step -
accuracy: 0.8360 - loss: 0.3957
Epoch 7446/10000
1/1 0s 10ms/step -
accuracy: 0.8360 - loss: 0.3957
Epoch 7447/10000
1/1 0s 9ms/step -
accuracy: 0.8360 - loss: 0.3957
Epoch 7448/10000
1/1 0s 9ms/step -
accuracy: 0.8360 - loss: 0.3957
Epoch 7449/10000
1/1 0s 10ms/step -
accuracy: 0.8360 - loss: 0.3957
Epoch 7450/10000
1/1 0s 9ms/step -
accuracy: 0.8360 - loss: 0.3957
Epoch 7451/10000
1/1 0s 9ms/step -
accuracy: 0.8360 - loss: 0.3957
Epoch 7452/10000
1/1 0s 9ms/step -
accuracy: 0.8359 - loss: 0.3957
Epoch 7453/10000
1/1 0s 10ms/step -
accuracy: 0.8359 - loss: 0.3957
Epoch 7454/10000
1/1 0s 10ms/step -
accuracy: 0.8359 - loss: 0.3957
Epoch 7455/10000
1/1 0s 10ms/step -
accuracy: 0.8359 - loss: 0.3957
Epoch 7456/10000
1/1 0s 9ms/step -
accuracy: 0.8359 - loss: 0.3957
Epoch 7457/10000
1/1 0s 10ms/step -
accuracy: 0.8359 - loss: 0.3957
Epoch 7458/10000
1/1 0s 74ms/step -
accuracy: 0.8359 - loss: 0.3957
Epoch 7459/10000
1/1 0s 18ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7460/10000
1/1 0s 15ms/step -

accuracy: 0.8359 - loss: 0.3956
Epoch 7461/10000
1/1 0s 11ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7462/10000
1/1 0s 10ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7463/10000
1/1 0s 12ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7464/10000
1/1 0s 12ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7465/10000
1/1 0s 11ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7466/10000
1/1 0s 10ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7467/10000
1/1 0s 11ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7468/10000
1/1 0s 11ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7469/10000
1/1 0s 11ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7470/10000
1/1 0s 11ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7471/10000
1/1 0s 72ms/step -
accuracy: 0.8359 - loss: 0.3956
Epoch 7472/10000
1/1 0s 23ms/step -
accuracy: 0.8360 - loss: 0.3956
Epoch 7473/10000
1/1 0s 11ms/step -
accuracy: 0.8361 - loss: 0.3956
Epoch 7474/10000
1/1 0s 10ms/step -
accuracy: 0.8361 - loss: 0.3956
Epoch 7475/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3956
Epoch 7476/10000
1/1 0s 10ms/step -

accuracy: 0.8361 - loss: 0.3956
Epoch 7477/10000
1/1 0s 10ms/step -
accuracy: 0.8361 - loss: 0.3955
Epoch 7478/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3955
Epoch 7479/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3955
Epoch 7480/10000
1/1 0s 25ms/step -
accuracy: 0.8361 - loss: 0.3955
Epoch 7481/10000
1/1 0s 10ms/step -
accuracy: 0.8361 - loss: 0.3955
Epoch 7482/10000
1/1 0s 13ms/step -
accuracy: 0.8360 - loss: 0.3955
Epoch 7483/10000
1/1 0s 47ms/step -
accuracy: 0.8360 - loss: 0.3955
Epoch 7484/10000
1/1 0s 18ms/step -
accuracy: 0.8360 - loss: 0.3955
Epoch 7485/10000
1/1 0s 10ms/step -
accuracy: 0.8359 - loss: 0.3955
Epoch 7486/10000
1/1 0s 9ms/step -
accuracy: 0.8359 - loss: 0.3955
Epoch 7487/10000
1/1 0s 9ms/step -
accuracy: 0.8359 - loss: 0.3955
Epoch 7488/10000
1/1 0s 9ms/step -
accuracy: 0.8359 - loss: 0.3955
Epoch 7489/10000
1/1 0s 9ms/step -
accuracy: 0.8360 - loss: 0.3955
Epoch 7490/10000
1/1 0s 9ms/step -
accuracy: 0.8360 - loss: 0.3955
Epoch 7491/10000
1/1 0s 9ms/step -
accuracy: 0.8360 - loss: 0.3955
Epoch 7492/10000
1/1 0s 9ms/step -

accuracy: 0.8359 - loss: 0.3955
Epoch 7493/10000
1/1 0s 9ms/step -
accuracy: 0.8360 - loss: 0.3955
Epoch 7494/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7495/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7496/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7497/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7498/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7499/10000
1/1 0s 26ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7500/10000
1/1 0s 19ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7501/10000
1/1 0s 15ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7502/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7503/10000
1/1 0s 9ms/step -
accuracy: 0.8361 - loss: 0.3954
Epoch 7504/10000
1/1 0s 9ms/step -
accuracy: 0.8362 - loss: 0.3954
Epoch 7505/10000
1/1 0s 9ms/step -
accuracy: 0.8362 - loss: 0.3954
Epoch 7506/10000
1/1 0s 9ms/step -
accuracy: 0.8362 - loss: 0.3954
Epoch 7507/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3954
Epoch 7508/10000
1/1 0s 9ms/step -

accuracy: 0.8362 - loss: 0.3954
Epoch 7509/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3954
Epoch 7510/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3954
Epoch 7511/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3954
Epoch 7512/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7513/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7514/10000
1/1 0s 9ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7515/10000
1/1 0s 24ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7516/10000
1/1 0s 28ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7517/10000
1/1 0s 18ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7518/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7519/10000
1/1 0s 9ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7520/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7521/10000
1/1 0s 9ms/step -
accuracy: 0.8363 - loss: 0.3953
Epoch 7522/10000
1/1 0s 9ms/step -
accuracy: 0.8363 - loss: 0.3953
Epoch 7523/10000
1/1 0s 10ms/step -
accuracy: 0.8363 - loss: 0.3953
Epoch 7524/10000
1/1 0s 10ms/step -

accuracy: 0.8363 - loss: 0.3953
Epoch 7525/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7526/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7527/10000
1/1 0s 10ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7528/10000
1/1 0s 9ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7529/10000
1/1 0s 9ms/step -
accuracy: 0.8362 - loss: 0.3953
Epoch 7530/10000
1/1 0s 10ms/step -
accuracy: 0.8363 - loss: 0.3952
Epoch 7531/10000
1/1 0s 32ms/step -
accuracy: 0.8363 - loss: 0.3952
Epoch 7532/10000
1/1 0s 20ms/step -
accuracy: 0.8363 - loss: 0.3952
Epoch 7533/10000
1/1 0s 16ms/step -
accuracy: 0.8363 - loss: 0.3952
Epoch 7534/10000
1/1 0s 10ms/step -
accuracy: 0.8364 - loss: 0.3952
Epoch 7535/10000
1/1 0s 9ms/step -
accuracy: 0.8364 - loss: 0.3952
Epoch 7536/10000
1/1 0s 9ms/step -
accuracy: 0.8364 - loss: 0.3952
Epoch 7537/10000
1/1 0s 9ms/step -
accuracy: 0.8364 - loss: 0.3952
Epoch 7538/10000
1/1 0s 9ms/step -
accuracy: 0.8364 - loss: 0.3952
Epoch 7539/10000
1/1 0s 9ms/step -
accuracy: 0.8364 - loss: 0.3952
Epoch 7540/10000
1/1 0s 10ms/step -

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accuracy: 0.8364 - loss: 0.3952
Epoch 7541/10000
1/1          0s 10ms/step -
accuracy: 0.8364 - loss: 0.3952
Epoch 7542/10000
1/1          0s 16ms/step -
accuracy: 0.8365 - loss: 0.3952
Epoch 7543/10000
1/1          0s 13ms/step -
accuracy: 0.8366 - loss: 0.3952
Epoch 7544/10000
1/1          0s 12ms/step -
accuracy: 0.8366 - loss: 0.3952
Epoch 7545/10000
1/1          0s 11ms/step -
accuracy: 0.8366 - loss: 0.3952
Epoch 7546/10000
1/1          0s 46ms/step -
accuracy: 0.8366 - loss: 0.3952
Epoch 7547/10000
1/1          0s 31ms/step -
accuracy: 0.8366 - loss: 0.3952
Epoch 7548/10000
1/1          0s 15ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7549/10000
1/1          0s 18ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7550/10000
1/1          0s 11ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7551/10000
1/1          0s 19ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7552/10000
1/1          0s 11ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7553/10000
1/1          0s 21ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7554/10000
1/1          0s 12ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7555/10000
1/1          0s 11ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7556/10000
1/1          0s 56ms/step -

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accuracy: 0.8365 - loss: 0.3951
Epoch 7557/10000
1/1 0s 20ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7558/10000
1/1 0s 22ms/step -
accuracy: 0.8365 - loss: 0.3951
Epoch 7559/10000
1/1 0s 16ms/step -
accuracy: 0.8366 - loss: 0.3951
Epoch 7560/10000
1/1 0s 21ms/step -
accuracy: 0.8367 - loss: 0.3951
Epoch 7561/10000
1/1 0s 12ms/step -
accuracy: 0.8367 - loss: 0.3951
Epoch 7562/10000
1/1 0s 31ms/step -
accuracy: 0.8373 - loss: 0.3951
Epoch 7563/10000
1/1 0s 11ms/step -
accuracy: 0.8373 - loss: 0.3951
Epoch 7564/10000
1/1 0s 19ms/step -
accuracy: 0.8373 - loss: 0.3951
Epoch 7565/10000
1/1 0s 22ms/step -
accuracy: 0.8373 - loss: 0.3951
Epoch 7566/10000
1/1 0s 15ms/step -
accuracy: 0.8373 - loss: 0.3950
Epoch 7567/10000
1/1 0s 31ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7568/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7569/10000
1/1 0s 11ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7570/10000
1/1 0s 37ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7571/10000
1/1 0s 12ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7572/10000
1/1 0s 13ms/step -

accuracy: 0.8372 - loss: 0.3950
Epoch 7573/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7574/10000
1/1 0s 32ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7575/10000
1/1 0s 20ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7576/10000
1/1 0s 16ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7577/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7578/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7579/10000
1/1 0s 9ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7580/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7581/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7582/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7583/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7584/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3950
Epoch 7585/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7586/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7587/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7588/10000
1/1 0s 10ms/step -

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accuracy: 0.8372 - loss: 0.3949
Epoch 7589/10000
1/1          0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7590/10000
1/1          0s 29ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7591/10000
1/1          0s 24ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7592/10000
1/1          0s 12ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7593/10000
1/1          0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7594/10000
1/1          0s 9ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7595/10000
1/1          0s 9ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7596/10000
1/1          0s 9ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7597/10000
1/1          0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7598/10000
1/1          0s 9ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7599/10000
1/1          0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7600/10000
1/1          0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7601/10000
1/1          0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7602/10000
1/1          0s 10ms/step -
accuracy: 0.8372 - loss: 0.3949
Epoch 7603/10000
1/1          0s 10ms/step -
accuracy: 0.8372 - loss: 0.3948
Epoch 7604/10000
1/1          0s 9ms/step -

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accuracy: 0.8372 - loss: 0.3948
Epoch 7605/10000
1/1 0s 9ms/step -
accuracy: 0.8372 - loss: 0.3948
Epoch 7606/10000
1/1 0s 28ms/step -
accuracy: 0.8372 - loss: 0.3948
Epoch 7607/10000
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Epoch 7608/10000
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accuracy: 0.8372 - loss: 0.3948
Epoch 7609/10000
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accuracy: 0.8372 - loss: 0.3948
Epoch 7610/10000
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Epoch 7611/10000
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Epoch 7612/10000
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Epoch 7613/10000
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Epoch 7614/10000
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Epoch 7615/10000
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Epoch 7616/10000
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Epoch 7617/10000
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Epoch 7618/10000
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Epoch 7619/10000
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Epoch 7620/10000
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accuracy: 0.8372 - loss: 0.3948
Epoch 7621/10000
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Epoch 7622/10000
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Epoch 7623/10000
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Epoch 7624/10000
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Epoch 7625/10000
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Epoch 7626/10000
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Epoch 7627/10000
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Epoch 7628/10000
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Epoch 7629/10000
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Epoch 7630/10000
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Epoch 7631/10000
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Epoch 7632/10000
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Epoch 7633/10000
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Epoch 7634/10000
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Epoch 7635/10000
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Epoch 7636/10000
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accuracy: 0.8370 - loss: 0.3947
Epoch 7637/10000
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accuracy: 0.8370 - loss: 0.3947
Epoch 7638/10000
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accuracy: 0.8370 - loss: 0.3947
Epoch 7639/10000
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accuracy: 0.8370 - loss: 0.3947
Epoch 7640/10000
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accuracy: 0.8370 - loss: 0.3947
Epoch 7641/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7642/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7643/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7644/10000
1/1 0s 37ms/step -
accuracy: 0.8370 - loss: 0.3946
Epoch 7645/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7646/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7647/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7648/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7649/10000
1/1 0s 47ms/step -
accuracy: 0.8370 - loss: 0.3946
Epoch 7650/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7651/10000
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Epoch 7652/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7653/10000
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accuracy: 0.8370 - loss: 0.3946
Epoch 7654/10000
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accuracy: 0.8369 - loss: 0.3946
Epoch 7655/10000
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accuracy: 0.8369 - loss: 0.3946
Epoch 7656/10000
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accuracy: 0.8369 - loss: 0.3946
Epoch 7657/10000
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accuracy: 0.8369 - loss: 0.3946
Epoch 7658/10000
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accuracy: 0.8369 - loss: 0.3946
Epoch 7659/10000
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accuracy: 0.8369 - loss: 0.3945
Epoch 7660/10000
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accuracy: 0.8369 - loss: 0.3945
Epoch 7661/10000
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Epoch 7662/10000
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Epoch 7663/10000
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Epoch 7664/10000
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Epoch 7665/10000
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Epoch 7666/10000
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Epoch 7667/10000
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Epoch 7668/10000
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accuracy: 0.8369 - loss: 0.3945
Epoch 7669/10000
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Epoch 7670/10000
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Epoch 7671/10000
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Epoch 7672/10000
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Epoch 7673/10000
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Epoch 7674/10000
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accuracy: 0.8370 - loss: 0.3945
Epoch 7675/10000
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accuracy: 0.8370 - loss: 0.3945
Epoch 7676/10000
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accuracy: 0.8370 - loss: 0.3945
Epoch 7677/10000
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accuracy: 0.8370 - loss: 0.3945
Epoch 7678/10000
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accuracy: 0.8370 - loss: 0.3944
Epoch 7679/10000
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accuracy: 0.8370 - loss: 0.3944
Epoch 7680/10000
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accuracy: 0.8370 - loss: 0.3944
Epoch 7681/10000
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Epoch 7682/10000
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Epoch 7683/10000
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Epoch 7684/10000
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accuracy: 0.8370 - loss: 0.3944
Epoch 7685/10000
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Epoch 7686/10000
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Epoch 7687/10000
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Epoch 7688/10000
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Epoch 7689/10000
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Epoch 7690/10000
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Epoch 7691/10000
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accuracy: 0.8370 - loss: 0.3944
Epoch 7692/10000
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accuracy: 0.8371 - loss: 0.3944
Epoch 7693/10000
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Epoch 7694/10000
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Epoch 7695/10000
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Epoch 7696/10000
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Epoch 7697/10000
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Epoch 7698/10000
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accuracy: 0.8371 - loss: 0.3943
Epoch 7699/10000
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accuracy: 0.8372 - loss: 0.3943
Epoch 7700/10000
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accuracy: 0.8372 - loss: 0.3943
Epoch 7701/10000
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accuracy: 0.8372 - loss: 0.3943
Epoch 7702/10000
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Epoch 7703/10000
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Epoch 7704/10000
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Epoch 7705/10000
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Epoch 7706/10000
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accuracy: 0.8372 - loss: 0.3943
Epoch 7707/10000
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Epoch 7708/10000
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accuracy: 0.8372 - loss: 0.3943
Epoch 7709/10000
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Epoch 7710/10000
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Epoch 7711/10000
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Epoch 7712/10000
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Epoch 7713/10000
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Epoch 7714/10000
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Epoch 7715/10000
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Epoch 7716/10000
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accuracy: 0.8371 - loss: 0.3943
Epoch 7717/10000
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Epoch 7718/10000
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Epoch 7719/10000
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Epoch 7720/10000
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Epoch 7721/10000
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Epoch 7722/10000
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Epoch 7723/10000
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Epoch 7724/10000
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accuracy: 0.8371 - loss: 0.3942
Epoch 7725/10000
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Epoch 7726/10000
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Epoch 7727/10000
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accuracy: 0.8371 - loss: 0.3942
Epoch 7728/10000
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accuracy: 0.8370 - loss: 0.3942
Epoch 7729/10000
1/1 0s 9ms/step -
accuracy: 0.8370 - loss: 0.3942
Epoch 7730/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3942
Epoch 7731/10000
1/1 0s 9ms/step -
accuracy: 0.8370 - loss: 0.3942
Epoch 7732/10000
1/1 0s 10ms/step -

accuracy: 0.8370 - loss: 0.3942
Epoch 7733/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3942
Epoch 7734/10000
1/1 0s 9ms/step -
accuracy: 0.8370 - loss: 0.3942
Epoch 7735/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3942
Epoch 7736/10000
1/1 0s 9ms/step -
accuracy: 0.8370 - loss: 0.3941
Epoch 7737/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3941
Epoch 7738/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3941
Epoch 7739/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3941
Epoch 7740/10000
1/1 0s 32ms/step -
accuracy: 0.8370 - loss: 0.3941
Epoch 7741/10000
1/1 0s 18ms/step -
accuracy: 0.8370 - loss: 0.3941
Epoch 7742/10000
1/1 0s 16ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7743/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7744/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7745/10000
1/1 0s 9ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7746/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7747/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7748/10000
1/1 0s 10ms/step -

accuracy: 0.8369 - loss: 0.3941
Epoch 7749/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7750/10000
1/1 0s 9ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7751/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7752/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7753/10000
1/1 0s 9ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7754/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7755/10000
1/1 0s 9ms/step -
accuracy: 0.8369 - loss: 0.3941
Epoch 7756/10000
1/1 0s 16ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7757/10000
1/1 0s 37ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7758/10000
1/1 0s 16ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7759/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7760/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7761/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7762/10000
1/1 0s 9ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7763/10000
1/1 0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7764/10000
1/1 0s 11ms/step -

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accuracy: 0.8369 - loss: 0.3940
Epoch 7765/10000
1/1          0s 11ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7766/10000
1/1          0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7767/10000
1/1          0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7768/10000
1/1          0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7769/10000
1/1          0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7770/10000
1/1          0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7771/10000
1/1          0s 10ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7772/10000
1/1          0s 33ms/step -
accuracy: 0.8369 - loss: 0.3940
Epoch 7773/10000
1/1          0s 21ms/step -
accuracy: 0.8370 - loss: 0.3940
Epoch 7774/10000
1/1          0s 13ms/step -
accuracy: 0.8370 - loss: 0.3940
Epoch 7775/10000
1/1          0s 10ms/step -
accuracy: 0.8370 - loss: 0.3940
Epoch 7776/10000
1/1          0s 9ms/step -
accuracy: 0.8370 - loss: 0.3939
Epoch 7777/10000
1/1          0s 10ms/step -
accuracy: 0.8370 - loss: 0.3939
Epoch 7778/10000
1/1          0s 10ms/step -
accuracy: 0.8370 - loss: 0.3939
Epoch 7779/10000
1/1          0s 9ms/step -
accuracy: 0.8370 - loss: 0.3939
Epoch 7780/10000
1/1          0s 9ms/step -

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accuracy: 0.8370 - loss: 0.3939
Epoch 7781/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3939
Epoch 7782/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3939
Epoch 7783/10000
1/1 0s 9ms/step -
accuracy: 0.8370 - loss: 0.3939
Epoch 7784/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3939
Epoch 7785/10000
1/1 0s 10ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7786/10000
1/1 0s 9ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7787/10000
1/1 0s 9ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7788/10000
1/1 0s 33ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7789/10000
1/1 0s 21ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7790/10000
1/1 0s 15ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7791/10000
1/1 0s 10ms/step -
accuracy: 0.8370 - loss: 0.3939
Epoch 7792/10000
1/1 0s 10ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7793/10000
1/1 0s 10ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7794/10000
1/1 0s 10ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7795/10000
1/1 0s 10ms/step -
accuracy: 0.8371 - loss: 0.3939
Epoch 7796/10000
1/1 0s 10ms/step -

accuracy: 0.8371 - loss: 0.3938
Epoch 7797/10000
1/1 0s 11ms/step -
accuracy: 0.8371 - loss: 0.3938
Epoch 7798/10000
1/1 0s 11ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7799/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7800/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7801/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7802/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7803/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7804/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7805/10000
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accuracy: 0.8372 - loss: 0.3938
Epoch 7806/10000
1/1 0s 16ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7807/10000
1/1 0s 36ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7808/10000
1/1 0s 17ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7809/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7810/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7811/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3938
Epoch 7812/10000
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accuracy: 0.8372 - loss: 0.3938
Epoch 7813/10000
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accuracy: 0.8372 - loss: 0.3938
Epoch 7814/10000
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accuracy: 0.8372 - loss: 0.3938
Epoch 7815/10000
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accuracy: 0.8372 - loss: 0.3938
Epoch 7816/10000
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accuracy: 0.8372 - loss: 0.3937
Epoch 7817/10000
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accuracy: 0.8372 - loss: 0.3937
Epoch 7818/10000
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accuracy: 0.8372 - loss: 0.3937
Epoch 7819/10000
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accuracy: 0.8372 - loss: 0.3937
Epoch 7820/10000
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accuracy: 0.8372 - loss: 0.3937
Epoch 7821/10000
1/1 0s 10ms/step -
accuracy: 0.8372 - loss: 0.3937
Epoch 7822/10000
1/1 0s 25ms/step -
accuracy: 0.8372 - loss: 0.3937
Epoch 7823/10000
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accuracy: 0.8372 - loss: 0.3937
Epoch 7824/10000
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accuracy: 0.8372 - loss: 0.3937
Epoch 7825/10000
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accuracy: 0.8372 - loss: 0.3937
Epoch 7826/10000
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accuracy: 0.8373 - loss: 0.3937
Epoch 7827/10000
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Epoch 7828/10000
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accuracy: 0.8373 - loss: 0.3937
Epoch 7829/10000
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Epoch 7830/10000
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Epoch 7831/10000
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Epoch 7832/10000
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Epoch 7833/10000
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Epoch 7834/10000
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Epoch 7835/10000
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Epoch 7836/10000
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Epoch 7837/10000
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accuracy: 0.8372 - loss: 0.3936
Epoch 7838/10000
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Epoch 7839/10000
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Epoch 7840/10000
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Epoch 7841/10000
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accuracy: 0.8372 - loss: 0.3936
Epoch 7842/10000
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Epoch 7843/10000
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Epoch 7844/10000
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accuracy: 0.8374 - loss: 0.3936
Epoch 7845/10000
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accuracy: 0.8374 - loss: 0.3936
Epoch 7846/10000
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accuracy: 0.8373 - loss: 0.3936
Epoch 7847/10000
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Epoch 7848/10000
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Epoch 7849/10000
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Epoch 7850/10000
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Epoch 7851/10000
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accuracy: 0.8374 - loss: 0.3936
Epoch 7852/10000
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accuracy: 0.8374 - loss: 0.3936
Epoch 7853/10000
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Epoch 7854/10000
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accuracy: 0.8374 - loss: 0.3936
Epoch 7855/10000
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Epoch 7856/10000
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Epoch 7857/10000
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Epoch 7858/10000
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Epoch 7859/10000
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Epoch 7860/10000
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accuracy: 0.8375 - loss: 0.3935
Epoch 7861/10000
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Epoch 7862/10000
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Epoch 7863/10000
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Epoch 7864/10000
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Epoch 7865/10000
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Epoch 7866/10000
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Epoch 7867/10000
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Epoch 7868/10000
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Epoch 7869/10000
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Epoch 7870/10000
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Epoch 7871/10000
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Epoch 7872/10000
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Epoch 7873/10000
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Epoch 7874/10000
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Epoch 7875/10000
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Epoch 7876/10000
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accuracy: 0.8375 - loss: 0.3935
Epoch 7877/10000
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Epoch 7878/10000
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Epoch 7879/10000
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Epoch 7880/10000
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Epoch 7881/10000
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Epoch 7882/10000
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Epoch 7883/10000
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Epoch 7884/10000
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Epoch 7885/10000
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Epoch 7886/10000
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Epoch 7887/10000
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Epoch 7888/10000
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Epoch 7889/10000
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Epoch 7890/10000
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Epoch 7891/10000
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Epoch 7892/10000
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Epoch 7893/10000
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Epoch 7894/10000
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Epoch 7895/10000
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Epoch 7896/10000
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Epoch 7897/10000
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Epoch 7898/10000
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Epoch 7899/10000
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Epoch 7900/10000
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Epoch 7901/10000
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accuracy: 0.8375 - loss: 0.3933
Epoch 7902/10000
1/1 0s 28ms/step -
accuracy: 0.8375 - loss: 0.3933
Epoch 7903/10000
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accuracy: 0.8375 - loss: 0.3933
Epoch 7904/10000
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accuracy: 0.8375 - loss: 0.3933
Epoch 7905/10000
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accuracy: 0.8375 - loss: 0.3933
Epoch 7906/10000
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Epoch 7907/10000
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Epoch 7908/10000
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accuracy: 0.8375 - loss: 0.3933
Epoch 7909/10000
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Epoch 7910/10000
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accuracy: 0.8373 - loss: 0.3933
Epoch 7911/10000
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Epoch 7912/10000
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Epoch 7913/10000
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Epoch 7914/10000
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Epoch 7915/10000
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Epoch 7916/10000
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Epoch 7917/10000
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accuracy: 0.8373 - loss: 0.3933
Epoch 7918/10000
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accuracy: 0.8373 - loss: 0.3933
Epoch 7919/10000
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accuracy: 0.8373 - loss: 0.3932
Epoch 7920/10000
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accuracy: 0.8373 - loss: 0.3932
Epoch 7921/10000
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accuracy: 0.8373 - loss: 0.3932
Epoch 7922/10000
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Epoch 7923/10000
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accuracy: 0.8373 - loss: 0.3932
Epoch 7924/10000
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accuracy: 0.8373 - loss: 0.3932
Epoch 7925/10000
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accuracy: 0.8373 - loss: 0.3932
Epoch 7926/10000
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accuracy: 0.8373 - loss: 0.3932
Epoch 7927/10000
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accuracy: 0.8374 - loss: 0.3932
Epoch 7928/10000
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accuracy: 0.8374 - loss: 0.3932
Epoch 7929/10000
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accuracy: 0.8374 - loss: 0.3932
Epoch 7930/10000
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accuracy: 0.8374 - loss: 0.3932
Epoch 7931/10000
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accuracy: 0.8374 - loss: 0.3932
Epoch 7932/10000
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accuracy: 0.8374 - loss: 0.3932
Epoch 7933/10000
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accuracy: 0.8377 - loss: 0.3932
Epoch 7934/10000
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accuracy: 0.8377 - loss: 0.3932
Epoch 7935/10000
1/1 0s 30ms/step -
accuracy: 0.8377 - loss: 0.3932
Epoch 7936/10000
1/1 0s 15ms/step -
accuracy: 0.8377 - loss: 0.3932
Epoch 7937/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3932
Epoch 7938/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3932
Epoch 7939/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3932
Epoch 7940/10000
1/1 0s 9ms/step -

accuracy: 0.8377 - loss: 0.3931
Epoch 7941/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3931
Epoch 7942/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3931
Epoch 7943/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3931
Epoch 7944/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3931
Epoch 7945/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3931
Epoch 7946/10000
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accuracy: 0.8376 - loss: 0.3931
Epoch 7947/10000
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accuracy: 0.8376 - loss: 0.3931
Epoch 7948/10000
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accuracy: 0.8376 - loss: 0.3931
Epoch 7949/10000
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accuracy: 0.8375 - loss: 0.3931
Epoch 7950/10000
1/1 0s 9ms/step -
accuracy: 0.8375 - loss: 0.3931
Epoch 7951/10000
1/1 0s 31ms/step -
accuracy: 0.8375 - loss: 0.3931
Epoch 7952/10000
1/1 0s 20ms/step -
accuracy: 0.8375 - loss: 0.3931
Epoch 7953/10000
1/1 0s 16ms/step -
accuracy: 0.8375 - loss: 0.3931
Epoch 7954/10000
1/1 0s 10ms/step -
accuracy: 0.8374 - loss: 0.3931
Epoch 7955/10000
1/1 0s 10ms/step -
accuracy: 0.8374 - loss: 0.3931
Epoch 7956/10000
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accuracy: 0.8374 - loss: 0.3931
Epoch 7957/10000
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Epoch 7958/10000
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accuracy: 0.8374 - loss: 0.3931
Epoch 7959/10000
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accuracy: 0.8374 - loss: 0.3931
Epoch 7960/10000
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accuracy: 0.8374 - loss: 0.3931
Epoch 7961/10000
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accuracy: 0.8373 - loss: 0.3931
Epoch 7962/10000
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accuracy: 0.8373 - loss: 0.3930
Epoch 7963/10000
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Epoch 7964/10000
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Epoch 7965/10000
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Epoch 7966/10000
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Epoch 7967/10000
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Epoch 7968/10000
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Epoch 7969/10000
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Epoch 7970/10000
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Epoch 7971/10000
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Epoch 7978/10000
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Epoch 7980/10000
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Epoch 7981/10000
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Epoch 7996/10000
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Epoch 7997/10000
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Epoch 7998/10000
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Epoch 7999/10000
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accuracy: 0.8376 - loss: 0.3929
Epoch 8000/10000
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Epoch 8001/10000
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Epoch 8002/10000
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Epoch 8003/10000
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Epoch 8011/10000
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Epoch 8012/10000
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Epoch 8013/10000
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Epoch 8015/10000
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Epoch 8020/10000
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Epoch 8021/10000
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Epoch 8026/10000
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Epoch 8027/10000
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Epoch 8028/10000
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Epoch 8031/10000
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Epoch 8032/10000
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Epoch 8037/10000
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Epoch 8038/10000
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Epoch 8039/10000
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Epoch 8040/10000
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Epoch 8041/10000
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Epoch 8042/10000
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Epoch 8043/10000
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Epoch 8044/10000
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Epoch 8045/10000
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Epoch 8046/10000
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Epoch 8047/10000
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Epoch 8049/10000
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Epoch 8050/10000
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Epoch 8051/10000
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Epoch 8052/10000
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Epoch 8060/10000
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Epoch 8119/10000
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Epoch 8120/10000
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Epoch 8121/10000
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Epoch 8163/10000
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accuracy: 0.8378 - loss: 0.3921
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Epoch 8180/10000
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accuracy: 0.8378 - loss: 0.3921
Epoch 8181/10000
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Epoch 8182/10000
1/1 0s 33ms/step -
accuracy: 0.8378 - loss: 0.3921
Epoch 8183/10000
1/1 0s 17ms/step -
accuracy: 0.8378 - loss: 0.3921
Epoch 8184/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3921
Epoch 8185/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3921
Epoch 8186/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3921
Epoch 8187/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3921
Epoch 8188/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8189/10000
1/1 0s 9ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8190/10000
1/1 0s 9ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8191/10000
1/1 0s 9ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8192/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8193/10000
1/1 0s 9ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8194/10000
1/1 0s 9ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8195/10000
1/1 0s 9ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8196/10000
1/1 0s 10ms/step -

accuracy: 0.8378 - loss: 0.3920
Epoch 8197/10000
1/1 0s 17ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8198/10000
1/1 0s 37ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8199/10000
1/1 0s 20ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8200/10000
1/1 0s 17ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8201/10000
1/1 0s 12ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8202/10000
1/1 0s 13ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8203/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8204/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8205/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8206/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8207/10000
1/1 0s 12ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8208/10000
1/1 0s 11ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8209/10000
1/1 0s 11ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8210/10000
1/1 0s 11ms/step -
accuracy: 0.8378 - loss: 0.3920
Epoch 8211/10000
1/1 0s 35ms/step -
accuracy: 0.8379 - loss: 0.3920
Epoch 8212/10000
1/1 0s 26ms/step -

accuracy: 0.8379 - loss: 0.3919
Epoch 8213/10000
1/1 0s 16ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8214/10000
1/1 0s 11ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8215/10000
1/1 0s 11ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8216/10000
1/1 0s 11ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8217/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8218/10000
1/1 0s 9ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8219/10000
1/1 0s 9ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8220/10000
1/1 0s 9ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8221/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8222/10000
1/1 0s 13ms/step -
accuracy: 0.8379 - loss: 0.3919
Epoch 8223/10000
1/1 0s 13ms/step -
accuracy: 0.8378 - loss: 0.3919
Epoch 8224/10000
1/1 0s 43ms/step -
accuracy: 0.8378 - loss: 0.3919
Epoch 8225/10000
1/1 0s 14ms/step -
accuracy: 0.8378 - loss: 0.3919
Epoch 8226/10000
1/1 0s 11ms/step -
accuracy: 0.8378 - loss: 0.3919
Epoch 8227/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3919
Epoch 8228/10000
1/1 0s 10ms/step -

accuracy: 0.8378 - loss: 0.3919
Epoch 8229/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3919
Epoch 8230/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3919
Epoch 8231/10000
1/1 0s 10ms/step -
accuracy: 0.8378 - loss: 0.3919
Epoch 8232/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3919
Epoch 8233/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3919
Epoch 8234/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3919
Epoch 8235/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3919
Epoch 8236/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8237/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8238/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8239/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8240/10000
1/1 0s 30ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8241/10000
1/1 0s 23ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8242/10000
1/1 0s 14ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8243/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8244/10000
1/1 0s 10ms/step -

accuracy: 0.8376 - loss: 0.3918
Epoch 8245/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8246/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8247/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8248/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8249/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8250/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8251/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3918
Epoch 8252/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3918
Epoch 8253/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3918
Epoch 8254/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3918
Epoch 8255/10000
1/1 0s 16ms/step -
accuracy: 0.8377 - loss: 0.3918
Epoch 8256/10000
1/1 0s 33ms/step -
accuracy: 0.8377 - loss: 0.3918
Epoch 8257/10000
1/1 0s 13ms/step -
accuracy: 0.8377 - loss: 0.3918
Epoch 8258/10000
1/1 0s 16ms/step -
accuracy: 0.8377 - loss: 0.3918
Epoch 8259/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3918
Epoch 8260/10000
1/1 0s 9ms/step -

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accuracy: 0.8377 - loss: 0.3917
Epoch 8261/10000
1/1          0s 10ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8262/10000
1/1          0s 10ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8263/10000
1/1          0s 9ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8264/10000
1/1          0s 10ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8265/10000
1/1          0s 10ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8266/10000
1/1          0s 9ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8267/10000
1/1          0s 9ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8268/10000
1/1          0s 9ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8269/10000
1/1          0s 10ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8270/10000
1/1          0s 9ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8271/10000
1/1          0s 20ms/step -
accuracy: 0.8377 - loss: 0.3917
Epoch 8272/10000
1/1          0s 26ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8273/10000
1/1          0s 15ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8274/10000
1/1          0s 10ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8275/10000
1/1          0s 9ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8276/10000
1/1          0s 9ms/step -

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accuracy: 0.8375 - loss: 0.3917
Epoch 8277/10000
1/1          0s 9ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8278/10000
1/1          0s 10ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8279/10000
1/1          0s 9ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8280/10000
1/1          0s 9ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8281/10000
1/1          0s 9ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8282/10000
1/1          0s 9ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8283/10000
1/1          0s 9ms/step -
accuracy: 0.8375 - loss: 0.3917
Epoch 8284/10000
1/1          0s 9ms/step -
accuracy: 0.8376 - loss: 0.3917
Epoch 8285/10000
1/1          0s 9ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8286/10000
1/1          0s 9ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8287/10000
1/1          0s 18ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8288/10000
1/1          0s 28ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8289/10000
1/1          0s 16ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8290/10000
1/1          0s 10ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8291/10000
1/1          0s 9ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8292/10000
1/1          0s 9ms/step -

```

accuracy: 0.8376 - loss: 0.3916
Epoch 8293/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8294/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8295/10000
1/1 0s 11ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8296/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8297/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8298/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8299/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8300/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8301/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8302/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8303/10000
1/1 0s 31ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8304/10000
1/1 0s 22ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8305/10000
1/1 0s 15ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8306/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8307/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3916
Epoch 8308/10000
1/1 0s 10ms/step -

accuracy: 0.8376 - loss: 0.3916
Epoch 8309/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3916
Epoch 8310/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8311/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8312/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8313/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8314/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8315/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8316/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3915
Epoch 8317/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3915
Epoch 8318/10000
1/1 0s 31ms/step -
accuracy: 0.8375 - loss: 0.3915
Epoch 8319/10000
1/1 0s 22ms/step -
accuracy: 0.8375 - loss: 0.3915
Epoch 8320/10000
1/1 0s 16ms/step -
accuracy: 0.8375 - loss: 0.3915
Epoch 8321/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3915
Epoch 8322/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3915
Epoch 8323/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3915
Epoch 8324/10000
1/1 0s 10ms/step -

accuracy: 0.8376 - loss: 0.3915
Epoch 8325/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8326/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3915
Epoch 8327/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3915
Epoch 8328/10000
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accuracy: 0.8377 - loss: 0.3915
Epoch 8329/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3915
Epoch 8330/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3915
Epoch 8331/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3915
Epoch 8332/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3915
Epoch 8333/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8334/10000
1/1 0s 31ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8335/10000
1/1 0s 17ms/step -
accuracy: 0.8376 - loss: 0.3915
Epoch 8336/10000
1/1 0s 11ms/step -
accuracy: 0.8376 - loss: 0.3914
Epoch 8337/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8338/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8339/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8340/10000
1/1 0s 10ms/step -

accuracy: 0.8375 - loss: 0.3914
Epoch 8341/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8342/10000
1/1 0s 9ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8343/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8344/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8345/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8346/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8347/10000
1/1 0s 9ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8348/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8349/10000
1/1 0s 54ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8350/10000
1/1 0s 19ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8351/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8352/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8353/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8354/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8355/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8356/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8357/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8358/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8359/10000
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accuracy: 0.8375 - loss: 0.3914
Epoch 8360/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3914
Epoch 8361/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3913
Epoch 8362/10000
1/1 0s 10ms/step -
accuracy: 0.8375 - loss: 0.3913
Epoch 8363/10000
1/1 0s 30ms/step -
accuracy: 0.8375 - loss: 0.3913
Epoch 8364/10000
1/1 0s 23ms/step -
accuracy: 0.8375 - loss: 0.3913
Epoch 8365/10000
1/1 0s 16ms/step -
accuracy: 0.8375 - loss: 0.3913
Epoch 8366/10000
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accuracy: 0.8375 - loss: 0.3913
Epoch 8367/10000
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accuracy: 0.8375 - loss: 0.3913
Epoch 8368/10000
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accuracy: 0.8375 - loss: 0.3913
Epoch 8369/10000
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accuracy: 0.8375 - loss: 0.3913
Epoch 8370/10000
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accuracy: 0.8375 - loss: 0.3913
Epoch 8371/10000
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accuracy: 0.8375 - loss: 0.3913
Epoch 8372/10000
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accuracy: 0.8375 - loss: 0.3913
Epoch 8373/10000
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accuracy: 0.8376 - loss: 0.3913
Epoch 8374/10000
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accuracy: 0.8376 - loss: 0.3913
Epoch 8375/10000
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accuracy: 0.8376 - loss: 0.3913
Epoch 8376/10000
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Epoch 8377/10000
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accuracy: 0.8376 - loss: 0.3913
Epoch 8378/10000
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accuracy: 0.8376 - loss: 0.3913
Epoch 8379/10000
1/1 0s 14ms/step -
accuracy: 0.8376 - loss: 0.3913
Epoch 8380/10000
1/1 0s 35ms/step -
accuracy: 0.8376 - loss: 0.3913
Epoch 8381/10000
1/1 0s 15ms/step -
accuracy: 0.8376 - loss: 0.3913
Epoch 8382/10000
1/1 0s 11ms/step -
accuracy: 0.8376 - loss: 0.3913
Epoch 8383/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3913
Epoch 8384/10000
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accuracy: 0.8376 - loss: 0.3913
Epoch 8385/10000
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accuracy: 0.8376 - loss: 0.3913
Epoch 8386/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3913
Epoch 8387/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8388/10000
1/1 0s 9ms/step -

accuracy: 0.8376 - loss: 0.3912
Epoch 8389/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8390/10000
1/1 0s 10ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8391/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8392/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8393/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8394/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8395/10000
1/1 0s 11ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8396/10000
1/1 0s 31ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8397/10000
1/1 0s 15ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8398/10000
1/1 0s 11ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8399/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8400/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8401/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8402/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8403/10000
1/1 0s 9ms/step -
accuracy: 0.8376 - loss: 0.3912
Epoch 8404/10000
1/1 0s 9ms/step -

accuracy: 0.8377 - loss: 0.3912
Epoch 8405/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3912
Epoch 8406/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3912
Epoch 8407/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3912
Epoch 8408/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3912
Epoch 8409/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3912
Epoch 8410/10000
1/1 0s 9ms/step -
accuracy: 0.8377 - loss: 0.3912
Epoch 8411/10000
1/1 0s 10ms/step -
accuracy: 0.8377 - loss: 0.3912
Epoch 8412/10000
1/1 0s 15ms/step -
accuracy: 0.8378 - loss: 0.3912
Epoch 8413/10000
1/1 0s 32ms/step -
accuracy: 0.8378 - loss: 0.3911
Epoch 8414/10000
1/1 0s 15ms/step -
accuracy: 0.8378 - loss: 0.3911
Epoch 8415/10000
1/1 0s 15ms/step -
accuracy: 0.8378 - loss: 0.3911
Epoch 8416/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8417/10000
1/1 0s 11ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8418/10000
1/1 0s 11ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8419/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8420/10000
1/1 0s 10ms/step -

accuracy: 0.8379 - loss: 0.3911
Epoch 8421/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8422/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8423/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8424/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8425/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8426/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8427/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8428/10000
1/1 0s 32ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8429/10000
1/1 0s 20ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8430/10000
1/1 0s 17ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8431/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8432/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8433/10000
1/1 0s 9ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8434/10000
1/1 0s 9ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8435/10000
1/1 0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8436/10000
1/1 0s 10ms/step -

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accuracy: 0.8379 - loss: 0.3911
Epoch 8437/10000
1/1          0s 10ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8438/10000
1/1          0s 13ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8439/10000
1/1          0s 14ms/step -
accuracy: 0.8379 - loss: 0.3911
Epoch 8440/10000
1/1          0s 14ms/step -
accuracy: 0.8379 - loss: 0.3910
Epoch 8441/10000
1/1          0s 17ms/step -
accuracy: 0.8379 - loss: 0.3910
Epoch 8442/10000
1/1          0s 30ms/step -
accuracy: 0.8379 - loss: 0.3910
Epoch 8443/10000
1/1          0s 14ms/step -
accuracy: 0.8380 - loss: 0.3910
Epoch 8444/10000
1/1          0s 14ms/step -
accuracy: 0.8380 - loss: 0.3910
Epoch 8445/10000
1/1          0s 10ms/step -
accuracy: 0.8380 - loss: 0.3910
Epoch 8446/10000
1/1          0s 10ms/step -
accuracy: 0.8381 - loss: 0.3910
Epoch 8447/10000
1/1          0s 10ms/step -
accuracy: 0.8382 - loss: 0.3910
Epoch 8448/10000
1/1          0s 9ms/step -
accuracy: 0.8382 - loss: 0.3910
Epoch 8449/10000
1/1          0s 9ms/step -
accuracy: 0.8382 - loss: 0.3910
Epoch 8450/10000
1/1          0s 9ms/step -
accuracy: 0.8382 - loss: 0.3910
Epoch 8451/10000
1/1          0s 9ms/step -
accuracy: 0.8382 - loss: 0.3910
Epoch 8452/10000
1/1          0s 9ms/step -

```

accuracy: 0.8382 - loss: 0.3910
Epoch 8453/10000
1/1 0s 9ms/step -
accuracy: 0.8382 - loss: 0.3910
Epoch 8454/10000
1/1 0s 10ms/step -
accuracy: 0.8382 - loss: 0.3910
Epoch 8455/10000
1/1 0s 9ms/step -
accuracy: 0.8382 - loss: 0.3910
Epoch 8456/10000
1/1 0s 10ms/step -
accuracy: 0.8382 - loss: 0.3910
Epoch 8457/10000
1/1 0s 13ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8458/10000
1/1 0s 32ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8459/10000
1/1 0s 18ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8460/10000
1/1 0s 16ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8461/10000
1/1 0s 9ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8462/10000
1/1 0s 10ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8463/10000
1/1 0s 10ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8464/10000
1/1 0s 10ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8465/10000
1/1 0s 10ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8466/10000
1/1 0s 9ms/step -
accuracy: 0.8383 - loss: 0.3910
Epoch 8467/10000
1/1 0s 9ms/step -
accuracy: 0.8385 - loss: 0.3909
Epoch 8468/10000
1/1 0s 10ms/step -

accuracy: 0.8385 - loss: 0.3909
Epoch 8469/10000
1/1 0s 10ms/step -
accuracy: 0.8385 - loss: 0.3909
Epoch 8470/10000
1/1 0s 10ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8471/10000
1/1 0s 10ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8472/10000
1/1 0s 9ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8473/10000
1/1 0s 15ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8474/10000
1/1 0s 31ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8475/10000
1/1 0s 16ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8476/10000
1/1 0s 12ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8477/10000
1/1 0s 9ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8478/10000
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accuracy: 0.8384 - loss: 0.3909
Epoch 8479/10000
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accuracy: 0.8384 - loss: 0.3909
Epoch 8480/10000
1/1 0s 9ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8481/10000
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accuracy: 0.8384 - loss: 0.3909
Epoch 8482/10000
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accuracy: 0.8384 - loss: 0.3909
Epoch 8483/10000
1/1 0s 9ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8484/10000
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accuracy: 0.8384 - loss: 0.3909
Epoch 8485/10000
1/1 0s 11ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8486/10000
1/1 0s 16ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8487/10000
1/1 0s 14ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8488/10000
1/1 0s 28ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8489/10000
1/1 0s 26ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8490/10000
1/1 0s 16ms/step -
accuracy: 0.8384 - loss: 0.3909
Epoch 8491/10000
1/1 0s 10ms/step -
accuracy: 0.8385 - loss: 0.3909
Epoch 8492/10000
1/1 0s 9ms/step -
accuracy: 0.8385 - loss: 0.3909
Epoch 8493/10000
1/1 0s 10ms/step -
accuracy: 0.8386 - loss: 0.3909
Epoch 8494/10000
1/1 0s 10ms/step -
accuracy: 0.8386 - loss: 0.3908
Epoch 8495/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8496/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8497/10000
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Epoch 8498/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8499/10000
1/1 0s 9ms/step -
accuracy: 0.8386 - loss: 0.3908
Epoch 8500/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8501/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8502/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8503/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8504/10000
1/1 0s 27ms/step -
accuracy: 0.8386 - loss: 0.3908
Epoch 8505/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8506/10000
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Epoch 8507/10000
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Epoch 8508/10000
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Epoch 8509/10000
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Epoch 8510/10000
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Epoch 8511/10000
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Epoch 8512/10000
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Epoch 8513/10000
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Epoch 8514/10000
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Epoch 8515/10000
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Epoch 8516/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8517/10000
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Epoch 8518/10000
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Epoch 8519/10000
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Epoch 8520/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8521/10000
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accuracy: 0.8386 - loss: 0.3908
Epoch 8522/10000
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accuracy: 0.8386 - loss: 0.3907
Epoch 8523/10000
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accuracy: 0.8386 - loss: 0.3907
Epoch 8524/10000
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accuracy: 0.8386 - loss: 0.3907
Epoch 8525/10000
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Epoch 8526/10000
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Epoch 8527/10000
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Epoch 8528/10000
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Epoch 8529/10000
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Epoch 8530/10000
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accuracy: 0.8386 - loss: 0.3907
Epoch 8531/10000
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accuracy: 0.8386 - loss: 0.3907
Epoch 8532/10000
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accuracy: 0.8387 - loss: 0.3907
Epoch 8533/10000
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accuracy: 0.8387 - loss: 0.3907
Epoch 8534/10000
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accuracy: 0.8387 - loss: 0.3907
Epoch 8535/10000
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accuracy: 0.8387 - loss: 0.3907
Epoch 8536/10000
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accuracy: 0.8387 - loss: 0.3907
Epoch 8537/10000
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accuracy: 0.8387 - loss: 0.3907
Epoch 8538/10000
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accuracy: 0.8387 - loss: 0.3907
Epoch 8539/10000
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accuracy: 0.8387 - loss: 0.3907
Epoch 8540/10000
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accuracy: 0.8387 - loss: 0.3907
Epoch 8541/10000
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accuracy: 0.8388 - loss: 0.3907
Epoch 8542/10000
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accuracy: 0.8388 - loss: 0.3907
Epoch 8543/10000
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accuracy: 0.8388 - loss: 0.3907
Epoch 8544/10000
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accuracy: 0.8388 - loss: 0.3907
Epoch 8545/10000
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accuracy: 0.8388 - loss: 0.3907
Epoch 8546/10000
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accuracy: 0.8388 - loss: 0.3907
Epoch 8547/10000
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accuracy: 0.8388 - loss: 0.3907
Epoch 8548/10000
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accuracy: 0.8388 - loss: 0.3907
Epoch 8549/10000
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accuracy: 0.8388 - loss: 0.3907
Epoch 8550/10000
1/1 0s 9ms/step -
accuracy: 0.8388 - loss: 0.3906
Epoch 8551/10000
1/1 0s 18ms/step -
accuracy: 0.8388 - loss: 0.3906
Epoch 8552/10000
1/1 0s 31ms/step -
accuracy: 0.8388 - loss: 0.3906
Epoch 8553/10000
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accuracy: 0.8388 - loss: 0.3906
Epoch 8554/10000
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accuracy: 0.8388 - loss: 0.3906
Epoch 8555/10000
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Epoch 8556/10000
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Epoch 8557/10000
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accuracy: 0.8388 - loss: 0.3906
Epoch 8558/10000
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accuracy: 0.8388 - loss: 0.3906
Epoch 8559/10000
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accuracy: 0.8387 - loss: 0.3906
Epoch 8560/10000
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accuracy: 0.8387 - loss: 0.3906
Epoch 8561/10000
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accuracy: 0.8387 - loss: 0.3906
Epoch 8562/10000
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accuracy: 0.8387 - loss: 0.3906
Epoch 8563/10000
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accuracy: 0.8387 - loss: 0.3906
Epoch 8564/10000
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accuracy: 0.8387 - loss: 0.3906
Epoch 8565/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8566/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8567/10000
1/1 0s 30ms/step -
accuracy: 0.8386 - loss: 0.3906
Epoch 8568/10000
1/1 0s 23ms/step -
accuracy: 0.8386 - loss: 0.3906
Epoch 8569/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8570/10000
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Epoch 8571/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8572/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8573/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8574/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8575/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8576/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8577/10000
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accuracy: 0.8386 - loss: 0.3906
Epoch 8578/10000
1/1 0s 9ms/step -
accuracy: 0.8386 - loss: 0.3906
Epoch 8579/10000
1/1 0s 10ms/step -
accuracy: 0.8386 - loss: 0.3905
Epoch 8580/10000
1/1 0s 9ms/step -

accuracy: 0.8385 - loss: 0.3905
Epoch 8581/10000
1/1 0s 9ms/step -
accuracy: 0.8385 - loss: 0.3905
Epoch 8582/10000
1/1 0s 20ms/step -
accuracy: 0.8384 - loss: 0.3905
Epoch 8583/10000
1/1 0s 33ms/step -
accuracy: 0.8384 - loss: 0.3905
Epoch 8584/10000
1/1 0s 17ms/step -
accuracy: 0.8384 - loss: 0.3905
Epoch 8585/10000
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accuracy: 0.8384 - loss: 0.3905
Epoch 8586/10000
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accuracy: 0.8384 - loss: 0.3905
Epoch 8587/10000
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accuracy: 0.8384 - loss: 0.3905
Epoch 8588/10000
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accuracy: 0.8384 - loss: 0.3905
Epoch 8589/10000
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accuracy: 0.8388 - loss: 0.3905
Epoch 8590/10000
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accuracy: 0.8388 - loss: 0.3905
Epoch 8591/10000
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accuracy: 0.8388 - loss: 0.3905
Epoch 8592/10000
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accuracy: 0.8388 - loss: 0.3905
Epoch 8593/10000
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accuracy: 0.8388 - loss: 0.3905
Epoch 8594/10000
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accuracy: 0.8388 - loss: 0.3905
Epoch 8595/10000
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accuracy: 0.8389 - loss: 0.3905
Epoch 8596/10000
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accuracy: 0.8389 - loss: 0.3905
Epoch 8597/10000
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accuracy: 0.8389 - loss: 0.3905
Epoch 8598/10000
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accuracy: 0.8389 - loss: 0.3905
Epoch 8599/10000
1/1 0s 30ms/step -
accuracy: 0.8389 - loss: 0.3905
Epoch 8600/10000
1/1 0s 15ms/step -
accuracy: 0.8389 - loss: 0.3905
Epoch 8601/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3905
Epoch 8602/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3905
Epoch 8603/10000
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accuracy: 0.8393 - loss: 0.3905
Epoch 8604/10000
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accuracy: 0.8393 - loss: 0.3905
Epoch 8605/10000
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accuracy: 0.8393 - loss: 0.3905
Epoch 8606/10000
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accuracy: 0.8393 - loss: 0.3905
Epoch 8607/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3905
Epoch 8608/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3904
Epoch 8609/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3904
Epoch 8610/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8611/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8612/10000
1/1 0s 10ms/step -

accuracy: 0.8392 - loss: 0.3904
Epoch 8613/10000
1/1 0s 13ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8614/10000
1/1 0s 40ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8615/10000
1/1 0s 15ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8616/10000
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accuracy: 0.8392 - loss: 0.3904
Epoch 8617/10000
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accuracy: 0.8392 - loss: 0.3904
Epoch 8618/10000
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accuracy: 0.8392 - loss: 0.3904
Epoch 8619/10000
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accuracy: 0.8392 - loss: 0.3904
Epoch 8620/10000
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accuracy: 0.8392 - loss: 0.3904
Epoch 8621/10000
1/1 0s 14ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8622/10000
1/1 0s 13ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8623/10000
1/1 0s 12ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8624/10000
1/1 0s 13ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8625/10000
1/1 0s 11ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8626/10000
1/1 0s 11ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8627/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8628/10000
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accuracy: 0.8391 - loss: 0.3904
Epoch 8629/10000
1/1 0s 11ms/step -
accuracy: 0.8391 - loss: 0.3904
Epoch 8630/10000
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accuracy: 0.8391 - loss: 0.3904
Epoch 8631/10000
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accuracy: 0.8391 - loss: 0.3904
Epoch 8632/10000
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accuracy: 0.8391 - loss: 0.3904
Epoch 8633/10000
1/1 0s 15ms/step -
accuracy: 0.8391 - loss: 0.3904
Epoch 8634/10000
1/1 0s 53ms/step -
accuracy: 0.8391 - loss: 0.3904
Epoch 8635/10000
1/1 0s 19ms/step -
accuracy: 0.8391 - loss: 0.3904
Epoch 8636/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3904
Epoch 8637/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3903
Epoch 8638/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3903
Epoch 8639/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3903
Epoch 8640/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3903
Epoch 8641/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3903
Epoch 8642/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3903
Epoch 8643/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3903
Epoch 8644/10000
1/1 0s 9ms/step -

accuracy: 0.8396 - loss: 0.3903
Epoch 8645/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8646/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8647/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8648/10000
1/1 0s 15ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8649/10000
1/1 0s 31ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8650/10000
1/1 0s 11ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8651/10000
1/1 0s 15ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8652/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8653/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8654/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8655/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8656/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8657/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8658/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8659/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8660/10000
1/1 0s 9ms/step -

accuracy: 0.8396 - loss: 0.3903
Epoch 8661/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8662/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8663/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8664/10000
1/1 0s 15ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8665/10000
1/1 0s 33ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8666/10000
1/1 0s 16ms/step -
accuracy: 0.8396 - loss: 0.3903
Epoch 8667/10000
1/1 0s 11ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8668/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8669/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8670/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8671/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8672/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8673/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8674/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8675/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8676/10000
1/1 0s 9ms/step -

accuracy: 0.8396 - loss: 0.3902
Epoch 8677/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8678/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8679/10000
1/1 0s 9ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8680/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8681/10000
1/1 0s 31ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8682/10000
1/1 0s 21ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8683/10000
1/1 0s 16ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8684/10000
1/1 0s 10ms/step -
accuracy: 0.8396 - loss: 0.3902
Epoch 8685/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3902
Epoch 8686/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3902
Epoch 8687/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3902
Epoch 8688/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3902
Epoch 8689/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3902
Epoch 8690/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3902
Epoch 8691/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3902
Epoch 8692/10000
1/1 0s 10ms/step -

accuracy: 0.8398 - loss: 0.3902
Epoch 8693/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3902
Epoch 8694/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3902
Epoch 8695/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3902
Epoch 8696/10000
1/1 0s 16ms/step -
accuracy: 0.8397 - loss: 0.3902
Epoch 8697/10000
1/1 0s 28ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8698/10000
1/1 0s 15ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8699/10000
1/1 0s 13ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8700/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8701/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8702/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8703/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8704/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8705/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8706/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8707/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8708/10000
1/1 0s 9ms/step -

accuracy: 0.8397 - loss: 0.3901
Epoch 8709/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8710/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8711/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8712/10000
1/1 0s 30ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8713/10000
1/1 0s 24ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8714/10000
1/1 0s 17ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8715/10000
1/1 0s 13ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8716/10000
1/1 0s 14ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8717/10000
1/1 0s 13ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8718/10000
1/1 0s 15ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8719/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8720/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8721/10000
1/1 0s 11ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8722/10000
1/1 0s 11ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8723/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8724/10000
1/1 0s 10ms/step -

accuracy: 0.8397 - loss: 0.3901
Epoch 8725/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8726/10000
1/1 0s 30ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8727/10000
1/1 0s 20ms/step -
accuracy: 0.8397 - loss: 0.3901
Epoch 8728/10000
1/1 0s 13ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8729/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8730/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8731/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8732/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8733/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8734/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8735/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8736/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8737/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8738/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8739/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8740/10000
1/1 0s 9ms/step -

accuracy: 0.8397 - loss: 0.3900
Epoch 8741/10000
1/1 0s 17ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8742/10000
1/1 0s 25ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8743/10000
1/1 0s 15ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8744/10000
1/1 0s 16ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8745/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8746/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8747/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8748/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8749/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8750/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8751/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8752/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8753/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8754/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8755/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8756/10000
1/1 0s 10ms/step -

accuracy: 0.8397 - loss: 0.3900
Epoch 8757/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8758/10000
1/1 0s 25ms/step -
accuracy: 0.8397 - loss: 0.3900
Epoch 8759/10000
1/1 0s 25ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8760/10000
1/1 0s 16ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8761/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8762/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8763/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8764/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8765/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8766/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8767/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8768/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8769/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8770/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8771/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8772/10000
1/1 0s 9ms/step -

accuracy: 0.8397 - loss: 0.3899
Epoch 8773/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8774/10000
1/1 0s 18ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8775/10000
1/1 0s 34ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8776/10000
1/1 0s 13ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8777/10000
1/1 0s 12ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8778/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8779/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8780/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8781/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8782/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8783/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8784/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8785/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8786/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8787/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8788/10000
1/1 0s 11ms/step -

accuracy: 0.8398 - loss: 0.3899
Epoch 8789/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8790/10000
1/1 0s 33ms/step -
accuracy: 0.8397 - loss: 0.3899
Epoch 8791/10000
1/1 0s 21ms/step -
accuracy: 0.8397 - loss: 0.3898
Epoch 8792/10000
1/1 0s 14ms/step -
accuracy: 0.8397 - loss: 0.3898
Epoch 8793/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3898
Epoch 8794/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3898
Epoch 8795/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3898
Epoch 8796/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3898
Epoch 8797/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3898
Epoch 8798/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3898
Epoch 8799/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3898
Epoch 8800/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3898
Epoch 8801/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3898
Epoch 8802/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3898
Epoch 8803/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3898
Epoch 8804/10000
1/1 0s 10ms/step -

```

accuracy: 0.8393 - loss: 0.3898
Epoch 8805/10000
1/1          0s 19ms/step -
accuracy: 0.8393 - loss: 0.3898
Epoch 8806/10000
1/1          0s 32ms/step -
accuracy: 0.8393 - loss: 0.3898
Epoch 8807/10000
1/1          0s 15ms/step -
accuracy: 0.8393 - loss: 0.3898
Epoch 8808/10000
1/1          0s 14ms/step -
accuracy: 0.8393 - loss: 0.3898
Epoch 8809/10000
1/1          0s 13ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8810/10000
1/1          0s 13ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8811/10000
1/1          0s 11ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8812/10000
1/1          0s 14ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8813/10000
1/1          0s 10ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8814/10000
1/1          0s 10ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8815/10000
1/1          0s 10ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8816/10000
1/1          0s 10ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8817/10000
1/1          0s 10ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8818/10000
1/1          0s 9ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8819/10000
1/1          0s 24ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8820/10000
1/1          0s 28ms/step -

```

accuracy: 0.8392 - loss: 0.3898
Epoch 8821/10000
1/1 0s 17ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8822/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3898
Epoch 8823/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8824/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8825/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8826/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8827/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8828/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8829/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8830/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8831/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8832/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8833/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8834/10000
1/1 0s 9ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8835/10000
1/1 0s 26ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8836/10000
1/1 0s 26ms/step -

accuracy: 0.8392 - loss: 0.3897
Epoch 8837/10000
1/1 0s 17ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8838/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8839/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8840/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8841/10000
1/1 0s 10ms/step -
accuracy: 0.8392 - loss: 0.3897
Epoch 8842/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8843/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8844/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8845/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8846/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8847/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8848/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8849/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8850/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8851/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8852/10000
1/1 0s 35ms/step -

accuracy: 0.8393 - loss: 0.3897
Epoch 8853/10000
1/1 0s 17ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8854/10000
1/1 0s 17ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8855/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3897
Epoch 8856/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3896
Epoch 8857/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3896
Epoch 8858/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3896
Epoch 8859/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3896
Epoch 8860/10000
1/1 0s 9ms/step -
accuracy: 0.8393 - loss: 0.3896
Epoch 8861/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3896
Epoch 8862/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3896
Epoch 8863/10000
1/1 0s 10ms/step -
accuracy: 0.8393 - loss: 0.3896
Epoch 8864/10000
1/1 0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8865/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8866/10000
1/1 0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8867/10000
1/1 0s 31ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8868/10000
1/1 0s 23ms/step -

```

accuracy: 0.8394 - loss: 0.3896
Epoch 8869/10000
1/1          0s 16ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8870/10000
1/1          0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8871/10000
1/1          0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8872/10000
1/1          0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8873/10000
1/1          0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8874/10000
1/1          0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8875/10000
1/1          0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8876/10000
1/1          0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8877/10000
1/1          0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8878/10000
1/1          0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8879/10000
1/1          0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8880/10000
1/1          0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8881/10000
1/1          0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8882/10000
1/1          0s 22ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8883/10000
1/1          0s 29ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8884/10000
1/1          0s 17ms/step -

```



```

accuracy: 0.8394 - loss: 0.3896
Epoch 8885/10000
1/1          0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8886/10000
1/1          0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8887/10000
1/1          0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8888/10000
1/1          0s 10ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8889/10000
1/1          0s 9ms/step -
accuracy: 0.8394 - loss: 0.3896
Epoch 8890/10000
1/1          0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8891/10000
1/1          0s 10ms/step -
accuracy: 0.8399 - loss: 0.3895
Epoch 8892/10000
1/1          0s 9ms/step -
accuracy: 0.8399 - loss: 0.3895
Epoch 8893/10000
1/1          0s 9ms/step -
accuracy: 0.8399 - loss: 0.3895
Epoch 8894/10000
1/1          0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8895/10000
1/1          0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8896/10000
1/1          0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8897/10000
1/1          0s 12ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8898/10000
1/1          0s 29ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8899/10000
1/1          0s 14ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8900/10000
1/1          0s 11ms/step -

```

accuracy: 0.8398 - loss: 0.3895
Epoch 8901/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8902/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8903/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8904/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8905/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8906/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8907/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8908/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8909/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8910/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8911/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8912/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8913/10000
1/1 0s 12ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8914/10000
1/1 0s 29ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8915/10000
1/1 0s 17ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8916/10000
1/1 0s 9ms/step -

accuracy: 0.8398 - loss: 0.3895
Epoch 8917/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8918/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8919/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3895
Epoch 8920/10000
1/1 0s 9ms/step -
accuracy: 0.8399 - loss: 0.3895
Epoch 8921/10000
1/1 0s 9ms/step -
accuracy: 0.8399 - loss: 0.3895
Epoch 8922/10000
1/1 0s 9ms/step -
accuracy: 0.8399 - loss: 0.3895
Epoch 8923/10000
1/1 0s 9ms/step -
accuracy: 0.8399 - loss: 0.3895
Epoch 8924/10000
1/1 0s 9ms/step -
accuracy: 0.8399 - loss: 0.3894
Epoch 8925/10000
1/1 0s 9ms/step -
accuracy: 0.8399 - loss: 0.3894
Epoch 8926/10000
1/1 0s 9ms/step -
accuracy: 0.8399 - loss: 0.3894
Epoch 8927/10000
1/1 0s 9ms/step -
accuracy: 0.8399 - loss: 0.3894
Epoch 8928/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8929/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8930/10000
1/1 0s 22ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8931/10000
1/1 0s 26ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8932/10000
1/1 0s 16ms/step -

accuracy: 0.8398 - loss: 0.3894
Epoch 8933/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8934/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8935/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8936/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8937/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8938/10000
1/1 0s 11ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8939/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8940/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8941/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8942/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8943/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8944/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8945/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8946/10000
1/1 0s 33ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8947/10000
1/1 0s 18ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8948/10000
1/1 0s 16ms/step -

```

accuracy: 0.8398 - loss: 0.3894
Epoch 8949/10000
1/1          0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8950/10000
1/1          0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8951/10000
1/1          0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8952/10000
1/1          0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8953/10000
1/1          0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8954/10000
1/1          0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8955/10000
1/1          0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8956/10000
1/1          0s 10ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8957/10000
1/1          0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8958/10000
1/1          0s 9ms/step -
accuracy: 0.8398 - loss: 0.3894
Epoch 8959/10000
1/1          0s 10ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8960/10000
1/1          0s 10ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8961/10000
1/1          0s 23ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8962/10000
1/1          0s 38ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8963/10000
1/1          0s 13ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8964/10000
1/1          0s 13ms/step -

```

accuracy: 0.8397 - loss: 0.3893
Epoch 8965/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8966/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8967/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8968/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8969/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8970/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8971/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8972/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8973/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8974/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8975/10000
1/1 0s 23ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8976/10000
1/1 0s 32ms/step -
accuracy: 0.8397 - loss: 0.3893
Epoch 8977/10000
1/1 0s 15ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8978/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8979/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8980/10000
1/1 0s 9ms/step -

accuracy: 0.8398 - loss: 0.3893
Epoch 8981/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8982/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8983/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8984/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8985/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8986/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8987/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8988/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8989/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8990/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8991/10000
1/1 0s 29ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8992/10000
1/1 0s 26ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8993/10000
1/1 0s 17ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8994/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3893
Epoch 8995/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 8996/10000
1/1 0s 10ms/step -

accuracy: 0.8398 - loss: 0.3892
Epoch 8997/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 8998/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 8999/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9000/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9001/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9002/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9003/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9004/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9005/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9006/10000
1/1 0s 13ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9007/10000
1/1 0s 29ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9008/10000
1/1 0s 16ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9009/10000
1/1 0s 14ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9010/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9011/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9012/10000
1/1 0s 9ms/step -

accuracy: 0.8398 - loss: 0.3892
Epoch 9013/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9014/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9015/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9016/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9017/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9018/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9019/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9020/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9021/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9022/10000
1/1 0s 23ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9023/10000
1/1 0s 30ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9024/10000
1/1 0s 16ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9025/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9026/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9027/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9028/10000
1/1 0s 10ms/step -

accuracy: 0.8398 - loss: 0.3892
Epoch 9029/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9030/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3892
Epoch 9031/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3891
Epoch 9032/10000
1/1 0s 10ms/step -
accuracy: 0.8398 - loss: 0.3891
Epoch 9033/10000
1/1 0s 9ms/step -
accuracy: 0.8398 - loss: 0.3891
Epoch 9034/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9035/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9036/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9037/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9038/10000
1/1 0s 30ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9039/10000
1/1 0s 26ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9040/10000
1/1 0s 17ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9041/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9042/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9043/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9044/10000
1/1 0s 10ms/step -

accuracy: 0.8397 - loss: 0.3891
Epoch 9045/10000
1/1 0s 13ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9046/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9047/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9048/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9049/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9050/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9051/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9052/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9053/10000
1/1 0s 13ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9054/10000
1/1 0s 30ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9055/10000
1/1 0s 17ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9056/10000
1/1 0s 14ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9057/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9058/10000
1/1 0s 9ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9059/10000
1/1 0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9060/10000
1/1 0s 10ms/step -

```

accuracy: 0.8397 - loss: 0.3891
Epoch 9061/10000
1/1          0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9062/10000
1/1          0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9063/10000
1/1          0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9064/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9065/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9066/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9067/10000
1/1          0s 10ms/step -
accuracy: 0.8397 - loss: 0.3891
Epoch 9068/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9069/10000
1/1          0s 25ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9070/10000
1/1          0s 25ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9071/10000
1/1          0s 15ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9072/10000
1/1          0s 10ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9073/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9074/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9075/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9076/10000
1/1          0s 9ms/step -

```

```

accuracy: 0.8397 - loss: 0.3890
Epoch 9077/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9078/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9079/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9080/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9081/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9082/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9083/10000
1/1          0s 9ms/step -
accuracy: 0.8397 - loss: 0.3890
Epoch 9084/10000
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accuracy: 0.8397 - loss: 0.3890
Epoch 9085/10000
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accuracy: 0.8397 - loss: 0.3890
Epoch 9086/10000
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accuracy: 0.8397 - loss: 0.3890
Epoch 9087/10000
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Epoch 9088/10000
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Epoch 9089/10000
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Epoch 9090/10000
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accuracy: 0.8396 - loss: 0.3890
Epoch 9091/10000
1/1          0s 9ms/step -
accuracy: 0.8396 - loss: 0.3890
Epoch 9092/10000
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accuracy: 0.8396 - loss: 0.3890
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Epoch 9311/10000
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accuracy: 0.8394 - loss: 0.3880
Epoch 9537/10000
1/1 0s 9ms/step -
accuracy: 0.8394 - loss: 0.3880
Epoch 9538/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3880
Epoch 9539/10000
1/1 0s 9ms/step -
accuracy: 0.8394 - loss: 0.3880
Epoch 9540/10000
1/1 0s 9ms/step -

```

accuracy: 0.8395 - loss: 0.3880
Epoch 9541/10000
1/1          0s 10ms/step -
accuracy: 0.8395 - loss: 0.3880
Epoch 9542/10000
1/1          0s 9ms/step -
accuracy: 0.8395 - loss: 0.3880
Epoch 9543/10000
1/1          0s 14ms/step -
accuracy: 0.8395 - loss: 0.3880
Epoch 9544/10000
1/1          0s 32ms/step -
accuracy: 0.8395 - loss: 0.3880
Epoch 9545/10000
1/1          0s 20ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9546/10000
1/1          0s 10ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9547/10000
1/1          0s 10ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9548/10000
1/1          0s 9ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9549/10000
1/1          0s 9ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9550/10000
1/1          0s 10ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9551/10000
1/1          0s 9ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9552/10000
1/1          0s 10ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9553/10000
1/1          0s 9ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9554/10000
1/1          0s 10ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9555/10000
1/1          0s 10ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9556/10000
1/1          0s 9ms/step -

```

accuracy: 0.8395 - loss: 0.3879
Epoch 9557/10000
1/1 0s 10ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9558/10000
1/1 0s 10ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9559/10000
1/1 0s 32ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9560/10000
1/1 0s 32ms/step -
accuracy: 0.8395 - loss: 0.3879
Epoch 9561/10000
1/1 0s 13ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9562/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9563/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9564/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9565/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9566/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9567/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9568/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9569/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9570/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9571/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9572/10000
1/1 0s 10ms/step -

accuracy: 0.8394 - loss: 0.3879
Epoch 9573/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9574/10000
1/1 0s 20ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9575/10000
1/1 0s 30ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9576/10000
1/1 0s 14ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9577/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9578/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9579/10000
1/1 0s 9ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9580/10000
1/1 0s 9ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9581/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9582/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9583/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9584/10000
1/1 0s 9ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9585/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9586/10000
1/1 0s 10ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9587/10000
1/1 0s 9ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9588/10000
1/1 0s 10ms/step -

```

accuracy: 0.8394 - loss: 0.3879
Epoch 9589/10000
1/1          0s 9ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9590/10000
1/1          0s 33ms/step -
accuracy: 0.8394 - loss: 0.3879
Epoch 9591/10000
1/1          0s 17ms/step -
accuracy: 0.8394 - loss: 0.3879
Lambda: 0.5, Accuracy on Entire Dataset: 0.8344689607620239

```

0.0.6 Observation

Model	Accuracy
Deep Neural Net	~84%
k-NN	~86%
Random Forest	90.4%

Choosing Random Forest because

1. Better Generalization: With an accuracy of 90.4%, it outperformed k-NN (~86%) and Deep Neural Networks (~84%), demonstrating better generalization on unseen data.
2. Handling Non-Linearity: Random Forest can model complex, non-linear interactions between features, which is beneficial for capturing relationships that k-NN and Linear Regression may miss.
3. Robust to Noise: It is less sensitive to outliers and noise compared to k-NN, making it a more stable choice for real-world data.
4. Efficient Performance: It delivers high accuracy with minimal tuning compared to Deep Neural Networks, which are computationally expensive for this problem.
5. Although KNN is easy to use but slows down significantly for when data is large.
6. Deep neural net that we have used is complex but still we are not able to generalize our data. Training it takes a lot of time, making it computationally expensive, Additionally finding how many hidden layers required is a difficult task.
7. Randomforest was fast in learning data and it can predict data quickly as well with highest accuracy on our dataset.

Note: It's always advised to use simplest model and in our case random forest is the simplest model with the highest accuracy.