

In [1]:

```
# import packages
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import numpy as np
import torch
from torch.utils.data import DataLoader
from google.colab import files
import io
import warnings
from sklearn.model_selection import train_test_split
warnings.filterwarnings(action='ignore')
```

In [2]:

```
# import the Titanic dataset as a training dataset
uploaded = files.upload()
```

파일 선택 선택된 파일 없음

Upload widget is only available when the cell has been executed in the current browser session.  
Please rerun this cell to enable.

Saving train.csv to train.csv

In [3]:

```
#We will use 'Survived' feature as a class(y) but there is no 'Survived' feature in test.csv.
#So Split the train data into train and validation data.

train = pd.read_csv(io.BytesIO(uploaded['train.csv']))
train, valid = train_test_split(train, test_size = 0.3, random_state = 55)
```

## Data Observation

In [4]:

```
train.head(5)
```

Out[4]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare
636	637	0	3	Leinonen, Mr. Antti Gustaf	male	32.0	0	0	STON/O 2. 3101292	7.9251
209	210	1	1	Blank, Mr. Henry	male	40.0	0	0	112277	31.0001
756	757	0	3	Carlsson, Mr. August Sigfrid	male	28.0	0	0	350042	7.7951
291	292	1	1	Bishop, Mrs. Dickinson H (Helen Walton)	female	19.0	1	0	11967	91.0791
499	500	0	3	Svensson, Mr. Olof	male	24.0	0	0	350035	7.7951

In [5]:

```
train.info()
```

```
<class 'pandas.core.frame.DataFrame'>
Int64Index: 623 entries, 636 to 461
Data columns (total 12 columns):
#   Column      Non-Null Count  Dtype
---  -
0   PassengerId  623 non-null    int64
1   Survived     623 non-null    int64
2   Pclass       623 non-null    int64
3   Name         623 non-null    object
4   Sex          623 non-null    object
5   Age         493 non-null    float64
6   SibSp       623 non-null    int64
7   Parch       623 non-null    int64
8   Ticket       623 non-null    object
9   Fare        623 non-null    float64
10  Cabin       144 non-null    object
11  Embarked    622 non-null    object
dtypes: float64(2), int64(5), object(5)
memory usage: 63.3+ KB
```

In [6]:

```
#There are no survived feature since this is the test data!
#test = pd.read_csv(io.BytesIO(uploaded['test.csv']))
#test.head(5)
```

In [7]:

```
print(f'number of train data: {len(train)}, number of valid data: {len(valid)}')
```

number of train data: 623, number of valid data: 268

In [8]:

```
#Observe a null value
train.isnull().sum()
```

Out[8]:

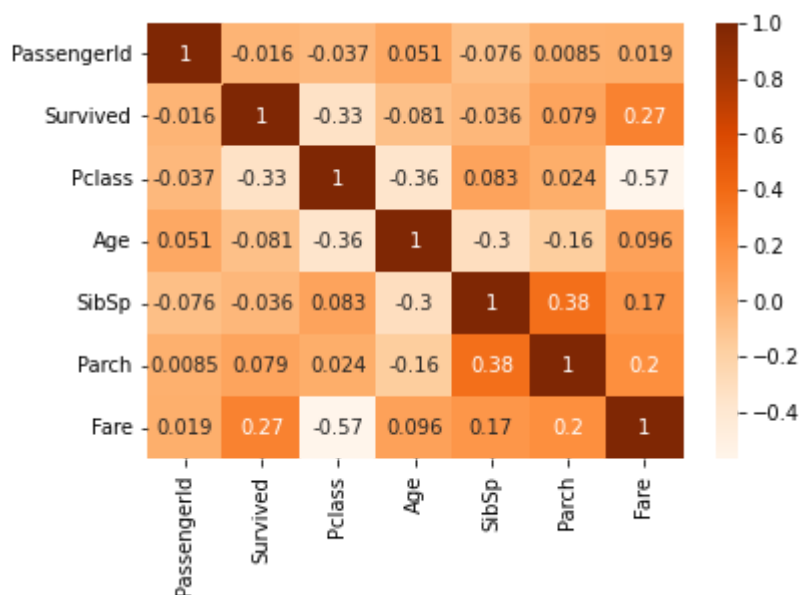
```
PassengerId    0
Survived        0
Pclass         0
Name           0
Sex            0
Age          130
SibSp          0
Parch          0
Ticket         0
Fare           0
Cabin         479
Embarked        1
dtype: int64
```

In [9]:

```
#You can see the correlation coefficient of features.
sns.heatmap(train.corr(), annot = True, cmap='Oranges')
```

Out[9]:

<matplotlib.axes.\_subplots.AxesSubplot at 0x7f9cd5601f50>



## Data preprocessing

In [10]:

```
#We dropped Cabin, name, ticket features because there are many null values and it's correlation
with survived feature is low
train.drop(columns = ['PassengerId', 'Name', 'Ticket', 'Cabin'], inplace = True)

#We filled the null value of Embarked data with the most frequently used data
train['Embarked'].fillna(train['Embarked'].mode()[0], inplace = True)
```

In [11]:

```
# We filled the null value of age divided with the pclass. pclass and age has high correlation s
hown on the heatmap above!
train['Age'].fillna(999, inplace=True)
train.loc[(train['Pclass'] == 1) & (train['Age'] == 999), 'Age'] = train.loc[(train['Pclass'] ==
1) & (train['Age'] != 999)]['Age'].mean()
train.loc[(train['Pclass'] == 2) & (train['Age'] == 999), 'Age'] = train.loc[(train['Pclass'] ==
2) & (train['Age'] != 999)]['Age'].mean()
train.loc[(train['Pclass'] == 3) & (train['Age'] == 999), 'Age'] = train.loc[(train['Pclass'] ==
3) & (train['Age'] != 999)]['Age'].mean()
```

In [12]:

```
train.isnull().sum()
```

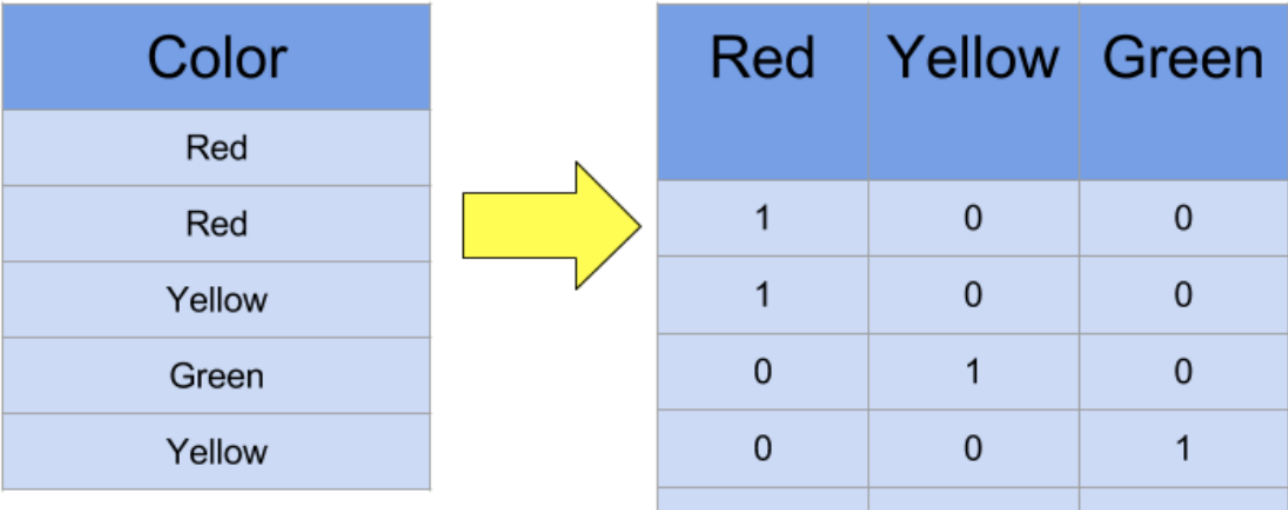
Out[12]:

```
Survived    0
Pclass      0
Sex         0
Age         0
SibSp       0
Parch       0
Fare        0
Embarked    0
dtype: int64
```

In [13]:

```
#This is a code that changes the object feature to a number(It was used in previous lecture).
#train['Sex'] = train["Sex"].replace({"male" : 0})
#train['Sex'] = train["Sex"].replace({"female" : 1})
```

## One-hot encoding



In [14]:

```
#one hot encoding
train = pd.get_dummies(train, columns = ['Sex'])
train
```

Out[14]:

	Survived	Pclass	Age	SibSp	Parch	Fare	Embarked	Sex_female	Sex_male
636	0	3	32.00000	0	0	7.9250	S	0	1
209	1	1	40.00000	0	0	31.0000	C	0	1
756	0	3	28.00000	0	0	7.7958	S	0	1
291	1	1	19.00000	1	0	91.0792	C	1	0
499	0	3	24.00000	0	0	7.7958	S	0	1
...	...	...	...	...	...	...	...	...	...
823	1	3	27.00000	0	1	12.4750	S	1	0
541	0	3	9.00000	4	2	31.2750	S	1	0
295	0	1	38.96736	0	0	27.7208	C	0	1
666	0	2	25.00000	0	0	13.0000	S	0	1
461	0	3	34.00000	0	0	8.0500	S	0	1

623 rows × 9 columns

## Problem 1 (10 point)

Which is more appropriate, one hot encoding or changing object to a number, when preprocessing an object feature? why? Apply one-hot encoding to feature 'Embarked', as applied to feature 'Sex'.

In [15]:

```
#Write your answer here!
# one hot encoding 이 보기에 시각적으로 편하다고 느껴집니다
train = pd.get_dummies(train, columns = ['Embarked'])
```

In [16]:

```
train
```

Out[16]:

	Survived	Pclass	Age	SibSp	Parch	Fare	Sex_female	Sex_male	Embarked_C
636	0	3	32.00000	0	0	7.9250	0	1	(
209	1	1	40.00000	0	0	31.0000	0	1	.
756	0	3	28.00000	0	0	7.7958	0	1	(
291	1	1	19.00000	1	0	91.0792	1	0	.
499	0	3	24.00000	0	0	7.7958	0	1	(
...	...	...	...	...	...	...	...	...	..
823	1	3	27.00000	0	1	12.4750	1	0	(
541	0	3	9.00000	4	2	31.2750	1	0	(
295	0	1	38.96736	0	0	27.7208	0	1	.
666	0	2	25.00000	0	0	13.0000	0	1	(
461	0	3	34.00000	0	0	8.0500	0	1	(

623 rows × 11 columns

In [17]:

```
#min max scailing
train['Age'] = (train['Age'] - train['Age'].min()) / (train['Age'].max() - train['Age'].min())
train['Fare'] = (train['Fare'] - train['Fare'].min()) / (train['Fare'].max() - train['Fare'].min())
train['Pclass'] = (train['Pclass'] - train['Pclass'].min()) / (train['Pclass'].max() - train['Pclass'].min())
```

In [18]:

```
train
```

Out[18]:

	Survived	Pclass	Age	SibSp	Parch	Fare	Sex_female	Sex_male	Embarked_
636	0	1.0	0.427247	0	0	0.015469	0	1	
209	1	0.0	0.536343	0	0	0.060508	0	1	
756	0	1.0	0.372699	0	0	0.015216	0	1	
291	1	0.0	0.249966	1	0	0.177775	1	0	
499	0	1.0	0.318151	0	0	0.015216	0	1	
...	...	...	...	...	...	...	...	...	...
823	1	1.0	0.359062	0	1	0.024350	1	0	
541	0	1.0	0.113596	4	2	0.061045	1	0	
295	0	0.0	0.522260	0	0	0.054107	0	1	
666	0	0.5	0.331788	0	0	0.025374	0	1	
461	0	1.0	0.454521	0	0	0.015713	0	1	

623 rows × 11 columns

In [19]:

```
train.to_csv('train_preprocessed.csv', index=False)
```

In [20]:

```
x_train = train.drop(['Survived'], axis = 1)
y_train = train['Survived']
```

## validation Data Preprocessing

In [21]:

valid.info()

```
<class 'pandas.core.frame.DataFrame'>
Int64Index: 268 entries, 713 to 232
Data columns (total 12 columns):
#   Column          Non-Null Count  Dtype
---  -
0   PassengerId     268 non-null   int64
1   Survived        268 non-null   int64
2   Pclass          268 non-null   int64
3   Name            268 non-null   object
4   Sex             268 non-null   object
5   Age            221 non-null   float64
6   SibSp           268 non-null   int64
7   Parch          268 non-null   int64
8   Ticket          268 non-null   object
9   Fare            268 non-null   float64
10  Cabin           60 non-null    object
11  Embarked        267 non-null   object
dtypes: float64(2), int64(5), object(5)
memory usage: 27.2+ KB
```

In [22]:

```
#Observe a null value
valid.isnull().sum()
```

Out[22]:

```
PassengerId    0
Survived        0
Pclass         0
Name           0
Sex            0
Age           47
SibSp          0
Parch          0
Ticket         0
Fare           0
Cabin         208
Embarked       1
dtype: int64
```

## Problem 2 (10 point)

Preprocess the validation data with the same way we applied it to the train data.\ (You should use the min, max value of train data(like variables 'miin\_age', 'max\_age'))



In [23]:

```
#We do the same data processing to the validation dataset
#This is answer
valid.drop(columns = ['PassengerId', 'Name', 'Ticket', 'Cabin'], inplace = True)

valid['Age'].fillna(999, inplace=True)
valid.loc[(valid['Pclass'] == 1) & (valid['Age'] == 999), 'Age'] = valid.loc[(valid['Pclass'] == 1) & (valid['Age'] != 999)]['Age'].mean()
valid.loc[(valid['Pclass'] == 2) & (valid['Age'] == 999), 'Age'] = valid.loc[(valid['Pclass'] == 2) & (valid['Age'] != 999)]['Age'].mean()
valid.loc[(valid['Pclass'] == 3) & (valid['Age'] == 999), 'Age'] = valid.loc[(valid['Pclass'] == 3) & (valid['Age'] != 999)]['Age'].mean()

valid['Embarked'].fillna(valid['Embarked'].mode()[0], inplace = True)

valid = pd.get_dummies(valid, columns = ['Embarked'])
valid = pd.get_dummies(valid, columns = ['Sex'])

valid['Age'] = (valid['Age'] - valid['Age'].min()) / (valid['Age'].max() - valid['Age'].min())
valid['Fare'] = (valid['Fare'] - valid['Fare'].min()) / (valid['Fare'].max() - valid['Fare'].min())
valid['Pclass'] = (valid['Pclass'] - valid['Pclass'].min()) / (valid['Pclass'].max() - valid['Pclass'].min())

x_valid = valid.drop(['Survived'], axis = 1)
y_valid = valid['Survived']
```

In [24]:

```
valid.info()
```

```
<class 'pandas.core.frame.DataFrame'>
Int64Index: 268 entries, 713 to 232
Data columns (total 11 columns):
#   Column          Non-Null Count  Dtype
---  -
0   Survived        268 non-null    int64
1   Pclass          268 non-null    float64
2   Age             268 non-null    float64
3   SibSp           268 non-null    int64
4   Parch          268 non-null    int64
5   Fare            268 non-null    float64
6   Embarked_C      268 non-null    uint8
7   Embarked_Q      268 non-null    uint8
8   Embarked_S      268 non-null    uint8
9   Sex_female      268 non-null    uint8
10  Sex_male        268 non-null    uint8
dtypes: float64(3), int64(3), uint8(5)
memory usage: 16.0 KB
```

In [25]:

```
import torch
from torch.utils.data import DataLoader, TensorDataset
```

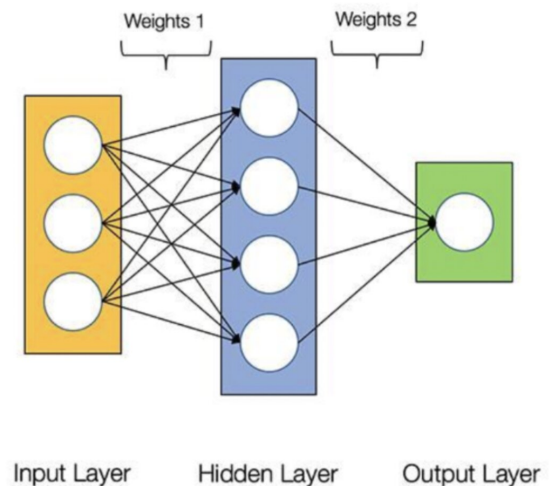
In [26]:

```
# Prepare your data for training with DataLoaders
x_train = torch.tensor(x_train.to_numpy(), dtype=torch.float32) # we can also use torch.from_numpy(x_train)
y_train = torch.tensor(y_train.to_numpy(), dtype=torch.float32)
y_train = y_train.reshape(-1,1) # -1 is used only once to indicate the remainder. ex) (24, 1) --> (-1, 4, 3) ==> -1 becomes 2
x_valid = torch.tensor(x_valid.to_numpy(), dtype=torch.float32)
y_valid = torch.tensor(y_valid.to_numpy(), dtype=torch.float32)
y_valid = y_valid.reshape(-1,1)
```

## MLP structure

### ► Structure

- Input layer
  - ✓ Simply pass the input values to the next layer.
  - ✓ # of nodes = # of inputs
- Hidden layer
  - ✓ There can be several hidden layers.
  - ✓ # of nodes should be given.
- Output layer
  - ✓ # of nodes = # of outputs



**Weight1 --> shape: 3\*4**

**Weight2 --> shape: 4\*1**

In [27]:

```
# Pytorch already implemented the simple feed forward network called "Linear"
#Input->Hidden
MLP1 = torch.nn.Linear(3,4) #nn.Linear(input_dim, output_dim)
MLP1.weight, MLP1.bias
```

Out[27]:

```
(Parameter containing:
  tensor([[ 0.4533, -0.5490, -0.1688],
          [-0.4976, -0.3525,  0.0794],
          [ 0.2232, -0.3652,  0.5765],
          [ 0.1795,  0.0429,  0.0601]], requires_grad=True),
Parameter containing:
  tensor([-0.0877, -0.3226,  0.1363,  0.2488], requires_grad=True))
```

In [28]:

```
#Hidden->Output
MLP2 = torch.nn.Linear(4,1)
MLP2.weight, MLP2.bias
```

Out[28]:

```
(Parameter containing:
  tensor([[ -0.2052, -0.4664, -0.3821,  0.0351]], requires_grad=True),
Parameter containing:
  tensor([0.1750], requires_grad=True))
```

In [29]:

```
x = torch.tensor([1., 0., 1.])
target = torch.tensor(0.5)
## Pytorch has famous many used loss function and optimization
optim = torch.optim.SGD([MLP1.weight, MLP2.weight], lr=0.1)
loss_func = torch.nn.MSELoss()
y = MLP1(x)
y = torch.nn.functional.sigmoid(y)
y = MLP2(y)
y = torch.nn.functional.sigmoid(y)
print(f"y value before update : {y.item()}")
```

y value before update : 0.41558292508125305

In [30]:

```
for i in range(10000):
    y = MLP1(x)
    y = torch.nn.functional.sigmoid(y)
    y = MLP2(y)
    y = torch.nn.functional.sigmoid(y)
    loss = loss_func(y, target)
    # pytorch automatically calculates the gradient and applies EBP(Error Back Propagation)
    optim.zero_grad()      #zero_grad() function is making the gradient zero..this time is for initialization
    loss.backward()        #pytorch automatically calculates the gradient
    optim.step()           #update the weights

MLP1.weight, MLP2.weight, y
#Weight of MLP1 layer and MLP2 layer has changed
#y value after update has changed to the target value
```

Out[30]:

```
(Parameter containing:
  tensor([[ 0.4446, -0.5490, -0.1774],
          [-0.5213, -0.3525,  0.0556],
          [ 0.2080, -0.3652,  0.5613],
          [ 0.1864,  0.0429,  0.0670]], requires_grad=True),
Parameter containing:
  tensor([[ -0.0645, -0.3846, -0.1981,  0.1949]], requires_grad=True),
  tensor([0.5000], grad_fn=<SigmoidBackward0>))
```

## Customizing our Own layer

***Pytorch provides class to customize our own layer***

In [31]:

```
class My_layers(torch.nn.Module): # we inherited the torch module class
# we have to define __init__ function and forward function
    def __init__(self):
        super(My_layers, self).__init__()
        # Initialize the layers
        self.MLP1 = torch.nn.Linear(3, 4)
        self.MLP2 = torch.nn.Linear(4, 1)

    def forward(self, x): # x will be the input data
        y = self.MLP1(x)
        y = torch.nn.functional.sigmoid(y)
        y = self.MLP2(y)
        y = torch.nn.functional.sigmoid(y)
        return y
```

In [32]:

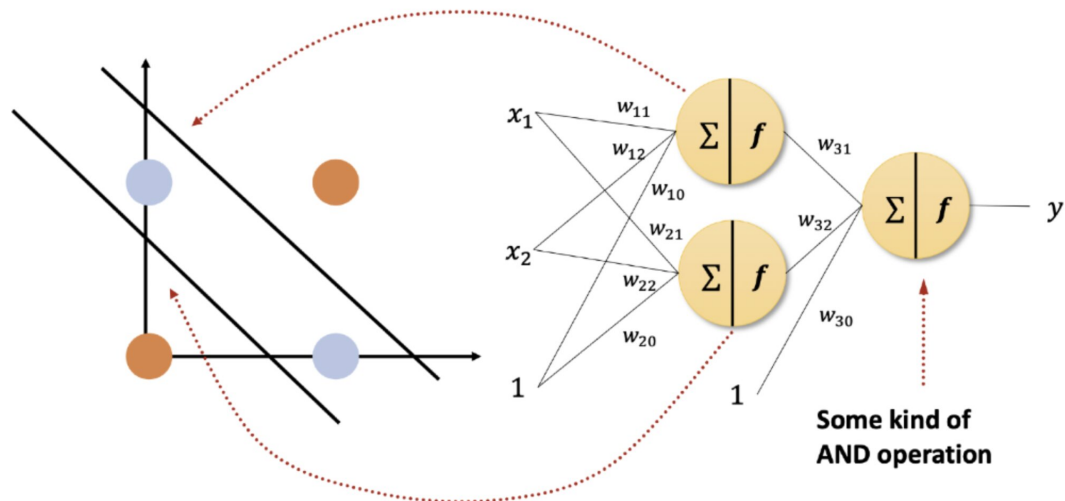
```
model = My_layers()
x = torch.tensor([1., 0., 1.])
target = torch.tensor(0.5)
## Pytorch implemented famous many used loss function and optimization
optim = torch.optim.SGD(model.parameters(), lr=0.1) # .parameters() contain all the learnable parameters on model defined on __init__ function
loss_func = torch.nn.MSELoss()
```

In [33]:

```
for i in range(10000):
    y = model(x)
    loss = loss_func(target, y)
    optim.zero_grad()
    loss.backward()
    optim.step()
y
```

Out [33]:

```
tensor([0.5000], grad_fn=<SigmoidBackward0>)
```

**Problem 3 (10 point)*****Make your own layer class to solve the XOR problem******Define the structure as shown in the below figure******2-dim input (figure contains bias as 1), 2-dim hidden, 1-dim output,***

In [34]:

```

class XOR_layer(torch.nn.Module):
    def __init__(self):
        super(XOR_layer, self).__init__()
        ## define your own layers!
        self.MLP1 = torch.nn.Linear(2, 2)
        self.MLP2 = torch.nn.Linear(2, 1)

    def forward(self, x):
        # define the forward function
        y = self.MLP1(x)
        y = torch.nn.functional.sigmoid(y)
        y = self.MLP2(y)
        y = torch.nn.functional.sigmoid(y)
        return y

```

In [35]:

```

model = XOR_layer()
loss_func = torch.nn.MSELoss()
optim = torch.optim.SGD(model.parameters(), lr=0.1)
### define x and target data
### for example, if x = [0, 0] --> target =[0]
### x = [1, 0] --> target = [1]
### make 4 input as one input data
### for example, x = [[0,0], [1,0]] is 2 input data
x = torch.tensor([[0.,0.], [1.,0.], [0.,1.], [1.,1.]])
target = torch.tensor([[0.], [1.], [1.], [0.]])

```

In [36]:

```

for i in range(10000): # choose your own number of epochs
    y = model(x)
    loss = loss_func(target, y)
    optim.zero_grad()
    loss.backward()
    optim.step()
y

```

Out[36]:

```

tensor([[0.2947],
        [0.7523],
        [0.4590],
        [0.5199]], grad_fn=<SigmoidBackward0>)

```

**What we just did is something strange. We gave answers to the models and checked by questioning the same question.**

**What our model wants to do is to adapt to newly asked questions!**

**We should make train dataset, validation dataset and test dataset!**

**We use train dataset only for training and tune our hyperparameter with validation dataset.**

**Finally, we evaluate our model with test dataset**

**we can't evaluate with our model with titanic dataset --> Today, we will evaluate with validation dataset**

In [37]:

```

# from sklearn.model_selection import train_test_split # We used train_test split function imple
mented by scikit-learn library
# X_train, X_test, Y_train, Y_test = train_test_split(
#     x_train, y_train, test_size=0.2, random_state=42) # We divide the data into 8:2

train = TensorDataset(x_train, y_train)
train_dataloader = DataLoader(train, batch_size = 64, shuffle=True)
valid = TensorDataset(x_valid, y_valid)
valid_dataloader = DataLoader(valid, batch_size = 64, shuffle=False)

```

In [38]:

```
for i, data in enumerate(train_dataloader): # we can use the batch data like this!
    x, y = data
    print(i, x.shape, y.shape)
```

```
0 torch.Size([64, 10]) torch.Size([64, 1])
1 torch.Size([64, 10]) torch.Size([64, 1])
2 torch.Size([64, 10]) torch.Size([64, 1])
3 torch.Size([64, 10]) torch.Size([64, 1])
4 torch.Size([64, 10]) torch.Size([64, 1])
5 torch.Size([64, 10]) torch.Size([64, 1])
6 torch.Size([64, 10]) torch.Size([64, 1])
7 torch.Size([64, 10]) torch.Size([64, 1])
8 torch.Size([64, 10]) torch.Size([64, 1])
9 torch.Size([47, 10]) torch.Size([47, 1])
```

## Finally, let's apply Feed Forward Network on our titanic data

**For the classification dataset, we can't use MSE as our loss function.**

**Therefore, we use the Cross Entropy Loss function**

$$L_{BCE} = -\frac{1}{n} \sum_{i=1}^n (Y_i \cdot \log \hat{Y}_i + (1 - Y_i) \cdot \log (1 - \hat{Y}_i))$$

$Y_i$  is the target value and  $\hat{Y}_i$  is the predicted value of the model

In [39]:

```
x_train.shape # as we can see, there are 10 input features(dimensions)
```

Out[39]:

```
torch.Size([623, 10])
```

In [40]:

```
loss_func = torch.nn.BCELoss() # Pytorch already implemented Cross Entropy Loss for us
```

#### Problem 4 (10 point)

***Make your own class again to apply the titanic data***

***Please define more than 1 hidden layers***

In [41]:

```
class Titanic_layer(torch.nn.Module):
    def __init__(self):
        super(Titanic_layer, self).__init__()
        ## define your own layers!
        self.MLP1 = torch.nn.Linear(10, 20)
        self.MLP2 = torch.nn.Linear(20, 8)
        self.MLP3 = torch.nn.Linear(8, 1)

    def forward(self, x):
        # define the forward function
        y = self.MLP1(x)
        y = torch.nn.functional.sigmoid(y)
        y = self.MLP2(y)
        y = torch.nn.functional.sigmoid(y)
        y = self.MLP3(y)
        y = torch.nn.functional.sigmoid(y)

        return y
```

In [42]:

```
# If you defined our model, you can just run this cell and next cell to check the accuracy of your model
epoches = 10000      # please write your own epoch
model = Titanic_layer()
optim = torch.optim.SGD(model.parameters(), lr = 0.05)
batch_len = len(train_dataloader)
```



In [43]:

```
for epoch in range(1, epoches+1):
    mean_loss = 0
    for i, data in enumerate(train_dataloader):
        x, target = data
        x = torch.tensor(x, dtype=torch.float32)
        y = model(x)
        target = torch.tensor(target, dtype=torch.float32)
        loss = loss_func(y, target)
        mean_loss += loss
        optim.zero_grad()
        loss.backward()
        optim.step()
    mean_loss /= batch_len
    print(f'Epoch: {epoch}, Train Loss: {mean_loss}')
```

스트리밍 출력 내용이 길어서 마지막 5000줄이 삭제되었습니다.

Epoch: 5001, Train Loss: 0.3597027659416199  
Epoch: 5002, Train Loss: 0.358466774225235  
Epoch: 5003, Train Loss: 0.36110424995422363  
Epoch: 5004, Train Loss: 0.3662237823009491  
Epoch: 5005, Train Loss: 0.3625270128250122  
Epoch: 5006, Train Loss: 0.3590642511844635  
Epoch: 5007, Train Loss: 0.3691292405128479  
Epoch: 5008, Train Loss: 0.35898539423942566  
Epoch: 5009, Train Loss: 0.3637412190437317  
Epoch: 5010, Train Loss: 0.3612871766090393  
Epoch: 5011, Train Loss: 0.3644520044326782  
Epoch: 5012, Train Loss: 0.359007328748703  
Epoch: 5013, Train Loss: 0.36315757036209106  
Epoch: 5014, Train Loss: 0.35837557911872864  
Epoch: 5015, Train Loss: 0.3620365858078003  
Epoch: 5016, Train Loss: 0.36039724946022034  
Epoch: 5017, Train Loss: 0.3618522584438324  
Epoch: 5018, Train Loss: 0.3613242506980896  
Epoch: 5019, Train Loss: 0.3616885542869568  
Epoch: 5020, Train Loss: 0.36436665058135986  
Epoch: 5021, Train Loss: 0.3657332956790924  
Epoch: 5022, Train Loss: 0.363094300031662  
Epoch: 5023, Train Loss: 0.3652825951576233  
Epoch: 5024, Train Loss: 0.3622733950614929  
Epoch: 5025, Train Loss: 0.3611854910850525  
Epoch: 5026, Train Loss: 0.35973256826400757  
Epoch: 5027, Train Loss: 0.3632500171661377  
Epoch: 5028, Train Loss: 0.3616916537284851  
Epoch: 5029, Train Loss: 0.3630296587944031  
Epoch: 5030, Train Loss: 0.36297234892845154  
Epoch: 5031, Train Loss: 0.3601642847061157  
Epoch: 5032, Train Loss: 0.3600827157497406  
Epoch: 5033, Train Loss: 0.35877683758735657  
Epoch: 5034, Train Loss: 0.36393028497695923  
Epoch: 5035, Train Loss: 0.3590892553329468  
Epoch: 5036, Train Loss: 0.36143824458122253  
Epoch: 5037, Train Loss: 0.3624317944049835  
Epoch: 5038, Train Loss: 0.362617552280426  
Epoch: 5039, Train Loss: 0.3634520173072815  
Epoch: 5040, Train Loss: 0.3652961552143097  
Epoch: 5041, Train Loss: 0.360013484954834  
Epoch: 5042, Train Loss: 0.36048635840415955  
Epoch: 5043, Train Loss: 0.3589315712451935  
Epoch: 5044, Train Loss: 0.3645496368408203  
Epoch: 5045, Train Loss: 0.36254268884658813  
Epoch: 5046, Train Loss: 0.3625394403934479  
Epoch: 5047, Train Loss: 0.363616406917572  
Epoch: 5048, Train Loss: 0.36124759912490845  
Epoch: 5049, Train Loss: 0.35958704352378845  
Epoch: 5050, Train Loss: 0.3609384596347809  
Epoch: 5051, Train Loss: 0.3601338863372803  
Epoch: 5052, Train Loss: 0.36236244440078735  
Epoch: 5053, Train Loss: 0.3589666485786438  
Epoch: 5054, Train Loss: 0.3612559139728546  
Epoch: 5055, Train Loss: 0.36379021406173706  
Epoch: 5056, Train Loss: 0.36670780181884766  
Epoch: 5057, Train Loss: 0.3640368580818176  
Epoch: 5058, Train Loss: 0.36257338523864746  
Epoch: 5059, Train Loss: 0.3626425266265869  
Epoch: 5060, Train Loss: 0.35967668890953064

Epoch: 5061, Train Loss: 0.3636813759803772  
Epoch: 5062, Train Loss: 0.362493097782135  
Epoch: 5063, Train Loss: 0.3613753616809845  
Epoch: 5064, Train Loss: 0.3613901138305664  
Epoch: 5065, Train Loss: 0.35961952805519104  
Epoch: 5066, Train Loss: 0.3619707226753235  
Epoch: 5067, Train Loss: 0.36215537786483765  
Epoch: 5068, Train Loss: 0.36186257004737854  
Epoch: 5069, Train Loss: 0.36253830790519714  
Epoch: 5070, Train Loss: 0.361825555562973  
Epoch: 5071, Train Loss: 0.36185771226882935  
Epoch: 5072, Train Loss: 0.36246052384376526  
Epoch: 5073, Train Loss: 0.35879141092300415  
Epoch: 5074, Train Loss: 0.36902594566345215  
Epoch: 5075, Train Loss: 0.36067402362823486  
Epoch: 5076, Train Loss: 0.3605288863182068  
Epoch: 5077, Train Loss: 0.3601721227169037  
Epoch: 5078, Train Loss: 0.36366406083106995  
Epoch: 5079, Train Loss: 0.358627587556839  
Epoch: 5080, Train Loss: 0.3624763786792755  
Epoch: 5081, Train Loss: 0.3659549355506897  
Epoch: 5082, Train Loss: 0.362568736076355  
Epoch: 5083, Train Loss: 0.36546725034713745  
Epoch: 5084, Train Loss: 0.36505717039108276  
Epoch: 5085, Train Loss: 0.36030852794647217  
Epoch: 5086, Train Loss: 0.3621588349342346  
Epoch: 5087, Train Loss: 0.36461955308914185  
Epoch: 5088, Train Loss: 0.3606509566307068  
Epoch: 5089, Train Loss: 0.3587353229522705  
Epoch: 5090, Train Loss: 0.3580188751220703  
Epoch: 5091, Train Loss: 0.3635452091693878  
Epoch: 5092, Train Loss: 0.36200636625289917  
Epoch: 5093, Train Loss: 0.3603285551071167  
Epoch: 5094, Train Loss: 0.35783857107162476  
Epoch: 5095, Train Loss: 0.361316442489624  
Epoch: 5096, Train Loss: 0.36250680685043335  
Epoch: 5097, Train Loss: 0.36084988713264465  
Epoch: 5098, Train Loss: 0.3599535822868347  
Epoch: 5099, Train Loss: 0.3582744002342224  
Epoch: 5100, Train Loss: 0.3653530776500702  
Epoch: 5101, Train Loss: 0.35946905612945557  
Epoch: 5102, Train Loss: 0.36256304383277893  
Epoch: 5103, Train Loss: 0.3587370812892914  
Epoch: 5104, Train Loss: 0.3603898286819458  
Epoch: 5105, Train Loss: 0.3631688058376312  
Epoch: 5106, Train Loss: 0.36537161469459534  
Epoch: 5107, Train Loss: 0.3607761561870575  
Epoch: 5108, Train Loss: 0.36188411712646484  
Epoch: 5109, Train Loss: 0.35942861437797546  
Epoch: 5110, Train Loss: 0.3610410690307617  
Epoch: 5111, Train Loss: 0.3614848256111145  
Epoch: 5112, Train Loss: 0.3566855788230896  
Epoch: 5113, Train Loss: 0.35887205600738525  
Epoch: 5114, Train Loss: 0.3668363690376282  
Epoch: 5115, Train Loss: 0.36275848746299744  
Epoch: 5116, Train Loss: 0.35742753744125366  
Epoch: 5117, Train Loss: 0.3625497817993164  
Epoch: 5118, Train Loss: 0.357652872800827  
Epoch: 5119, Train Loss: 0.3577222228050232  
Epoch: 5120, Train Loss: 0.3594887852668762  
Epoch: 5121, Train Loss: 0.3593992292881012

Epoch: 5122, Train Loss: 0.3644427955150604  
Epoch: 5123, Train Loss: 0.35863158106803894  
Epoch: 5124, Train Loss: 0.3597780466079712  
Epoch: 5125, Train Loss: 0.3604396879673004  
Epoch: 5126, Train Loss: 0.3617244362831116  
Epoch: 5127, Train Loss: 0.35808658599853516  
Epoch: 5128, Train Loss: 0.36024758219718933  
Epoch: 5129, Train Loss: 0.3581025004386902  
Epoch: 5130, Train Loss: 0.36426979303359985  
Epoch: 5131, Train Loss: 0.35658177733421326  
Epoch: 5132, Train Loss: 0.3592347204685211  
Epoch: 5133, Train Loss: 0.36137622594833374  
Epoch: 5134, Train Loss: 0.35907313227653503  
Epoch: 5135, Train Loss: 0.36259984970092773  
Epoch: 5136, Train Loss: 0.36070001125335693  
Epoch: 5137, Train Loss: 0.35582879185676575  
Epoch: 5138, Train Loss: 0.36334723234176636  
Epoch: 5139, Train Loss: 0.3602449595928192  
Epoch: 5140, Train Loss: 0.3594202995300293  
Epoch: 5141, Train Loss: 0.3616354465484619  
Epoch: 5142, Train Loss: 0.35910719633102417  
Epoch: 5143, Train Loss: 0.35989245772361755  
Epoch: 5144, Train Loss: 0.36143356561660767  
Epoch: 5145, Train Loss: 0.36386698484420776  
Epoch: 5146, Train Loss: 0.36137688159942627  
Epoch: 5147, Train Loss: 0.362815797328949  
Epoch: 5148, Train Loss: 0.36151233315467834  
Epoch: 5149, Train Loss: 0.35968345403671265  
Epoch: 5150, Train Loss: 0.3598845601081848  
Epoch: 5151, Train Loss: 0.3614882230758667  
Epoch: 5152, Train Loss: 0.364139199256897  
Epoch: 5153, Train Loss: 0.36005353927612305  
Epoch: 5154, Train Loss: 0.361877977848053  
Epoch: 5155, Train Loss: 0.35953444242477417  
Epoch: 5156, Train Loss: 0.3574286103248596  
Epoch: 5157, Train Loss: 0.3599478006362915  
Epoch: 5158, Train Loss: 0.35955822467803955  
Epoch: 5159, Train Loss: 0.36087584495544434  
Epoch: 5160, Train Loss: 0.36250877380371094  
Epoch: 5161, Train Loss: 0.35611510276794434  
Epoch: 5162, Train Loss: 0.3574950397014618  
Epoch: 5163, Train Loss: 0.3581532835960388  
Epoch: 5164, Train Loss: 0.35865655541419983  
Epoch: 5165, Train Loss: 0.36166122555732727  
Epoch: 5166, Train Loss: 0.36002153158187866  
Epoch: 5167, Train Loss: 0.3591648042201996  
Epoch: 5168, Train Loss: 0.357658714056015  
Epoch: 5169, Train Loss: 0.3619422912597656  
Epoch: 5170, Train Loss: 0.3591182827949524  
Epoch: 5171, Train Loss: 0.36078280210494995  
Epoch: 5172, Train Loss: 0.36261940002441406  
Epoch: 5173, Train Loss: 0.3604583442211151  
Epoch: 5174, Train Loss: 0.3585289418697357  
Epoch: 5175, Train Loss: 0.3601159453392029  
Epoch: 5176, Train Loss: 0.36276522278785706  
Epoch: 5177, Train Loss: 0.3586817979812622  
Epoch: 5178, Train Loss: 0.36057740449905396  
Epoch: 5179, Train Loss: 0.3621772229671478  
Epoch: 5180, Train Loss: 0.35749292373657227  
Epoch: 5181, Train Loss: 0.36017176508903503  
Epoch: 5182, Train Loss: 0.35979998111724854

Epoch: 5183, Train Loss: 0.3571099042892456  
Epoch: 5184, Train Loss: 0.36286458373069763  
Epoch: 5185, Train Loss: 0.35959669947624207  
Epoch: 5186, Train Loss: 0.35889339447021484  
Epoch: 5187, Train Loss: 0.36359235644340515  
Epoch: 5188, Train Loss: 0.36044496297836304  
Epoch: 5189, Train Loss: 0.3588412404060364  
Epoch: 5190, Train Loss: 0.36408331990242004  
Epoch: 5191, Train Loss: 0.3613930344581604  
Epoch: 5192, Train Loss: 0.3600829243659973  
Epoch: 5193, Train Loss: 0.3580417037010193  
Epoch: 5194, Train Loss: 0.3612399995326996  
Epoch: 5195, Train Loss: 0.363536536693573  
Epoch: 5196, Train Loss: 0.3623185455799103  
Epoch: 5197, Train Loss: 0.3586502969264984  
Epoch: 5198, Train Loss: 0.36044254899024963  
Epoch: 5199, Train Loss: 0.36309686303138733  
Epoch: 5200, Train Loss: 0.36159926652908325  
Epoch: 5201, Train Loss: 0.36142054200172424  
Epoch: 5202, Train Loss: 0.358247309923172  
Epoch: 5203, Train Loss: 0.35965484380722046  
Epoch: 5204, Train Loss: 0.35969796776771545  
Epoch: 5205, Train Loss: 0.3630771040916443  
Epoch: 5206, Train Loss: 0.3572533428668976  
Epoch: 5207, Train Loss: 0.3653559982776642  
Epoch: 5208, Train Loss: 0.36123842000961304  
Epoch: 5209, Train Loss: 0.3573058247566223  
Epoch: 5210, Train Loss: 0.3587900698184967  
Epoch: 5211, Train Loss: 0.3603754937648773  
Epoch: 5212, Train Loss: 0.3608519732952118  
Epoch: 5213, Train Loss: 0.3626214563846588  
Epoch: 5214, Train Loss: 0.35978782176971436  
Epoch: 5215, Train Loss: 0.36318910121917725  
Epoch: 5216, Train Loss: 0.3648605942726135  
Epoch: 5217, Train Loss: 0.3585682511329651  
Epoch: 5218, Train Loss: 0.3602955937385559  
Epoch: 5219, Train Loss: 0.36158454418182373  
Epoch: 5220, Train Loss: 0.35845521092414856  
Epoch: 5221, Train Loss: 0.36039257049560547  
Epoch: 5222, Train Loss: 0.3603270649909973  
Epoch: 5223, Train Loss: 0.3583284020423889  
Epoch: 5224, Train Loss: 0.3608103394508362  
Epoch: 5225, Train Loss: 0.3615489900112152  
Epoch: 5226, Train Loss: 0.36071401834487915  
Epoch: 5227, Train Loss: 0.3569093644618988  
Epoch: 5228, Train Loss: 0.3600854277610779  
Epoch: 5229, Train Loss: 0.36176323890686035  
Epoch: 5230, Train Loss: 0.35916638374328613  
Epoch: 5231, Train Loss: 0.3594135642051697  
Epoch: 5232, Train Loss: 0.35525935888290405  
Epoch: 5233, Train Loss: 0.35952603816986084  
Epoch: 5234, Train Loss: 0.3624711036682129  
Epoch: 5235, Train Loss: 0.3596688508987427  
Epoch: 5236, Train Loss: 0.36232876777648926  
Epoch: 5237, Train Loss: 0.35880792140960693  
Epoch: 5238, Train Loss: 0.3582357168197632  
Epoch: 5239, Train Loss: 0.3578190505504608  
Epoch: 5240, Train Loss: 0.3585112690925598  
Epoch: 5241, Train Loss: 0.3571781516075134  
Epoch: 5242, Train Loss: 0.35883912444114685  
Epoch: 5243, Train Loss: 0.3586873710155487

Epoch: 5244, Train Loss: 0.3605901896953583  
Epoch: 5245, Train Loss: 0.360676109790802  
Epoch: 5246, Train Loss: 0.3608039915561676  
Epoch: 5247, Train Loss: 0.36038273572921753  
Epoch: 5248, Train Loss: 0.3654971718788147  
Epoch: 5249, Train Loss: 0.36035311222076416  
Epoch: 5250, Train Loss: 0.3601033389568329  
Epoch: 5251, Train Loss: 0.35720890760421753  
Epoch: 5252, Train Loss: 0.3626450002193451  
Epoch: 5253, Train Loss: 0.3576296269893646  
Epoch: 5254, Train Loss: 0.3626267611980438  
Epoch: 5255, Train Loss: 0.3561287224292755  
Epoch: 5256, Train Loss: 0.3614340126514435  
Epoch: 5257, Train Loss: 0.3615213632583618  
Epoch: 5258, Train Loss: 0.3604516386985779  
Epoch: 5259, Train Loss: 0.3597523272037506  
Epoch: 5260, Train Loss: 0.36235907673835754  
Epoch: 5261, Train Loss: 0.3587492108345032  
Epoch: 5262, Train Loss: 0.35925599932670593  
Epoch: 5263, Train Loss: 0.3638531565666199  
Epoch: 5264, Train Loss: 0.36539727449417114  
Epoch: 5265, Train Loss: 0.36262500286102295  
Epoch: 5266, Train Loss: 0.359711617231369  
Epoch: 5267, Train Loss: 0.35954612493515015  
Epoch: 5268, Train Loss: 0.3610812723636627  
Epoch: 5269, Train Loss: 0.35774746537208557  
Epoch: 5270, Train Loss: 0.35771360993385315  
Epoch: 5271, Train Loss: 0.3596590459346771  
Epoch: 5272, Train Loss: 0.36153578758239746  
Epoch: 5273, Train Loss: 0.35835564136505127  
Epoch: 5274, Train Loss: 0.35772210359573364  
Epoch: 5275, Train Loss: 0.3595500588417053  
Epoch: 5276, Train Loss: 0.3590295910835266  
Epoch: 5277, Train Loss: 0.35902300477027893  
Epoch: 5278, Train Loss: 0.36043721437454224  
Epoch: 5279, Train Loss: 0.3560764193534851  
Epoch: 5280, Train Loss: 0.35946303606033325  
Epoch: 5281, Train Loss: 0.36100834608078003  
Epoch: 5282, Train Loss: 0.358227401971817  
Epoch: 5283, Train Loss: 0.3595338463783264  
Epoch: 5284, Train Loss: 0.36135798692703247  
Epoch: 5285, Train Loss: 0.3588966429233551  
Epoch: 5286, Train Loss: 0.35932666063308716  
Epoch: 5287, Train Loss: 0.35876134037971497  
Epoch: 5288, Train Loss: 0.36278191208839417  
Epoch: 5289, Train Loss: 0.3623014986515045  
Epoch: 5290, Train Loss: 0.36001449823379517  
Epoch: 5291, Train Loss: 0.3607509732246399  
Epoch: 5292, Train Loss: 0.3564518988132477  
Epoch: 5293, Train Loss: 0.36103275418281555  
Epoch: 5294, Train Loss: 0.3624178469181061  
Epoch: 5295, Train Loss: 0.36105531454086304  
Epoch: 5296, Train Loss: 0.35541144013404846  
Epoch: 5297, Train Loss: 0.36004146933555603  
Epoch: 5298, Train Loss: 0.3598378598690033  
Epoch: 5299, Train Loss: 0.35988277196884155  
Epoch: 5300, Train Loss: 0.35628002882003784  
Epoch: 5301, Train Loss: 0.35873547196388245  
Epoch: 5302, Train Loss: 0.364440381526947  
Epoch: 5303, Train Loss: 0.36055058240890503  
Epoch: 5304, Train Loss: 0.3587782084941864

Epoch: 5305, Train Loss: 0.36061331629753113  
Epoch: 5306, Train Loss: 0.36132773756980896  
Epoch: 5307, Train Loss: 0.36053726077079773  
Epoch: 5308, Train Loss: 0.356859028339386  
Epoch: 5309, Train Loss: 0.360056608915329  
Epoch: 5310, Train Loss: 0.3592652678489685  
Epoch: 5311, Train Loss: 0.35771825909614563  
Epoch: 5312, Train Loss: 0.3610556721687317  
Epoch: 5313, Train Loss: 0.3614184260368347  
Epoch: 5314, Train Loss: 0.36063092947006226  
Epoch: 5315, Train Loss: 0.3596400320529938  
Epoch: 5316, Train Loss: 0.36235764622688293  
Epoch: 5317, Train Loss: 0.36035388708114624  
Epoch: 5318, Train Loss: 0.36175084114074707  
Epoch: 5319, Train Loss: 0.3586282432079315  
Epoch: 5320, Train Loss: 0.35728463530540466  
Epoch: 5321, Train Loss: 0.36358579993247986  
Epoch: 5322, Train Loss: 0.35562577843666077  
Epoch: 5323, Train Loss: 0.35699790716171265  
Epoch: 5324, Train Loss: 0.36022672057151794  
Epoch: 5325, Train Loss: 0.36121588945388794  
Epoch: 5326, Train Loss: 0.36114051938056946  
Epoch: 5327, Train Loss: 0.36116573214530945  
Epoch: 5328, Train Loss: 0.36241814494132996  
Epoch: 5329, Train Loss: 0.36764997243881226  
Epoch: 5330, Train Loss: 0.36307471990585327  
Epoch: 5331, Train Loss: 0.35994672775268555  
Epoch: 5332, Train Loss: 0.3586573600769043  
Epoch: 5333, Train Loss: 0.36184850335121155  
Epoch: 5334, Train Loss: 0.36298778653144836  
Epoch: 5335, Train Loss: 0.35763686895370483  
Epoch: 5336, Train Loss: 0.3585318326950073  
Epoch: 5337, Train Loss: 0.3593538999557495  
Epoch: 5338, Train Loss: 0.3603750169277191  
Epoch: 5339, Train Loss: 0.3597490191459656  
Epoch: 5340, Train Loss: 0.358226478099823  
Epoch: 5341, Train Loss: 0.36116302013397217  
Epoch: 5342, Train Loss: 0.3597780466079712  
Epoch: 5343, Train Loss: 0.36289116740226746  
Epoch: 5344, Train Loss: 0.35824400186538696  
Epoch: 5345, Train Loss: 0.3587479293346405  
Epoch: 5346, Train Loss: 0.35584673285484314  
Epoch: 5347, Train Loss: 0.3644822835922241  
Epoch: 5348, Train Loss: 0.36259058117866516  
Epoch: 5349, Train Loss: 0.3614725172519684  
Epoch: 5350, Train Loss: 0.3569512367248535  
Epoch: 5351, Train Loss: 0.35979753732681274  
Epoch: 5352, Train Loss: 0.3592873215675354  
Epoch: 5353, Train Loss: 0.3601807653903961  
Epoch: 5354, Train Loss: 0.3588835597038269  
Epoch: 5355, Train Loss: 0.36028847098350525  
Epoch: 5356, Train Loss: 0.35911813378334045  
Epoch: 5357, Train Loss: 0.3570863604545593  
Epoch: 5358, Train Loss: 0.35789725184440613  
Epoch: 5359, Train Loss: 0.3611963391304016  
Epoch: 5360, Train Loss: 0.3588038384914398  
Epoch: 5361, Train Loss: 0.3577476739883423  
Epoch: 5362, Train Loss: 0.357247531414032  
Epoch: 5363, Train Loss: 0.3583201467990875  
Epoch: 5364, Train Loss: 0.35552728176116943  
Epoch: 5365, Train Loss: 0.3578597903251648

Epoch: 5366, Train Loss: 0.3597883880138397  
Epoch: 5367, Train Loss: 0.3609830439090729  
Epoch: 5368, Train Loss: 0.36301255226135254  
Epoch: 5369, Train Loss: 0.36286574602127075  
Epoch: 5370, Train Loss: 0.35558831691741943  
Epoch: 5371, Train Loss: 0.35986924171447754  
Epoch: 5372, Train Loss: 0.36092686653137207  
Epoch: 5373, Train Loss: 0.36007821559906006  
Epoch: 5374, Train Loss: 0.3600420355796814  
Epoch: 5375, Train Loss: 0.35894590616226196  
Epoch: 5376, Train Loss: 0.3570798337459564  
Epoch: 5377, Train Loss: 0.36553430557250977  
Epoch: 5378, Train Loss: 0.3581775426864624  
Epoch: 5379, Train Loss: 0.3591911792755127  
Epoch: 5380, Train Loss: 0.36637741327285767  
Epoch: 5381, Train Loss: 0.3651476502418518  
Epoch: 5382, Train Loss: 0.35690706968307495  
Epoch: 5383, Train Loss: 0.35943087935447693  
Epoch: 5384, Train Loss: 0.3591318428516388  
Epoch: 5385, Train Loss: 0.3597939908504486  
Epoch: 5386, Train Loss: 0.3589692711830139  
Epoch: 5387, Train Loss: 0.3593516945838928  
Epoch: 5388, Train Loss: 0.35729795694351196  
Epoch: 5389, Train Loss: 0.3612865209579468  
Epoch: 5390, Train Loss: 0.3589652180671692  
Epoch: 5391, Train Loss: 0.3608856797218323  
Epoch: 5392, Train Loss: 0.35978513956069946  
Epoch: 5393, Train Loss: 0.35950034856796265  
Epoch: 5394, Train Loss: 0.36229172348976135  
Epoch: 5395, Train Loss: 0.3575723171234131  
Epoch: 5396, Train Loss: 0.3571690320968628  
Epoch: 5397, Train Loss: 0.3605797290802002  
Epoch: 5398, Train Loss: 0.36375436186790466  
Epoch: 5399, Train Loss: 0.35723015666007996  
Epoch: 5400, Train Loss: 0.3603889048099518  
Epoch: 5401, Train Loss: 0.36014026403427124  
Epoch: 5402, Train Loss: 0.3582116961479187  
Epoch: 5403, Train Loss: 0.355522483587265  
Epoch: 5404, Train Loss: 0.35932090878486633  
Epoch: 5405, Train Loss: 0.36296048760414124  
Epoch: 5406, Train Loss: 0.3580985963344574  
Epoch: 5407, Train Loss: 0.3642103374004364  
Epoch: 5408, Train Loss: 0.36372560262680054  
Epoch: 5409, Train Loss: 0.35956913232803345  
Epoch: 5410, Train Loss: 0.3571855127811432  
Epoch: 5411, Train Loss: 0.3569646179676056  
Epoch: 5412, Train Loss: 0.3597410023212433  
Epoch: 5413, Train Loss: 0.35839349031448364  
Epoch: 5414, Train Loss: 0.3580358624458313  
Epoch: 5415, Train Loss: 0.3577922582626343  
Epoch: 5416, Train Loss: 0.3577699661254883  
Epoch: 5417, Train Loss: 0.3632381856441498  
Epoch: 5418, Train Loss: 0.35929858684539795  
Epoch: 5419, Train Loss: 0.3572550415992737  
Epoch: 5420, Train Loss: 0.3614954352378845  
Epoch: 5421, Train Loss: 0.35923734307289124  
Epoch: 5422, Train Loss: 0.362030565738678  
Epoch: 5423, Train Loss: 0.35734453797340393  
Epoch: 5424, Train Loss: 0.35633546113967896  
Epoch: 5425, Train Loss: 0.36346060037612915  
Epoch: 5426, Train Loss: 0.3608534634113312



Epoch: 5427, Train Loss: 0.3589092791080475  
Epoch: 5428, Train Loss: 0.35718968510627747  
Epoch: 5429, Train Loss: 0.356558233499527  
Epoch: 5430, Train Loss: 0.3586929738521576  
Epoch: 5431, Train Loss: 0.3604680597782135  
Epoch: 5432, Train Loss: 0.36026543378829956  
Epoch: 5433, Train Loss: 0.36114501953125  
Epoch: 5434, Train Loss: 0.3568926155567169  
Epoch: 5435, Train Loss: 0.35976266860961914  
Epoch: 5436, Train Loss: 0.3573110103607178  
Epoch: 5437, Train Loss: 0.35876134037971497  
Epoch: 5438, Train Loss: 0.3583003878593445  
Epoch: 5439, Train Loss: 0.3603900969028473  
Epoch: 5440, Train Loss: 0.35938137769699097  
Epoch: 5441, Train Loss: 0.3557876646518707  
Epoch: 5442, Train Loss: 0.35972005128860474  
Epoch: 5443, Train Loss: 0.35894522070884705  
Epoch: 5444, Train Loss: 0.3604138493537903  
Epoch: 5445, Train Loss: 0.35942643880844116  
Epoch: 5446, Train Loss: 0.3591439127922058  
Epoch: 5447, Train Loss: 0.3585473597049713  
Epoch: 5448, Train Loss: 0.3599209189414978  
Epoch: 5449, Train Loss: 0.360152006149292  
Epoch: 5450, Train Loss: 0.36012035608291626  
Epoch: 5451, Train Loss: 0.3558027148246765  
Epoch: 5452, Train Loss: 0.3562649190425873  
Epoch: 5453, Train Loss: 0.3602273762226105  
Epoch: 5454, Train Loss: 0.358623743057251  
Epoch: 5455, Train Loss: 0.35900118947029114  
Epoch: 5456, Train Loss: 0.3572746813297272  
Epoch: 5457, Train Loss: 0.35822802782058716  
Epoch: 5458, Train Loss: 0.35968366265296936  
Epoch: 5459, Train Loss: 0.35801807045936584  
Epoch: 5460, Train Loss: 0.36048856377601624  
Epoch: 5461, Train Loss: 0.3575666844844818  
Epoch: 5462, Train Loss: 0.36345160007476807  
Epoch: 5463, Train Loss: 0.3585560917854309  
Epoch: 5464, Train Loss: 0.36078304052352905  
Epoch: 5465, Train Loss: 0.3582250773906708  
Epoch: 5466, Train Loss: 0.35862046480178833  
Epoch: 5467, Train Loss: 0.35820284485816956  
Epoch: 5468, Train Loss: 0.36949631571769714  
Epoch: 5469, Train Loss: 0.36490678787231445  
Epoch: 5470, Train Loss: 0.36125725507736206  
Epoch: 5471, Train Loss: 0.3589225113391876  
Epoch: 5472, Train Loss: 0.3603047728538513  
Epoch: 5473, Train Loss: 0.3634541630744934  
Epoch: 5474, Train Loss: 0.3559790849685669  
Epoch: 5475, Train Loss: 0.3573620915412903  
Epoch: 5476, Train Loss: 0.3615362346172333  
Epoch: 5477, Train Loss: 0.363874226808548  
Epoch: 5478, Train Loss: 0.3586868643760681  
Epoch: 5479, Train Loss: 0.3579534590244293  
Epoch: 5480, Train Loss: 0.36005622148513794  
Epoch: 5481, Train Loss: 0.36053434014320374  
Epoch: 5482, Train Loss: 0.3585215210914612  
Epoch: 5483, Train Loss: 0.36072489619255066  
Epoch: 5484, Train Loss: 0.3578355610370636  
Epoch: 5485, Train Loss: 0.35922086238861084  
Epoch: 5486, Train Loss: 0.35786572098731995  
Epoch: 5487, Train Loss: 0.35987570881843567

Epoch: 5488, Train Loss: 0.3568531274795532  
Epoch: 5489, Train Loss: 0.35941973328590393  
Epoch: 5490, Train Loss: 0.3568941056728363  
Epoch: 5491, Train Loss: 0.3579355776309967  
Epoch: 5492, Train Loss: 0.35685935616493225  
Epoch: 5493, Train Loss: 0.35550475120544434  
Epoch: 5494, Train Loss: 0.3596479892730713  
Epoch: 5495, Train Loss: 0.3591940999031067  
Epoch: 5496, Train Loss: 0.3540697991847992  
Epoch: 5497, Train Loss: 0.36003363132476807  
Epoch: 5498, Train Loss: 0.3587496876716614  
Epoch: 5499, Train Loss: 0.3561948835849762  
Epoch: 5500, Train Loss: 0.3574616312980652  
Epoch: 5501, Train Loss: 0.35898929834365845  
Epoch: 5502, Train Loss: 0.3629298210144043  
Epoch: 5503, Train Loss: 0.355491042137146  
Epoch: 5504, Train Loss: 0.36054331064224243  
Epoch: 5505, Train Loss: 0.3581062853336334  
Epoch: 5506, Train Loss: 0.3595086634159088  
Epoch: 5507, Train Loss: 0.3587576746940613  
Epoch: 5508, Train Loss: 0.3572098910808563  
Epoch: 5509, Train Loss: 0.35442471504211426  
Epoch: 5510, Train Loss: 0.3595203161239624  
Epoch: 5511, Train Loss: 0.35894155502319336  
Epoch: 5512, Train Loss: 0.3592031002044678  
Epoch: 5513, Train Loss: 0.36056044697761536  
Epoch: 5514, Train Loss: 0.3591315746307373  
Epoch: 5515, Train Loss: 0.3552040159702301  
Epoch: 5516, Train Loss: 0.35903996229171753  
Epoch: 5517, Train Loss: 0.356533944606781  
Epoch: 5518, Train Loss: 0.36013349890708923  
Epoch: 5519, Train Loss: 0.3598170280456543  
Epoch: 5520, Train Loss: 0.36002567410469055  
Epoch: 5521, Train Loss: 0.35814934968948364  
Epoch: 5522, Train Loss: 0.36091357469558716  
Epoch: 5523, Train Loss: 0.3601924777030945  
Epoch: 5524, Train Loss: 0.3578072190284729  
Epoch: 5525, Train Loss: 0.35856518149375916  
Epoch: 5526, Train Loss: 0.3564516603946686  
Epoch: 5527, Train Loss: 0.35685354471206665  
Epoch: 5528, Train Loss: 0.3598327040672302  
Epoch: 5529, Train Loss: 0.3575097620487213  
Epoch: 5530, Train Loss: 0.35745152831077576  
Epoch: 5531, Train Loss: 0.35807672142982483  
Epoch: 5532, Train Loss: 0.3589479923248291  
Epoch: 5533, Train Loss: 0.35821372270584106  
Epoch: 5534, Train Loss: 0.3596382141113281  
Epoch: 5535, Train Loss: 0.3565910756587982  
Epoch: 5536, Train Loss: 0.35476240515708923  
Epoch: 5537, Train Loss: 0.35570165514945984  
Epoch: 5538, Train Loss: 0.35810256004333496  
Epoch: 5539, Train Loss: 0.3576027750968933  
Epoch: 5540, Train Loss: 0.35793572664260864  
Epoch: 5541, Train Loss: 0.3587043285369873  
Epoch: 5542, Train Loss: 0.3591713309288025  
Epoch: 5543, Train Loss: 0.35715174674987793  
Epoch: 5544, Train Loss: 0.3562849760055542  
Epoch: 5545, Train Loss: 0.35707128047943115  
Epoch: 5546, Train Loss: 0.3589482009410858  
Epoch: 5547, Train Loss: 0.3553410768508911  
Epoch: 5548, Train Loss: 0.3576169013977051

Epoch: 5549, Train Loss: 0.358197420835495  
Epoch: 5550, Train Loss: 0.3574954867362976  
Epoch: 5551, Train Loss: 0.3569644093513489  
Epoch: 5552, Train Loss: 0.3574458956718445  
Epoch: 5553, Train Loss: 0.36128300428390503  
Epoch: 5554, Train Loss: 0.35651278495788574  
Epoch: 5555, Train Loss: 0.35655778646469116  
Epoch: 5556, Train Loss: 0.36081135272979736  
Epoch: 5557, Train Loss: 0.3573974668979645  
Epoch: 5558, Train Loss: 0.3585807979106903  
Epoch: 5559, Train Loss: 0.35412073135375977  
Epoch: 5560, Train Loss: 0.3616703748703003  
Epoch: 5561, Train Loss: 0.35759931802749634  
Epoch: 5562, Train Loss: 0.3555399775505066  
Epoch: 5563, Train Loss: 0.36096543073654175  
Epoch: 5564, Train Loss: 0.3610818684101105  
Epoch: 5565, Train Loss: 0.35726398229599  
Epoch: 5566, Train Loss: 0.35627174377441406  
Epoch: 5567, Train Loss: 0.35774752497673035  
Epoch: 5568, Train Loss: 0.35946300625801086  
Epoch: 5569, Train Loss: 0.3555794656276703  
Epoch: 5570, Train Loss: 0.3547841012477875  
Epoch: 5571, Train Loss: 0.36189284920692444  
Epoch: 5572, Train Loss: 0.3598334789276123  
Epoch: 5573, Train Loss: 0.35607439279556274  
Epoch: 5574, Train Loss: 0.3553137183189392  
Epoch: 5575, Train Loss: 0.35512691736221313  
Epoch: 5576, Train Loss: 0.3594183027744293  
Epoch: 5577, Train Loss: 0.3544103503227234  
Epoch: 5578, Train Loss: 0.36479514837265015  
Epoch: 5579, Train Loss: 0.3573938012123108  
Epoch: 5580, Train Loss: 0.35938772559165955  
Epoch: 5581, Train Loss: 0.35703200101852417  
Epoch: 5582, Train Loss: 0.354585200548172  
Epoch: 5583, Train Loss: 0.35555991530418396  
Epoch: 5584, Train Loss: 0.364568293094635  
Epoch: 5585, Train Loss: 0.3605768084526062  
Epoch: 5586, Train Loss: 0.3556309640407562  
Epoch: 5587, Train Loss: 0.35589635372161865  
Epoch: 5588, Train Loss: 0.36008840799331665  
Epoch: 5589, Train Loss: 0.35655656456947327  
Epoch: 5590, Train Loss: 0.36347126960754395  
Epoch: 5591, Train Loss: 0.36404064297676086  
Epoch: 5592, Train Loss: 0.3608483374118805  
Epoch: 5593, Train Loss: 0.3561170697212219  
Epoch: 5594, Train Loss: 0.36073073744773865  
Epoch: 5595, Train Loss: 0.35323911905288696  
Epoch: 5596, Train Loss: 0.3574148416519165  
Epoch: 5597, Train Loss: 0.35907676815986633  
Epoch: 5598, Train Loss: 0.3565748631954193  
Epoch: 5599, Train Loss: 0.3543528914451599  
Epoch: 5600, Train Loss: 0.3532275855541229  
Epoch: 5601, Train Loss: 0.3593321442604065  
Epoch: 5602, Train Loss: 0.3580930829048157  
Epoch: 5603, Train Loss: 0.3544297218322754  
Epoch: 5604, Train Loss: 0.35680314898490906  
Epoch: 5605, Train Loss: 0.35697445273399353  
Epoch: 5606, Train Loss: 0.35905489325523376  
Epoch: 5607, Train Loss: 0.3633803725242615  
Epoch: 5608, Train Loss: 0.35555288195610046  
Epoch: 5609, Train Loss: 0.35665157437324524

Epoch: 5610, Train Loss: 0.3575711250305176  
Epoch: 5611, Train Loss: 0.35749828815460205  
Epoch: 5612, Train Loss: 0.35570985078811646  
Epoch: 5613, Train Loss: 0.35713961720466614  
Epoch: 5614, Train Loss: 0.35934895277023315  
Epoch: 5615, Train Loss: 0.35584908723831177  
Epoch: 5616, Train Loss: 0.3544747233390808  
Epoch: 5617, Train Loss: 0.35885053873062134  
Epoch: 5618, Train Loss: 0.3603806495666504  
Epoch: 5619, Train Loss: 0.3556142747402191  
Epoch: 5620, Train Loss: 0.35861945152282715  
Epoch: 5621, Train Loss: 0.3601887822151184  
Epoch: 5622, Train Loss: 0.35492634773254395  
Epoch: 5623, Train Loss: 0.35999196767807007  
Epoch: 5624, Train Loss: 0.35461556911468506  
Epoch: 5625, Train Loss: 0.3591324985027313  
Epoch: 5626, Train Loss: 0.3595825135707855  
Epoch: 5627, Train Loss: 0.356720894575119  
Epoch: 5628, Train Loss: 0.3592389225959778  
Epoch: 5629, Train Loss: 0.35521000623703003  
Epoch: 5630, Train Loss: 0.35753732919692993  
Epoch: 5631, Train Loss: 0.3617697060108185  
Epoch: 5632, Train Loss: 0.3608839809894562  
Epoch: 5633, Train Loss: 0.3661288022994995  
Epoch: 5634, Train Loss: 0.3577457070350647  
Epoch: 5635, Train Loss: 0.35716208815574646  
Epoch: 5636, Train Loss: 0.35896557569503784  
Epoch: 5637, Train Loss: 0.35658568143844604  
Epoch: 5638, Train Loss: 0.35784319043159485  
Epoch: 5639, Train Loss: 0.35647261142730713  
Epoch: 5640, Train Loss: 0.3561524450778961  
Epoch: 5641, Train Loss: 0.3606911599636078  
Epoch: 5642, Train Loss: 0.35484522581100464  
Epoch: 5643, Train Loss: 0.35741662979125977  
Epoch: 5644, Train Loss: 0.3596971929073334  
Epoch: 5645, Train Loss: 0.36381131410598755  
Epoch: 5646, Train Loss: 0.35904592275619507  
Epoch: 5647, Train Loss: 0.3557264804840088  
Epoch: 5648, Train Loss: 0.3565841317176819  
Epoch: 5649, Train Loss: 0.3561280071735382  
Epoch: 5650, Train Loss: 0.3595258295536041  
Epoch: 5651, Train Loss: 0.36141863465309143  
Epoch: 5652, Train Loss: 0.3559105694293976  
Epoch: 5653, Train Loss: 0.3530641198158264  
Epoch: 5654, Train Loss: 0.35700902342796326  
Epoch: 5655, Train Loss: 0.35818055272102356  
Epoch: 5656, Train Loss: 0.3563857674598694  
Epoch: 5657, Train Loss: 0.35574281215667725  
Epoch: 5658, Train Loss: 0.3557421565055847  
Epoch: 5659, Train Loss: 0.357886403799057  
Epoch: 5660, Train Loss: 0.3570863902568817  
Epoch: 5661, Train Loss: 0.35831961035728455  
Epoch: 5662, Train Loss: 0.35632258653640747  
Epoch: 5663, Train Loss: 0.35790279507637024  
Epoch: 5664, Train Loss: 0.35168036818504333  
Epoch: 5665, Train Loss: 0.35721924901008606  
Epoch: 5666, Train Loss: 0.35527142882347107  
Epoch: 5667, Train Loss: 0.3563902974128723  
Epoch: 5668, Train Loss: 0.36076194047927856  
Epoch: 5669, Train Loss: 0.3573038876056671  
Epoch: 5670, Train Loss: 0.35925590991973877

Epoch: 5671, Train Loss: 0.3541591763496399  
Epoch: 5672, Train Loss: 0.35470712184906006  
Epoch: 5673, Train Loss: 0.3568725883960724  
Epoch: 5674, Train Loss: 0.3584919571876526  
Epoch: 5675, Train Loss: 0.3572385609149933  
Epoch: 5676, Train Loss: 0.35606300830841064  
Epoch: 5677, Train Loss: 0.35862475633621216  
Epoch: 5678, Train Loss: 0.3574800193309784  
Epoch: 5679, Train Loss: 0.3581305742263794  
Epoch: 5680, Train Loss: 0.3600703179836273  
Epoch: 5681, Train Loss: 0.358881413936615  
Epoch: 5682, Train Loss: 0.35907182097435  
Epoch: 5683, Train Loss: 0.356979638338089  
Epoch: 5684, Train Loss: 0.3571002185344696  
Epoch: 5685, Train Loss: 0.3581417202949524  
Epoch: 5686, Train Loss: 0.35316091775894165  
Epoch: 5687, Train Loss: 0.3558536469936371  
Epoch: 5688, Train Loss: 0.3547748029232025  
Epoch: 5689, Train Loss: 0.36031606793403625  
Epoch: 5690, Train Loss: 0.3561857342720032  
Epoch: 5691, Train Loss: 0.3533754050731659  
Epoch: 5692, Train Loss: 0.359066903591156  
Epoch: 5693, Train Loss: 0.359153151512146  
Epoch: 5694, Train Loss: 0.35596001148223877  
Epoch: 5695, Train Loss: 0.35700273513793945  
Epoch: 5696, Train Loss: 0.3554953932762146  
Epoch: 5697, Train Loss: 0.35770562291145325  
Epoch: 5698, Train Loss: 0.3590346872806549  
Epoch: 5699, Train Loss: 0.35630297660827637  
Epoch: 5700, Train Loss: 0.358195424079895  
Epoch: 5701, Train Loss: 0.35337498784065247  
Epoch: 5702, Train Loss: 0.35931268334388733  
Epoch: 5703, Train Loss: 0.3579758107662201  
Epoch: 5704, Train Loss: 0.36128485202789307  
Epoch: 5705, Train Loss: 0.35863712430000305  
Epoch: 5706, Train Loss: 0.35593175888061523  
Epoch: 5707, Train Loss: 0.36013540625572205  
Epoch: 5708, Train Loss: 0.3585299849510193  
Epoch: 5709, Train Loss: 0.35748952627182007  
Epoch: 5710, Train Loss: 0.3536834418773651  
Epoch: 5711, Train Loss: 0.3547635078430176  
Epoch: 5712, Train Loss: 0.359248548746109  
Epoch: 5713, Train Loss: 0.3553929626941681  
Epoch: 5714, Train Loss: 0.35720816254615784  
Epoch: 5715, Train Loss: 0.35580021142959595  
Epoch: 5716, Train Loss: 0.35360610485076904  
Epoch: 5717, Train Loss: 0.35697120428085327  
Epoch: 5718, Train Loss: 0.35498183965682983  
Epoch: 5719, Train Loss: 0.35388264060020447  
Epoch: 5720, Train Loss: 0.35788244009017944  
Epoch: 5721, Train Loss: 0.35725998878479004  
Epoch: 5722, Train Loss: 0.35950806736946106  
Epoch: 5723, Train Loss: 0.35793548822402954  
Epoch: 5724, Train Loss: 0.35637563467025757  
Epoch: 5725, Train Loss: 0.35541731119155884  
Epoch: 5726, Train Loss: 0.35557782649993896  
Epoch: 5727, Train Loss: 0.3557053208351135  
Epoch: 5728, Train Loss: 0.35543760657310486  
Epoch: 5729, Train Loss: 0.35728320479393005  
Epoch: 5730, Train Loss: 0.35422423481941223  
Epoch: 5731, Train Loss: 0.3609009087085724

Epoch: 5732, Train Loss: 0.35513946413993835  
Epoch: 5733, Train Loss: 0.355821430683136  
Epoch: 5734, Train Loss: 0.353020042181015  
Epoch: 5735, Train Loss: 0.3566494286060333  
Epoch: 5736, Train Loss: 0.3581060767173767  
Epoch: 5737, Train Loss: 0.35568878054618835  
Epoch: 5738, Train Loss: 0.356866717338562  
Epoch: 5739, Train Loss: 0.354825496673584  
Epoch: 5740, Train Loss: 0.3530566692352295  
Epoch: 5741, Train Loss: 0.3563082814216614  
Epoch: 5742, Train Loss: 0.3586280047893524  
Epoch: 5743, Train Loss: 0.363865464925766  
Epoch: 5744, Train Loss: 0.3552165925502777  
Epoch: 5745, Train Loss: 0.3543129563331604  
Epoch: 5746, Train Loss: 0.35396021604537964  
Epoch: 5747, Train Loss: 0.35544103384017944  
Epoch: 5748, Train Loss: 0.3593348562717438  
Epoch: 5749, Train Loss: 0.35618266463279724  
Epoch: 5750, Train Loss: 0.36152932047843933  
Epoch: 5751, Train Loss: 0.3546159267425537  
Epoch: 5752, Train Loss: 0.3543119728565216  
Epoch: 5753, Train Loss: 0.35954299569129944  
Epoch: 5754, Train Loss: 0.3572474420070648  
Epoch: 5755, Train Loss: 0.3565874695777893  
Epoch: 5756, Train Loss: 0.35528451204299927  
Epoch: 5757, Train Loss: 0.3571532368659973  
Epoch: 5758, Train Loss: 0.35594284534454346  
Epoch: 5759, Train Loss: 0.3546889126300812  
Epoch: 5760, Train Loss: 0.35563451051712036  
Epoch: 5761, Train Loss: 0.35438278317451477  
Epoch: 5762, Train Loss: 0.35582584142684937  
Epoch: 5763, Train Loss: 0.35539108514785767  
Epoch: 5764, Train Loss: 0.36079180240631104  
Epoch: 5765, Train Loss: 0.35497498512268066  
Epoch: 5766, Train Loss: 0.3574557304382324  
Epoch: 5767, Train Loss: 0.35498812794685364  
Epoch: 5768, Train Loss: 0.35547909140586853  
Epoch: 5769, Train Loss: 0.35524433851242065  
Epoch: 5770, Train Loss: 0.36378365755081177  
Epoch: 5771, Train Loss: 0.3552851676940918  
Epoch: 5772, Train Loss: 0.35637035965919495  
Epoch: 5773, Train Loss: 0.3541583716869354  
Epoch: 5774, Train Loss: 0.3553718328475952  
Epoch: 5775, Train Loss: 0.3578410744667053  
Epoch: 5776, Train Loss: 0.35774001479148865  
Epoch: 5777, Train Loss: 0.35134902596473694  
Epoch: 5778, Train Loss: 0.3573612570762634  
Epoch: 5779, Train Loss: 0.3607911467552185  
Epoch: 5780, Train Loss: 0.3583483099937439  
Epoch: 5781, Train Loss: 0.359108030796051  
Epoch: 5782, Train Loss: 0.35703396797180176  
Epoch: 5783, Train Loss: 0.3524753451347351  
Epoch: 5784, Train Loss: 0.3557778000831604  
Epoch: 5785, Train Loss: 0.357024610042572  
Epoch: 5786, Train Loss: 0.3538854718208313  
Epoch: 5787, Train Loss: 0.35244283080101013  
Epoch: 5788, Train Loss: 0.3567679822444916  
Epoch: 5789, Train Loss: 0.3567558228969574  
Epoch: 5790, Train Loss: 0.35730355978012085  
Epoch: 5791, Train Loss: 0.35591012239456177  
Epoch: 5792, Train Loss: 0.35447782278060913

Epoch: 5793, Train Loss: 0.35786300897598267  
Epoch: 5794, Train Loss: 0.35535767674446106  
Epoch: 5795, Train Loss: 0.3544677197933197  
Epoch: 5796, Train Loss: 0.3567846417427063  
Epoch: 5797, Train Loss: 0.3579060137271881  
Epoch: 5798, Train Loss: 0.358539879322052  
Epoch: 5799, Train Loss: 0.35481521487236023  
Epoch: 5800, Train Loss: 0.35433095693588257  
Epoch: 5801, Train Loss: 0.3588780164718628  
Epoch: 5802, Train Loss: 0.3547223210334778  
Epoch: 5803, Train Loss: 0.35820308327674866  
Epoch: 5804, Train Loss: 0.3589099943637848  
Epoch: 5805, Train Loss: 0.35491591691970825  
Epoch: 5806, Train Loss: 0.3565619885921478  
Epoch: 5807, Train Loss: 0.36070701479911804  
Epoch: 5808, Train Loss: 0.3548128008842468  
Epoch: 5809, Train Loss: 0.35430285334587097  
Epoch: 5810, Train Loss: 0.35661429166793823  
Epoch: 5811, Train Loss: 0.35469457507133484  
Epoch: 5812, Train Loss: 0.3611415922641754  
Epoch: 5813, Train Loss: 0.35362109541893005  
Epoch: 5814, Train Loss: 0.3608832061290741  
Epoch: 5815, Train Loss: 0.3570302724838257  
Epoch: 5816, Train Loss: 0.3580150008201599  
Epoch: 5817, Train Loss: 0.35715556144714355  
Epoch: 5818, Train Loss: 0.357863187789917  
Epoch: 5819, Train Loss: 0.3579728901386261  
Epoch: 5820, Train Loss: 0.3561627268791199  
Epoch: 5821, Train Loss: 0.3541432023048401  
Epoch: 5822, Train Loss: 0.3564273715019226  
Epoch: 5823, Train Loss: 0.35330528020858765  
Epoch: 5824, Train Loss: 0.35528790950775146  
Epoch: 5825, Train Loss: 0.3554469347000122  
Epoch: 5826, Train Loss: 0.3554459512233734  
Epoch: 5827, Train Loss: 0.3545200228691101  
Epoch: 5828, Train Loss: 0.35500049591064453  
Epoch: 5829, Train Loss: 0.3571898341178894  
Epoch: 5830, Train Loss: 0.35538843274116516  
Epoch: 5831, Train Loss: 0.3559337556362152  
Epoch: 5832, Train Loss: 0.356543630361557  
Epoch: 5833, Train Loss: 0.355570524930954  
Epoch: 5834, Train Loss: 0.35642558336257935  
Epoch: 5835, Train Loss: 0.3551558256149292  
Epoch: 5836, Train Loss: 0.3545158803462982  
Epoch: 5837, Train Loss: 0.35608160495758057  
Epoch: 5838, Train Loss: 0.3527539372444153  
Epoch: 5839, Train Loss: 0.3543948531150818  
Epoch: 5840, Train Loss: 0.35500070452690125  
Epoch: 5841, Train Loss: 0.3547258675098419  
Epoch: 5842, Train Loss: 0.35672733187675476  
Epoch: 5843, Train Loss: 0.3610665202140808  
Epoch: 5844, Train Loss: 0.35642141103744507  
Epoch: 5845, Train Loss: 0.35478001832962036  
Epoch: 5846, Train Loss: 0.35840630531311035  
Epoch: 5847, Train Loss: 0.35636457800865173  
Epoch: 5848, Train Loss: 0.3582264482975006  
Epoch: 5849, Train Loss: 0.3543437421321869  
Epoch: 5850, Train Loss: 0.35414496064186096  
Epoch: 5851, Train Loss: 0.3553484082221985  
Epoch: 5852, Train Loss: 0.3538665473461151  
Epoch: 5853, Train Loss: 0.3579334020614624

Epoch: 5854, Train Loss: 0.3523053526878357  
Epoch: 5855, Train Loss: 0.3559524118900299  
Epoch: 5856, Train Loss: 0.3565966486930847  
Epoch: 5857, Train Loss: 0.3540402054786682  
Epoch: 5858, Train Loss: 0.35600441694259644  
Epoch: 5859, Train Loss: 0.35574856400489807  
Epoch: 5860, Train Loss: 0.3537521958351135  
Epoch: 5861, Train Loss: 0.3564370274543762  
Epoch: 5862, Train Loss: 0.35862067341804504  
Epoch: 5863, Train Loss: 0.3537478446960449  
Epoch: 5864, Train Loss: 0.35574275255203247  
Epoch: 5865, Train Loss: 0.35352328419685364  
Epoch: 5866, Train Loss: 0.3541795313358307  
Epoch: 5867, Train Loss: 0.35272467136383057  
Epoch: 5868, Train Loss: 0.3545626997947693  
Epoch: 5869, Train Loss: 0.35391026735305786  
Epoch: 5870, Train Loss: 0.35888463258743286  
Epoch: 5871, Train Loss: 0.35702189803123474  
Epoch: 5872, Train Loss: 0.35327431559562683  
Epoch: 5873, Train Loss: 0.35635650157928467  
Epoch: 5874, Train Loss: 0.3588313162326813  
Epoch: 5875, Train Loss: 0.3572942316532135  
Epoch: 5876, Train Loss: 0.3540637493133545  
Epoch: 5877, Train Loss: 0.3550485074520111  
Epoch: 5878, Train Loss: 0.3574216365814209  
Epoch: 5879, Train Loss: 0.3528743386268616  
Epoch: 5880, Train Loss: 0.358318030834198  
Epoch: 5881, Train Loss: 0.35480424761772156  
Epoch: 5882, Train Loss: 0.3544214069843292  
Epoch: 5883, Train Loss: 0.355024516582489  
Epoch: 5884, Train Loss: 0.35395899415016174  
Epoch: 5885, Train Loss: 0.3529503047466278  
Epoch: 5886, Train Loss: 0.35493630170822144  
Epoch: 5887, Train Loss: 0.3539600968360901  
Epoch: 5888, Train Loss: 0.3553248643875122  
Epoch: 5889, Train Loss: 0.3559831380844116  
Epoch: 5890, Train Loss: 0.35455626249313354  
Epoch: 5891, Train Loss: 0.35515764355659485  
Epoch: 5892, Train Loss: 0.3597048223018646  
Epoch: 5893, Train Loss: 0.35427480936050415  
Epoch: 5894, Train Loss: 0.3567582070827484  
Epoch: 5895, Train Loss: 0.35709571838378906  
Epoch: 5896, Train Loss: 0.35687240958213806  
Epoch: 5897, Train Loss: 0.3531544506549835  
Epoch: 5898, Train Loss: 0.3551056385040283  
Epoch: 5899, Train Loss: 0.3532172739505768  
Epoch: 5900, Train Loss: 0.3551579415798187  
Epoch: 5901, Train Loss: 0.3540082573890686  
Epoch: 5902, Train Loss: 0.35281163454055786  
Epoch: 5903, Train Loss: 0.352914422750473  
Epoch: 5904, Train Loss: 0.35438138246536255  
Epoch: 5905, Train Loss: 0.3576619029045105  
Epoch: 5906, Train Loss: 0.3521386682987213  
Epoch: 5907, Train Loss: 0.3540080189704895  
Epoch: 5908, Train Loss: 0.3524220585823059  
Epoch: 5909, Train Loss: 0.356972873210907  
Epoch: 5910, Train Loss: 0.35720402002334595  
Epoch: 5911, Train Loss: 0.354645311832428  
Epoch: 5912, Train Loss: 0.356282502412796  
Epoch: 5913, Train Loss: 0.35523003339767456  
Epoch: 5914, Train Loss: 0.3587713837623596



Epoch: 5915, Train Loss: 0.3544984459877014  
Epoch: 5916, Train Loss: 0.35673463344573975  
Epoch: 5917, Train Loss: 0.3568621277809143  
Epoch: 5918, Train Loss: 0.35466688871383667  
Epoch: 5919, Train Loss: 0.3582350015640259  
Epoch: 5920, Train Loss: 0.3530501425266266  
Epoch: 5921, Train Loss: 0.3563917279243469  
Epoch: 5922, Train Loss: 0.3610163629055023  
Epoch: 5923, Train Loss: 0.35800108313560486  
Epoch: 5924, Train Loss: 0.35339581966400146  
Epoch: 5925, Train Loss: 0.35539117455482483  
Epoch: 5926, Train Loss: 0.35362690687179565  
Epoch: 5927, Train Loss: 0.35368266701698303  
Epoch: 5928, Train Loss: 0.35264891386032104  
Epoch: 5929, Train Loss: 0.35411250591278076  
Epoch: 5930, Train Loss: 0.3551858961582184  
Epoch: 5931, Train Loss: 0.35374709963798523  
Epoch: 5932, Train Loss: 0.35368186235427856  
Epoch: 5933, Train Loss: 0.35895174741744995  
Epoch: 5934, Train Loss: 0.35646671056747437  
Epoch: 5935, Train Loss: 0.3575807511806488  
Epoch: 5936, Train Loss: 0.35340017080307007  
Epoch: 5937, Train Loss: 0.35368120670318604  
Epoch: 5938, Train Loss: 0.35349804162979126  
Epoch: 5939, Train Loss: 0.35413312911987305  
Epoch: 5940, Train Loss: 0.35283163189888  
Epoch: 5941, Train Loss: 0.35329413414001465  
Epoch: 5942, Train Loss: 0.35377219319343567  
Epoch: 5943, Train Loss: 0.35485735535621643  
Epoch: 5944, Train Loss: 0.3547881841659546  
Epoch: 5945, Train Loss: 0.3541521430015564  
Epoch: 5946, Train Loss: 0.35478031635284424  
Epoch: 5947, Train Loss: 0.3556411862373352  
Epoch: 5948, Train Loss: 0.35357218980789185  
Epoch: 5949, Train Loss: 0.351761132478714  
Epoch: 5950, Train Loss: 0.35416820645332336  
Epoch: 5951, Train Loss: 0.3546869158744812  
Epoch: 5952, Train Loss: 0.3526015877723694  
Epoch: 5953, Train Loss: 0.3581749498844147  
Epoch: 5954, Train Loss: 0.34970587491989136  
Epoch: 5955, Train Loss: 0.35554999113082886  
Epoch: 5956, Train Loss: 0.35233762860298157  
Epoch: 5957, Train Loss: 0.3554720878601074  
Epoch: 5958, Train Loss: 0.35576939582824707  
Epoch: 5959, Train Loss: 0.36134982109069824  
Epoch: 5960, Train Loss: 0.34976285696029663  
Epoch: 5961, Train Loss: 0.35411685705184937  
Epoch: 5962, Train Loss: 0.3529372811317444  
Epoch: 5963, Train Loss: 0.357714980840683  
Epoch: 5964, Train Loss: 0.3566707670688629  
Epoch: 5965, Train Loss: 0.3553728461265564  
Epoch: 5966, Train Loss: 0.3516475558280945  
Epoch: 5967, Train Loss: 0.35761022567749023  
Epoch: 5968, Train Loss: 0.3543202877044678  
Epoch: 5969, Train Loss: 0.353094220161438  
Epoch: 5970, Train Loss: 0.3526163697242737  
Epoch: 5971, Train Loss: 0.35766395926475525  
Epoch: 5972, Train Loss: 0.35888779163360596  
Epoch: 5973, Train Loss: 0.3546566963195801  
Epoch: 5974, Train Loss: 0.35769858956336975  
Epoch: 5975, Train Loss: 0.35397452116012573

Epoch: 5976, Train Loss: 0.35415300726890564  
Epoch: 5977, Train Loss: 0.35224536061286926  
Epoch: 5978, Train Loss: 0.3559916019439697  
Epoch: 5979, Train Loss: 0.35784274339675903  
Epoch: 5980, Train Loss: 0.3586547374725342  
Epoch: 5981, Train Loss: 0.35784637928009033  
Epoch: 5982, Train Loss: 0.35782772302627563  
Epoch: 5983, Train Loss: 0.3534488081932068  
Epoch: 5984, Train Loss: 0.3548920452594757  
Epoch: 5985, Train Loss: 0.3531741201877594  
Epoch: 5986, Train Loss: 0.3541089594364166  
Epoch: 5987, Train Loss: 0.35106736421585083  
Epoch: 5988, Train Loss: 0.35427436232566833  
Epoch: 5989, Train Loss: 0.3561684489250183  
Epoch: 5990, Train Loss: 0.35394173860549927  
Epoch: 5991, Train Loss: 0.35144418478012085  
Epoch: 5992, Train Loss: 0.3526360094547272  
Epoch: 5993, Train Loss: 0.35818547010421753  
Epoch: 5994, Train Loss: 0.3553074598312378  
Epoch: 5995, Train Loss: 0.35183313488960266  
Epoch: 5996, Train Loss: 0.35404422879219055  
Epoch: 5997, Train Loss: 0.3530101180076599  
Epoch: 5998, Train Loss: 0.35269707441329956  
Epoch: 5999, Train Loss: 0.3555908799171448  
Epoch: 6000, Train Loss: 0.3548918664455414  
Epoch: 6001, Train Loss: 0.35446810722351074  
Epoch: 6002, Train Loss: 0.3549303114414215  
Epoch: 6003, Train Loss: 0.35693109035491943  
Epoch: 6004, Train Loss: 0.3537446856498718  
Epoch: 6005, Train Loss: 0.3528342545032501  
Epoch: 6006, Train Loss: 0.35666874051094055  
Epoch: 6007, Train Loss: 0.3539702296257019  
Epoch: 6008, Train Loss: 0.3591533303260803  
Epoch: 6009, Train Loss: 0.3552682399749756  
Epoch: 6010, Train Loss: 0.3545481264591217  
Epoch: 6011, Train Loss: 0.35511064529418945  
Epoch: 6012, Train Loss: 0.35177740454673767  
Epoch: 6013, Train Loss: 0.3548540771007538  
Epoch: 6014, Train Loss: 0.35267090797424316  
Epoch: 6015, Train Loss: 0.35316112637519836  
Epoch: 6016, Train Loss: 0.3562238812446594  
Epoch: 6017, Train Loss: 0.35816988348960876  
Epoch: 6018, Train Loss: 0.35600242018699646  
Epoch: 6019, Train Loss: 0.356658011674881  
Epoch: 6020, Train Loss: 0.35225802659988403  
Epoch: 6021, Train Loss: 0.35930752754211426  
Epoch: 6022, Train Loss: 0.35432735085487366  
Epoch: 6023, Train Loss: 0.3534143567085266  
Epoch: 6024, Train Loss: 0.3568739593029022  
Epoch: 6025, Train Loss: 0.35296720266342163  
Epoch: 6026, Train Loss: 0.35664334893226624  
Epoch: 6027, Train Loss: 0.3585231900215149  
Epoch: 6028, Train Loss: 0.3539906442165375  
Epoch: 6029, Train Loss: 0.35653817653656006  
Epoch: 6030, Train Loss: 0.3569890558719635  
Epoch: 6031, Train Loss: 0.35478419065475464  
Epoch: 6032, Train Loss: 0.3517354130744934  
Epoch: 6033, Train Loss: 0.35199546813964844  
Epoch: 6034, Train Loss: 0.35190102458000183  
Epoch: 6035, Train Loss: 0.35646986961364746  
Epoch: 6036, Train Loss: 0.35578328371047974

Epoch: 6037, Train Loss: 0.3554603159427643  
Epoch: 6038, Train Loss: 0.35220491886138916  
Epoch: 6039, Train Loss: 0.3514433205127716  
Epoch: 6040, Train Loss: 0.353813111782074  
Epoch: 6041, Train Loss: 0.3560539186000824  
Epoch: 6042, Train Loss: 0.35466039180755615  
Epoch: 6043, Train Loss: 0.3571220338344574  
Epoch: 6044, Train Loss: 0.35365527868270874  
Epoch: 6045, Train Loss: 0.3567238748073578  
Epoch: 6046, Train Loss: 0.35667434334754944  
Epoch: 6047, Train Loss: 0.35683387517929077  
Epoch: 6048, Train Loss: 0.35315215587615967  
Epoch: 6049, Train Loss: 0.3540695309638977  
Epoch: 6050, Train Loss: 0.35403597354888916  
Epoch: 6051, Train Loss: 0.35691046714782715  
Epoch: 6052, Train Loss: 0.3536917269229889  
Epoch: 6053, Train Loss: 0.35570698976516724  
Epoch: 6054, Train Loss: 0.35558077692985535  
Epoch: 6055, Train Loss: 0.3587662875652313  
Epoch: 6056, Train Loss: 0.3502747416496277  
Epoch: 6057, Train Loss: 0.3541717827320099  
Epoch: 6058, Train Loss: 0.357177734375  
Epoch: 6059, Train Loss: 0.35373207926750183  
Epoch: 6060, Train Loss: 0.35617828369140625  
Epoch: 6061, Train Loss: 0.3548737168312073  
Epoch: 6062, Train Loss: 0.3553704619407654  
Epoch: 6063, Train Loss: 0.3550439476966858  
Epoch: 6064, Train Loss: 0.35332736372947693  
Epoch: 6065, Train Loss: 0.35252755880355835  
Epoch: 6066, Train Loss: 0.3556765615940094  
Epoch: 6067, Train Loss: 0.35077300667762756  
Epoch: 6068, Train Loss: 0.3577159345149994  
Epoch: 6069, Train Loss: 0.35461968183517456  
Epoch: 6070, Train Loss: 0.354248583316803  
Epoch: 6071, Train Loss: 0.35482004284858704  
Epoch: 6072, Train Loss: 0.35310015082359314  
Epoch: 6073, Train Loss: 0.3553122878074646  
Epoch: 6074, Train Loss: 0.3545941710472107  
Epoch: 6075, Train Loss: 0.35364848375320435  
Epoch: 6076, Train Loss: 0.35201171040534973  
Epoch: 6077, Train Loss: 0.35098063945770264  
Epoch: 6078, Train Loss: 0.3566785752773285  
Epoch: 6079, Train Loss: 0.35020801424980164  
Epoch: 6080, Train Loss: 0.3576395809650421  
Epoch: 6081, Train Loss: 0.3494616150856018  
Epoch: 6082, Train Loss: 0.35363397002220154  
Epoch: 6083, Train Loss: 0.3517283499240875  
Epoch: 6084, Train Loss: 0.35157814621925354  
Epoch: 6085, Train Loss: 0.3527473509311676  
Epoch: 6086, Train Loss: 0.3530035614967346  
Epoch: 6087, Train Loss: 0.35883304476737976  
Epoch: 6088, Train Loss: 0.3605992794036865  
Epoch: 6089, Train Loss: 0.35345685482025146  
Epoch: 6090, Train Loss: 0.3565303683280945  
Epoch: 6091, Train Loss: 0.358464777469635  
Epoch: 6092, Train Loss: 0.35469454526901245  
Epoch: 6093, Train Loss: 0.3570704460144043  
Epoch: 6094, Train Loss: 0.35480648279190063  
Epoch: 6095, Train Loss: 0.3523828685283661  
Epoch: 6096, Train Loss: 0.3603430688381195  
Epoch: 6097, Train Loss: 0.353384792804718

Epoch: 6098, Train Loss: 0.35501497983932495  
Epoch: 6099, Train Loss: 0.3575862944126129  
Epoch: 6100, Train Loss: 0.3507310748100281  
Epoch: 6101, Train Loss: 0.3579055964946747  
Epoch: 6102, Train Loss: 0.35227251052856445  
Epoch: 6103, Train Loss: 0.3542937934398651  
Epoch: 6104, Train Loss: 0.35615628957748413  
Epoch: 6105, Train Loss: 0.3583749532699585  
Epoch: 6106, Train Loss: 0.3516383171081543  
Epoch: 6107, Train Loss: 0.35139042139053345  
Epoch: 6108, Train Loss: 0.35269132256507874  
Epoch: 6109, Train Loss: 0.35346561670303345  
Epoch: 6110, Train Loss: 0.3555527329444885  
Epoch: 6111, Train Loss: 0.3546698987483978  
Epoch: 6112, Train Loss: 0.3507882058620453  
Epoch: 6113, Train Loss: 0.35184091329574585  
Epoch: 6114, Train Loss: 0.3534853756427765  
Epoch: 6115, Train Loss: 0.3533034920692444  
Epoch: 6116, Train Loss: 0.35544607043266296  
Epoch: 6117, Train Loss: 0.35210201144218445  
Epoch: 6118, Train Loss: 0.3565814197063446  
Epoch: 6119, Train Loss: 0.3493613600730896  
Epoch: 6120, Train Loss: 0.3563380539417267  
Epoch: 6121, Train Loss: 0.3538329005241394  
Epoch: 6122, Train Loss: 0.3527175486087799  
Epoch: 6123, Train Loss: 0.35588377714157104  
Epoch: 6124, Train Loss: 0.3574730455875397  
Epoch: 6125, Train Loss: 0.3548874855041504  
Epoch: 6126, Train Loss: 0.3547956347465515  
Epoch: 6127, Train Loss: 0.3563404083251953  
Epoch: 6128, Train Loss: 0.35599368810653687  
Epoch: 6129, Train Loss: 0.3533581793308258  
Epoch: 6130, Train Loss: 0.3538525402545929  
Epoch: 6131, Train Loss: 0.354118287563324  
Epoch: 6132, Train Loss: 0.35375839471817017  
Epoch: 6133, Train Loss: 0.3556365668773651  
Epoch: 6134, Train Loss: 0.3542279005050659  
Epoch: 6135, Train Loss: 0.3518148958683014  
Epoch: 6136, Train Loss: 0.351483553647995  
Epoch: 6137, Train Loss: 0.3537023663520813  
Epoch: 6138, Train Loss: 0.35577720403671265  
Epoch: 6139, Train Loss: 0.35209572315216064  
Epoch: 6140, Train Loss: 0.3547470271587372  
Epoch: 6141, Train Loss: 0.3497106730937958  
Epoch: 6142, Train Loss: 0.3576813340187073  
Epoch: 6143, Train Loss: 0.354686439037323  
Epoch: 6144, Train Loss: 0.3560556471347809  
Epoch: 6145, Train Loss: 0.3510863184928894  
Epoch: 6146, Train Loss: 0.3560573160648346  
Epoch: 6147, Train Loss: 0.3572511076927185  
Epoch: 6148, Train Loss: 0.35255613923072815  
Epoch: 6149, Train Loss: 0.3545127809047699  
Epoch: 6150, Train Loss: 0.3568023145198822  
Epoch: 6151, Train Loss: 0.35441237688064575  
Epoch: 6152, Train Loss: 0.3532501459121704  
Epoch: 6153, Train Loss: 0.35775476694107056  
Epoch: 6154, Train Loss: 0.3516579866409302  
Epoch: 6155, Train Loss: 0.3602522611618042  
Epoch: 6156, Train Loss: 0.3527831435203552  
Epoch: 6157, Train Loss: 0.3542904555797577  
Epoch: 6158, Train Loss: 0.35440510511398315

Epoch: 6159, Train Loss: 0.3542343080043793  
Epoch: 6160, Train Loss: 0.352985680103302  
Epoch: 6161, Train Loss: 0.3539011478424072  
Epoch: 6162, Train Loss: 0.35422319173812866  
Epoch: 6163, Train Loss: 0.35398977994918823  
Epoch: 6164, Train Loss: 0.353727787733078  
Epoch: 6165, Train Loss: 0.3552609384059906  
Epoch: 6166, Train Loss: 0.35256457328796387  
Epoch: 6167, Train Loss: 0.35283908247947693  
Epoch: 6168, Train Loss: 0.352562814950943  
Epoch: 6169, Train Loss: 0.35153383016586304  
Epoch: 6170, Train Loss: 0.35183390974998474  
Epoch: 6171, Train Loss: 0.35210466384887695  
Epoch: 6172, Train Loss: 0.35155633091926575  
Epoch: 6173, Train Loss: 0.35611197352409363  
Epoch: 6174, Train Loss: 0.3531414568424225  
Epoch: 6175, Train Loss: 0.3558765947818756  
Epoch: 6176, Train Loss: 0.35221272706985474  
Epoch: 6177, Train Loss: 0.35243433713912964  
Epoch: 6178, Train Loss: 0.3561685085296631  
Epoch: 6179, Train Loss: 0.35390132665634155  
Epoch: 6180, Train Loss: 0.353766530752182  
Epoch: 6181, Train Loss: 0.3523939847946167  
Epoch: 6182, Train Loss: 0.3557281494140625  
Epoch: 6183, Train Loss: 0.35842466354370117  
Epoch: 6184, Train Loss: 0.3525177836418152  
Epoch: 6185, Train Loss: 0.35359054803848267  
Epoch: 6186, Train Loss: 0.35389283299446106  
Epoch: 6187, Train Loss: 0.35302498936653137  
Epoch: 6188, Train Loss: 0.3521454930305481  
Epoch: 6189, Train Loss: 0.35381966829299927  
Epoch: 6190, Train Loss: 0.35629862546920776  
Epoch: 6191, Train Loss: 0.35683473944664  
Epoch: 6192, Train Loss: 0.35253065824508667  
Epoch: 6193, Train Loss: 0.3534300923347473  
Epoch: 6194, Train Loss: 0.3531569540500641  
Epoch: 6195, Train Loss: 0.35711047053337097  
Epoch: 6196, Train Loss: 0.3537103533744812  
Epoch: 6197, Train Loss: 0.35571855306625366  
Epoch: 6198, Train Loss: 0.3531971275806427  
Epoch: 6199, Train Loss: 0.3527981638908386  
Epoch: 6200, Train Loss: 0.35576313734054565  
Epoch: 6201, Train Loss: 0.3549073338508606  
Epoch: 6202, Train Loss: 0.35225236415863037  
Epoch: 6203, Train Loss: 0.3546173870563507  
Epoch: 6204, Train Loss: 0.3551744222640991  
Epoch: 6205, Train Loss: 0.3509887158870697  
Epoch: 6206, Train Loss: 0.3565980792045593  
Epoch: 6207, Train Loss: 0.35528045892715454  
Epoch: 6208, Train Loss: 0.3489270806312561  
Epoch: 6209, Train Loss: 0.35375478863716125  
Epoch: 6210, Train Loss: 0.3541850447654724  
Epoch: 6211, Train Loss: 0.35444319248199463  
Epoch: 6212, Train Loss: 0.35255688428878784  
Epoch: 6213, Train Loss: 0.3543199896812439  
Epoch: 6214, Train Loss: 0.3523525893688202  
Epoch: 6215, Train Loss: 0.35337331891059875  
Epoch: 6216, Train Loss: 0.35290494561195374  
Epoch: 6217, Train Loss: 0.3576306998729706  
Epoch: 6218, Train Loss: 0.35816171765327454  
Epoch: 6219, Train Loss: 0.3553977310657501

Epoch: 6220, Train Loss: 0.35237008333206177  
Epoch: 6221, Train Loss: 0.35142287611961365  
Epoch: 6222, Train Loss: 0.35067981481552124  
Epoch: 6223, Train Loss: 0.35330522060394287  
Epoch: 6224, Train Loss: 0.3494202196598053  
Epoch: 6225, Train Loss: 0.3523426651954651  
Epoch: 6226, Train Loss: 0.35273146629333496  
Epoch: 6227, Train Loss: 0.3562604784965515  
Epoch: 6228, Train Loss: 0.3511011004447937  
Epoch: 6229, Train Loss: 0.3542293310165405  
Epoch: 6230, Train Loss: 0.3573252558708191  
Epoch: 6231, Train Loss: 0.35514459013938904  
Epoch: 6232, Train Loss: 0.35078176856040955  
Epoch: 6233, Train Loss: 0.35237354040145874  
Epoch: 6234, Train Loss: 0.3499275743961334  
Epoch: 6235, Train Loss: 0.3539464473724365  
Epoch: 6236, Train Loss: 0.35386642813682556  
Epoch: 6237, Train Loss: 0.35324758291244507  
Epoch: 6238, Train Loss: 0.35560542345046997  
Epoch: 6239, Train Loss: 0.354991614818573  
Epoch: 6240, Train Loss: 0.3494378626346588  
Epoch: 6241, Train Loss: 0.3499141335487366  
Epoch: 6242, Train Loss: 0.35479074716567993  
Epoch: 6243, Train Loss: 0.3577311038970947  
Epoch: 6244, Train Loss: 0.356952041387558  
Epoch: 6245, Train Loss: 0.34923499822616577  
Epoch: 6246, Train Loss: 0.35008302330970764  
Epoch: 6247, Train Loss: 0.3510676920413971  
Epoch: 6248, Train Loss: 0.35611286759376526  
Epoch: 6249, Train Loss: 0.35320615768432617  
Epoch: 6250, Train Loss: 0.3513181805610657  
Epoch: 6251, Train Loss: 0.3513295650482178  
Epoch: 6252, Train Loss: 0.3514980673789978  
Epoch: 6253, Train Loss: 0.35755425691604614  
Epoch: 6254, Train Loss: 0.353145956993103  
Epoch: 6255, Train Loss: 0.3539729416370392  
Epoch: 6256, Train Loss: 0.3530658483505249  
Epoch: 6257, Train Loss: 0.3544602394104004  
Epoch: 6258, Train Loss: 0.35292941331863403  
Epoch: 6259, Train Loss: 0.354058176279068  
Epoch: 6260, Train Loss: 0.35632604360580444  
Epoch: 6261, Train Loss: 0.3536621332168579  
Epoch: 6262, Train Loss: 0.3554070293903351  
Epoch: 6263, Train Loss: 0.35352402925491333  
Epoch: 6264, Train Loss: 0.3520723581314087  
Epoch: 6265, Train Loss: 0.35592254996299744  
Epoch: 6266, Train Loss: 0.3551497459411621  
Epoch: 6267, Train Loss: 0.357696533203125  
Epoch: 6268, Train Loss: 0.35421451926231384  
Epoch: 6269, Train Loss: 0.35406896471977234  
Epoch: 6270, Train Loss: 0.35170167684555054  
Epoch: 6271, Train Loss: 0.35248392820358276  
Epoch: 6272, Train Loss: 0.3544982671737671  
Epoch: 6273, Train Loss: 0.35507991909980774  
Epoch: 6274, Train Loss: 0.35126620531082153  
Epoch: 6275, Train Loss: 0.35204872488975525  
Epoch: 6276, Train Loss: 0.35149940848350525  
Epoch: 6277, Train Loss: 0.35388320684432983  
Epoch: 6278, Train Loss: 0.35250353813171387  
Epoch: 6279, Train Loss: 0.35418418049812317  
Epoch: 6280, Train Loss: 0.3519030213356018

Epoch: 6281, Train Loss: 0.35063427686691284  
Epoch: 6282, Train Loss: 0.3511984944343567  
Epoch: 6283, Train Loss: 0.3538021743297577  
Epoch: 6284, Train Loss: 0.3527638912200928  
Epoch: 6285, Train Loss: 0.35295534133911133  
Epoch: 6286, Train Loss: 0.35160523653030396  
Epoch: 6287, Train Loss: 0.352847695350647  
Epoch: 6288, Train Loss: 0.3484730124473572  
Epoch: 6289, Train Loss: 0.3535737097263336  
Epoch: 6290, Train Loss: 0.3536241352558136  
Epoch: 6291, Train Loss: 0.35382238030433655  
Epoch: 6292, Train Loss: 0.3515499532222748  
Epoch: 6293, Train Loss: 0.35191068053245544  
Epoch: 6294, Train Loss: 0.34865427017211914  
Epoch: 6295, Train Loss: 0.3548949360847473  
Epoch: 6296, Train Loss: 0.3505162298679352  
Epoch: 6297, Train Loss: 0.3510112464427948  
Epoch: 6298, Train Loss: 0.3540452718734741  
Epoch: 6299, Train Loss: 0.3528191149234772  
Epoch: 6300, Train Loss: 0.3538435399532318  
Epoch: 6301, Train Loss: 0.3490620255470276  
Epoch: 6302, Train Loss: 0.3516440987586975  
Epoch: 6303, Train Loss: 0.35411614179611206  
Epoch: 6304, Train Loss: 0.3534081280231476  
Epoch: 6305, Train Loss: 0.35314950346946716  
Epoch: 6306, Train Loss: 0.3546815812587738  
Epoch: 6307, Train Loss: 0.35232630372047424  
Epoch: 6308, Train Loss: 0.35379287600517273  
Epoch: 6309, Train Loss: 0.355491578578949  
Epoch: 6310, Train Loss: 0.3516003489494324  
Epoch: 6311, Train Loss: 0.35204294323921204  
Epoch: 6312, Train Loss: 0.3510679602622986  
Epoch: 6313, Train Loss: 0.35722726583480835  
Epoch: 6314, Train Loss: 0.3526999354362488  
Epoch: 6315, Train Loss: 0.3545946478843689  
Epoch: 6316, Train Loss: 0.35036227107048035  
Epoch: 6317, Train Loss: 0.35023975372314453  
Epoch: 6318, Train Loss: 0.3520553708076477  
Epoch: 6319, Train Loss: 0.3520689606666565  
Epoch: 6320, Train Loss: 0.35382789373397827  
Epoch: 6321, Train Loss: 0.3513794541358948  
Epoch: 6322, Train Loss: 0.3532930016517639  
Epoch: 6323, Train Loss: 0.35034745931625366  
Epoch: 6324, Train Loss: 0.35208362340927124  
Epoch: 6325, Train Loss: 0.3541719317436218  
Epoch: 6326, Train Loss: 0.35266509652137756  
Epoch: 6327, Train Loss: 0.35398346185684204  
Epoch: 6328, Train Loss: 0.3540356755256653  
Epoch: 6329, Train Loss: 0.358015239238739  
Epoch: 6330, Train Loss: 0.3529804050922394  
Epoch: 6331, Train Loss: 0.350257933139801  
Epoch: 6332, Train Loss: 0.3503427505493164  
Epoch: 6333, Train Loss: 0.35742053389549255  
Epoch: 6334, Train Loss: 0.3526442348957062  
Epoch: 6335, Train Loss: 0.35696274042129517  
Epoch: 6336, Train Loss: 0.3514306843280792  
Epoch: 6337, Train Loss: 0.352565735578537  
Epoch: 6338, Train Loss: 0.35058557987213135  
Epoch: 6339, Train Loss: 0.3558082580566406  
Epoch: 6340, Train Loss: 0.3508653938770294  
Epoch: 6341, Train Loss: 0.35264962911605835

Epoch: 6342, Train Loss: 0.3567667305469513  
Epoch: 6343, Train Loss: 0.3507188558578491  
Epoch: 6344, Train Loss: 0.35148733854293823  
Epoch: 6345, Train Loss: 0.354099839925766  
Epoch: 6346, Train Loss: 0.35552680492401123  
Epoch: 6347, Train Loss: 0.3506975769996643  
Epoch: 6348, Train Loss: 0.3566402792930603  
Epoch: 6349, Train Loss: 0.35201960802078247  
Epoch: 6350, Train Loss: 0.35365861654281616  
Epoch: 6351, Train Loss: 0.3548090159893036  
Epoch: 6352, Train Loss: 0.35200560092926025  
Epoch: 6353, Train Loss: 0.35491812229156494  
Epoch: 6354, Train Loss: 0.3511369526386261  
Epoch: 6355, Train Loss: 0.35136815905570984  
Epoch: 6356, Train Loss: 0.3546708822250366  
Epoch: 6357, Train Loss: 0.35186904668807983  
Epoch: 6358, Train Loss: 0.35131797194480896  
Epoch: 6359, Train Loss: 0.3513217866420746  
Epoch: 6360, Train Loss: 0.3537669777870178  
Epoch: 6361, Train Loss: 0.35373836755752563  
Epoch: 6362, Train Loss: 0.35383841395378113  
Epoch: 6363, Train Loss: 0.3509318232536316  
Epoch: 6364, Train Loss: 0.34955182671546936  
Epoch: 6365, Train Loss: 0.35150831937789917  
Epoch: 6366, Train Loss: 0.3501531779766083  
Epoch: 6367, Train Loss: 0.35143059492111206  
Epoch: 6368, Train Loss: 0.35150307416915894  
Epoch: 6369, Train Loss: 0.35387903451919556  
Epoch: 6370, Train Loss: 0.35074320435523987  
Epoch: 6371, Train Loss: 0.34802743792533875  
Epoch: 6372, Train Loss: 0.35038241744041443  
Epoch: 6373, Train Loss: 0.34943121671676636  
Epoch: 6374, Train Loss: 0.3551805913448334  
Epoch: 6375, Train Loss: 0.3503253757953644  
Epoch: 6376, Train Loss: 0.351905882358551  
Epoch: 6377, Train Loss: 0.3507213890552521  
Epoch: 6378, Train Loss: 0.3484794497489929  
Epoch: 6379, Train Loss: 0.35391393303871155  
Epoch: 6380, Train Loss: 0.3525809347629547  
Epoch: 6381, Train Loss: 0.3529394865036011  
Epoch: 6382, Train Loss: 0.3489696681499481  
Epoch: 6383, Train Loss: 0.3519376814365387  
Epoch: 6384, Train Loss: 0.3531048595905304  
Epoch: 6385, Train Loss: 0.3483021855354309  
Epoch: 6386, Train Loss: 0.35478511452674866  
Epoch: 6387, Train Loss: 0.35589033365249634  
Epoch: 6388, Train Loss: 0.3559110462665558  
Epoch: 6389, Train Loss: 0.3512728810310364  
Epoch: 6390, Train Loss: 0.34888091683387756  
Epoch: 6391, Train Loss: 0.35333847999572754  
Epoch: 6392, Train Loss: 0.3534771203994751  
Epoch: 6393, Train Loss: 0.3481413722038269  
Epoch: 6394, Train Loss: 0.355849027633667  
Epoch: 6395, Train Loss: 0.35198917984962463  
Epoch: 6396, Train Loss: 0.35344094038009644  
Epoch: 6397, Train Loss: 0.350677490234375  
Epoch: 6398, Train Loss: 0.3502015173435211  
Epoch: 6399, Train Loss: 0.35123735666275024  
Epoch: 6400, Train Loss: 0.34965699911117554  
Epoch: 6401, Train Loss: 0.35583776235580444  
Epoch: 6402, Train Loss: 0.3526517450809479



Epoch: 6403, Train Loss: 0.3529454171657562  
Epoch: 6404, Train Loss: 0.3509165048599243  
Epoch: 6405, Train Loss: 0.3535476624965668  
Epoch: 6406, Train Loss: 0.351016104221344  
Epoch: 6407, Train Loss: 0.3551757037639618  
Epoch: 6408, Train Loss: 0.34919553995132446  
Epoch: 6409, Train Loss: 0.3538045287132263  
Epoch: 6410, Train Loss: 0.3493269085884094  
Epoch: 6411, Train Loss: 0.3529837131500244  
Epoch: 6412, Train Loss: 0.35319241881370544  
Epoch: 6413, Train Loss: 0.3528508245944977  
Epoch: 6414, Train Loss: 0.35279446840286255  
Epoch: 6415, Train Loss: 0.351885050535202  
Epoch: 6416, Train Loss: 0.35384929180145264  
Epoch: 6417, Train Loss: 0.351943701505661  
Epoch: 6418, Train Loss: 0.35283777117729187  
Epoch: 6419, Train Loss: 0.35123211145401  
Epoch: 6420, Train Loss: 0.35197970271110535  
Epoch: 6421, Train Loss: 0.3530781865119934  
Epoch: 6422, Train Loss: 0.35290613770484924  
Epoch: 6423, Train Loss: 0.35241442918777466  
Epoch: 6424, Train Loss: 0.3534998297691345  
Epoch: 6425, Train Loss: 0.3552296459674835  
Epoch: 6426, Train Loss: 0.3539188802242279  
Epoch: 6427, Train Loss: 0.3489868938922882  
Epoch: 6428, Train Loss: 0.3507201373577118  
Epoch: 6429, Train Loss: 0.3543439507484436  
Epoch: 6430, Train Loss: 0.3529707193374634  
Epoch: 6431, Train Loss: 0.35479360818862915  
Epoch: 6432, Train Loss: 0.35559776425361633  
Epoch: 6433, Train Loss: 0.35283470153808594  
Epoch: 6434, Train Loss: 0.3539751172065735  
Epoch: 6435, Train Loss: 0.35337454080581665  
Epoch: 6436, Train Loss: 0.35164952278137207  
Epoch: 6437, Train Loss: 0.351249635219574  
Epoch: 6438, Train Loss: 0.3481314778327942  
Epoch: 6439, Train Loss: 0.35127171874046326  
Epoch: 6440, Train Loss: 0.3540191054344177  
Epoch: 6441, Train Loss: 0.3510354161262512  
Epoch: 6442, Train Loss: 0.3494674563407898  
Epoch: 6443, Train Loss: 0.354238897562027  
Epoch: 6444, Train Loss: 0.34871721267700195  
Epoch: 6445, Train Loss: 0.3529248535633087  
Epoch: 6446, Train Loss: 0.352970689535141  
Epoch: 6447, Train Loss: 0.35594117641448975  
Epoch: 6448, Train Loss: 0.3525105118751526  
Epoch: 6449, Train Loss: 0.35309356451034546  
Epoch: 6450, Train Loss: 0.3507840931415558  
Epoch: 6451, Train Loss: 0.3533976674079895  
Epoch: 6452, Train Loss: 0.35173091292381287  
Epoch: 6453, Train Loss: 0.35013192892074585  
Epoch: 6454, Train Loss: 0.3547338545322418  
Epoch: 6455, Train Loss: 0.3532469570636749  
Epoch: 6456, Train Loss: 0.3502083420753479  
Epoch: 6457, Train Loss: 0.3532422184944153  
Epoch: 6458, Train Loss: 0.3489813506603241  
Epoch: 6459, Train Loss: 0.3521730601787567  
Epoch: 6460, Train Loss: 0.3526482880115509  
Epoch: 6461, Train Loss: 0.3529430031776428  
Epoch: 6462, Train Loss: 0.3533576428890228  
Epoch: 6463, Train Loss: 0.3553374707698822

Epoch: 6464, Train Loss: 0.35306936502456665  
Epoch: 6465, Train Loss: 0.34973376989364624  
Epoch: 6466, Train Loss: 0.35098785161972046  
Epoch: 6467, Train Loss: 0.3505057692527771  
Epoch: 6468, Train Loss: 0.3517005741596222  
Epoch: 6469, Train Loss: 0.35360264778137207  
Epoch: 6470, Train Loss: 0.3519399166107178  
Epoch: 6471, Train Loss: 0.35045570135116577  
Epoch: 6472, Train Loss: 0.3509446084499359  
Epoch: 6473, Train Loss: 0.35210442543029785  
Epoch: 6474, Train Loss: 0.35531550645828247  
Epoch: 6475, Train Loss: 0.3499308228492737  
Epoch: 6476, Train Loss: 0.3486970067024231  
Epoch: 6477, Train Loss: 0.35017111897468567  
Epoch: 6478, Train Loss: 0.3505992591381073  
Epoch: 6479, Train Loss: 0.3535563349723816  
Epoch: 6480, Train Loss: 0.3528406023979187  
Epoch: 6481, Train Loss: 0.35426437854766846  
Epoch: 6482, Train Loss: 0.3521500527858734  
Epoch: 6483, Train Loss: 0.3565179407596588  
Epoch: 6484, Train Loss: 0.35230502486228943  
Epoch: 6485, Train Loss: 0.3508165776729584  
Epoch: 6486, Train Loss: 0.3564620018005371  
Epoch: 6487, Train Loss: 0.34727397561073303  
Epoch: 6488, Train Loss: 0.3519551455974579  
Epoch: 6489, Train Loss: 0.3542303442955017  
Epoch: 6490, Train Loss: 0.35553473234176636  
Epoch: 6491, Train Loss: 0.35225480794906616  
Epoch: 6492, Train Loss: 0.3526943325996399  
Epoch: 6493, Train Loss: 0.35705938935279846  
Epoch: 6494, Train Loss: 0.35119202733039856  
Epoch: 6495, Train Loss: 0.35260728001594543  
Epoch: 6496, Train Loss: 0.3522713780403137  
Epoch: 6497, Train Loss: 0.35477590560913086  
Epoch: 6498, Train Loss: 0.35493287444114685  
Epoch: 6499, Train Loss: 0.3542649745941162  
Epoch: 6500, Train Loss: 0.3503284752368927  
Epoch: 6501, Train Loss: 0.35215625166893005  
Epoch: 6502, Train Loss: 0.3548460602760315  
Epoch: 6503, Train Loss: 0.3518398404121399  
Epoch: 6504, Train Loss: 0.3532017469406128  
Epoch: 6505, Train Loss: 0.35316213965415955  
Epoch: 6506, Train Loss: 0.3478323519229889  
Epoch: 6507, Train Loss: 0.35511514544487  
Epoch: 6508, Train Loss: 0.35123318433761597  
Epoch: 6509, Train Loss: 0.3502315580844879  
Epoch: 6510, Train Loss: 0.3526696562767029  
Epoch: 6511, Train Loss: 0.3500877320766449  
Epoch: 6512, Train Loss: 0.35057371854782104  
Epoch: 6513, Train Loss: 0.34976285696029663  
Epoch: 6514, Train Loss: 0.34751397371292114  
Epoch: 6515, Train Loss: 0.35043004155158997  
Epoch: 6516, Train Loss: 0.3506588041782379  
Epoch: 6517, Train Loss: 0.3536711037158966  
Epoch: 6518, Train Loss: 0.3502342104911804  
Epoch: 6519, Train Loss: 0.35331475734710693  
Epoch: 6520, Train Loss: 0.3540707230567932  
Epoch: 6521, Train Loss: 0.3532523810863495  
Epoch: 6522, Train Loss: 0.35230332612991333  
Epoch: 6523, Train Loss: 0.34992295503616333  
Epoch: 6524, Train Loss: 0.3577631413936615

Epoch: 6525, Train Loss: 0.35456883907318115  
Epoch: 6526, Train Loss: 0.3499775230884552  
Epoch: 6527, Train Loss: 0.35634928941726685  
Epoch: 6528, Train Loss: 0.3521049916744232  
Epoch: 6529, Train Loss: 0.3515036106109619  
Epoch: 6530, Train Loss: 0.3540481626987457  
Epoch: 6531, Train Loss: 0.35397055745124817  
Epoch: 6532, Train Loss: 0.35007017850875854  
Epoch: 6533, Train Loss: 0.35150283575057983  
Epoch: 6534, Train Loss: 0.3503207862377167  
Epoch: 6535, Train Loss: 0.357370525598526  
Epoch: 6536, Train Loss: 0.3546462655067444  
Epoch: 6537, Train Loss: 0.3531877398490906  
Epoch: 6538, Train Loss: 0.35153475403785706  
Epoch: 6539, Train Loss: 0.35194867849349976  
Epoch: 6540, Train Loss: 0.3491288423538208  
Epoch: 6541, Train Loss: 0.3523677587509155  
Epoch: 6542, Train Loss: 0.35218265652656555  
Epoch: 6543, Train Loss: 0.3555205464363098  
Epoch: 6544, Train Loss: 0.3511355519294739  
Epoch: 6545, Train Loss: 0.3497065007686615  
Epoch: 6546, Train Loss: 0.3496216833591461  
Epoch: 6547, Train Loss: 0.35117900371551514  
Epoch: 6548, Train Loss: 0.35141122341156006  
Epoch: 6549, Train Loss: 0.35320425033569336  
Epoch: 6550, Train Loss: 0.3513766825199127  
Epoch: 6551, Train Loss: 0.35182327032089233  
Epoch: 6552, Train Loss: 0.3540438413619995  
Epoch: 6553, Train Loss: 0.3522617816925049  
Epoch: 6554, Train Loss: 0.353127658367157  
Epoch: 6555, Train Loss: 0.34869736433029175  
Epoch: 6556, Train Loss: 0.3484705686569214  
Epoch: 6557, Train Loss: 0.3496387004852295  
Epoch: 6558, Train Loss: 0.3491319715976715  
Epoch: 6559, Train Loss: 0.35474079847335815  
Epoch: 6560, Train Loss: 0.3521111309528351  
Epoch: 6561, Train Loss: 0.34995585680007935  
Epoch: 6562, Train Loss: 0.3499874472618103  
Epoch: 6563, Train Loss: 0.35103365778923035  
Epoch: 6564, Train Loss: 0.3528764843940735  
Epoch: 6565, Train Loss: 0.3521113991737366  
Epoch: 6566, Train Loss: 0.35150155425071716  
Epoch: 6567, Train Loss: 0.3543170392513275  
Epoch: 6568, Train Loss: 0.3502067029476166  
Epoch: 6569, Train Loss: 0.3504335284233093  
Epoch: 6570, Train Loss: 0.35678595304489136  
Epoch: 6571, Train Loss: 0.3497641384601593  
Epoch: 6572, Train Loss: 0.35059934854507446  
Epoch: 6573, Train Loss: 0.3517199754714966  
Epoch: 6574, Train Loss: 0.35402125120162964  
Epoch: 6575, Train Loss: 0.35269051790237427  
Epoch: 6576, Train Loss: 0.3464365303516388  
Epoch: 6577, Train Loss: 0.3515959084033966  
Epoch: 6578, Train Loss: 0.35802286863327026  
Epoch: 6579, Train Loss: 0.34989386796951294  
Epoch: 6580, Train Loss: 0.3489954173564911  
Epoch: 6581, Train Loss: 0.3551975190639496  
Epoch: 6582, Train Loss: 0.35393303632736206  
Epoch: 6583, Train Loss: 0.35217201709747314  
Epoch: 6584, Train Loss: 0.3490547239780426  
Epoch: 6585, Train Loss: 0.35213032364845276

Epoch: 6586, Train Loss: 0.3488493263721466  
Epoch: 6587, Train Loss: 0.35122227668762207  
Epoch: 6588, Train Loss: 0.35388386249542236  
Epoch: 6589, Train Loss: 0.35357141494750977  
Epoch: 6590, Train Loss: 0.3513493835926056  
Epoch: 6591, Train Loss: 0.35048481822013855  
Epoch: 6592, Train Loss: 0.3489011228084564  
Epoch: 6593, Train Loss: 0.3526483476161957  
Epoch: 6594, Train Loss: 0.3493961989879608  
Epoch: 6595, Train Loss: 0.3512907326221466  
Epoch: 6596, Train Loss: 0.3526819348335266  
Epoch: 6597, Train Loss: 0.349799782037735  
Epoch: 6598, Train Loss: 0.353902131319046  
Epoch: 6599, Train Loss: 0.3518969416618347  
Epoch: 6600, Train Loss: 0.3526413142681122  
Epoch: 6601, Train Loss: 0.3524715006351471  
Epoch: 6602, Train Loss: 0.3531026840209961  
Epoch: 6603, Train Loss: 0.3500910699367523  
Epoch: 6604, Train Loss: 0.352295458316803  
Epoch: 6605, Train Loss: 0.3515664339065552  
Epoch: 6606, Train Loss: 0.34817153215408325  
Epoch: 6607, Train Loss: 0.3519338071346283  
Epoch: 6608, Train Loss: 0.3492020070552826  
Epoch: 6609, Train Loss: 0.3482148349285126  
Epoch: 6610, Train Loss: 0.3493935465812683  
Epoch: 6611, Train Loss: 0.35434213280677795  
Epoch: 6612, Train Loss: 0.353369802236557  
Epoch: 6613, Train Loss: 0.35077768564224243  
Epoch: 6614, Train Loss: 0.35016995668411255  
Epoch: 6615, Train Loss: 0.3525037169456482  
Epoch: 6616, Train Loss: 0.3496181070804596  
Epoch: 6617, Train Loss: 0.3514074683189392  
Epoch: 6618, Train Loss: 0.35281065106391907  
Epoch: 6619, Train Loss: 0.35556718707084656  
Epoch: 6620, Train Loss: 0.3504607379436493  
Epoch: 6621, Train Loss: 0.3525182604789734  
Epoch: 6622, Train Loss: 0.35328635573387146  
Epoch: 6623, Train Loss: 0.3550798296928406  
Epoch: 6624, Train Loss: 0.35656315088272095  
Epoch: 6625, Train Loss: 0.35053855180740356  
Epoch: 6626, Train Loss: 0.3469548225402832  
Epoch: 6627, Train Loss: 0.3451507091522217  
Epoch: 6628, Train Loss: 0.34792906045913696  
Epoch: 6629, Train Loss: 0.3517211675643921  
Epoch: 6630, Train Loss: 0.3524896800518036  
Epoch: 6631, Train Loss: 0.3503669798374176  
Epoch: 6632, Train Loss: 0.3502146899700165  
Epoch: 6633, Train Loss: 0.3489382863044739  
Epoch: 6634, Train Loss: 0.34781786799430847  
Epoch: 6635, Train Loss: 0.3526042103767395  
Epoch: 6636, Train Loss: 0.3515487313270569  
Epoch: 6637, Train Loss: 0.3485051393508911  
Epoch: 6638, Train Loss: 0.34795042872428894  
Epoch: 6639, Train Loss: 0.3480507731437683  
Epoch: 6640, Train Loss: 0.3497452139854431  
Epoch: 6641, Train Loss: 0.350480854511261  
Epoch: 6642, Train Loss: 0.3462812006473541  
Epoch: 6643, Train Loss: 0.3498775064945221  
Epoch: 6644, Train Loss: 0.3531924784183502  
Epoch: 6645, Train Loss: 0.3491723835468292  
Epoch: 6646, Train Loss: 0.35478994250297546

Epoch: 6647, Train Loss: 0.3505864441394806  
Epoch: 6648, Train Loss: 0.3478185534477234  
Epoch: 6649, Train Loss: 0.3561440408229828  
Epoch: 6650, Train Loss: 0.3524180054664612  
Epoch: 6651, Train Loss: 0.3524470925331116  
Epoch: 6652, Train Loss: 0.34713923931121826  
Epoch: 6653, Train Loss: 0.3497822880744934  
Epoch: 6654, Train Loss: 0.3499182164669037  
Epoch: 6655, Train Loss: 0.3514365553855896  
Epoch: 6656, Train Loss: 0.35233595967292786  
Epoch: 6657, Train Loss: 0.35298219323158264  
Epoch: 6658, Train Loss: 0.35037851333618164  
Epoch: 6659, Train Loss: 0.3500570058822632  
Epoch: 6660, Train Loss: 0.34785595536231995  
Epoch: 6661, Train Loss: 0.35109955072402954  
Epoch: 6662, Train Loss: 0.35040518641471863  
Epoch: 6663, Train Loss: 0.35121408104896545  
Epoch: 6664, Train Loss: 0.35325518250465393  
Epoch: 6665, Train Loss: 0.3473978638648987  
Epoch: 6666, Train Loss: 0.3526987135410309  
Epoch: 6667, Train Loss: 0.35245054960250854  
Epoch: 6668, Train Loss: 0.35165610909461975  
Epoch: 6669, Train Loss: 0.3554771840572357  
Epoch: 6670, Train Loss: 0.353177011013031  
Epoch: 6671, Train Loss: 0.3473329246044159  
Epoch: 6672, Train Loss: 0.3499852120876312  
Epoch: 6673, Train Loss: 0.3463283181190491  
Epoch: 6674, Train Loss: 0.3476846218109131  
Epoch: 6675, Train Loss: 0.3541683852672577  
Epoch: 6676, Train Loss: 0.35480764508247375  
Epoch: 6677, Train Loss: 0.34999507665634155  
Epoch: 6678, Train Loss: 0.3551940321922302  
Epoch: 6679, Train Loss: 0.3521731495857239  
Epoch: 6680, Train Loss: 0.35205143690109253  
Epoch: 6681, Train Loss: 0.350671648979187  
Epoch: 6682, Train Loss: 0.3531895577907562  
Epoch: 6683, Train Loss: 0.3500688374042511  
Epoch: 6684, Train Loss: 0.3550550043582916  
Epoch: 6685, Train Loss: 0.351461797952652  
Epoch: 6686, Train Loss: 0.3496459126472473  
Epoch: 6687, Train Loss: 0.34824004769325256  
Epoch: 6688, Train Loss: 0.3511757254600525  
Epoch: 6689, Train Loss: 0.35039570927619934  
Epoch: 6690, Train Loss: 0.35129427909851074  
Epoch: 6691, Train Loss: 0.3506222367286682  
Epoch: 6692, Train Loss: 0.35322266817092896  
Epoch: 6693, Train Loss: 0.351579487323761  
Epoch: 6694, Train Loss: 0.3482832908630371  
Epoch: 6695, Train Loss: 0.35365134477615356  
Epoch: 6696, Train Loss: 0.34971240162849426  
Epoch: 6697, Train Loss: 0.35201823711395264  
Epoch: 6698, Train Loss: 0.35343557596206665  
Epoch: 6699, Train Loss: 0.3509528636932373  
Epoch: 6700, Train Loss: 0.3508005440235138  
Epoch: 6701, Train Loss: 0.34881433844566345  
Epoch: 6702, Train Loss: 0.3502790033817291  
Epoch: 6703, Train Loss: 0.3472673296928406  
Epoch: 6704, Train Loss: 0.34877341985702515  
Epoch: 6705, Train Loss: 0.354869544506073  
Epoch: 6706, Train Loss: 0.35080695152282715  
Epoch: 6707, Train Loss: 0.3502576947212219

Epoch: 6708, Train Loss: 0.3502282202243805  
Epoch: 6709, Train Loss: 0.35403791069984436  
Epoch: 6710, Train Loss: 0.3491519093513489  
Epoch: 6711, Train Loss: 0.35069337487220764  
Epoch: 6712, Train Loss: 0.3498952090740204  
Epoch: 6713, Train Loss: 0.3479829430580139  
Epoch: 6714, Train Loss: 0.3492775559425354  
Epoch: 6715, Train Loss: 0.34804436564445496  
Epoch: 6716, Train Loss: 0.3521586060523987  
Epoch: 6717, Train Loss: 0.354356586933136  
Epoch: 6718, Train Loss: 0.35026973485946655  
Epoch: 6719, Train Loss: 0.3457454442977905  
Epoch: 6720, Train Loss: 0.34893909096717834  
Epoch: 6721, Train Loss: 0.3516893982887268  
Epoch: 6722, Train Loss: 0.34820201992988586  
Epoch: 6723, Train Loss: 0.3504786491394043  
Epoch: 6724, Train Loss: 0.34930673241615295  
Epoch: 6725, Train Loss: 0.34836268424987793  
Epoch: 6726, Train Loss: 0.3497602045536041  
Epoch: 6727, Train Loss: 0.3487488627433777  
Epoch: 6728, Train Loss: 0.3527650237083435  
Epoch: 6729, Train Loss: 0.3499597907066345  
Epoch: 6730, Train Loss: 0.35012081265449524  
Epoch: 6731, Train Loss: 0.3501967489719391  
Epoch: 6732, Train Loss: 0.3468666076660156  
Epoch: 6733, Train Loss: 0.3517146706581116  
Epoch: 6734, Train Loss: 0.3486449718475342  
Epoch: 6735, Train Loss: 0.3501065969467163  
Epoch: 6736, Train Loss: 0.3496692180633545  
Epoch: 6737, Train Loss: 0.35093215107917786  
Epoch: 6738, Train Loss: 0.35163816809654236  
Epoch: 6739, Train Loss: 0.35106268525123596  
Epoch: 6740, Train Loss: 0.34939780831336975  
Epoch: 6741, Train Loss: 0.3520638346672058  
Epoch: 6742, Train Loss: 0.3512051999568939  
Epoch: 6743, Train Loss: 0.3496481776237488  
Epoch: 6744, Train Loss: 0.351365864276886  
Epoch: 6745, Train Loss: 0.3492083251476288  
Epoch: 6746, Train Loss: 0.3520682454109192  
Epoch: 6747, Train Loss: 0.3520691990852356  
Epoch: 6748, Train Loss: 0.35657134652137756  
Epoch: 6749, Train Loss: 0.35610684752464294  
Epoch: 6750, Train Loss: 0.3500998914241791  
Epoch: 6751, Train Loss: 0.35152941942214966  
Epoch: 6752, Train Loss: 0.3502253592014313  
Epoch: 6753, Train Loss: 0.3522742688655853  
Epoch: 6754, Train Loss: 0.3488445281982422  
Epoch: 6755, Train Loss: 0.3528220057487488  
Epoch: 6756, Train Loss: 0.3497616648674011  
Epoch: 6757, Train Loss: 0.35451143980026245  
Epoch: 6758, Train Loss: 0.34983736276626587  
Epoch: 6759, Train Loss: 0.35310298204421997  
Epoch: 6760, Train Loss: 0.3525474965572357  
Epoch: 6761, Train Loss: 0.3491085171699524  
Epoch: 6762, Train Loss: 0.3525884747505188  
Epoch: 6763, Train Loss: 0.3513987958431244  
Epoch: 6764, Train Loss: 0.3507620692253113  
Epoch: 6765, Train Loss: 0.3469999134540558  
Epoch: 6766, Train Loss: 0.3482772707939148  
Epoch: 6767, Train Loss: 0.3501686453819275  
Epoch: 6768, Train Loss: 0.3510724604129791

Epoch: 6769, Train Loss: 0.351265549659729  
Epoch: 6770, Train Loss: 0.3500836193561554  
Epoch: 6771, Train Loss: 0.34941068291664124  
Epoch: 6772, Train Loss: 0.35195180773735046  
Epoch: 6773, Train Loss: 0.34984856843948364  
Epoch: 6774, Train Loss: 0.3512283265590668  
Epoch: 6775, Train Loss: 0.34862029552459717  
Epoch: 6776, Train Loss: 0.3494775593280792  
Epoch: 6777, Train Loss: 0.3539350628852844  
Epoch: 6778, Train Loss: 0.35220637917518616  
Epoch: 6779, Train Loss: 0.34895095229148865  
Epoch: 6780, Train Loss: 0.34741440415382385  
Epoch: 6781, Train Loss: 0.35146647691726685  
Epoch: 6782, Train Loss: 0.34929460287094116  
Epoch: 6783, Train Loss: 0.35300901532173157  
Epoch: 6784, Train Loss: 0.35015973448753357  
Epoch: 6785, Train Loss: 0.3498179614543915  
Epoch: 6786, Train Loss: 0.35141971707344055  
Epoch: 6787, Train Loss: 0.35122302174568176  
Epoch: 6788, Train Loss: 0.35219913721084595  
Epoch: 6789, Train Loss: 0.3504221439361572  
Epoch: 6790, Train Loss: 0.3515300154685974  
Epoch: 6791, Train Loss: 0.35130372643470764  
Epoch: 6792, Train Loss: 0.34667059779167175  
Epoch: 6793, Train Loss: 0.34768518805503845  
Epoch: 6794, Train Loss: 0.35184282064437866  
Epoch: 6795, Train Loss: 0.35088014602661133  
Epoch: 6796, Train Loss: 0.3496745228767395  
Epoch: 6797, Train Loss: 0.3505573868751526  
Epoch: 6798, Train Loss: 0.3544507324695587  
Epoch: 6799, Train Loss: 0.3543154299259186  
Epoch: 6800, Train Loss: 0.3503987193107605  
Epoch: 6801, Train Loss: 0.34883755445480347  
Epoch: 6802, Train Loss: 0.3486674427986145  
Epoch: 6803, Train Loss: 0.3489498496055603  
Epoch: 6804, Train Loss: 0.34783974289894104  
Epoch: 6805, Train Loss: 0.35113149881362915  
Epoch: 6806, Train Loss: 0.3463940918445587  
Epoch: 6807, Train Loss: 0.35262495279312134  
Epoch: 6808, Train Loss: 0.347050279378891  
Epoch: 6809, Train Loss: 0.348979651927948  
Epoch: 6810, Train Loss: 0.34509438276290894  
Epoch: 6811, Train Loss: 0.35199499130249023  
Epoch: 6812, Train Loss: 0.34718582034111023  
Epoch: 6813, Train Loss: 0.3487190008163452  
Epoch: 6814, Train Loss: 0.34903496503829956  
Epoch: 6815, Train Loss: 0.35089224576950073  
Epoch: 6816, Train Loss: 0.34962379932403564  
Epoch: 6817, Train Loss: 0.3510560989379883  
Epoch: 6818, Train Loss: 0.35238632559776306  
Epoch: 6819, Train Loss: 0.35505422949790955  
Epoch: 6820, Train Loss: 0.35401973128318787  
Epoch: 6821, Train Loss: 0.35128670930862427  
Epoch: 6822, Train Loss: 0.34847432374954224  
Epoch: 6823, Train Loss: 0.3511168956756592  
Epoch: 6824, Train Loss: 0.35182812809944153  
Epoch: 6825, Train Loss: 0.35858044028282166  
Epoch: 6826, Train Loss: 0.34852293133735657  
Epoch: 6827, Train Loss: 0.3520491421222687  
Epoch: 6828, Train Loss: 0.35207831859588623  
Epoch: 6829, Train Loss: 0.3507370352745056

Epoch: 6830, Train Loss: 0.353684663772583  
Epoch: 6831, Train Loss: 0.3491173982620239  
Epoch: 6832, Train Loss: 0.3466857075691223  
Epoch: 6833, Train Loss: 0.3525754511356354  
Epoch: 6834, Train Loss: 0.347369521856308  
Epoch: 6835, Train Loss: 0.34931960701942444  
Epoch: 6836, Train Loss: 0.35001417994499207  
Epoch: 6837, Train Loss: 0.35399168729782104  
Epoch: 6838, Train Loss: 0.34924525022506714  
Epoch: 6839, Train Loss: 0.3514922261238098  
Epoch: 6840, Train Loss: 0.35041913390159607  
Epoch: 6841, Train Loss: 0.348673552274704  
Epoch: 6842, Train Loss: 0.34839314222335815  
Epoch: 6843, Train Loss: 0.351813942193985  
Epoch: 6844, Train Loss: 0.3512478470802307  
Epoch: 6845, Train Loss: 0.3502866327762604  
Epoch: 6846, Train Loss: 0.35020479559898376  
Epoch: 6847, Train Loss: 0.34893712401390076  
Epoch: 6848, Train Loss: 0.3511977791786194  
Epoch: 6849, Train Loss: 0.3466882109642029  
Epoch: 6850, Train Loss: 0.3549808859825134  
Epoch: 6851, Train Loss: 0.34892868995666504  
Epoch: 6852, Train Loss: 0.3484738767147064  
Epoch: 6853, Train Loss: 0.35347503423690796  
Epoch: 6854, Train Loss: 0.3505018353462219  
Epoch: 6855, Train Loss: 0.35144519805908203  
Epoch: 6856, Train Loss: 0.35170629620552063  
Epoch: 6857, Train Loss: 0.34735387563705444  
Epoch: 6858, Train Loss: 0.3511977791786194  
Epoch: 6859, Train Loss: 0.3480845093727112  
Epoch: 6860, Train Loss: 0.3483951687812805  
Epoch: 6861, Train Loss: 0.3472009301185608  
Epoch: 6862, Train Loss: 0.3540252149105072  
Epoch: 6863, Train Loss: 0.3532951772212982  
Epoch: 6864, Train Loss: 0.3522629141807556  
Epoch: 6865, Train Loss: 0.3474627137184143  
Epoch: 6866, Train Loss: 0.34839293360710144  
Epoch: 6867, Train Loss: 0.3478677570819855  
Epoch: 6868, Train Loss: 0.3498693108558655  
Epoch: 6869, Train Loss: 0.3463916778564453  
Epoch: 6870, Train Loss: 0.3515625  
Epoch: 6871, Train Loss: 0.3489551544189453  
Epoch: 6872, Train Loss: 0.3536631464958191  
Epoch: 6873, Train Loss: 0.3474751114845276  
Epoch: 6874, Train Loss: 0.35039347410202026  
Epoch: 6875, Train Loss: 0.34944766759872437  
Epoch: 6876, Train Loss: 0.3466774821281433  
Epoch: 6877, Train Loss: 0.34937089681625366  
Epoch: 6878, Train Loss: 0.3505899906158447  
Epoch: 6879, Train Loss: 0.34966617822647095  
Epoch: 6880, Train Loss: 0.3454934060573578  
Epoch: 6881, Train Loss: 0.349659264087677  
Epoch: 6882, Train Loss: 0.35231634974479675  
Epoch: 6883, Train Loss: 0.35055309534072876  
Epoch: 6884, Train Loss: 0.34722650051116943  
Epoch: 6885, Train Loss: 0.35325872898101807  
Epoch: 6886, Train Loss: 0.34750014543533325  
Epoch: 6887, Train Loss: 0.3517622649669647  
Epoch: 6888, Train Loss: 0.3493542969226837  
Epoch: 6889, Train Loss: 0.3514236807823181  
Epoch: 6890, Train Loss: 0.3547722399234772



Epoch: 6891, Train Loss: 0.3480159342288971  
Epoch: 6892, Train Loss: 0.34781399369239807  
Epoch: 6893, Train Loss: 0.35201090574264526  
Epoch: 6894, Train Loss: 0.3524695038795471  
Epoch: 6895, Train Loss: 0.34621936082839966  
Epoch: 6896, Train Loss: 0.3520086109638214  
Epoch: 6897, Train Loss: 0.3495120704174042  
Epoch: 6898, Train Loss: 0.349229633808136  
Epoch: 6899, Train Loss: 0.34879592061042786  
Epoch: 6900, Train Loss: 0.34607648849487305  
Epoch: 6901, Train Loss: 0.34930774569511414  
Epoch: 6902, Train Loss: 0.35250815749168396  
Epoch: 6903, Train Loss: 0.3497457504272461  
Epoch: 6904, Train Loss: 0.34821945428848267  
Epoch: 6905, Train Loss: 0.3525749444961548  
Epoch: 6906, Train Loss: 0.3520682752132416  
Epoch: 6907, Train Loss: 0.34720808267593384  
Epoch: 6908, Train Loss: 0.34735825657844543  
Epoch: 6909, Train Loss: 0.3481405973434448  
Epoch: 6910, Train Loss: 0.35199683904647827  
Epoch: 6911, Train Loss: 0.35318392515182495  
Epoch: 6912, Train Loss: 0.35001394152641296  
Epoch: 6913, Train Loss: 0.35205134749412537  
Epoch: 6914, Train Loss: 0.34800225496292114  
Epoch: 6915, Train Loss: 0.35019510984420776  
Epoch: 6916, Train Loss: 0.35003289580345154  
Epoch: 6917, Train Loss: 0.3516959547996521  
Epoch: 6918, Train Loss: 0.35097116231918335  
Epoch: 6919, Train Loss: 0.34989842772483826  
Epoch: 6920, Train Loss: 0.3468937873840332  
Epoch: 6921, Train Loss: 0.35037389397621155  
Epoch: 6922, Train Loss: 0.3457799255847931  
Epoch: 6923, Train Loss: 0.3510053753852844  
Epoch: 6924, Train Loss: 0.3492388427257538  
Epoch: 6925, Train Loss: 0.3514936566352844  
Epoch: 6926, Train Loss: 0.35245877504348755  
Epoch: 6927, Train Loss: 0.3492564558982849  
Epoch: 6928, Train Loss: 0.34808212518692017  
Epoch: 6929, Train Loss: 0.3488902747631073  
Epoch: 6930, Train Loss: 0.34709984064102173  
Epoch: 6931, Train Loss: 0.34885257482528687  
Epoch: 6932, Train Loss: 0.35037538409233093  
Epoch: 6933, Train Loss: 0.3466423749923706  
Epoch: 6934, Train Loss: 0.3526676595211029  
Epoch: 6935, Train Loss: 0.3501250445842743  
Epoch: 6936, Train Loss: 0.3487117290496826  
Epoch: 6937, Train Loss: 0.34777143597602844  
Epoch: 6938, Train Loss: 0.3502359688282013  
Epoch: 6939, Train Loss: 0.35189229249954224  
Epoch: 6940, Train Loss: 0.34957394003868103  
Epoch: 6941, Train Loss: 0.34762874245643616  
Epoch: 6942, Train Loss: 0.3478274643421173  
Epoch: 6943, Train Loss: 0.3514983057975769  
Epoch: 6944, Train Loss: 0.35280150175094604  
Epoch: 6945, Train Loss: 0.3480151295661926  
Epoch: 6946, Train Loss: 0.3508066236972809  
Epoch: 6947, Train Loss: 0.3476751744747162  
Epoch: 6948, Train Loss: 0.3482137620449066  
Epoch: 6949, Train Loss: 0.3501696288585663  
Epoch: 6950, Train Loss: 0.3486313223838806  
Epoch: 6951, Train Loss: 0.34878554940223694

Epoch: 6952, Train Loss: 0.3494351804256439  
Epoch: 6953, Train Loss: 0.3467113673686981  
Epoch: 6954, Train Loss: 0.34966692328453064  
Epoch: 6955, Train Loss: 0.3509048819541931  
Epoch: 6956, Train Loss: 0.35375291109085083  
Epoch: 6957, Train Loss: 0.34589213132858276  
Epoch: 6958, Train Loss: 0.3463711738586426  
Epoch: 6959, Train Loss: 0.35440126061439514  
Epoch: 6960, Train Loss: 0.35017314553260803  
Epoch: 6961, Train Loss: 0.34959763288497925  
Epoch: 6962, Train Loss: 0.3486798107624054  
Epoch: 6963, Train Loss: 0.34848758578300476  
Epoch: 6964, Train Loss: 0.3483094573020935  
Epoch: 6965, Train Loss: 0.3512778878211975  
Epoch: 6966, Train Loss: 0.3498741686344147  
Epoch: 6967, Train Loss: 0.34783563017845154  
Epoch: 6968, Train Loss: 0.3489784300327301  
Epoch: 6969, Train Loss: 0.3487813472747803  
Epoch: 6970, Train Loss: 0.3502020239830017  
Epoch: 6971, Train Loss: 0.34690067172050476  
Epoch: 6972, Train Loss: 0.35120442509651184  
Epoch: 6973, Train Loss: 0.34513193368911743  
Epoch: 6974, Train Loss: 0.3531631827354431  
Epoch: 6975, Train Loss: 0.34995779395103455  
Epoch: 6976, Train Loss: 0.3479653000831604  
Epoch: 6977, Train Loss: 0.3490685224533081  
Epoch: 6978, Train Loss: 0.3475915789604187  
Epoch: 6979, Train Loss: 0.3496335744857788  
Epoch: 6980, Train Loss: 0.3456500470638275  
Epoch: 6981, Train Loss: 0.3509525954723358  
Epoch: 6982, Train Loss: 0.3475978374481201  
Epoch: 6983, Train Loss: 0.3543059527873993  
Epoch: 6984, Train Loss: 0.3492065668106079  
Epoch: 6985, Train Loss: 0.34875553846359253  
Epoch: 6986, Train Loss: 0.35333117842674255  
Epoch: 6987, Train Loss: 0.35078999400138855  
Epoch: 6988, Train Loss: 0.3534316420555115  
Epoch: 6989, Train Loss: 0.34776777029037476  
Epoch: 6990, Train Loss: 0.3488669991493225  
Epoch: 6991, Train Loss: 0.3464576303958893  
Epoch: 6992, Train Loss: 0.34814777970314026  
Epoch: 6993, Train Loss: 0.3502029776573181  
Epoch: 6994, Train Loss: 0.34797340631484985  
Epoch: 6995, Train Loss: 0.34683501720428467  
Epoch: 6996, Train Loss: 0.3483532667160034  
Epoch: 6997, Train Loss: 0.34603968262672424  
Epoch: 6998, Train Loss: 0.3487994074821472  
Epoch: 6999, Train Loss: 0.3504970669746399  
Epoch: 7000, Train Loss: 0.3512724041938782  
Epoch: 7001, Train Loss: 0.3483465909957886  
Epoch: 7002, Train Loss: 0.34794849157333374  
Epoch: 7003, Train Loss: 0.3521463871002197  
Epoch: 7004, Train Loss: 0.34907257556915283  
Epoch: 7005, Train Loss: 0.3512967824935913  
Epoch: 7006, Train Loss: 0.3476063013076782  
Epoch: 7007, Train Loss: 0.348400741815567  
Epoch: 7008, Train Loss: 0.35141903162002563  
Epoch: 7009, Train Loss: 0.3530617654323578  
Epoch: 7010, Train Loss: 0.34687796235084534  
Epoch: 7011, Train Loss: 0.34866446256637573  
Epoch: 7012, Train Loss: 0.34714430570602417

Epoch: 7013, Train Loss: 0.34910792112350464  
Epoch: 7014, Train Loss: 0.34577256441116333  
Epoch: 7015, Train Loss: 0.3505626916885376  
Epoch: 7016, Train Loss: 0.34895938634872437  
Epoch: 7017, Train Loss: 0.34860819578170776  
Epoch: 7018, Train Loss: 0.3514803349971771  
Epoch: 7019, Train Loss: 0.34858736395835876  
Epoch: 7020, Train Loss: 0.349536269903183  
Epoch: 7021, Train Loss: 0.3494517505168915  
Epoch: 7022, Train Loss: 0.3481254279613495  
Epoch: 7023, Train Loss: 0.3441951274871826  
Epoch: 7024, Train Loss: 0.3488865792751312  
Epoch: 7025, Train Loss: 0.35066068172454834  
Epoch: 7026, Train Loss: 0.3479999005794525  
Epoch: 7027, Train Loss: 0.3480590283870697  
Epoch: 7028, Train Loss: 0.34802278876304626  
Epoch: 7029, Train Loss: 0.349179744720459  
Epoch: 7030, Train Loss: 0.34833186864852905  
Epoch: 7031, Train Loss: 0.3480309844017029  
Epoch: 7032, Train Loss: 0.3479861915111542  
Epoch: 7033, Train Loss: 0.34757980704307556  
Epoch: 7034, Train Loss: 0.3502885103225708  
Epoch: 7035, Train Loss: 0.34956246614456177  
Epoch: 7036, Train Loss: 0.354477196931839  
Epoch: 7037, Train Loss: 0.34905049204826355  
Epoch: 7038, Train Loss: 0.35360878705978394  
Epoch: 7039, Train Loss: 0.35094359517097473  
Epoch: 7040, Train Loss: 0.3466252386569977  
Epoch: 7041, Train Loss: 0.3482082784175873  
Epoch: 7042, Train Loss: 0.3502735197544098  
Epoch: 7043, Train Loss: 0.350323885679245  
Epoch: 7044, Train Loss: 0.3524323105812073  
Epoch: 7045, Train Loss: 0.34772661328315735  
Epoch: 7046, Train Loss: 0.34973210096359253  
Epoch: 7047, Train Loss: 0.34768733382225037  
Epoch: 7048, Train Loss: 0.3498731851577759  
Epoch: 7049, Train Loss: 0.3510071635246277  
Epoch: 7050, Train Loss: 0.35239177942276  
Epoch: 7051, Train Loss: 0.3524835407733917  
Epoch: 7052, Train Loss: 0.3527849614620209  
Epoch: 7053, Train Loss: 0.35186758637428284  
Epoch: 7054, Train Loss: 0.34742143750190735  
Epoch: 7055, Train Loss: 0.3513674736022949  
Epoch: 7056, Train Loss: 0.3477674722671509  
Epoch: 7057, Train Loss: 0.3508457839488983  
Epoch: 7058, Train Loss: 0.35237646102905273  
Epoch: 7059, Train Loss: 0.34815797209739685  
Epoch: 7060, Train Loss: 0.3501717448234558  
Epoch: 7061, Train Loss: 0.3490239083766937  
Epoch: 7062, Train Loss: 0.35006844997406006  
Epoch: 7063, Train Loss: 0.35093653202056885  
Epoch: 7064, Train Loss: 0.34877124428749084  
Epoch: 7065, Train Loss: 0.34708917140960693  
Epoch: 7066, Train Loss: 0.3480909466743469  
Epoch: 7067, Train Loss: 0.35096460580825806  
Epoch: 7068, Train Loss: 0.347790002822876  
Epoch: 7069, Train Loss: 0.3496672511100769  
Epoch: 7070, Train Loss: 0.3483152985572815  
Epoch: 7071, Train Loss: 0.3506998121738434  
Epoch: 7072, Train Loss: 0.3463224768638611  
Epoch: 7073, Train Loss: 0.3487565219402313

Epoch: 7074, Train Loss: 0.350104957818985  
Epoch: 7075, Train Loss: 0.3515964150428772  
Epoch: 7076, Train Loss: 0.3489130139350891  
Epoch: 7077, Train Loss: 0.3484165072441101  
Epoch: 7078, Train Loss: 0.34820854663848877  
Epoch: 7079, Train Loss: 0.3481127619743347  
Epoch: 7080, Train Loss: 0.34990158677101135  
Epoch: 7081, Train Loss: 0.35114148259162903  
Epoch: 7082, Train Loss: 0.3510220944881439  
Epoch: 7083, Train Loss: 0.34920042753219604  
Epoch: 7084, Train Loss: 0.3485129773616791  
Epoch: 7085, Train Loss: 0.3479246199131012  
Epoch: 7086, Train Loss: 0.35159581899642944  
Epoch: 7087, Train Loss: 0.35157904028892517  
Epoch: 7088, Train Loss: 0.34952306747436523  
Epoch: 7089, Train Loss: 0.34994807839393616  
Epoch: 7090, Train Loss: 0.3425540328025818  
Epoch: 7091, Train Loss: 0.3482508063316345  
Epoch: 7092, Train Loss: 0.34895867109298706  
Epoch: 7093, Train Loss: 0.348957359790802  
Epoch: 7094, Train Loss: 0.3497838079929352  
Epoch: 7095, Train Loss: 0.3509194254875183  
Epoch: 7096, Train Loss: 0.34814393520355225  
Epoch: 7097, Train Loss: 0.34886130690574646  
Epoch: 7098, Train Loss: 0.3475787043571472  
Epoch: 7099, Train Loss: 0.34992796182632446  
Epoch: 7100, Train Loss: 0.35130929946899414  
Epoch: 7101, Train Loss: 0.3481110632419586  
Epoch: 7102, Train Loss: 0.3456833064556122  
Epoch: 7103, Train Loss: 0.3480857312679291  
Epoch: 7104, Train Loss: 0.3516795337200165  
Epoch: 7105, Train Loss: 0.346383273601532  
Epoch: 7106, Train Loss: 0.35102343559265137  
Epoch: 7107, Train Loss: 0.348185658454895  
Epoch: 7108, Train Loss: 0.3474179208278656  
Epoch: 7109, Train Loss: 0.34960436820983887  
Epoch: 7110, Train Loss: 0.34670621156692505  
Epoch: 7111, Train Loss: 0.3490560054779053  
Epoch: 7112, Train Loss: 0.34896451234817505  
Epoch: 7113, Train Loss: 0.3466038703918457  
Epoch: 7114, Train Loss: 0.34943723678588867  
Epoch: 7115, Train Loss: 0.35191747546195984  
Epoch: 7116, Train Loss: 0.35086312890052795  
Epoch: 7117, Train Loss: 0.3488461375236511  
Epoch: 7118, Train Loss: 0.3498609960079193  
Epoch: 7119, Train Loss: 0.3486488461494446  
Epoch: 7120, Train Loss: 0.3481614291667938  
Epoch: 7121, Train Loss: 0.35635632276535034  
Epoch: 7122, Train Loss: 0.3495740294456482  
Epoch: 7123, Train Loss: 0.34728318452835083  
Epoch: 7124, Train Loss: 0.3452286124229431  
Epoch: 7125, Train Loss: 0.3487333655357361  
Epoch: 7126, Train Loss: 0.35147157311439514  
Epoch: 7127, Train Loss: 0.3471924662590027  
Epoch: 7128, Train Loss: 0.34620821475982666  
Epoch: 7129, Train Loss: 0.3471211791038513  
Epoch: 7130, Train Loss: 0.34891200065612793  
Epoch: 7131, Train Loss: 0.35106128454208374  
Epoch: 7132, Train Loss: 0.3466925323009491  
Epoch: 7133, Train Loss: 0.34320271015167236  
Epoch: 7134, Train Loss: 0.3482578694820404

Epoch: 7135, Train Loss: 0.35047587752342224  
Epoch: 7136, Train Loss: 0.3473423421382904  
Epoch: 7137, Train Loss: 0.34643611311912537  
Epoch: 7138, Train Loss: 0.34514319896698  
Epoch: 7139, Train Loss: 0.34774404764175415  
Epoch: 7140, Train Loss: 0.34630876779556274  
Epoch: 7141, Train Loss: 0.34911593794822693  
Epoch: 7142, Train Loss: 0.34950003027915955  
Epoch: 7143, Train Loss: 0.3499303162097931  
Epoch: 7144, Train Loss: 0.3523257076740265  
Epoch: 7145, Train Loss: 0.3456593453884125  
Epoch: 7146, Train Loss: 0.3466181755065918  
Epoch: 7147, Train Loss: 0.3496990501880646  
Epoch: 7148, Train Loss: 0.3477739691734314  
Epoch: 7149, Train Loss: 0.34743568301200867  
Epoch: 7150, Train Loss: 0.3530201315879822  
Epoch: 7151, Train Loss: 0.3491790294647217  
Epoch: 7152, Train Loss: 0.3467089831829071  
Epoch: 7153, Train Loss: 0.3490045964717865  
Epoch: 7154, Train Loss: 0.34820911288261414  
Epoch: 7155, Train Loss: 0.3461913466453552  
Epoch: 7156, Train Loss: 0.34657394886016846  
Epoch: 7157, Train Loss: 0.34494641423225403  
Epoch: 7158, Train Loss: 0.3491381108760834  
Epoch: 7159, Train Loss: 0.3474898934364319  
Epoch: 7160, Train Loss: 0.3496450185775757  
Epoch: 7161, Train Loss: 0.3492780327796936  
Epoch: 7162, Train Loss: 0.34785494208335876  
Epoch: 7163, Train Loss: 0.34358644485473633  
Epoch: 7164, Train Loss: 0.35162776708602905  
Epoch: 7165, Train Loss: 0.35041317343711853  
Epoch: 7166, Train Loss: 0.34930914640426636  
Epoch: 7167, Train Loss: 0.34764352440834045  
Epoch: 7168, Train Loss: 0.3504360616207123  
Epoch: 7169, Train Loss: 0.3471766412258148  
Epoch: 7170, Train Loss: 0.34772077202796936  
Epoch: 7171, Train Loss: 0.34914302825927734  
Epoch: 7172, Train Loss: 0.3467407822608948  
Epoch: 7173, Train Loss: 0.3502923250198364  
Epoch: 7174, Train Loss: 0.35319948196411133  
Epoch: 7175, Train Loss: 0.35281577706336975  
Epoch: 7176, Train Loss: 0.35139206051826477  
Epoch: 7177, Train Loss: 0.3494076430797577  
Epoch: 7178, Train Loss: 0.3490651249885559  
Epoch: 7179, Train Loss: 0.3505869507789612  
Epoch: 7180, Train Loss: 0.34931516647338867  
Epoch: 7181, Train Loss: 0.3467866778373718  
Epoch: 7182, Train Loss: 0.3512452244758606  
Epoch: 7183, Train Loss: 0.3475564420223236  
Epoch: 7184, Train Loss: 0.347343385219574  
Epoch: 7185, Train Loss: 0.3476177453994751  
Epoch: 7186, Train Loss: 0.3501374125480652  
Epoch: 7187, Train Loss: 0.3463824689388275  
Epoch: 7188, Train Loss: 0.3553747236728668  
Epoch: 7189, Train Loss: 0.34664517641067505  
Epoch: 7190, Train Loss: 0.3466968536376953  
Epoch: 7191, Train Loss: 0.345733642578125  
Epoch: 7192, Train Loss: 0.3486829698085785  
Epoch: 7193, Train Loss: 0.34469130635261536  
Epoch: 7194, Train Loss: 0.3480415642261505  
Epoch: 7195, Train Loss: 0.34639251232147217

Epoch: 7196, Train Loss: 0.3462882936000824  
Epoch: 7197, Train Loss: 0.3485740125179291  
Epoch: 7198, Train Loss: 0.3516668677330017  
Epoch: 7199, Train Loss: 0.34860673546791077  
Epoch: 7200, Train Loss: 0.3510848879814148  
Epoch: 7201, Train Loss: 0.3449384272098541  
Epoch: 7202, Train Loss: 0.3495314419269562  
Epoch: 7203, Train Loss: 0.34769099950790405  
Epoch: 7204, Train Loss: 0.34862977266311646  
Epoch: 7205, Train Loss: 0.35086727142333984  
Epoch: 7206, Train Loss: 0.3436671495437622  
Epoch: 7207, Train Loss: 0.34865808486938477  
Epoch: 7208, Train Loss: 0.3504214286804199  
Epoch: 7209, Train Loss: 0.3507561683654785  
Epoch: 7210, Train Loss: 0.3473339378833771  
Epoch: 7211, Train Loss: 0.3477160930633545  
Epoch: 7212, Train Loss: 0.3495944142341614  
Epoch: 7213, Train Loss: 0.3526061475276947  
Epoch: 7214, Train Loss: 0.35271328687667847  
Epoch: 7215, Train Loss: 0.3508654236793518  
Epoch: 7216, Train Loss: 0.34870630502700806  
Epoch: 7217, Train Loss: 0.3502364754676819  
Epoch: 7218, Train Loss: 0.35037127137184143  
Epoch: 7219, Train Loss: 0.34690621495246887  
Epoch: 7220, Train Loss: 0.35079532861709595  
Epoch: 7221, Train Loss: 0.347751647233963  
Epoch: 7222, Train Loss: 0.34890612959861755  
Epoch: 7223, Train Loss: 0.3468253016471863  
Epoch: 7224, Train Loss: 0.34840938448905945  
Epoch: 7225, Train Loss: 0.3501643240451813  
Epoch: 7226, Train Loss: 0.34599074721336365  
Epoch: 7227, Train Loss: 0.3486403822898865  
Epoch: 7228, Train Loss: 0.3502200245857239  
Epoch: 7229, Train Loss: 0.34660640358924866  
Epoch: 7230, Train Loss: 0.3501892685890198  
Epoch: 7231, Train Loss: 0.3508325219154358  
Epoch: 7232, Train Loss: 0.3468421399593353  
Epoch: 7233, Train Loss: 0.34835973381996155  
Epoch: 7234, Train Loss: 0.34872621297836304  
Epoch: 7235, Train Loss: 0.3497171103954315  
Epoch: 7236, Train Loss: 0.348763644695282  
Epoch: 7237, Train Loss: 0.34694287180900574  
Epoch: 7238, Train Loss: 0.35439905524253845  
Epoch: 7239, Train Loss: 0.3472937345504761  
Epoch: 7240, Train Loss: 0.3432519733905792  
Epoch: 7241, Train Loss: 0.3478381037712097  
Epoch: 7242, Train Loss: 0.34616169333457947  
Epoch: 7243, Train Loss: 0.3487221598625183  
Epoch: 7244, Train Loss: 0.3480607271194458  
Epoch: 7245, Train Loss: 0.34919506311416626  
Epoch: 7246, Train Loss: 0.35069847106933594  
Epoch: 7247, Train Loss: 0.347079336643219  
Epoch: 7248, Train Loss: 0.3471783995628357  
Epoch: 7249, Train Loss: 0.34597674012184143  
Epoch: 7250, Train Loss: 0.34818413853645325  
Epoch: 7251, Train Loss: 0.34895843267440796  
Epoch: 7252, Train Loss: 0.3495449125766754  
Epoch: 7253, Train Loss: 0.34488803148269653  
Epoch: 7254, Train Loss: 0.347953736782074  
Epoch: 7255, Train Loss: 0.3470397889614105  
Epoch: 7256, Train Loss: 0.3487263321876526

Epoch: 7257, Train Loss: 0.35178083181381226  
Epoch: 7258, Train Loss: 0.34425440430641174  
Epoch: 7259, Train Loss: 0.34514546394348145  
Epoch: 7260, Train Loss: 0.349933922290802  
Epoch: 7261, Train Loss: 0.34608158469200134  
Epoch: 7262, Train Loss: 0.3471343517303467  
Epoch: 7263, Train Loss: 0.3432246148586273  
Epoch: 7264, Train Loss: 0.3479437828063965  
Epoch: 7265, Train Loss: 0.3483952283859253  
Epoch: 7266, Train Loss: 0.34470194578170776  
Epoch: 7267, Train Loss: 0.346442312002182  
Epoch: 7268, Train Loss: 0.3462887704372406  
Epoch: 7269, Train Loss: 0.3488454222679138  
Epoch: 7270, Train Loss: 0.3500802516937256  
Epoch: 7271, Train Loss: 0.35111403465270996  
Epoch: 7272, Train Loss: 0.34678149223327637  
Epoch: 7273, Train Loss: 0.34615516662597656  
Epoch: 7274, Train Loss: 0.3515070080757141  
Epoch: 7275, Train Loss: 0.3478891849517822  
Epoch: 7276, Train Loss: 0.35098135471343994  
Epoch: 7277, Train Loss: 0.35076603293418884  
Epoch: 7278, Train Loss: 0.34543469548225403  
Epoch: 7279, Train Loss: 0.34675997495651245  
Epoch: 7280, Train Loss: 0.3492908179759979  
Epoch: 7281, Train Loss: 0.34602585434913635  
Epoch: 7282, Train Loss: 0.3486928343772888  
Epoch: 7283, Train Loss: 0.349173367023468  
Epoch: 7284, Train Loss: 0.34725823998451233  
Epoch: 7285, Train Loss: 0.3430165648460388  
Epoch: 7286, Train Loss: 0.3442361354827881  
Epoch: 7287, Train Loss: 0.350191205739975  
Epoch: 7288, Train Loss: 0.3503890633583069  
Epoch: 7289, Train Loss: 0.34398725628852844  
Epoch: 7290, Train Loss: 0.35024818778038025  
Epoch: 7291, Train Loss: 0.3474784195423126  
Epoch: 7292, Train Loss: 0.3461671769618988  
Epoch: 7293, Train Loss: 0.35122889280319214  
Epoch: 7294, Train Loss: 0.3460480570793152  
Epoch: 7295, Train Loss: 0.3437502980232239  
Epoch: 7296, Train Loss: 0.3513784110546112  
Epoch: 7297, Train Loss: 0.3447735607624054  
Epoch: 7298, Train Loss: 0.34728679060935974  
Epoch: 7299, Train Loss: 0.3500087857246399  
Epoch: 7300, Train Loss: 0.34659430384635925  
Epoch: 7301, Train Loss: 0.3474075496196747  
Epoch: 7302, Train Loss: 0.35005873441696167  
Epoch: 7303, Train Loss: 0.3455227017402649  
Epoch: 7304, Train Loss: 0.3472152352333069  
Epoch: 7305, Train Loss: 0.3475259244441986  
Epoch: 7306, Train Loss: 0.3504011034965515  
Epoch: 7307, Train Loss: 0.34407684206962585  
Epoch: 7308, Train Loss: 0.3476540744304657  
Epoch: 7309, Train Loss: 0.3472321331501007  
Epoch: 7310, Train Loss: 0.3447202444076538  
Epoch: 7311, Train Loss: 0.3494277894496918  
Epoch: 7312, Train Loss: 0.344883531332016  
Epoch: 7313, Train Loss: 0.3517587184906006  
Epoch: 7314, Train Loss: 0.34572428464889526  
Epoch: 7315, Train Loss: 0.3485431969165802  
Epoch: 7316, Train Loss: 0.3493815064430237  
Epoch: 7317, Train Loss: 0.3468850255012512

Epoch: 7318, Train Loss: 0.3471129834651947  
Epoch: 7319, Train Loss: 0.3460470736026764  
Epoch: 7320, Train Loss: 0.34860432147979736  
Epoch: 7321, Train Loss: 0.3484615683555603  
Epoch: 7322, Train Loss: 0.3483150899410248  
Epoch: 7323, Train Loss: 0.3454853892326355  
Epoch: 7324, Train Loss: 0.3476017415523529  
Epoch: 7325, Train Loss: 0.3512726426124573  
Epoch: 7326, Train Loss: 0.34726643562316895  
Epoch: 7327, Train Loss: 0.34761640429496765  
Epoch: 7328, Train Loss: 0.3505341410636902  
Epoch: 7329, Train Loss: 0.3483368456363678  
Epoch: 7330, Train Loss: 0.34777629375457764  
Epoch: 7331, Train Loss: 0.35154902935028076  
Epoch: 7332, Train Loss: 0.34373682737350464  
Epoch: 7333, Train Loss: 0.3486807942390442  
Epoch: 7334, Train Loss: 0.34650546312332153  
Epoch: 7335, Train Loss: 0.347262442111969  
Epoch: 7336, Train Loss: 0.3480415940284729  
Epoch: 7337, Train Loss: 0.3483343720436096  
Epoch: 7338, Train Loss: 0.3498786687850952  
Epoch: 7339, Train Loss: 0.3527352511882782  
Epoch: 7340, Train Loss: 0.34504789113998413  
Epoch: 7341, Train Loss: 0.35197749733924866  
Epoch: 7342, Train Loss: 0.34774234890937805  
Epoch: 7343, Train Loss: 0.3491083085536957  
Epoch: 7344, Train Loss: 0.34896320104599  
Epoch: 7345, Train Loss: 0.34938281774520874  
Epoch: 7346, Train Loss: 0.3455003798007965  
Epoch: 7347, Train Loss: 0.34747132658958435  
Epoch: 7348, Train Loss: 0.34950292110443115  
Epoch: 7349, Train Loss: 0.34804120659828186  
Epoch: 7350, Train Loss: 0.3447915315628052  
Epoch: 7351, Train Loss: 0.3495752513408661  
Epoch: 7352, Train Loss: 0.3481559753417969  
Epoch: 7353, Train Loss: 0.34890657663345337  
Epoch: 7354, Train Loss: 0.3481244742870331  
Epoch: 7355, Train Loss: 0.34507423639297485  
Epoch: 7356, Train Loss: 0.34993308782577515  
Epoch: 7357, Train Loss: 0.34467214345932007  
Epoch: 7358, Train Loss: 0.34727099537849426  
Epoch: 7359, Train Loss: 0.34989720582962036  
Epoch: 7360, Train Loss: 0.3456682562828064  
Epoch: 7361, Train Loss: 0.34901803731918335  
Epoch: 7362, Train Loss: 0.3465968072414398  
Epoch: 7363, Train Loss: 0.35400933027267456  
Epoch: 7364, Train Loss: 0.3465425670146942  
Epoch: 7365, Train Loss: 0.35204869508743286  
Epoch: 7366, Train Loss: 0.3452474772930145  
Epoch: 7367, Train Loss: 0.349960058927536  
Epoch: 7368, Train Loss: 0.3477320075035095  
Epoch: 7369, Train Loss: 0.3475135564804077  
Epoch: 7370, Train Loss: 0.35339879989624023  
Epoch: 7371, Train Loss: 0.34358423948287964  
Epoch: 7372, Train Loss: 0.34730392694473267  
Epoch: 7373, Train Loss: 0.347139447927475  
Epoch: 7374, Train Loss: 0.3455044627189636  
Epoch: 7375, Train Loss: 0.34634435176849365  
Epoch: 7376, Train Loss: 0.34465575218200684  
Epoch: 7377, Train Loss: 0.34804457426071167  
Epoch: 7378, Train Loss: 0.34790951013565063



Epoch: 7379, Train Loss: 0.3480089604854584  
Epoch: 7380, Train Loss: 0.34606730937957764  
Epoch: 7381, Train Loss: 0.3483617603778839  
Epoch: 7382, Train Loss: 0.3467266857624054  
Epoch: 7383, Train Loss: 0.35150405764579773  
Epoch: 7384, Train Loss: 0.34596943855285645  
Epoch: 7385, Train Loss: 0.3437715172767639  
Epoch: 7386, Train Loss: 0.3462150990962982  
Epoch: 7387, Train Loss: 0.35042524337768555  
Epoch: 7388, Train Loss: 0.3447355329990387  
Epoch: 7389, Train Loss: 0.35163599252700806  
Epoch: 7390, Train Loss: 0.34590715169906616  
Epoch: 7391, Train Loss: 0.34652167558670044  
Epoch: 7392, Train Loss: 0.34790563583374023  
Epoch: 7393, Train Loss: 0.34548988938331604  
Epoch: 7394, Train Loss: 0.34610339999198914  
Epoch: 7395, Train Loss: 0.3442203998565674  
Epoch: 7396, Train Loss: 0.35147860646247864  
Epoch: 7397, Train Loss: 0.3470919728279114  
Epoch: 7398, Train Loss: 0.3481471538543701  
Epoch: 7399, Train Loss: 0.353493869304657  
Epoch: 7400, Train Loss: 0.35010892152786255  
Epoch: 7401, Train Loss: 0.34576892852783203  
Epoch: 7402, Train Loss: 0.3511911928653717  
Epoch: 7403, Train Loss: 0.34664541482925415  
Epoch: 7404, Train Loss: 0.3489101529121399  
Epoch: 7405, Train Loss: 0.349517285823822  
Epoch: 7406, Train Loss: 0.3445318937301636  
Epoch: 7407, Train Loss: 0.3499903380870819  
Epoch: 7408, Train Loss: 0.3476826250553131  
Epoch: 7409, Train Loss: 0.34872233867645264  
Epoch: 7410, Train Loss: 0.3471294939517975  
Epoch: 7411, Train Loss: 0.35155871510505676  
Epoch: 7412, Train Loss: 0.3456732928752899  
Epoch: 7413, Train Loss: 0.34590521454811096  
Epoch: 7414, Train Loss: 0.3477287292480469  
Epoch: 7415, Train Loss: 0.35120299458503723  
Epoch: 7416, Train Loss: 0.3480362296104431  
Epoch: 7417, Train Loss: 0.34668079018592834  
Epoch: 7418, Train Loss: 0.34733518958091736  
Epoch: 7419, Train Loss: 0.346219927072525  
Epoch: 7420, Train Loss: 0.346794456243515  
Epoch: 7421, Train Loss: 0.34855887293815613  
Epoch: 7422, Train Loss: 0.34612998366355896  
Epoch: 7423, Train Loss: 0.3480254113674164  
Epoch: 7424, Train Loss: 0.34513556957244873  
Epoch: 7425, Train Loss: 0.3471558690071106  
Epoch: 7426, Train Loss: 0.3449244201183319  
Epoch: 7427, Train Loss: 0.34821683168411255  
Epoch: 7428, Train Loss: 0.34415215253829956  
Epoch: 7429, Train Loss: 0.34736791253089905  
Epoch: 7430, Train Loss: 0.34363430738449097  
Epoch: 7431, Train Loss: 0.3473629355430603  
Epoch: 7432, Train Loss: 0.34877049922943115  
Epoch: 7433, Train Loss: 0.34560003876686096  
Epoch: 7434, Train Loss: 0.35225582122802734  
Epoch: 7435, Train Loss: 0.3481254279613495  
Epoch: 7436, Train Loss: 0.3465949296951294  
Epoch: 7437, Train Loss: 0.349104106426239  
Epoch: 7438, Train Loss: 0.3496449291706085  
Epoch: 7439, Train Loss: 0.3457406163215637

Epoch: 7440, Train Loss: 0.3504580855369568  
Epoch: 7441, Train Loss: 0.3456321358680725  
Epoch: 7442, Train Loss: 0.34767472743988037  
Epoch: 7443, Train Loss: 0.3496834635734558  
Epoch: 7444, Train Loss: 0.3469749391078949  
Epoch: 7445, Train Loss: 0.34889838099479675  
Epoch: 7446, Train Loss: 0.34958213567733765  
Epoch: 7447, Train Loss: 0.3485065996646881  
Epoch: 7448, Train Loss: 0.3493214249610901  
Epoch: 7449, Train Loss: 0.3466770052909851  
Epoch: 7450, Train Loss: 0.3466963768005371  
Epoch: 7451, Train Loss: 0.3489411473274231  
Epoch: 7452, Train Loss: 0.3481592535972595  
Epoch: 7453, Train Loss: 0.3451452851295471  
Epoch: 7454, Train Loss: 0.34605398774147034  
Epoch: 7455, Train Loss: 0.3488684892654419  
Epoch: 7456, Train Loss: 0.34708505868911743  
Epoch: 7457, Train Loss: 0.3471713662147522  
Epoch: 7458, Train Loss: 0.3462177515029907  
Epoch: 7459, Train Loss: 0.34404516220092773  
Epoch: 7460, Train Loss: 0.3494969308376312  
Epoch: 7461, Train Loss: 0.34934887290000916  
Epoch: 7462, Train Loss: 0.34531790018081665  
Epoch: 7463, Train Loss: 0.34714287519454956  
Epoch: 7464, Train Loss: 0.34917736053466797  
Epoch: 7465, Train Loss: 0.3516927659511566  
Epoch: 7466, Train Loss: 0.3476455509662628  
Epoch: 7467, Train Loss: 0.3469456434249878  
Epoch: 7468, Train Loss: 0.3470006585121155  
Epoch: 7469, Train Loss: 0.3492138385772705  
Epoch: 7470, Train Loss: 0.3502539396286011  
Epoch: 7471, Train Loss: 0.3488989472389221  
Epoch: 7472, Train Loss: 0.3513491749763489  
Epoch: 7473, Train Loss: 0.3467439115047455  
Epoch: 7474, Train Loss: 0.3466074764728546  
Epoch: 7475, Train Loss: 0.34427762031555176  
Epoch: 7476, Train Loss: 0.3471790850162506  
Epoch: 7477, Train Loss: 0.3461639881134033  
Epoch: 7478, Train Loss: 0.34574681520462036  
Epoch: 7479, Train Loss: 0.3499743342399597  
Epoch: 7480, Train Loss: 0.34813934564590454  
Epoch: 7481, Train Loss: 0.34227102994918823  
Epoch: 7482, Train Loss: 0.3479411005973816  
Epoch: 7483, Train Loss: 0.34627917408943176  
Epoch: 7484, Train Loss: 0.3471023738384247  
Epoch: 7485, Train Loss: 0.3463149070739746  
Epoch: 7486, Train Loss: 0.3447783291339874  
Epoch: 7487, Train Loss: 0.34834524989128113  
Epoch: 7488, Train Loss: 0.3580252230167389  
Epoch: 7489, Train Loss: 0.3480568528175354  
Epoch: 7490, Train Loss: 0.349287211894989  
Epoch: 7491, Train Loss: 0.34872469305992126  
Epoch: 7492, Train Loss: 0.34473514556884766  
Epoch: 7493, Train Loss: 0.3481658101081848  
Epoch: 7494, Train Loss: 0.3460056185722351  
Epoch: 7495, Train Loss: 0.34743502736091614  
Epoch: 7496, Train Loss: 0.344454824924469  
Epoch: 7497, Train Loss: 0.3528180718421936  
Epoch: 7498, Train Loss: 0.34784239530563354  
Epoch: 7499, Train Loss: 0.3432539105415344  
Epoch: 7500, Train Loss: 0.3500560224056244

Epoch: 7501, Train Loss: 0.34530746936798096  
Epoch: 7502, Train Loss: 0.35184234380722046  
Epoch: 7503, Train Loss: 0.3463525176048279  
Epoch: 7504, Train Loss: 0.34784457087516785  
Epoch: 7505, Train Loss: 0.34876832365989685  
Epoch: 7506, Train Loss: 0.3472285568714142  
Epoch: 7507, Train Loss: 0.3446839153766632  
Epoch: 7508, Train Loss: 0.3449751138687134  
Epoch: 7509, Train Loss: 0.34339654445648193  
Epoch: 7510, Train Loss: 0.35027819871902466  
Epoch: 7511, Train Loss: 0.3465290069580078  
Epoch: 7512, Train Loss: 0.3492569923400879  
Epoch: 7513, Train Loss: 0.34274691343307495  
Epoch: 7514, Train Loss: 0.3513088524341583  
Epoch: 7515, Train Loss: 0.3485744595527649  
Epoch: 7516, Train Loss: 0.34774690866470337  
Epoch: 7517, Train Loss: 0.3482023775577545  
Epoch: 7518, Train Loss: 0.34767553210258484  
Epoch: 7519, Train Loss: 0.34666407108306885  
Epoch: 7520, Train Loss: 0.34874826669692993  
Epoch: 7521, Train Loss: 0.34519362449645996  
Epoch: 7522, Train Loss: 0.345618337392807  
Epoch: 7523, Train Loss: 0.3475385308265686  
Epoch: 7524, Train Loss: 0.3463524878025055  
Epoch: 7525, Train Loss: 0.3521955609321594  
Epoch: 7526, Train Loss: 0.3459568917751312  
Epoch: 7527, Train Loss: 0.3472088873386383  
Epoch: 7528, Train Loss: 0.3479437232017517  
Epoch: 7529, Train Loss: 0.34829282760620117  
Epoch: 7530, Train Loss: 0.34500834345817566  
Epoch: 7531, Train Loss: 0.3509383499622345  
Epoch: 7532, Train Loss: 0.35019493103027344  
Epoch: 7533, Train Loss: 0.346623033285141  
Epoch: 7534, Train Loss: 0.34613901376724243  
Epoch: 7535, Train Loss: 0.34761595726013184  
Epoch: 7536, Train Loss: 0.3448813557624817  
Epoch: 7537, Train Loss: 0.3476935923099518  
Epoch: 7538, Train Loss: 0.34596261382102966  
Epoch: 7539, Train Loss: 0.3462672829627991  
Epoch: 7540, Train Loss: 0.34479066729545593  
Epoch: 7541, Train Loss: 0.34549790620803833  
Epoch: 7542, Train Loss: 0.3508990406990051  
Epoch: 7543, Train Loss: 0.35086122155189514  
Epoch: 7544, Train Loss: 0.3476963937282562  
Epoch: 7545, Train Loss: 0.3463212549686432  
Epoch: 7546, Train Loss: 0.34503084421157837  
Epoch: 7547, Train Loss: 0.3491383194923401  
Epoch: 7548, Train Loss: 0.34581971168518066  
Epoch: 7549, Train Loss: 0.3473523259162903  
Epoch: 7550, Train Loss: 0.346743643283844  
Epoch: 7551, Train Loss: 0.3468892574310303  
Epoch: 7552, Train Loss: 0.3434065878391266  
Epoch: 7553, Train Loss: 0.3444473147392273  
Epoch: 7554, Train Loss: 0.34978342056274414  
Epoch: 7555, Train Loss: 0.34503069519996643  
Epoch: 7556, Train Loss: 0.34494370222091675  
Epoch: 7557, Train Loss: 0.3494842052459717  
Epoch: 7558, Train Loss: 0.3471556007862091  
Epoch: 7559, Train Loss: 0.34800440073013306  
Epoch: 7560, Train Loss: 0.34666579961776733  
Epoch: 7561, Train Loss: 0.3473716974258423

Epoch: 7562, Train Loss: 0.3451353907585144  
Epoch: 7563, Train Loss: 0.3473205268383026  
Epoch: 7564, Train Loss: 0.34641149640083313  
Epoch: 7565, Train Loss: 0.3451574444770813  
Epoch: 7566, Train Loss: 0.34708207845687866  
Epoch: 7567, Train Loss: 0.34695976972579956  
Epoch: 7568, Train Loss: 0.3469076454639435  
Epoch: 7569, Train Loss: 0.34544306993484497  
Epoch: 7570, Train Loss: 0.34926265478134155  
Epoch: 7571, Train Loss: 0.34304603934288025  
Epoch: 7572, Train Loss: 0.34858644008636475  
Epoch: 7573, Train Loss: 0.34388989210128784  
Epoch: 7574, Train Loss: 0.34515777230262756  
Epoch: 7575, Train Loss: 0.3491714596748352  
Epoch: 7576, Train Loss: 0.34653419256210327  
Epoch: 7577, Train Loss: 0.3519907295703888  
Epoch: 7578, Train Loss: 0.3471865653991699  
Epoch: 7579, Train Loss: 0.34796059131622314  
Epoch: 7580, Train Loss: 0.34858381748199463  
Epoch: 7581, Train Loss: 0.3533633351325989  
Epoch: 7582, Train Loss: 0.34967750310897827  
Epoch: 7583, Train Loss: 0.3500669002532959  
Epoch: 7584, Train Loss: 0.34787386655807495  
Epoch: 7585, Train Loss: 0.3464243412017822  
Epoch: 7586, Train Loss: 0.34979817271232605  
Epoch: 7587, Train Loss: 0.3497844338417053  
Epoch: 7588, Train Loss: 0.3466559946537018  
Epoch: 7589, Train Loss: 0.3464425206184387  
Epoch: 7590, Train Loss: 0.34574323892593384  
Epoch: 7591, Train Loss: 0.34612634778022766  
Epoch: 7592, Train Loss: 0.3460366129875183  
Epoch: 7593, Train Loss: 0.34442415833473206  
Epoch: 7594, Train Loss: 0.3461977541446686  
Epoch: 7595, Train Loss: 0.34633830189704895  
Epoch: 7596, Train Loss: 0.3445463478565216  
Epoch: 7597, Train Loss: 0.34782475233078003  
Epoch: 7598, Train Loss: 0.34464433789253235  
Epoch: 7599, Train Loss: 0.343180775642395  
Epoch: 7600, Train Loss: 0.3461245596408844  
Epoch: 7601, Train Loss: 0.34786659479141235  
Epoch: 7602, Train Loss: 0.3465839922428131  
Epoch: 7603, Train Loss: 0.34726861119270325  
Epoch: 7604, Train Loss: 0.3465959131717682  
Epoch: 7605, Train Loss: 0.34526151418685913  
Epoch: 7606, Train Loss: 0.34940773248672485  
Epoch: 7607, Train Loss: 0.3470601737499237  
Epoch: 7608, Train Loss: 0.3522500991821289  
Epoch: 7609, Train Loss: 0.3488607406616211  
Epoch: 7610, Train Loss: 0.3460756838321686  
Epoch: 7611, Train Loss: 0.3443882167339325  
Epoch: 7612, Train Loss: 0.3436429798603058  
Epoch: 7613, Train Loss: 0.3455909490585327  
Epoch: 7614, Train Loss: 0.3499237298965454  
Epoch: 7615, Train Loss: 0.3476203978061676  
Epoch: 7616, Train Loss: 0.3486529588699341  
Epoch: 7617, Train Loss: 0.3476523756980896  
Epoch: 7618, Train Loss: 0.34439772367477417  
Epoch: 7619, Train Loss: 0.3443591594696045  
Epoch: 7620, Train Loss: 0.35218197107315063  
Epoch: 7621, Train Loss: 0.3446214199066162  
Epoch: 7622, Train Loss: 0.34753990173339844

Epoch: 7623, Train Loss: 0.34709474444389343  
Epoch: 7624, Train Loss: 0.34682217240333557  
Epoch: 7625, Train Loss: 0.34646785259246826  
Epoch: 7626, Train Loss: 0.34758517146110535  
Epoch: 7627, Train Loss: 0.34538954496383667  
Epoch: 7628, Train Loss: 0.34558019042015076  
Epoch: 7629, Train Loss: 0.34624189138412476  
Epoch: 7630, Train Loss: 0.34545308351516724  
Epoch: 7631, Train Loss: 0.3436771631240845  
Epoch: 7632, Train Loss: 0.3472311496734619  
Epoch: 7633, Train Loss: 0.34818026423454285  
Epoch: 7634, Train Loss: 0.34188345074653625  
Epoch: 7635, Train Loss: 0.3479509949684143  
Epoch: 7636, Train Loss: 0.3462560772895813  
Epoch: 7637, Train Loss: 0.3440885543823242  
Epoch: 7638, Train Loss: 0.3471803367137909  
Epoch: 7639, Train Loss: 0.34738868474960327  
Epoch: 7640, Train Loss: 0.3427163064479828  
Epoch: 7641, Train Loss: 0.3434284031391144  
Epoch: 7642, Train Loss: 0.34548303484916687  
Epoch: 7643, Train Loss: 0.3464568555355072  
Epoch: 7644, Train Loss: 0.35084328055381775  
Epoch: 7645, Train Loss: 0.3453352749347687  
Epoch: 7646, Train Loss: 0.3462715446949005  
Epoch: 7647, Train Loss: 0.34327298402786255  
Epoch: 7648, Train Loss: 0.3474999666213989  
Epoch: 7649, Train Loss: 0.34186622500419617  
Epoch: 7650, Train Loss: 0.347691148519516  
Epoch: 7651, Train Loss: 0.3442867696285248  
Epoch: 7652, Train Loss: 0.34583112597465515  
Epoch: 7653, Train Loss: 0.3447520136833191  
Epoch: 7654, Train Loss: 0.3455871343612671  
Epoch: 7655, Train Loss: 0.34953275322914124  
Epoch: 7656, Train Loss: 0.3471168875694275  
Epoch: 7657, Train Loss: 0.3466637134552002  
Epoch: 7658, Train Loss: 0.3490534722805023  
Epoch: 7659, Train Loss: 0.347575306892395  
Epoch: 7660, Train Loss: 0.3466956913471222  
Epoch: 7661, Train Loss: 0.35008150339126587  
Epoch: 7662, Train Loss: 0.3479136824607849  
Epoch: 7663, Train Loss: 0.34435099363327026  
Epoch: 7664, Train Loss: 0.3445207476615906  
Epoch: 7665, Train Loss: 0.3460281789302826  
Epoch: 7666, Train Loss: 0.3485490381717682  
Epoch: 7667, Train Loss: 0.3462424874305725  
Epoch: 7668, Train Loss: 0.347420871257782  
Epoch: 7669, Train Loss: 0.3463596701622009  
Epoch: 7670, Train Loss: 0.3448701500892639  
Epoch: 7671, Train Loss: 0.3451603055000305  
Epoch: 7672, Train Loss: 0.34710627794265747  
Epoch: 7673, Train Loss: 0.34509360790252686  
Epoch: 7674, Train Loss: 0.3462523818016052  
Epoch: 7675, Train Loss: 0.35029181838035583  
Epoch: 7676, Train Loss: 0.3479110598564148  
Epoch: 7677, Train Loss: 0.34711363911628723  
Epoch: 7678, Train Loss: 0.34722426533699036  
Epoch: 7679, Train Loss: 0.34501489996910095  
Epoch: 7680, Train Loss: 0.34621572494506836  
Epoch: 7681, Train Loss: 0.3438889980316162  
Epoch: 7682, Train Loss: 0.3445867598056793  
Epoch: 7683, Train Loss: 0.34508123993873596

Epoch: 7684, Train Loss: 0.34474068880081177  
Epoch: 7685, Train Loss: 0.34673476219177246  
Epoch: 7686, Train Loss: 0.3449079990386963  
Epoch: 7687, Train Loss: 0.34697553515434265  
Epoch: 7688, Train Loss: 0.3476547598838806  
Epoch: 7689, Train Loss: 0.34647974371910095  
Epoch: 7690, Train Loss: 0.34512096643447876  
Epoch: 7691, Train Loss: 0.34661442041397095  
Epoch: 7692, Train Loss: 0.3406515419483185  
Epoch: 7693, Train Loss: 0.3481051027774811  
Epoch: 7694, Train Loss: 0.34615740180015564  
Epoch: 7695, Train Loss: 0.3440655469894409  
Epoch: 7696, Train Loss: 0.34845200181007385  
Epoch: 7697, Train Loss: 0.34565240144729614  
Epoch: 7698, Train Loss: 0.3454256057739258  
Epoch: 7699, Train Loss: 0.3486536145210266  
Epoch: 7700, Train Loss: 0.34764161705970764  
Epoch: 7701, Train Loss: 0.3428003489971161  
Epoch: 7702, Train Loss: 0.3476427495479584  
Epoch: 7703, Train Loss: 0.34423238039016724  
Epoch: 7704, Train Loss: 0.3447035253047943  
Epoch: 7705, Train Loss: 0.3467102646827698  
Epoch: 7706, Train Loss: 0.3449719548225403  
Epoch: 7707, Train Loss: 0.3481714129447937  
Epoch: 7708, Train Loss: 0.34250614047050476  
Epoch: 7709, Train Loss: 0.3462812900543213  
Epoch: 7710, Train Loss: 0.347263902425766  
Epoch: 7711, Train Loss: 0.3444453179836273  
Epoch: 7712, Train Loss: 0.348977655172348  
Epoch: 7713, Train Loss: 0.3478855788707733  
Epoch: 7714, Train Loss: 0.34295979142189026  
Epoch: 7715, Train Loss: 0.34383946657180786  
Epoch: 7716, Train Loss: 0.34985843300819397  
Epoch: 7717, Train Loss: 0.3444760739803314  
Epoch: 7718, Train Loss: 0.34372907876968384  
Epoch: 7719, Train Loss: 0.34484922885894775  
Epoch: 7720, Train Loss: 0.3465123474597931  
Epoch: 7721, Train Loss: 0.34875088930130005  
Epoch: 7722, Train Loss: 0.3455008864402771  
Epoch: 7723, Train Loss: 0.3460158407688141  
Epoch: 7724, Train Loss: 0.3422645330429077  
Epoch: 7725, Train Loss: 0.3483043313026428  
Epoch: 7726, Train Loss: 0.3471977114677429  
Epoch: 7727, Train Loss: 0.34981095790863037  
Epoch: 7728, Train Loss: 0.3454066216945648  
Epoch: 7729, Train Loss: 0.3475624620914459  
Epoch: 7730, Train Loss: 0.34458211064338684  
Epoch: 7731, Train Loss: 0.34218499064445496  
Epoch: 7732, Train Loss: 0.34855973720550537  
Epoch: 7733, Train Loss: 0.34681466221809387  
Epoch: 7734, Train Loss: 0.3450040817260742  
Epoch: 7735, Train Loss: 0.34309953451156616  
Epoch: 7736, Train Loss: 0.34679287672042847  
Epoch: 7737, Train Loss: 0.3452228903770447  
Epoch: 7738, Train Loss: 0.3457857668399811  
Epoch: 7739, Train Loss: 0.34547990560531616  
Epoch: 7740, Train Loss: 0.3491041660308838  
Epoch: 7741, Train Loss: 0.3449743390083313  
Epoch: 7742, Train Loss: 0.34198346734046936  
Epoch: 7743, Train Loss: 0.3423873782157898  
Epoch: 7744, Train Loss: 0.3430221974849701

Epoch: 7745, Train Loss: 0.3455124497413635  
Epoch: 7746, Train Loss: 0.34697842597961426  
Epoch: 7747, Train Loss: 0.34588301181793213  
Epoch: 7748, Train Loss: 0.3459329605102539  
Epoch: 7749, Train Loss: 0.34982091188430786  
Epoch: 7750, Train Loss: 0.34492337703704834  
Epoch: 7751, Train Loss: 0.34522828459739685  
Epoch: 7752, Train Loss: 0.3441939949989319  
Epoch: 7753, Train Loss: 0.34694963693618774  
Epoch: 7754, Train Loss: 0.34906885027885437  
Epoch: 7755, Train Loss: 0.34920042753219604  
Epoch: 7756, Train Loss: 0.3499513268470764  
Epoch: 7757, Train Loss: 0.34570443630218506  
Epoch: 7758, Train Loss: 0.34600675106048584  
Epoch: 7759, Train Loss: 0.3516145348548889  
Epoch: 7760, Train Loss: 0.34798356890678406  
Epoch: 7761, Train Loss: 0.345655232667923  
Epoch: 7762, Train Loss: 0.34938952326774597  
Epoch: 7763, Train Loss: 0.3457980751991272  
Epoch: 7764, Train Loss: 0.34457477927207947  
Epoch: 7765, Train Loss: 0.34591710567474365  
Epoch: 7766, Train Loss: 0.34288400411605835  
Epoch: 7767, Train Loss: 0.3452185094356537  
Epoch: 7768, Train Loss: 0.3461442291736603  
Epoch: 7769, Train Loss: 0.34540265798568726  
Epoch: 7770, Train Loss: 0.3451498746871948  
Epoch: 7771, Train Loss: 0.34661561250686646  
Epoch: 7772, Train Loss: 0.34665679931640625  
Epoch: 7773, Train Loss: 0.3443746268749237  
Epoch: 7774, Train Loss: 0.34892287850379944  
Epoch: 7775, Train Loss: 0.3430025279521942  
Epoch: 7776, Train Loss: 0.34683576226234436  
Epoch: 7777, Train Loss: 0.3489993214607239  
Epoch: 7778, Train Loss: 0.34310269355773926  
Epoch: 7779, Train Loss: 0.34568947553634644  
Epoch: 7780, Train Loss: 0.3429349362850189  
Epoch: 7781, Train Loss: 0.3470699191093445  
Epoch: 7782, Train Loss: 0.34558945894241333  
Epoch: 7783, Train Loss: 0.34628671407699585  
Epoch: 7784, Train Loss: 0.3488726019859314  
Epoch: 7785, Train Loss: 0.34685444831848145  
Epoch: 7786, Train Loss: 0.3452877104282379  
Epoch: 7787, Train Loss: 0.345390260219574  
Epoch: 7788, Train Loss: 0.34259939193725586  
Epoch: 7789, Train Loss: 0.34532463550567627  
Epoch: 7790, Train Loss: 0.3449704349040985  
Epoch: 7791, Train Loss: 0.3439212143421173  
Epoch: 7792, Train Loss: 0.3489297032356262  
Epoch: 7793, Train Loss: 0.34558945894241333  
Epoch: 7794, Train Loss: 0.34641343355178833  
Epoch: 7795, Train Loss: 0.3477011024951935  
Epoch: 7796, Train Loss: 0.3492072820663452  
Epoch: 7797, Train Loss: 0.3468344807624817  
Epoch: 7798, Train Loss: 0.3450261354446411  
Epoch: 7799, Train Loss: 0.3514239192008972  
Epoch: 7800, Train Loss: 0.3456878364086151  
Epoch: 7801, Train Loss: 0.34297770261764526  
Epoch: 7802, Train Loss: 0.34350472688674927  
Epoch: 7803, Train Loss: 0.3449100852012634  
Epoch: 7804, Train Loss: 0.34485846757888794  
Epoch: 7805, Train Loss: 0.3445310890674591

Epoch: 7806, Train Loss: 0.34476953744888306  
Epoch: 7807, Train Loss: 0.3453059792518616  
Epoch: 7808, Train Loss: 0.34739965200424194  
Epoch: 7809, Train Loss: 0.3438715636730194  
Epoch: 7810, Train Loss: 0.34566736221313477  
Epoch: 7811, Train Loss: 0.34763750433921814  
Epoch: 7812, Train Loss: 0.3482489585876465  
Epoch: 7813, Train Loss: 0.34494680166244507  
Epoch: 7814, Train Loss: 0.3505416512489319  
Epoch: 7815, Train Loss: 0.34213876724243164  
Epoch: 7816, Train Loss: 0.3459157347679138  
Epoch: 7817, Train Loss: 0.34371334314346313  
Epoch: 7818, Train Loss: 0.3437409996986389  
Epoch: 7819, Train Loss: 0.34454286098480225  
Epoch: 7820, Train Loss: 0.3485023081302643  
Epoch: 7821, Train Loss: 0.344197541475296  
Epoch: 7822, Train Loss: 0.3453747630119324  
Epoch: 7823, Train Loss: 0.34973207116127014  
Epoch: 7824, Train Loss: 0.3467215299606323  
Epoch: 7825, Train Loss: 0.34584227204322815  
Epoch: 7826, Train Loss: 0.34820419549942017  
Epoch: 7827, Train Loss: 0.34649357199668884  
Epoch: 7828, Train Loss: 0.3474302887916565  
Epoch: 7829, Train Loss: 0.34856265783309937  
Epoch: 7830, Train Loss: 0.345289409160614  
Epoch: 7831, Train Loss: 0.34745141863822937  
Epoch: 7832, Train Loss: 0.3429858982563019  
Epoch: 7833, Train Loss: 0.3466694951057434  
Epoch: 7834, Train Loss: 0.3464142680168152  
Epoch: 7835, Train Loss: 0.3503974378108978  
Epoch: 7836, Train Loss: 0.3516250252723694  
Epoch: 7837, Train Loss: 0.34932741522789  
Epoch: 7838, Train Loss: 0.34505829215049744  
Epoch: 7839, Train Loss: 0.3476673662662506  
Epoch: 7840, Train Loss: 0.34780582785606384  
Epoch: 7841, Train Loss: 0.34223225712776184  
Epoch: 7842, Train Loss: 0.3423617482185364  
Epoch: 7843, Train Loss: 0.3448551893234253  
Epoch: 7844, Train Loss: 0.3438243269920349  
Epoch: 7845, Train Loss: 0.3423907160758972  
Epoch: 7846, Train Loss: 0.3520985245704651  
Epoch: 7847, Train Loss: 0.347044438123703  
Epoch: 7848, Train Loss: 0.349834144115448  
Epoch: 7849, Train Loss: 0.34355783462524414  
Epoch: 7850, Train Loss: 0.3511834442615509  
Epoch: 7851, Train Loss: 0.3471508026123047  
Epoch: 7852, Train Loss: 0.3461425006389618  
Epoch: 7853, Train Loss: 0.3443819582462311  
Epoch: 7854, Train Loss: 0.3456314206123352  
Epoch: 7855, Train Loss: 0.3493180572986603  
Epoch: 7856, Train Loss: 0.3429277539253235  
Epoch: 7857, Train Loss: 0.3484036922454834  
Epoch: 7858, Train Loss: 0.3421337604522705  
Epoch: 7859, Train Loss: 0.3447914719581604  
Epoch: 7860, Train Loss: 0.3495771884918213  
Epoch: 7861, Train Loss: 0.3455207347869873  
Epoch: 7862, Train Loss: 0.3486771881580353  
Epoch: 7863, Train Loss: 0.346858412027359  
Epoch: 7864, Train Loss: 0.3463013172149658  
Epoch: 7865, Train Loss: 0.34257036447525024  
Epoch: 7866, Train Loss: 0.34710532426834106



Epoch: 7867, Train Loss: 0.34705787897109985  
Epoch: 7868, Train Loss: 0.34865689277648926  
Epoch: 7869, Train Loss: 0.34085455536842346  
Epoch: 7870, Train Loss: 0.3472188115119934  
Epoch: 7871, Train Loss: 0.3420543074607849  
Epoch: 7872, Train Loss: 0.3466288447380066  
Epoch: 7873, Train Loss: 0.3500199019908905  
Epoch: 7874, Train Loss: 0.34718117117881775  
Epoch: 7875, Train Loss: 0.34655648469924927  
Epoch: 7876, Train Loss: 0.34389448165893555  
Epoch: 7877, Train Loss: 0.3467087745666504  
Epoch: 7878, Train Loss: 0.34325239062309265  
Epoch: 7879, Train Loss: 0.34568172693252563  
Epoch: 7880, Train Loss: 0.34351199865341187  
Epoch: 7881, Train Loss: 0.3431521952152252  
Epoch: 7882, Train Loss: 0.34628209471702576  
Epoch: 7883, Train Loss: 0.34464505314826965  
Epoch: 7884, Train Loss: 0.34414511919021606  
Epoch: 7885, Train Loss: 0.34609097242355347  
Epoch: 7886, Train Loss: 0.34749120473861694  
Epoch: 7887, Train Loss: 0.3463556170463562  
Epoch: 7888, Train Loss: 0.34176334738731384  
Epoch: 7889, Train Loss: 0.345465749502182  
Epoch: 7890, Train Loss: 0.3432117700576782  
Epoch: 7891, Train Loss: 0.3471181392669678  
Epoch: 7892, Train Loss: 0.34616324305534363  
Epoch: 7893, Train Loss: 0.35035544633865356  
Epoch: 7894, Train Loss: 0.3446308672428131  
Epoch: 7895, Train Loss: 0.3465408384799957  
Epoch: 7896, Train Loss: 0.3509085774421692  
Epoch: 7897, Train Loss: 0.3452453315258026  
Epoch: 7898, Train Loss: 0.34544673562049866  
Epoch: 7899, Train Loss: 0.34476494789123535  
Epoch: 7900, Train Loss: 0.3461231291294098  
Epoch: 7901, Train Loss: 0.3451920449733734  
Epoch: 7902, Train Loss: 0.3476286828517914  
Epoch: 7903, Train Loss: 0.3451537787914276  
Epoch: 7904, Train Loss: 0.34482353925704956  
Epoch: 7905, Train Loss: 0.3460771441459656  
Epoch: 7906, Train Loss: 0.34589189291000366  
Epoch: 7907, Train Loss: 0.34475642442703247  
Epoch: 7908, Train Loss: 0.34715062379837036  
Epoch: 7909, Train Loss: 0.3478084206581116  
Epoch: 7910, Train Loss: 0.34543269872665405  
Epoch: 7911, Train Loss: 0.3444104790687561  
Epoch: 7912, Train Loss: 0.3440384864807129  
Epoch: 7913, Train Loss: 0.3474765419960022  
Epoch: 7914, Train Loss: 0.34552326798439026  
Epoch: 7915, Train Loss: 0.344760000705719  
Epoch: 7916, Train Loss: 0.3485200107097626  
Epoch: 7917, Train Loss: 0.34557288885116577  
Epoch: 7918, Train Loss: 0.34544944763183594  
Epoch: 7919, Train Loss: 0.3470528721809387  
Epoch: 7920, Train Loss: 0.3431839048862457  
Epoch: 7921, Train Loss: 0.34176599979400635  
Epoch: 7922, Train Loss: 0.3473856449127197  
Epoch: 7923, Train Loss: 0.3434986174106598  
Epoch: 7924, Train Loss: 0.3466922640800476  
Epoch: 7925, Train Loss: 0.3500130772590637  
Epoch: 7926, Train Loss: 0.3473016023635864  
Epoch: 7927, Train Loss: 0.3468577265739441

Epoch: 7928, Train Loss: 0.347861111164093  
Epoch: 7929, Train Loss: 0.3448677659034729  
Epoch: 7930, Train Loss: 0.34464317560195923  
Epoch: 7931, Train Loss: 0.3430154621601105  
Epoch: 7932, Train Loss: 0.34332284331321716  
Epoch: 7933, Train Loss: 0.3433564305305481  
Epoch: 7934, Train Loss: 0.351614773273468  
Epoch: 7935, Train Loss: 0.3467048108577728  
Epoch: 7936, Train Loss: 0.3422906696796417  
Epoch: 7937, Train Loss: 0.3447953462600708  
Epoch: 7938, Train Loss: 0.34600913524627686  
Epoch: 7939, Train Loss: 0.3437926173210144  
Epoch: 7940, Train Loss: 0.3424467146396637  
Epoch: 7941, Train Loss: 0.3453797698020935  
Epoch: 7942, Train Loss: 0.34299808740615845  
Epoch: 7943, Train Loss: 0.34799009561538696  
Epoch: 7944, Train Loss: 0.34724289178848267  
Epoch: 7945, Train Loss: 0.34530359506607056  
Epoch: 7946, Train Loss: 0.3468424677848816  
Epoch: 7947, Train Loss: 0.3493032455444336  
Epoch: 7948, Train Loss: 0.34551820158958435  
Epoch: 7949, Train Loss: 0.34509798884391785  
Epoch: 7950, Train Loss: 0.3447408676147461  
Epoch: 7951, Train Loss: 0.34764567017555237  
Epoch: 7952, Train Loss: 0.3465995192527771  
Epoch: 7953, Train Loss: 0.34695059061050415  
Epoch: 7954, Train Loss: 0.3460868000984192  
Epoch: 7955, Train Loss: 0.34585875272750854  
Epoch: 7956, Train Loss: 0.3436213433742523  
Epoch: 7957, Train Loss: 0.34464019536972046  
Epoch: 7958, Train Loss: 0.343501478433609  
Epoch: 7959, Train Loss: 0.3446998596191406  
Epoch: 7960, Train Loss: 0.34914952516555786  
Epoch: 7961, Train Loss: 0.34197986125946045  
Epoch: 7962, Train Loss: 0.34302037954330444  
Epoch: 7963, Train Loss: 0.3448772132396698  
Epoch: 7964, Train Loss: 0.34417447447776794  
Epoch: 7965, Train Loss: 0.3426443934440613  
Epoch: 7966, Train Loss: 0.3472254276275635  
Epoch: 7967, Train Loss: 0.3458584249019623  
Epoch: 7968, Train Loss: 0.3452240526676178  
Epoch: 7969, Train Loss: 0.34442371129989624  
Epoch: 7970, Train Loss: 0.34286627173423767  
Epoch: 7971, Train Loss: 0.3454418480396271  
Epoch: 7972, Train Loss: 0.3451777994632721  
Epoch: 7973, Train Loss: 0.3466790020465851  
Epoch: 7974, Train Loss: 0.34476372599601746  
Epoch: 7975, Train Loss: 0.3471781015396118  
Epoch: 7976, Train Loss: 0.3456270396709442  
Epoch: 7977, Train Loss: 0.3411184251308441  
Epoch: 7978, Train Loss: 0.3470311462879181  
Epoch: 7979, Train Loss: 0.3453267216682434  
Epoch: 7980, Train Loss: 0.3430664837360382  
Epoch: 7981, Train Loss: 0.3450520634651184  
Epoch: 7982, Train Loss: 0.3446667790412903  
Epoch: 7983, Train Loss: 0.348827064037323  
Epoch: 7984, Train Loss: 0.34832465648651123  
Epoch: 7985, Train Loss: 0.34370744228363037  
Epoch: 7986, Train Loss: 0.3450862169265747  
Epoch: 7987, Train Loss: 0.34614139795303345  
Epoch: 7988, Train Loss: 0.34382468461990356

Epoch: 7989, Train Loss: 0.34276342391967773  
Epoch: 7990, Train Loss: 0.34460338950157166  
Epoch: 7991, Train Loss: 0.34255272150039673  
Epoch: 7992, Train Loss: 0.3475852608680725  
Epoch: 7993, Train Loss: 0.34354275465011597  
Epoch: 7994, Train Loss: 0.34466618299484253  
Epoch: 7995, Train Loss: 0.34715983271598816  
Epoch: 7996, Train Loss: 0.34317296743392944  
Epoch: 7997, Train Loss: 0.34507298469543457  
Epoch: 7998, Train Loss: 0.35171717405319214  
Epoch: 7999, Train Loss: 0.34874069690704346  
Epoch: 8000, Train Loss: 0.34606677293777466  
Epoch: 8001, Train Loss: 0.34574276208877563  
Epoch: 8002, Train Loss: 0.343940794467926  
Epoch: 8003, Train Loss: 0.3472415804862976  
Epoch: 8004, Train Loss: 0.34477218985557556  
Epoch: 8005, Train Loss: 0.3414824604988098  
Epoch: 8006, Train Loss: 0.3422775864601135  
Epoch: 8007, Train Loss: 0.34612178802490234  
Epoch: 8008, Train Loss: 0.347577303647995  
Epoch: 8009, Train Loss: 0.34687498211860657  
Epoch: 8010, Train Loss: 0.34573546051979065  
Epoch: 8011, Train Loss: 0.3437005877494812  
Epoch: 8012, Train Loss: 0.34683436155319214  
Epoch: 8013, Train Loss: 0.34757471084594727  
Epoch: 8014, Train Loss: 0.345871239900589  
Epoch: 8015, Train Loss: 0.33971095085144043  
Epoch: 8016, Train Loss: 0.34788545966148376  
Epoch: 8017, Train Loss: 0.3470163941383362  
Epoch: 8018, Train Loss: 0.3469778299331665  
Epoch: 8019, Train Loss: 0.34409409761428833  
Epoch: 8020, Train Loss: 0.34309953451156616  
Epoch: 8021, Train Loss: 0.34513774514198303  
Epoch: 8022, Train Loss: 0.3424539268016815  
Epoch: 8023, Train Loss: 0.34477511048316956  
Epoch: 8024, Train Loss: 0.3493337631225586  
Epoch: 8025, Train Loss: 0.343445360660553  
Epoch: 8026, Train Loss: 0.34638506174087524  
Epoch: 8027, Train Loss: 0.3447347581386566  
Epoch: 8028, Train Loss: 0.3456810712814331  
Epoch: 8029, Train Loss: 0.3475162386894226  
Epoch: 8030, Train Loss: 0.3459714949131012  
Epoch: 8031, Train Loss: 0.34259796142578125  
Epoch: 8032, Train Loss: 0.3439368009567261  
Epoch: 8033, Train Loss: 0.3459809124469757  
Epoch: 8034, Train Loss: 0.3420197367668152  
Epoch: 8035, Train Loss: 0.34681063890457153  
Epoch: 8036, Train Loss: 0.3479691743850708  
Epoch: 8037, Train Loss: 0.3475017249584198  
Epoch: 8038, Train Loss: 0.3472139537334442  
Epoch: 8039, Train Loss: 0.34752485156059265  
Epoch: 8040, Train Loss: 0.3430047631263733  
Epoch: 8041, Train Loss: 0.3469032943248749  
Epoch: 8042, Train Loss: 0.3442891538143158  
Epoch: 8043, Train Loss: 0.3436375558376312  
Epoch: 8044, Train Loss: 0.34125134348869324  
Epoch: 8045, Train Loss: 0.348696231842041  
Epoch: 8046, Train Loss: 0.346267968416214  
Epoch: 8047, Train Loss: 0.34240952134132385  
Epoch: 8048, Train Loss: 0.3472256064414978  
Epoch: 8049, Train Loss: 0.3443637490272522

Epoch: 8050, Train Loss: 0.3455806076526642  
Epoch: 8051, Train Loss: 0.34100836515426636  
Epoch: 8052, Train Loss: 0.3464265465736389  
Epoch: 8053, Train Loss: 0.3413584530353546  
Epoch: 8054, Train Loss: 0.3491748571395874  
Epoch: 8055, Train Loss: 0.34245219826698303  
Epoch: 8056, Train Loss: 0.3432491421699524  
Epoch: 8057, Train Loss: 0.34837523102760315  
Epoch: 8058, Train Loss: 0.3421727418899536  
Epoch: 8059, Train Loss: 0.34412384033203125  
Epoch: 8060, Train Loss: 0.3447478711605072  
Epoch: 8061, Train Loss: 0.34611600637435913  
Epoch: 8062, Train Loss: 0.34650006890296936  
Epoch: 8063, Train Loss: 0.3430740535259247  
Epoch: 8064, Train Loss: 0.3467355966567993  
Epoch: 8065, Train Loss: 0.3436376452445984  
Epoch: 8066, Train Loss: 0.344663143157959  
Epoch: 8067, Train Loss: 0.3496217131614685  
Epoch: 8068, Train Loss: 0.34372663497924805  
Epoch: 8069, Train Loss: 0.34462642669677734  
Epoch: 8070, Train Loss: 0.34780153632164  
Epoch: 8071, Train Loss: 0.35013267397880554  
Epoch: 8072, Train Loss: 0.3418083190917969  
Epoch: 8073, Train Loss: 0.34500831365585327  
Epoch: 8074, Train Loss: 0.3448099195957184  
Epoch: 8075, Train Loss: 0.3489953577518463  
Epoch: 8076, Train Loss: 0.3429684638977051  
Epoch: 8077, Train Loss: 0.343008428812027  
Epoch: 8078, Train Loss: 0.34788233041763306  
Epoch: 8079, Train Loss: 0.3441963791847229  
Epoch: 8080, Train Loss: 0.3488784730434418  
Epoch: 8081, Train Loss: 0.3459310829639435  
Epoch: 8082, Train Loss: 0.3441087603569031  
Epoch: 8083, Train Loss: 0.3495844900608063  
Epoch: 8084, Train Loss: 0.35174450278282166  
Epoch: 8085, Train Loss: 0.3490791916847229  
Epoch: 8086, Train Loss: 0.34689658880233765  
Epoch: 8087, Train Loss: 0.3447693884372711  
Epoch: 8088, Train Loss: 0.34744149446487427  
Epoch: 8089, Train Loss: 0.34473922848701477  
Epoch: 8090, Train Loss: 0.34471234679222107  
Epoch: 8091, Train Loss: 0.34222862124443054  
Epoch: 8092, Train Loss: 0.3469862937927246  
Epoch: 8093, Train Loss: 0.3469650149345398  
Epoch: 8094, Train Loss: 0.34221404790878296  
Epoch: 8095, Train Loss: 0.3488715589046478  
Epoch: 8096, Train Loss: 0.3441391885280609  
Epoch: 8097, Train Loss: 0.346384197473526  
Epoch: 8098, Train Loss: 0.3419995903968811  
Epoch: 8099, Train Loss: 0.34407979249954224  
Epoch: 8100, Train Loss: 0.34521782398223877  
Epoch: 8101, Train Loss: 0.34413430094718933  
Epoch: 8102, Train Loss: 0.35050103068351746  
Epoch: 8103, Train Loss: 0.3468591272830963  
Epoch: 8104, Train Loss: 0.34743690490722656  
Epoch: 8105, Train Loss: 0.343718022108078  
Epoch: 8106, Train Loss: 0.34512534737586975  
Epoch: 8107, Train Loss: 0.34367507696151733  
Epoch: 8108, Train Loss: 0.34630316495895386  
Epoch: 8109, Train Loss: 0.347184956073761  
Epoch: 8110, Train Loss: 0.3455055058002472

Epoch: 8111, Train Loss: 0.34529975056648254  
Epoch: 8112, Train Loss: 0.3424597382545471  
Epoch: 8113, Train Loss: 0.3460234999656677  
Epoch: 8114, Train Loss: 0.3446419835090637  
Epoch: 8115, Train Loss: 0.3419230878353119  
Epoch: 8116, Train Loss: 0.3416702449321747  
Epoch: 8117, Train Loss: 0.34202390909194946  
Epoch: 8118, Train Loss: 0.34589269757270813  
Epoch: 8119, Train Loss: 0.344302237033844  
Epoch: 8120, Train Loss: 0.3460732400417328  
Epoch: 8121, Train Loss: 0.342811644077301  
Epoch: 8122, Train Loss: 0.3455449938774109  
Epoch: 8123, Train Loss: 0.340166300535202  
Epoch: 8124, Train Loss: 0.34560635685920715  
Epoch: 8125, Train Loss: 0.34346190094947815  
Epoch: 8126, Train Loss: 0.3400334417819977  
Epoch: 8127, Train Loss: 0.342978298664093  
Epoch: 8128, Train Loss: 0.34529584646224976  
Epoch: 8129, Train Loss: 0.34930577874183655  
Epoch: 8130, Train Loss: 0.3465813100337982  
Epoch: 8131, Train Loss: 0.3439524471759796  
Epoch: 8132, Train Loss: 0.34515079855918884  
Epoch: 8133, Train Loss: 0.34564024209976196  
Epoch: 8134, Train Loss: 0.3485012650489807  
Epoch: 8135, Train Loss: 0.34398147463798523  
Epoch: 8136, Train Loss: 0.3442676365375519  
Epoch: 8137, Train Loss: 0.34462466835975647  
Epoch: 8138, Train Loss: 0.34523361921310425  
Epoch: 8139, Train Loss: 0.3427400290966034  
Epoch: 8140, Train Loss: 0.3461257517337799  
Epoch: 8141, Train Loss: 0.34593647718429565  
Epoch: 8142, Train Loss: 0.3390390872955322  
Epoch: 8143, Train Loss: 0.34281378984451294  
Epoch: 8144, Train Loss: 0.3457529544830322  
Epoch: 8145, Train Loss: 0.34670859575271606  
Epoch: 8146, Train Loss: 0.34619539976119995  
Epoch: 8147, Train Loss: 0.3476191759109497  
Epoch: 8148, Train Loss: 0.34545812010765076  
Epoch: 8149, Train Loss: 0.34290510416030884  
Epoch: 8150, Train Loss: 0.34107428789138794  
Epoch: 8151, Train Loss: 0.3430864214897156  
Epoch: 8152, Train Loss: 0.3444932997226715  
Epoch: 8153, Train Loss: 0.3427833318710327  
Epoch: 8154, Train Loss: 0.3442855477333069  
Epoch: 8155, Train Loss: 0.3442350924015045  
Epoch: 8156, Train Loss: 0.3472938537597656  
Epoch: 8157, Train Loss: 0.34646788239479065  
Epoch: 8158, Train Loss: 0.34300023317337036  
Epoch: 8159, Train Loss: 0.3478405773639679  
Epoch: 8160, Train Loss: 0.3443300127983093  
Epoch: 8161, Train Loss: 0.34233054518699646  
Epoch: 8162, Train Loss: 0.3447234034538269  
Epoch: 8163, Train Loss: 0.34556612372398376  
Epoch: 8164, Train Loss: 0.34329599142074585  
Epoch: 8165, Train Loss: 0.34124013781547546  
Epoch: 8166, Train Loss: 0.34518012404441833  
Epoch: 8167, Train Loss: 0.3439776599407196  
Epoch: 8168, Train Loss: 0.3459150493144989  
Epoch: 8169, Train Loss: 0.34598931670188904  
Epoch: 8170, Train Loss: 0.3426264524459839  
Epoch: 8171, Train Loss: 0.34563085436820984

Epoch: 8172, Train Loss: 0.3449646532535553  
Epoch: 8173, Train Loss: 0.347424179315567  
Epoch: 8174, Train Loss: 0.34617406129837036  
Epoch: 8175, Train Loss: 0.3441390097141266  
Epoch: 8176, Train Loss: 0.3453105688095093  
Epoch: 8177, Train Loss: 0.34324541687965393  
Epoch: 8178, Train Loss: 0.34520089626312256  
Epoch: 8179, Train Loss: 0.3468582034111023  
Epoch: 8180, Train Loss: 0.34383100271224976  
Epoch: 8181, Train Loss: 0.34412986040115356  
Epoch: 8182, Train Loss: 0.3500056862831116  
Epoch: 8183, Train Loss: 0.3467434048652649  
Epoch: 8184, Train Loss: 0.34599077701568604  
Epoch: 8185, Train Loss: 0.34410256147384644  
Epoch: 8186, Train Loss: 0.34586790204048157  
Epoch: 8187, Train Loss: 0.3443898856639862  
Epoch: 8188, Train Loss: 0.34499678015708923  
Epoch: 8189, Train Loss: 0.3423212170600891  
Epoch: 8190, Train Loss: 0.3474673926830292  
Epoch: 8191, Train Loss: 0.34720975160598755  
Epoch: 8192, Train Loss: 0.34736233949661255  
Epoch: 8193, Train Loss: 0.34434765577316284  
Epoch: 8194, Train Loss: 0.3424203395843506  
Epoch: 8195, Train Loss: 0.34661591053009033  
Epoch: 8196, Train Loss: 0.3463374674320221  
Epoch: 8197, Train Loss: 0.34107670187950134  
Epoch: 8198, Train Loss: 0.3439091145992279  
Epoch: 8199, Train Loss: 0.3487616181373596  
Epoch: 8200, Train Loss: 0.34558624029159546  
Epoch: 8201, Train Loss: 0.34409046173095703  
Epoch: 8202, Train Loss: 0.34778422117233276  
Epoch: 8203, Train Loss: 0.34096285700798035  
Epoch: 8204, Train Loss: 0.3434325158596039  
Epoch: 8205, Train Loss: 0.34904783964157104  
Epoch: 8206, Train Loss: 0.3451801836490631  
Epoch: 8207, Train Loss: 0.34574443101882935  
Epoch: 8208, Train Loss: 0.3426060378551483  
Epoch: 8209, Train Loss: 0.34534627199172974  
Epoch: 8210, Train Loss: 0.3443466126918793  
Epoch: 8211, Train Loss: 0.3464115858078003  
Epoch: 8212, Train Loss: 0.3487963080406189  
Epoch: 8213, Train Loss: 0.34704703092575073  
Epoch: 8214, Train Loss: 0.3433244526386261  
Epoch: 8215, Train Loss: 0.3450482487678528  
Epoch: 8216, Train Loss: 0.34547722339630127  
Epoch: 8217, Train Loss: 0.3424907922744751  
Epoch: 8218, Train Loss: 0.3416207432746887  
Epoch: 8219, Train Loss: 0.3464375138282776  
Epoch: 8220, Train Loss: 0.34294992685317993  
Epoch: 8221, Train Loss: 0.3469623625278473  
Epoch: 8222, Train Loss: 0.3414953947067261  
Epoch: 8223, Train Loss: 0.34446391463279724  
Epoch: 8224, Train Loss: 0.34238114953041077  
Epoch: 8225, Train Loss: 0.34269335865974426  
Epoch: 8226, Train Loss: 0.34525740146636963  
Epoch: 8227, Train Loss: 0.34492844343185425  
Epoch: 8228, Train Loss: 0.33970460295677185  
Epoch: 8229, Train Loss: 0.34761691093444824  
Epoch: 8230, Train Loss: 0.3463435769081116  
Epoch: 8231, Train Loss: 0.34382209181785583  
Epoch: 8232, Train Loss: 0.3445435166358948

Epoch: 8233, Train Loss: 0.3450393080711365  
Epoch: 8234, Train Loss: 0.34846362471580505  
Epoch: 8235, Train Loss: 0.34359127283096313  
Epoch: 8236, Train Loss: 0.34766125679016113  
Epoch: 8237, Train Loss: 0.34704166650772095  
Epoch: 8238, Train Loss: 0.3415527939796448  
Epoch: 8239, Train Loss: 0.3424796462059021  
Epoch: 8240, Train Loss: 0.3442230820655823  
Epoch: 8241, Train Loss: 0.34360116720199585  
Epoch: 8242, Train Loss: 0.34841522574424744  
Epoch: 8243, Train Loss: 0.34504055976867676  
Epoch: 8244, Train Loss: 0.3425900340080261  
Epoch: 8245, Train Loss: 0.3424449563026428  
Epoch: 8246, Train Loss: 0.35039642453193665  
Epoch: 8247, Train Loss: 0.34267231822013855  
Epoch: 8248, Train Loss: 0.34196579456329346  
Epoch: 8249, Train Loss: 0.3441070318222046  
Epoch: 8250, Train Loss: 0.34260839223861694  
Epoch: 8251, Train Loss: 0.34626156091690063  
Epoch: 8252, Train Loss: 0.3435012996196747  
Epoch: 8253, Train Loss: 0.3483838737010956  
Epoch: 8254, Train Loss: 0.344308078289032  
Epoch: 8255, Train Loss: 0.3434515595436096  
Epoch: 8256, Train Loss: 0.34997308254241943  
Epoch: 8257, Train Loss: 0.34311869740486145  
Epoch: 8258, Train Loss: 0.3470257520675659  
Epoch: 8259, Train Loss: 0.3405396342277527  
Epoch: 8260, Train Loss: 0.34016314148902893  
Epoch: 8261, Train Loss: 0.34400123357772827  
Epoch: 8262, Train Loss: 0.3429197669029236  
Epoch: 8263, Train Loss: 0.34148743748664856  
Epoch: 8264, Train Loss: 0.3453587293624878  
Epoch: 8265, Train Loss: 0.34639257192611694  
Epoch: 8266, Train Loss: 0.34327811002731323  
Epoch: 8267, Train Loss: 0.34470272064208984  
Epoch: 8268, Train Loss: 0.3450639843940735  
Epoch: 8269, Train Loss: 0.3413819372653961  
Epoch: 8270, Train Loss: 0.3430582582950592  
Epoch: 8271, Train Loss: 0.34070640802383423  
Epoch: 8272, Train Loss: 0.34784597158432007  
Epoch: 8273, Train Loss: 0.34294217824935913  
Epoch: 8274, Train Loss: 0.34778013825416565  
Epoch: 8275, Train Loss: 0.344002366065979  
Epoch: 8276, Train Loss: 0.3426993787288666  
Epoch: 8277, Train Loss: 0.34623637795448303  
Epoch: 8278, Train Loss: 0.3432605266571045  
Epoch: 8279, Train Loss: 0.3443630635738373  
Epoch: 8280, Train Loss: 0.3434528410434723  
Epoch: 8281, Train Loss: 0.3417569100856781  
Epoch: 8282, Train Loss: 0.34396687150001526  
Epoch: 8283, Train Loss: 0.3499716520309448  
Epoch: 8284, Train Loss: 0.3477170169353485  
Epoch: 8285, Train Loss: 0.3457584083080292  
Epoch: 8286, Train Loss: 0.34525066614151  
Epoch: 8287, Train Loss: 0.3430708944797516  
Epoch: 8288, Train Loss: 0.3483561873435974  
Epoch: 8289, Train Loss: 0.34155136346817017  
Epoch: 8290, Train Loss: 0.3452116847038269  
Epoch: 8291, Train Loss: 0.350382924079895  
Epoch: 8292, Train Loss: 0.3433133661746979  
Epoch: 8293, Train Loss: 0.3426545262336731

Epoch: 8294, Train Loss: 0.3437254726886749  
Epoch: 8295, Train Loss: 0.3481784760951996  
Epoch: 8296, Train Loss: 0.3430229127407074  
Epoch: 8297, Train Loss: 0.34255608916282654  
Epoch: 8298, Train Loss: 0.3435906767845154  
Epoch: 8299, Train Loss: 0.3425731062889099  
Epoch: 8300, Train Loss: 0.34337809681892395  
Epoch: 8301, Train Loss: 0.3421920835971832  
Epoch: 8302, Train Loss: 0.3458578884601593  
Epoch: 8303, Train Loss: 0.3434123396873474  
Epoch: 8304, Train Loss: 0.3457423150539398  
Epoch: 8305, Train Loss: 0.3435158133506775  
Epoch: 8306, Train Loss: 0.3452581465244293  
Epoch: 8307, Train Loss: 0.3427605628967285  
Epoch: 8308, Train Loss: 0.3442796766757965  
Epoch: 8309, Train Loss: 0.34217214584350586  
Epoch: 8310, Train Loss: 0.34339243173599243  
Epoch: 8311, Train Loss: 0.3451569080352783  
Epoch: 8312, Train Loss: 0.34250420331954956  
Epoch: 8313, Train Loss: 0.3408341109752655  
Epoch: 8314, Train Loss: 0.3434179425239563  
Epoch: 8315, Train Loss: 0.34253913164138794  
Epoch: 8316, Train Loss: 0.34159958362579346  
Epoch: 8317, Train Loss: 0.3476787805557251  
Epoch: 8318, Train Loss: 0.3417920470237732  
Epoch: 8319, Train Loss: 0.3496266007423401  
Epoch: 8320, Train Loss: 0.34475627541542053  
Epoch: 8321, Train Loss: 0.3432123363018036  
Epoch: 8322, Train Loss: 0.3417181372642517  
Epoch: 8323, Train Loss: 0.34746602177619934  
Epoch: 8324, Train Loss: 0.3443569540977478  
Epoch: 8325, Train Loss: 0.34783679246902466  
Epoch: 8326, Train Loss: 0.34653207659721375  
Epoch: 8327, Train Loss: 0.34679120779037476  
Epoch: 8328, Train Loss: 0.34477314352989197  
Epoch: 8329, Train Loss: 0.34330469369888306  
Epoch: 8330, Train Loss: 0.3425756096839905  
Epoch: 8331, Train Loss: 0.343282550573349  
Epoch: 8332, Train Loss: 0.34886157512664795  
Epoch: 8333, Train Loss: 0.34450671076774597  
Epoch: 8334, Train Loss: 0.3410152792930603  
Epoch: 8335, Train Loss: 0.3471370339393616  
Epoch: 8336, Train Loss: 0.3456348478794098  
Epoch: 8337, Train Loss: 0.3423064649105072  
Epoch: 8338, Train Loss: 0.34264329075813293  
Epoch: 8339, Train Loss: 0.3475121855735779  
Epoch: 8340, Train Loss: 0.3472050428390503  
Epoch: 8341, Train Loss: 0.34040600061416626  
Epoch: 8342, Train Loss: 0.3432353734970093  
Epoch: 8343, Train Loss: 0.33925753831863403  
Epoch: 8344, Train Loss: 0.34630194306373596  
Epoch: 8345, Train Loss: 0.3464108109474182  
Epoch: 8346, Train Loss: 0.3447497487068176  
Epoch: 8347, Train Loss: 0.3424715995788574  
Epoch: 8348, Train Loss: 0.34463709592819214  
Epoch: 8349, Train Loss: 0.3407169282436371  
Epoch: 8350, Train Loss: 0.343633770942688  
Epoch: 8351, Train Loss: 0.34721705317497253  
Epoch: 8352, Train Loss: 0.3454040288925171  
Epoch: 8353, Train Loss: 0.3431132435798645  
Epoch: 8354, Train Loss: 0.34489622712135315



Epoch: 8355, Train Loss: 0.3403661251068115  
Epoch: 8356, Train Loss: 0.34280699491500854  
Epoch: 8357, Train Loss: 0.3420003652572632  
Epoch: 8358, Train Loss: 0.3427724838256836  
Epoch: 8359, Train Loss: 0.3411489427089691  
Epoch: 8360, Train Loss: 0.34733960032463074  
Epoch: 8361, Train Loss: 0.3473025858402252  
Epoch: 8362, Train Loss: 0.3398112654685974  
Epoch: 8363, Train Loss: 0.34259265661239624  
Epoch: 8364, Train Loss: 0.3416411280632019  
Epoch: 8365, Train Loss: 0.34243640303611755  
Epoch: 8366, Train Loss: 0.3426443934440613  
Epoch: 8367, Train Loss: 0.34580716490745544  
Epoch: 8368, Train Loss: 0.34305474162101746  
Epoch: 8369, Train Loss: 0.3414115011692047  
Epoch: 8370, Train Loss: 0.34437328577041626  
Epoch: 8371, Train Loss: 0.34582385420799255  
Epoch: 8372, Train Loss: 0.3446154296398163  
Epoch: 8373, Train Loss: 0.34235289692878723  
Epoch: 8374, Train Loss: 0.34401947259902954  
Epoch: 8375, Train Loss: 0.34387949109077454  
Epoch: 8376, Train Loss: 0.342584490776062  
Epoch: 8377, Train Loss: 0.3458285927772522  
Epoch: 8378, Train Loss: 0.34508147835731506  
Epoch: 8379, Train Loss: 0.3405231237411499  
Epoch: 8380, Train Loss: 0.34348902106285095  
Epoch: 8381, Train Loss: 0.34301549196243286  
Epoch: 8382, Train Loss: 0.34299296140670776  
Epoch: 8383, Train Loss: 0.34375110268592834  
Epoch: 8384, Train Loss: 0.34139323234558105  
Epoch: 8385, Train Loss: 0.3443714380264282  
Epoch: 8386, Train Loss: 0.34508123993873596  
Epoch: 8387, Train Loss: 0.3410979211330414  
Epoch: 8388, Train Loss: 0.3413570523262024  
Epoch: 8389, Train Loss: 0.34330329298973083  
Epoch: 8390, Train Loss: 0.345283567905426  
Epoch: 8391, Train Loss: 0.34409910440444946  
Epoch: 8392, Train Loss: 0.3439294695854187  
Epoch: 8393, Train Loss: 0.3442741632461548  
Epoch: 8394, Train Loss: 0.3389672338962555  
Epoch: 8395, Train Loss: 0.34498727321624756  
Epoch: 8396, Train Loss: 0.3453126549720764  
Epoch: 8397, Train Loss: 0.3458242416381836  
Epoch: 8398, Train Loss: 0.34218186140060425  
Epoch: 8399, Train Loss: 0.3458261489868164  
Epoch: 8400, Train Loss: 0.3442060649394989  
Epoch: 8401, Train Loss: 0.3418944776058197  
Epoch: 8402, Train Loss: 0.344551146030426  
Epoch: 8403, Train Loss: 0.34468209743499756  
Epoch: 8404, Train Loss: 0.34244245290756226  
Epoch: 8405, Train Loss: 0.345885694026947  
Epoch: 8406, Train Loss: 0.34351667761802673  
Epoch: 8407, Train Loss: 0.3433133363723755  
Epoch: 8408, Train Loss: 0.3456220030784607  
Epoch: 8409, Train Loss: 0.3431956470012665  
Epoch: 8410, Train Loss: 0.3435186743736267  
Epoch: 8411, Train Loss: 0.3414284884929657  
Epoch: 8412, Train Loss: 0.3448339104652405  
Epoch: 8413, Train Loss: 0.3402656018733978  
Epoch: 8414, Train Loss: 0.34219643473625183  
Epoch: 8415, Train Loss: 0.34319114685058594

Epoch: 8416, Train Loss: 0.3448832631111145  
Epoch: 8417, Train Loss: 0.34135961532592773  
Epoch: 8418, Train Loss: 0.34227436780929565  
Epoch: 8419, Train Loss: 0.3409268260002136  
Epoch: 8420, Train Loss: 0.34316134452819824  
Epoch: 8421, Train Loss: 0.3439636528491974  
Epoch: 8422, Train Loss: 0.3427343964576721  
Epoch: 8423, Train Loss: 0.3434637188911438  
Epoch: 8424, Train Loss: 0.34099334478378296  
Epoch: 8425, Train Loss: 0.34179216623306274  
Epoch: 8426, Train Loss: 0.34325918555259705  
Epoch: 8427, Train Loss: 0.345216304063797  
Epoch: 8428, Train Loss: 0.34617581963539124  
Epoch: 8429, Train Loss: 0.3408903181552887  
Epoch: 8430, Train Loss: 0.34221285581588745  
Epoch: 8431, Train Loss: 0.340762734413147  
Epoch: 8432, Train Loss: 0.3419456481933594  
Epoch: 8433, Train Loss: 0.3441859781742096  
Epoch: 8434, Train Loss: 0.3481127619743347  
Epoch: 8435, Train Loss: 0.34163716435432434  
Epoch: 8436, Train Loss: 0.34454265236854553  
Epoch: 8437, Train Loss: 0.33957698941230774  
Epoch: 8438, Train Loss: 0.342347115278244  
Epoch: 8439, Train Loss: 0.3415639400482178  
Epoch: 8440, Train Loss: 0.3442457318305969  
Epoch: 8441, Train Loss: 0.3406801223754883  
Epoch: 8442, Train Loss: 0.3444824814796448  
Epoch: 8443, Train Loss: 0.3396654427051544  
Epoch: 8444, Train Loss: 0.34562045335769653  
Epoch: 8445, Train Loss: 0.34737449884414673  
Epoch: 8446, Train Loss: 0.3411731421947479  
Epoch: 8447, Train Loss: 0.33993399143218994  
Epoch: 8448, Train Loss: 0.33955737948417664  
Epoch: 8449, Train Loss: 0.3432569205760956  
Epoch: 8450, Train Loss: 0.3399387001991272  
Epoch: 8451, Train Loss: 0.3426971137523651  
Epoch: 8452, Train Loss: 0.3447093367576599  
Epoch: 8453, Train Loss: 0.3453102707862854  
Epoch: 8454, Train Loss: 0.34693241119384766  
Epoch: 8455, Train Loss: 0.3437418043613434  
Epoch: 8456, Train Loss: 0.34334447979927063  
Epoch: 8457, Train Loss: 0.3439888060092926  
Epoch: 8458, Train Loss: 0.3422723114490509  
Epoch: 8459, Train Loss: 0.3460693955421448  
Epoch: 8460, Train Loss: 0.34298545122146606  
Epoch: 8461, Train Loss: 0.3385356068611145  
Epoch: 8462, Train Loss: 0.34563392400741577  
Epoch: 8463, Train Loss: 0.3429078161716461  
Epoch: 8464, Train Loss: 0.34680086374282837  
Epoch: 8465, Train Loss: 0.3447949290275574  
Epoch: 8466, Train Loss: 0.34231266379356384  
Epoch: 8467, Train Loss: 0.3464301824569702  
Epoch: 8468, Train Loss: 0.3430194854736328  
Epoch: 8469, Train Loss: 0.34364554286003113  
Epoch: 8470, Train Loss: 0.34241655468940735  
Epoch: 8471, Train Loss: 0.34139788150787354  
Epoch: 8472, Train Loss: 0.34455639123916626  
Epoch: 8473, Train Loss: 0.34604960680007935  
Epoch: 8474, Train Loss: 0.3446550965309143  
Epoch: 8475, Train Loss: 0.34130340814590454  
Epoch: 8476, Train Loss: 0.34574180841445923

Epoch: 8477, Train Loss: 0.34698817133903503  
Epoch: 8478, Train Loss: 0.34594181180000305  
Epoch: 8479, Train Loss: 0.34260642528533936  
Epoch: 8480, Train Loss: 0.3461596965789795  
Epoch: 8481, Train Loss: 0.3456134796142578  
Epoch: 8482, Train Loss: 0.34425088763237  
Epoch: 8483, Train Loss: 0.34387657046318054  
Epoch: 8484, Train Loss: 0.3442458212375641  
Epoch: 8485, Train Loss: 0.3446260094642639  
Epoch: 8486, Train Loss: 0.34374818205833435  
Epoch: 8487, Train Loss: 0.34312909841537476  
Epoch: 8488, Train Loss: 0.3428577780723572  
Epoch: 8489, Train Loss: 0.3440559506416321  
Epoch: 8490, Train Loss: 0.34300583600997925  
Epoch: 8491, Train Loss: 0.3416992425918579  
Epoch: 8492, Train Loss: 0.34759876132011414  
Epoch: 8493, Train Loss: 0.3455348610877991  
Epoch: 8494, Train Loss: 0.3443930447101593  
Epoch: 8495, Train Loss: 0.34505969285964966  
Epoch: 8496, Train Loss: 0.34139567613601685  
Epoch: 8497, Train Loss: 0.34166601300239563  
Epoch: 8498, Train Loss: 0.34968215227127075  
Epoch: 8499, Train Loss: 0.340011328458786  
Epoch: 8500, Train Loss: 0.3482074737548828  
Epoch: 8501, Train Loss: 0.3445526957511902  
Epoch: 8502, Train Loss: 0.3398776054382324  
Epoch: 8503, Train Loss: 0.33976778388023376  
Epoch: 8504, Train Loss: 0.3423309028148651  
Epoch: 8505, Train Loss: 0.34556880593299866  
Epoch: 8506, Train Loss: 0.34120193123817444  
Epoch: 8507, Train Loss: 0.3479171395301819  
Epoch: 8508, Train Loss: 0.34340035915374756  
Epoch: 8509, Train Loss: 0.34352102875709534  
Epoch: 8510, Train Loss: 0.34445011615753174  
Epoch: 8511, Train Loss: 0.34585872292518616  
Epoch: 8512, Train Loss: 0.3427080810070038  
Epoch: 8513, Train Loss: 0.34374797344207764  
Epoch: 8514, Train Loss: 0.34581729769706726  
Epoch: 8515, Train Loss: 0.3440861403942108  
Epoch: 8516, Train Loss: 0.3465779721736908  
Epoch: 8517, Train Loss: 0.34268444776535034  
Epoch: 8518, Train Loss: 0.34454041719436646  
Epoch: 8519, Train Loss: 0.33966147899627686  
Epoch: 8520, Train Loss: 0.34635695815086365  
Epoch: 8521, Train Loss: 0.3415355086326599  
Epoch: 8522, Train Loss: 0.34307199716567993  
Epoch: 8523, Train Loss: 0.34146514534950256  
Epoch: 8524, Train Loss: 0.34260186553001404  
Epoch: 8525, Train Loss: 0.3406285345554352  
Epoch: 8526, Train Loss: 0.3423914313316345  
Epoch: 8527, Train Loss: 0.34388381242752075  
Epoch: 8528, Train Loss: 0.3448130488395691  
Epoch: 8529, Train Loss: 0.3448213040828705  
Epoch: 8530, Train Loss: 0.34700334072113037  
Epoch: 8531, Train Loss: 0.3445286452770233  
Epoch: 8532, Train Loss: 0.34692031145095825  
Epoch: 8533, Train Loss: 0.34725886583328247  
Epoch: 8534, Train Loss: 0.3409644067287445  
Epoch: 8535, Train Loss: 0.344882071018219  
Epoch: 8536, Train Loss: 0.34400302171707153  
Epoch: 8537, Train Loss: 0.3402072489261627

Epoch: 8538, Train Loss: 0.34140780568122864  
Epoch: 8539, Train Loss: 0.3446579575538635  
Epoch: 8540, Train Loss: 0.34434831142425537  
Epoch: 8541, Train Loss: 0.3407924175262451  
Epoch: 8542, Train Loss: 0.3410615026950836  
Epoch: 8543, Train Loss: 0.35187292098999023  
Epoch: 8544, Train Loss: 0.34010958671569824  
Epoch: 8545, Train Loss: 0.34057244658470154  
Epoch: 8546, Train Loss: 0.34176403284072876  
Epoch: 8547, Train Loss: 0.3489885926246643  
Epoch: 8548, Train Loss: 0.3436727523803711  
Epoch: 8549, Train Loss: 0.3439004719257355  
Epoch: 8550, Train Loss: 0.3437892198562622  
Epoch: 8551, Train Loss: 0.34272342920303345  
Epoch: 8552, Train Loss: 0.34212636947631836  
Epoch: 8553, Train Loss: 0.34321850538253784  
Epoch: 8554, Train Loss: 0.3430047333240509  
Epoch: 8555, Train Loss: 0.3398588001728058  
Epoch: 8556, Train Loss: 0.3451208174228668  
Epoch: 8557, Train Loss: 0.3405657708644867  
Epoch: 8558, Train Loss: 0.34261733293533325  
Epoch: 8559, Train Loss: 0.34262925386428833  
Epoch: 8560, Train Loss: 0.3432902693748474  
Epoch: 8561, Train Loss: 0.343482106924057  
Epoch: 8562, Train Loss: 0.34713613986968994  
Epoch: 8563, Train Loss: 0.3423197269439697  
Epoch: 8564, Train Loss: 0.34323564171791077  
Epoch: 8565, Train Loss: 0.34469565749168396  
Epoch: 8566, Train Loss: 0.3473726511001587  
Epoch: 8567, Train Loss: 0.341756135225296  
Epoch: 8568, Train Loss: 0.3431636095046997  
Epoch: 8569, Train Loss: 0.34376704692840576  
Epoch: 8570, Train Loss: 0.3400670886039734  
Epoch: 8571, Train Loss: 0.34506553411483765  
Epoch: 8572, Train Loss: 0.3442210555076599  
Epoch: 8573, Train Loss: 0.34165501594543457  
Epoch: 8574, Train Loss: 0.34549397230148315  
Epoch: 8575, Train Loss: 0.34181955456733704  
Epoch: 8576, Train Loss: 0.34202659130096436  
Epoch: 8577, Train Loss: 0.3415592312812805  
Epoch: 8578, Train Loss: 0.3449234068393707  
Epoch: 8579, Train Loss: 0.34065839648246765  
Epoch: 8580, Train Loss: 0.3450802266597748  
Epoch: 8581, Train Loss: 0.34747686982154846  
Epoch: 8582, Train Loss: 0.3468741774559021  
Epoch: 8583, Train Loss: 0.34292298555374146  
Epoch: 8584, Train Loss: 0.3429403305053711  
Epoch: 8585, Train Loss: 0.341237336397171  
Epoch: 8586, Train Loss: 0.3433510959148407  
Epoch: 8587, Train Loss: 0.3415469527244568  
Epoch: 8588, Train Loss: 0.3375885784626007  
Epoch: 8589, Train Loss: 0.3420541286468506  
Epoch: 8590, Train Loss: 0.3426958918571472  
Epoch: 8591, Train Loss: 0.34116363525390625  
Epoch: 8592, Train Loss: 0.3411021828651428  
Epoch: 8593, Train Loss: 0.34327226877212524  
Epoch: 8594, Train Loss: 0.34336572885513306  
Epoch: 8595, Train Loss: 0.34504321217536926  
Epoch: 8596, Train Loss: 0.3463476300239563  
Epoch: 8597, Train Loss: 0.349992573261261  
Epoch: 8598, Train Loss: 0.346440851688385

Epoch: 8599, Train Loss: 0.34611696004867554  
Epoch: 8600, Train Loss: 0.34243112802505493  
Epoch: 8601, Train Loss: 0.3460593819618225  
Epoch: 8602, Train Loss: 0.3412104845046997  
Epoch: 8603, Train Loss: 0.3449849486351013  
Epoch: 8604, Train Loss: 0.3430502116680145  
Epoch: 8605, Train Loss: 0.3436640799045563  
Epoch: 8606, Train Loss: 0.34292012453079224  
Epoch: 8607, Train Loss: 0.34008505940437317  
Epoch: 8608, Train Loss: 0.340323269367218  
Epoch: 8609, Train Loss: 0.340006023645401  
Epoch: 8610, Train Loss: 0.3409430980682373  
Epoch: 8611, Train Loss: 0.3495914936065674  
Epoch: 8612, Train Loss: 0.3427453637123108  
Epoch: 8613, Train Loss: 0.34276872873306274  
Epoch: 8614, Train Loss: 0.3428031802177429  
Epoch: 8615, Train Loss: 0.34463751316070557  
Epoch: 8616, Train Loss: 0.3465697765350342  
Epoch: 8617, Train Loss: 0.34572431445121765  
Epoch: 8618, Train Loss: 0.3424731194972992  
Epoch: 8619, Train Loss: 0.3427104651927948  
Epoch: 8620, Train Loss: 0.34778469800949097  
Epoch: 8621, Train Loss: 0.3402857184410095  
Epoch: 8622, Train Loss: 0.3424847722053528  
Epoch: 8623, Train Loss: 0.34094399213790894  
Epoch: 8624, Train Loss: 0.34380319714546204  
Epoch: 8625, Train Loss: 0.34548211097717285  
Epoch: 8626, Train Loss: 0.34300413727760315  
Epoch: 8627, Train Loss: 0.34285691380500793  
Epoch: 8628, Train Loss: 0.3436471223831177  
Epoch: 8629, Train Loss: 0.34334298968315125  
Epoch: 8630, Train Loss: 0.3388001322746277  
Epoch: 8631, Train Loss: 0.3437710702419281  
Epoch: 8632, Train Loss: 0.34314030408859253  
Epoch: 8633, Train Loss: 0.3403441905975342  
Epoch: 8634, Train Loss: 0.3397391736507416  
Epoch: 8635, Train Loss: 0.3450867235660553  
Epoch: 8636, Train Loss: 0.34551090002059937  
Epoch: 8637, Train Loss: 0.346002995967865  
Epoch: 8638, Train Loss: 0.34057745337486267  
Epoch: 8639, Train Loss: 0.34478288888931274  
Epoch: 8640, Train Loss: 0.34869399666786194  
Epoch: 8641, Train Loss: 0.3426825702190399  
Epoch: 8642, Train Loss: 0.3413578271865845  
Epoch: 8643, Train Loss: 0.3427165448665619  
Epoch: 8644, Train Loss: 0.33994221687316895  
Epoch: 8645, Train Loss: 0.341880202293396  
Epoch: 8646, Train Loss: 0.34021446108818054  
Epoch: 8647, Train Loss: 0.3413963317871094  
Epoch: 8648, Train Loss: 0.3440168797969818  
Epoch: 8649, Train Loss: 0.3440805971622467  
Epoch: 8650, Train Loss: 0.34866443276405334  
Epoch: 8651, Train Loss: 0.34568119049072266  
Epoch: 8652, Train Loss: 0.339933305978775  
Epoch: 8653, Train Loss: 0.3421165943145752  
Epoch: 8654, Train Loss: 0.345547080039978  
Epoch: 8655, Train Loss: 0.3439491391181946  
Epoch: 8656, Train Loss: 0.3418991267681122  
Epoch: 8657, Train Loss: 0.3396773040294647  
Epoch: 8658, Train Loss: 0.34478726983070374  
Epoch: 8659, Train Loss: 0.34318119287490845

Epoch: 8660, Train Loss: 0.34066376090049744  
Epoch: 8661, Train Loss: 0.3393719792366028  
Epoch: 8662, Train Loss: 0.34309738874435425  
Epoch: 8663, Train Loss: 0.3436688780784607  
Epoch: 8664, Train Loss: 0.3473742604255676  
Epoch: 8665, Train Loss: 0.3431802988052368  
Epoch: 8666, Train Loss: 0.34089064598083496  
Epoch: 8667, Train Loss: 0.3438311815261841  
Epoch: 8668, Train Loss: 0.34301072359085083  
Epoch: 8669, Train Loss: 0.34356608986854553  
Epoch: 8670, Train Loss: 0.34459930658340454  
Epoch: 8671, Train Loss: 0.3432178497314453  
Epoch: 8672, Train Loss: 0.3387947976589203  
Epoch: 8673, Train Loss: 0.342963844537735  
Epoch: 8674, Train Loss: 0.3454245924949646  
Epoch: 8675, Train Loss: 0.3427736461162567  
Epoch: 8676, Train Loss: 0.3400740325450897  
Epoch: 8677, Train Loss: 0.34465423226356506  
Epoch: 8678, Train Loss: 0.34045252203941345  
Epoch: 8679, Train Loss: 0.3425289988517761  
Epoch: 8680, Train Loss: 0.34368592500686646  
Epoch: 8681, Train Loss: 0.3419046103954315  
Epoch: 8682, Train Loss: 0.34502267837524414  
Epoch: 8683, Train Loss: 0.34469205141067505  
Epoch: 8684, Train Loss: 0.3437364995479584  
Epoch: 8685, Train Loss: 0.341830313205719  
Epoch: 8686, Train Loss: 0.34547457098960876  
Epoch: 8687, Train Loss: 0.34617283940315247  
Epoch: 8688, Train Loss: 0.3411632478237152  
Epoch: 8689, Train Loss: 0.34108105301856995  
Epoch: 8690, Train Loss: 0.3416978716850281  
Epoch: 8691, Train Loss: 0.3419134020805359  
Epoch: 8692, Train Loss: 0.34183233976364136  
Epoch: 8693, Train Loss: 0.3449361026287079  
Epoch: 8694, Train Loss: 0.34247300028800964  
Epoch: 8695, Train Loss: 0.3400346338748932  
Epoch: 8696, Train Loss: 0.3428858816623688  
Epoch: 8697, Train Loss: 0.34206926822662354  
Epoch: 8698, Train Loss: 0.34264668822288513  
Epoch: 8699, Train Loss: 0.34481316804885864  
Epoch: 8700, Train Loss: 0.3402176797389984  
Epoch: 8701, Train Loss: 0.34412166476249695  
Epoch: 8702, Train Loss: 0.34642893075942993  
Epoch: 8703, Train Loss: 0.33828145265579224  
Epoch: 8704, Train Loss: 0.3405880928039551  
Epoch: 8705, Train Loss: 0.3402807116508484  
Epoch: 8706, Train Loss: 0.3427217900753021  
Epoch: 8707, Train Loss: 0.3410981297492981  
Epoch: 8708, Train Loss: 0.3380124866962433  
Epoch: 8709, Train Loss: 0.3424700200557709  
Epoch: 8710, Train Loss: 0.34211236238479614  
Epoch: 8711, Train Loss: 0.3431081175804138  
Epoch: 8712, Train Loss: 0.3402947783470154  
Epoch: 8713, Train Loss: 0.34087225794792175  
Epoch: 8714, Train Loss: 0.3405100703239441  
Epoch: 8715, Train Loss: 0.34417107701301575  
Epoch: 8716, Train Loss: 0.3403699994087219  
Epoch: 8717, Train Loss: 0.3407287001609802  
Epoch: 8718, Train Loss: 0.3411487936973572  
Epoch: 8719, Train Loss: 0.3417941927909851  
Epoch: 8720, Train Loss: 0.3409286439418793

Epoch: 8721, Train Loss: 0.34423741698265076  
Epoch: 8722, Train Loss: 0.34353137016296387  
Epoch: 8723, Train Loss: 0.3408866822719574  
Epoch: 8724, Train Loss: 0.34032392501831055  
Epoch: 8725, Train Loss: 0.3433331847190857  
Epoch: 8726, Train Loss: 0.34538641571998596  
Epoch: 8727, Train Loss: 0.34052348136901855  
Epoch: 8728, Train Loss: 0.3505341410636902  
Epoch: 8729, Train Loss: 0.3409383296966553  
Epoch: 8730, Train Loss: 0.34400081634521484  
Epoch: 8731, Train Loss: 0.33996933698654175  
Epoch: 8732, Train Loss: 0.34500545263290405  
Epoch: 8733, Train Loss: 0.3447653651237488  
Epoch: 8734, Train Loss: 0.34207648038864136  
Epoch: 8735, Train Loss: 0.34762388467788696  
Epoch: 8736, Train Loss: 0.3448890745639801  
Epoch: 8737, Train Loss: 0.34010136127471924  
Epoch: 8738, Train Loss: 0.3402807116508484  
Epoch: 8739, Train Loss: 0.3401005268096924  
Epoch: 8740, Train Loss: 0.3421061635017395  
Epoch: 8741, Train Loss: 0.3387213349342346  
Epoch: 8742, Train Loss: 0.3408128619194031  
Epoch: 8743, Train Loss: 0.34334149956703186  
Epoch: 8744, Train Loss: 0.34263283014297485  
Epoch: 8745, Train Loss: 0.344294011592865  
Epoch: 8746, Train Loss: 0.3461812436580658  
Epoch: 8747, Train Loss: 0.33988019824028015  
Epoch: 8748, Train Loss: 0.34313127398490906  
Epoch: 8749, Train Loss: 0.34738394618034363  
Epoch: 8750, Train Loss: 0.34077274799346924  
Epoch: 8751, Train Loss: 0.3397204875946045  
Epoch: 8752, Train Loss: 0.3438780903816223  
Epoch: 8753, Train Loss: 0.3446125388145447  
Epoch: 8754, Train Loss: 0.34416836500167847  
Epoch: 8755, Train Loss: 0.3400615155696869  
Epoch: 8756, Train Loss: 0.3399720788002014  
Epoch: 8757, Train Loss: 0.3450203537940979  
Epoch: 8758, Train Loss: 0.34437063336372375  
Epoch: 8759, Train Loss: 0.3434496819972992  
Epoch: 8760, Train Loss: 0.345490038394928  
Epoch: 8761, Train Loss: 0.34189456701278687  
Epoch: 8762, Train Loss: 0.34344586730003357  
Epoch: 8763, Train Loss: 0.3435100018978119  
Epoch: 8764, Train Loss: 0.34076839685440063  
Epoch: 8765, Train Loss: 0.34249645471572876  
Epoch: 8766, Train Loss: 0.34341201186180115  
Epoch: 8767, Train Loss: 0.34170401096343994  
Epoch: 8768, Train Loss: 0.3431737422943115  
Epoch: 8769, Train Loss: 0.3411796987056732  
Epoch: 8770, Train Loss: 0.3402964472770691  
Epoch: 8771, Train Loss: 0.34285229444503784  
Epoch: 8772, Train Loss: 0.34250935912132263  
Epoch: 8773, Train Loss: 0.3406304717063904  
Epoch: 8774, Train Loss: 0.3368682265281677  
Epoch: 8775, Train Loss: 0.3436388075351715  
Epoch: 8776, Train Loss: 0.3431714177131653  
Epoch: 8777, Train Loss: 0.3398136496543884  
Epoch: 8778, Train Loss: 0.3420778810977936  
Epoch: 8779, Train Loss: 0.34261438250541687  
Epoch: 8780, Train Loss: 0.34389981627464294  
Epoch: 8781, Train Loss: 0.3412531316280365

Epoch: 8782, Train Loss: 0.3415523171424866  
Epoch: 8783, Train Loss: 0.34102052450180054  
Epoch: 8784, Train Loss: 0.3411274254322052  
Epoch: 8785, Train Loss: 0.34238991141319275  
Epoch: 8786, Train Loss: 0.34394967555999756  
Epoch: 8787, Train Loss: 0.338656485080719  
Epoch: 8788, Train Loss: 0.3401215672492981  
Epoch: 8789, Train Loss: 0.3401525616645813  
Epoch: 8790, Train Loss: 0.340888112783432  
Epoch: 8791, Train Loss: 0.3416179418563843  
Epoch: 8792, Train Loss: 0.34444552659988403  
Epoch: 8793, Train Loss: 0.3431769609451294  
Epoch: 8794, Train Loss: 0.3434443473815918  
Epoch: 8795, Train Loss: 0.338604599237442  
Epoch: 8796, Train Loss: 0.3471917510032654  
Epoch: 8797, Train Loss: 0.3441506028175354  
Epoch: 8798, Train Loss: 0.34185853600502014  
Epoch: 8799, Train Loss: 0.3416130542755127  
Epoch: 8800, Train Loss: 0.34262973070144653  
Epoch: 8801, Train Loss: 0.3435382544994354  
Epoch: 8802, Train Loss: 0.34068790078163147  
Epoch: 8803, Train Loss: 0.3423328697681427  
Epoch: 8804, Train Loss: 0.34129056334495544  
Epoch: 8805, Train Loss: 0.34088364243507385  
Epoch: 8806, Train Loss: 0.34213894605636597  
Epoch: 8807, Train Loss: 0.3423232436180115  
Epoch: 8808, Train Loss: 0.339633971452713  
Epoch: 8809, Train Loss: 0.33709511160850525  
Epoch: 8810, Train Loss: 0.3453843295574188  
Epoch: 8811, Train Loss: 0.3421006202697754  
Epoch: 8812, Train Loss: 0.3426434099674225  
Epoch: 8813, Train Loss: 0.34803855419158936  
Epoch: 8814, Train Loss: 0.33957114815711975  
Epoch: 8815, Train Loss: 0.3427066206932068  
Epoch: 8816, Train Loss: 0.3399755358695984  
Epoch: 8817, Train Loss: 0.33862611651420593  
Epoch: 8818, Train Loss: 0.3413394093513489  
Epoch: 8819, Train Loss: 0.34497514367103577  
Epoch: 8820, Train Loss: 0.3420714735984802  
Epoch: 8821, Train Loss: 0.3433266878128052  
Epoch: 8822, Train Loss: 0.3397413194179535  
Epoch: 8823, Train Loss: 0.33893081545829773  
Epoch: 8824, Train Loss: 0.34368351101875305  
Epoch: 8825, Train Loss: 0.34428828954696655  
Epoch: 8826, Train Loss: 0.3427005112171173  
Epoch: 8827, Train Loss: 0.3420056700706482  
Epoch: 8828, Train Loss: 0.34343281388282776  
Epoch: 8829, Train Loss: 0.3408994674682617  
Epoch: 8830, Train Loss: 0.342109352350235  
Epoch: 8831, Train Loss: 0.3380607068538666  
Epoch: 8832, Train Loss: 0.3417649567127228  
Epoch: 8833, Train Loss: 0.3383784890174866  
Epoch: 8834, Train Loss: 0.3412763476371765  
Epoch: 8835, Train Loss: 0.34290188550949097  
Epoch: 8836, Train Loss: 0.3462955951690674  
Epoch: 8837, Train Loss: 0.3407495319843292  
Epoch: 8838, Train Loss: 0.340738981962204  
Epoch: 8839, Train Loss: 0.3436111807823181  
Epoch: 8840, Train Loss: 0.3393374979496002  
Epoch: 8841, Train Loss: 0.3439074158668518  
Epoch: 8842, Train Loss: 0.34181860089302063



Epoch: 8843, Train Loss: 0.3385535478591919  
Epoch: 8844, Train Loss: 0.34211820363998413  
Epoch: 8845, Train Loss: 0.3443247079849243  
Epoch: 8846, Train Loss: 0.3404384255409241  
Epoch: 8847, Train Loss: 0.33903419971466064  
Epoch: 8848, Train Loss: 0.3429604172706604  
Epoch: 8849, Train Loss: 0.3411127030849457  
Epoch: 8850, Train Loss: 0.34322068095207214  
Epoch: 8851, Train Loss: 0.33932870626449585  
Epoch: 8852, Train Loss: 0.34547463059425354  
Epoch: 8853, Train Loss: 0.338013231754303  
Epoch: 8854, Train Loss: 0.343281090259552  
Epoch: 8855, Train Loss: 0.3396267294883728  
Epoch: 8856, Train Loss: 0.33864012360572815  
Epoch: 8857, Train Loss: 0.34314805269241333  
Epoch: 8858, Train Loss: 0.34065377712249756  
Epoch: 8859, Train Loss: 0.34535250067710876  
Epoch: 8860, Train Loss: 0.3434264063835144  
Epoch: 8861, Train Loss: 0.3461451530456543  
Epoch: 8862, Train Loss: 0.342842161655426  
Epoch: 8863, Train Loss: 0.3412030041217804  
Epoch: 8864, Train Loss: 0.34067708253860474  
Epoch: 8865, Train Loss: 0.34361177682876587  
Epoch: 8866, Train Loss: 0.3423667550086975  
Epoch: 8867, Train Loss: 0.34302669763565063  
Epoch: 8868, Train Loss: 0.34290748834609985  
Epoch: 8869, Train Loss: 0.34185948967933655  
Epoch: 8870, Train Loss: 0.3412076234817505  
Epoch: 8871, Train Loss: 0.33893269300460815  
Epoch: 8872, Train Loss: 0.34185323119163513  
Epoch: 8873, Train Loss: 0.3402980864048004  
Epoch: 8874, Train Loss: 0.34280702471733093  
Epoch: 8875, Train Loss: 0.34373393654823303  
Epoch: 8876, Train Loss: 0.34168851375579834  
Epoch: 8877, Train Loss: 0.34136873483657837  
Epoch: 8878, Train Loss: 0.34005773067474365  
Epoch: 8879, Train Loss: 0.3448244035243988  
Epoch: 8880, Train Loss: 0.3400457203388214  
Epoch: 8881, Train Loss: 0.3444303274154663  
Epoch: 8882, Train Loss: 0.338566392660141  
Epoch: 8883, Train Loss: 0.3406776189804077  
Epoch: 8884, Train Loss: 0.34250402450561523  
Epoch: 8885, Train Loss: 0.3378918170928955  
Epoch: 8886, Train Loss: 0.34158486127853394  
Epoch: 8887, Train Loss: 0.340398907661438  
Epoch: 8888, Train Loss: 0.34312424063682556  
Epoch: 8889, Train Loss: 0.3388780355453491  
Epoch: 8890, Train Loss: 0.3423258662223816  
Epoch: 8891, Train Loss: 0.34206050634384155  
Epoch: 8892, Train Loss: 0.3385630249977112  
Epoch: 8893, Train Loss: 0.3410959839820862  
Epoch: 8894, Train Loss: 0.3395589292049408  
Epoch: 8895, Train Loss: 0.3422618508338928  
Epoch: 8896, Train Loss: 0.3395366072654724  
Epoch: 8897, Train Loss: 0.34045371413230896  
Epoch: 8898, Train Loss: 0.33954137563705444  
Epoch: 8899, Train Loss: 0.3446251153945923  
Epoch: 8900, Train Loss: 0.3426400423049927  
Epoch: 8901, Train Loss: 0.3473063111305237  
Epoch: 8902, Train Loss: 0.34111711382865906  
Epoch: 8903, Train Loss: 0.340748131275177

Epoch: 8904, Train Loss: 0.34522587060928345  
Epoch: 8905, Train Loss: 0.3380412459373474  
Epoch: 8906, Train Loss: 0.34076550602912903  
Epoch: 8907, Train Loss: 0.34129756689071655  
Epoch: 8908, Train Loss: 0.33645206689834595  
Epoch: 8909, Train Loss: 0.34118756651878357  
Epoch: 8910, Train Loss: 0.3449748158454895  
Epoch: 8911, Train Loss: 0.34299594163894653  
Epoch: 8912, Train Loss: 0.3417285084724426  
Epoch: 8913, Train Loss: 0.3419211804866791  
Epoch: 8914, Train Loss: 0.33864542841911316  
Epoch: 8915, Train Loss: 0.3413638770580292  
Epoch: 8916, Train Loss: 0.3410087823867798  
Epoch: 8917, Train Loss: 0.3402996063232422  
Epoch: 8918, Train Loss: 0.33943384885787964  
Epoch: 8919, Train Loss: 0.3444141745567322  
Epoch: 8920, Train Loss: 0.3395543396472931  
Epoch: 8921, Train Loss: 0.34033912420272827  
Epoch: 8922, Train Loss: 0.34800997376441956  
Epoch: 8923, Train Loss: 0.34332841634750366  
Epoch: 8924, Train Loss: 0.3435062766075134  
Epoch: 8925, Train Loss: 0.34274956583976746  
Epoch: 8926, Train Loss: 0.34031352400779724  
Epoch: 8927, Train Loss: 0.345742404460907  
Epoch: 8928, Train Loss: 0.34127524495124817  
Epoch: 8929, Train Loss: 0.33937376737594604  
Epoch: 8930, Train Loss: 0.3425230383872986  
Epoch: 8931, Train Loss: 0.33983123302459717  
Epoch: 8932, Train Loss: 0.3465427756309509  
Epoch: 8933, Train Loss: 0.34064576029777527  
Epoch: 8934, Train Loss: 0.3423164486885071  
Epoch: 8935, Train Loss: 0.34707358479499817  
Epoch: 8936, Train Loss: 0.33954963088035583  
Epoch: 8937, Train Loss: 0.34323030710220337  
Epoch: 8938, Train Loss: 0.3415462374687195  
Epoch: 8939, Train Loss: 0.3382876217365265  
Epoch: 8940, Train Loss: 0.3360840380191803  
Epoch: 8941, Train Loss: 0.340040922164917  
Epoch: 8942, Train Loss: 0.34480029344558716  
Epoch: 8943, Train Loss: 0.3408636450767517  
Epoch: 8944, Train Loss: 0.34048184752464294  
Epoch: 8945, Train Loss: 0.3380347490310669  
Epoch: 8946, Train Loss: 0.3429345488548279  
Epoch: 8947, Train Loss: 0.344704270362854  
Epoch: 8948, Train Loss: 0.34374648332595825  
Epoch: 8949, Train Loss: 0.34057992696762085  
Epoch: 8950, Train Loss: 0.3404199481010437  
Epoch: 8951, Train Loss: 0.3378278613090515  
Epoch: 8952, Train Loss: 0.34135669469833374  
Epoch: 8953, Train Loss: 0.3400828242301941  
Epoch: 8954, Train Loss: 0.3436262309551239  
Epoch: 8955, Train Loss: 0.33993634581565857  
Epoch: 8956, Train Loss: 0.3399602770805359  
Epoch: 8957, Train Loss: 0.3407481610774994  
Epoch: 8958, Train Loss: 0.33749157190322876  
Epoch: 8959, Train Loss: 0.34102490544319153  
Epoch: 8960, Train Loss: 0.3472409248352051  
Epoch: 8961, Train Loss: 0.3431747555732727  
Epoch: 8962, Train Loss: 0.3429616391658783  
Epoch: 8963, Train Loss: 0.3368787169456482  
Epoch: 8964, Train Loss: 0.33905965089797974

Epoch: 8965, Train Loss: 0.3410605788230896  
Epoch: 8966, Train Loss: 0.3420969545841217  
Epoch: 8967, Train Loss: 0.3433351516723633  
Epoch: 8968, Train Loss: 0.3385683596134186  
Epoch: 8969, Train Loss: 0.3403390049934387  
Epoch: 8970, Train Loss: 0.3424418568611145  
Epoch: 8971, Train Loss: 0.33940553665161133  
Epoch: 8972, Train Loss: 0.34117621183395386  
Epoch: 8973, Train Loss: 0.339356392621994  
Epoch: 8974, Train Loss: 0.3405306935310364  
Epoch: 8975, Train Loss: 0.3422966003417969  
Epoch: 8976, Train Loss: 0.3427355885505676  
Epoch: 8977, Train Loss: 0.3415793180465698  
Epoch: 8978, Train Loss: 0.33737581968307495  
Epoch: 8979, Train Loss: 0.33853963017463684  
Epoch: 8980, Train Loss: 0.342937171459198  
Epoch: 8981, Train Loss: 0.3418355882167816  
Epoch: 8982, Train Loss: 0.3393377661705017  
Epoch: 8983, Train Loss: 0.3398246169090271  
Epoch: 8984, Train Loss: 0.3405471444129944  
Epoch: 8985, Train Loss: 0.33696818351745605  
Epoch: 8986, Train Loss: 0.33985283970832825  
Epoch: 8987, Train Loss: 0.34231552481651306  
Epoch: 8988, Train Loss: 0.3380519449710846  
Epoch: 8989, Train Loss: 0.3399966359138489  
Epoch: 8990, Train Loss: 0.3424365520477295  
Epoch: 8991, Train Loss: 0.3374858796596527  
Epoch: 8992, Train Loss: 0.341951459646225  
Epoch: 8993, Train Loss: 0.34043455123901367  
Epoch: 8994, Train Loss: 0.3381330668926239  
Epoch: 8995, Train Loss: 0.3416435420513153  
Epoch: 8996, Train Loss: 0.3376750349998474  
Epoch: 8997, Train Loss: 0.3419119417667389  
Epoch: 8998, Train Loss: 0.3396624028682709  
Epoch: 8999, Train Loss: 0.34245574474334717  
Epoch: 9000, Train Loss: 0.340756356716156  
Epoch: 9001, Train Loss: 0.34316879510879517  
Epoch: 9002, Train Loss: 0.3390432596206665  
Epoch: 9003, Train Loss: 0.3373439908027649  
Epoch: 9004, Train Loss: 0.34046629071235657  
Epoch: 9005, Train Loss: 0.34062129259109497  
Epoch: 9006, Train Loss: 0.3403159976005554  
Epoch: 9007, Train Loss: 0.34325212240219116  
Epoch: 9008, Train Loss: 0.33771640062332153  
Epoch: 9009, Train Loss: 0.34844130277633667  
Epoch: 9010, Train Loss: 0.3409026563167572  
Epoch: 9011, Train Loss: 0.34222158789634705  
Epoch: 9012, Train Loss: 0.34257200360298157  
Epoch: 9013, Train Loss: 0.34298381209373474  
Epoch: 9014, Train Loss: 0.34081441164016724  
Epoch: 9015, Train Loss: 0.33943700790405273  
Epoch: 9016, Train Loss: 0.3415197730064392  
Epoch: 9017, Train Loss: 0.3401568830013275  
Epoch: 9018, Train Loss: 0.34200963377952576  
Epoch: 9019, Train Loss: 0.3403131067752838  
Epoch: 9020, Train Loss: 0.34046605229377747  
Epoch: 9021, Train Loss: 0.340729296207428  
Epoch: 9022, Train Loss: 0.33941948413848877  
Epoch: 9023, Train Loss: 0.34103924036026  
Epoch: 9024, Train Loss: 0.3377041220664978  
Epoch: 9025, Train Loss: 0.3414841294288635

Epoch: 9026, Train Loss: 0.3413279056549072  
Epoch: 9027, Train Loss: 0.3395545780658722  
Epoch: 9028, Train Loss: 0.340080589056015  
Epoch: 9029, Train Loss: 0.34122949838638306  
Epoch: 9030, Train Loss: 0.34509873390197754  
Epoch: 9031, Train Loss: 0.3427599370479584  
Epoch: 9032, Train Loss: 0.3410474359989166  
Epoch: 9033, Train Loss: 0.3446428179740906  
Epoch: 9034, Train Loss: 0.339626282453537  
Epoch: 9035, Train Loss: 0.34230369329452515  
Epoch: 9036, Train Loss: 0.3404131829738617  
Epoch: 9037, Train Loss: 0.34126168489456177  
Epoch: 9038, Train Loss: 0.33990478515625  
Epoch: 9039, Train Loss: 0.3402837812900543  
Epoch: 9040, Train Loss: 0.3420524597167969  
Epoch: 9041, Train Loss: 0.3441431522369385  
Epoch: 9042, Train Loss: 0.3399624228477478  
Epoch: 9043, Train Loss: 0.33956772089004517  
Epoch: 9044, Train Loss: 0.34587928652763367  
Epoch: 9045, Train Loss: 0.34121158719062805  
Epoch: 9046, Train Loss: 0.3422965407371521  
Epoch: 9047, Train Loss: 0.3421947956085205  
Epoch: 9048, Train Loss: 0.34039074182510376  
Epoch: 9049, Train Loss: 0.34003740549087524  
Epoch: 9050, Train Loss: 0.34029683470726013  
Epoch: 9051, Train Loss: 0.3388674259185791  
Epoch: 9052, Train Loss: 0.341258704662323  
Epoch: 9053, Train Loss: 0.3430994153022766  
Epoch: 9054, Train Loss: 0.33825042843818665  
Epoch: 9055, Train Loss: 0.33937177062034607  
Epoch: 9056, Train Loss: 0.3452782928943634  
Epoch: 9057, Train Loss: 0.34311574697494507  
Epoch: 9058, Train Loss: 0.3411235809326172  
Epoch: 9059, Train Loss: 0.3427562415599823  
Epoch: 9060, Train Loss: 0.34100136160850525  
Epoch: 9061, Train Loss: 0.3375926613807678  
Epoch: 9062, Train Loss: 0.34015366435050964  
Epoch: 9063, Train Loss: 0.3458138406276703  
Epoch: 9064, Train Loss: 0.3410082459449768  
Epoch: 9065, Train Loss: 0.3425375819206238  
Epoch: 9066, Train Loss: 0.341590940952301  
Epoch: 9067, Train Loss: 0.3392019271850586  
Epoch: 9068, Train Loss: 0.340870201587677  
Epoch: 9069, Train Loss: 0.3431083858013153  
Epoch: 9070, Train Loss: 0.34264183044433594  
Epoch: 9071, Train Loss: 0.34355300664901733  
Epoch: 9072, Train Loss: 0.343888521194458  
Epoch: 9073, Train Loss: 0.33911290764808655  
Epoch: 9074, Train Loss: 0.3418245315551758  
Epoch: 9075, Train Loss: 0.3383254110813141  
Epoch: 9076, Train Loss: 0.34558212757110596  
Epoch: 9077, Train Loss: 0.3433762490749359  
Epoch: 9078, Train Loss: 0.341307669878006  
Epoch: 9079, Train Loss: 0.34160560369491577  
Epoch: 9080, Train Loss: 0.3398300111293793  
Epoch: 9081, Train Loss: 0.3437040448188782  
Epoch: 9082, Train Loss: 0.34195348620414734  
Epoch: 9083, Train Loss: 0.3414525091648102  
Epoch: 9084, Train Loss: 0.34000417590141296  
Epoch: 9085, Train Loss: 0.3450058400630951  
Epoch: 9086, Train Loss: 0.34058135747909546

Epoch: 9087, Train Loss: 0.34138065576553345  
Epoch: 9088, Train Loss: 0.34151872992515564  
Epoch: 9089, Train Loss: 0.33811038732528687  
Epoch: 9090, Train Loss: 0.33991798758506775  
Epoch: 9091, Train Loss: 0.3394656181335449  
Epoch: 9092, Train Loss: 0.3420449197292328  
Epoch: 9093, Train Loss: 0.34177207946777344  
Epoch: 9094, Train Loss: 0.3399133086204529  
Epoch: 9095, Train Loss: 0.33627182245254517  
Epoch: 9096, Train Loss: 0.3427262008190155  
Epoch: 9097, Train Loss: 0.3399589955806732  
Epoch: 9098, Train Loss: 0.34475165605545044  
Epoch: 9099, Train Loss: 0.34147483110427856  
Epoch: 9100, Train Loss: 0.3415759205818176  
Epoch: 9101, Train Loss: 0.342306524515152  
Epoch: 9102, Train Loss: 0.339517205953598  
Epoch: 9103, Train Loss: 0.3442816138267517  
Epoch: 9104, Train Loss: 0.33845236897468567  
Epoch: 9105, Train Loss: 0.34120723605155945  
Epoch: 9106, Train Loss: 0.3437863290309906  
Epoch: 9107, Train Loss: 0.340108186006546  
Epoch: 9108, Train Loss: 0.3441864848136902  
Epoch: 9109, Train Loss: 0.34052368998527527  
Epoch: 9110, Train Loss: 0.34344062209129333  
Epoch: 9111, Train Loss: 0.3381859064102173  
Epoch: 9112, Train Loss: 0.34402644634246826  
Epoch: 9113, Train Loss: 0.3398459255695343  
Epoch: 9114, Train Loss: 0.340568482875824  
Epoch: 9115, Train Loss: 0.3387170433998108  
Epoch: 9116, Train Loss: 0.33750849962234497  
Epoch: 9117, Train Loss: 0.34638604521751404  
Epoch: 9118, Train Loss: 0.34220561385154724  
Epoch: 9119, Train Loss: 0.3412836492061615  
Epoch: 9120, Train Loss: 0.3392942547798157  
Epoch: 9121, Train Loss: 0.3389190435409546  
Epoch: 9122, Train Loss: 0.33981412649154663  
Epoch: 9123, Train Loss: 0.34177517890930176  
Epoch: 9124, Train Loss: 0.341999351978302  
Epoch: 9125, Train Loss: 0.33935290575027466  
Epoch: 9126, Train Loss: 0.33736151456832886  
Epoch: 9127, Train Loss: 0.33884409070014954  
Epoch: 9128, Train Loss: 0.33984190225601196  
Epoch: 9129, Train Loss: 0.33951860666275024  
Epoch: 9130, Train Loss: 0.3399711847305298  
Epoch: 9131, Train Loss: 0.3380020558834076  
Epoch: 9132, Train Loss: 0.340925395488739  
Epoch: 9133, Train Loss: 0.3421216905117035  
Epoch: 9134, Train Loss: 0.3412056863307953  
Epoch: 9135, Train Loss: 0.3417486250400543  
Epoch: 9136, Train Loss: 0.33841395378112793  
Epoch: 9137, Train Loss: 0.3434067964553833  
Epoch: 9138, Train Loss: 0.3434005379676819  
Epoch: 9139, Train Loss: 0.3412570357322693  
Epoch: 9140, Train Loss: 0.33874183893203735  
Epoch: 9141, Train Loss: 0.34357357025146484  
Epoch: 9142, Train Loss: 0.3386748135089874  
Epoch: 9143, Train Loss: 0.34141984581947327  
Epoch: 9144, Train Loss: 0.3420681059360504  
Epoch: 9145, Train Loss: 0.3394472599029541  
Epoch: 9146, Train Loss: 0.33823883533477783  
Epoch: 9147, Train Loss: 0.3404080867767334

Epoch: 9148, Train Loss: 0.33981066942214966  
Epoch: 9149, Train Loss: 0.3419772684574127  
Epoch: 9150, Train Loss: 0.3442738950252533  
Epoch: 9151, Train Loss: 0.34095391631126404  
Epoch: 9152, Train Loss: 0.3410443961620331  
Epoch: 9153, Train Loss: 0.344047486782074  
Epoch: 9154, Train Loss: 0.3425634801387787  
Epoch: 9155, Train Loss: 0.3376001715660095  
Epoch: 9156, Train Loss: 0.3400040566921234  
Epoch: 9157, Train Loss: 0.3369733691215515  
Epoch: 9158, Train Loss: 0.3432711660861969  
Epoch: 9159, Train Loss: 0.33697783946990967  
Epoch: 9160, Train Loss: 0.343074768781662  
Epoch: 9161, Train Loss: 0.339323490858078  
Epoch: 9162, Train Loss: 0.3409687876701355  
Epoch: 9163, Train Loss: 0.3399869203567505  
Epoch: 9164, Train Loss: 0.33799469470977783  
Epoch: 9165, Train Loss: 0.33742043375968933  
Epoch: 9166, Train Loss: 0.3395274877548218  
Epoch: 9167, Train Loss: 0.33940592408180237  
Epoch: 9168, Train Loss: 0.33877843618392944  
Epoch: 9169, Train Loss: 0.339397668838501  
Epoch: 9170, Train Loss: 0.3389674723148346  
Epoch: 9171, Train Loss: 0.34031957387924194  
Epoch: 9172, Train Loss: 0.3383769989013672  
Epoch: 9173, Train Loss: 0.34089675545692444  
Epoch: 9174, Train Loss: 0.34140336513519287  
Epoch: 9175, Train Loss: 0.34039872884750366  
Epoch: 9176, Train Loss: 0.34098392724990845  
Epoch: 9177, Train Loss: 0.3485039174556732  
Epoch: 9178, Train Loss: 0.3391677141189575  
Epoch: 9179, Train Loss: 0.33795830607414246  
Epoch: 9180, Train Loss: 0.3428344130516052  
Epoch: 9181, Train Loss: 0.3400251567363739  
Epoch: 9182, Train Loss: 0.33580803871154785  
Epoch: 9183, Train Loss: 0.339730829000473  
Epoch: 9184, Train Loss: 0.3415481150150299  
Epoch: 9185, Train Loss: 0.34191733598709106  
Epoch: 9186, Train Loss: 0.34346580505371094  
Epoch: 9187, Train Loss: 0.33965393900871277  
Epoch: 9188, Train Loss: 0.3421323001384735  
Epoch: 9189, Train Loss: 0.33863550424575806  
Epoch: 9190, Train Loss: 0.34302422404289246  
Epoch: 9191, Train Loss: 0.3395647406578064  
Epoch: 9192, Train Loss: 0.3436875641345978  
Epoch: 9193, Train Loss: 0.33591923117637634  
Epoch: 9194, Train Loss: 0.33828234672546387  
Epoch: 9195, Train Loss: 0.33924779295921326  
Epoch: 9196, Train Loss: 0.3392868936061859  
Epoch: 9197, Train Loss: 0.3438938558101654  
Epoch: 9198, Train Loss: 0.33798643946647644  
Epoch: 9199, Train Loss: 0.33728933334350586  
Epoch: 9200, Train Loss: 0.33922484517097473  
Epoch: 9201, Train Loss: 0.342376708984375  
Epoch: 9202, Train Loss: 0.3388034403324127  
Epoch: 9203, Train Loss: 0.34184178709983826  
Epoch: 9204, Train Loss: 0.3377535343170166  
Epoch: 9205, Train Loss: 0.34319788217544556  
Epoch: 9206, Train Loss: 0.33972248435020447  
Epoch: 9207, Train Loss: 0.33742401003837585  
Epoch: 9208, Train Loss: 0.34435123205184937

Epoch: 9209, Train Loss: 0.3411988914012909  
Epoch: 9210, Train Loss: 0.341909795999527  
Epoch: 9211, Train Loss: 0.3379974067211151  
Epoch: 9212, Train Loss: 0.34045106172561646  
Epoch: 9213, Train Loss: 0.33672887086868286  
Epoch: 9214, Train Loss: 0.33943766355514526  
Epoch: 9215, Train Loss: 0.3437627851963043  
Epoch: 9216, Train Loss: 0.3405776023864746  
Epoch: 9217, Train Loss: 0.3402644395828247  
Epoch: 9218, Train Loss: 0.34056684374809265  
Epoch: 9219, Train Loss: 0.34292930364608765  
Epoch: 9220, Train Loss: 0.3407008945941925  
Epoch: 9221, Train Loss: 0.3415904641151428  
Epoch: 9222, Train Loss: 0.3405171036720276  
Epoch: 9223, Train Loss: 0.3409053683280945  
Epoch: 9224, Train Loss: 0.34296801686286926  
Epoch: 9225, Train Loss: 0.3451971411705017  
Epoch: 9226, Train Loss: 0.34549680352211  
Epoch: 9227, Train Loss: 0.34166309237480164  
Epoch: 9228, Train Loss: 0.3404988944530487  
Epoch: 9229, Train Loss: 0.34102165699005127  
Epoch: 9230, Train Loss: 0.3385525643825531  
Epoch: 9231, Train Loss: 0.340955525636673  
Epoch: 9232, Train Loss: 0.34215638041496277  
Epoch: 9233, Train Loss: 0.33916008472442627  
Epoch: 9234, Train Loss: 0.33824604749679565  
Epoch: 9235, Train Loss: 0.34189799427986145  
Epoch: 9236, Train Loss: 0.33999285101890564  
Epoch: 9237, Train Loss: 0.3387771248817444  
Epoch: 9238, Train Loss: 0.34139949083328247  
Epoch: 9239, Train Loss: 0.33856913447380066  
Epoch: 9240, Train Loss: 0.33870357275009155  
Epoch: 9241, Train Loss: 0.338323175907135  
Epoch: 9242, Train Loss: 0.3421150743961334  
Epoch: 9243, Train Loss: 0.34370043873786926  
Epoch: 9244, Train Loss: 0.34078341722488403  
Epoch: 9245, Train Loss: 0.34349340200424194  
Epoch: 9246, Train Loss: 0.3374900221824646  
Epoch: 9247, Train Loss: 0.33778104186058044  
Epoch: 9248, Train Loss: 0.33797797560691833  
Epoch: 9249, Train Loss: 0.33861297369003296  
Epoch: 9250, Train Loss: 0.3430179953575134  
Epoch: 9251, Train Loss: 0.33821362257003784  
Epoch: 9252, Train Loss: 0.3379783034324646  
Epoch: 9253, Train Loss: 0.34030020236968994  
Epoch: 9254, Train Loss: 0.3412339687347412  
Epoch: 9255, Train Loss: 0.34099695086479187  
Epoch: 9256, Train Loss: 0.33957040309906006  
Epoch: 9257, Train Loss: 0.33949726819992065  
Epoch: 9258, Train Loss: 0.33751407265663147  
Epoch: 9259, Train Loss: 0.33714115619659424  
Epoch: 9260, Train Loss: 0.34019795060157776  
Epoch: 9261, Train Loss: 0.3405382037162781  
Epoch: 9262, Train Loss: 0.33932727575302124  
Epoch: 9263, Train Loss: 0.3370364308357239  
Epoch: 9264, Train Loss: 0.340578556060791  
Epoch: 9265, Train Loss: 0.3391062617301941  
Epoch: 9266, Train Loss: 0.3430427312850952  
Epoch: 9267, Train Loss: 0.3360551595687866  
Epoch: 9268, Train Loss: 0.3395453691482544  
Epoch: 9269, Train Loss: 0.34383922815322876

Epoch: 9270, Train Loss: 0.3407556116580963  
Epoch: 9271, Train Loss: 0.34180256724357605  
Epoch: 9272, Train Loss: 0.3403056859970093  
Epoch: 9273, Train Loss: 0.3402748107910156  
Epoch: 9274, Train Loss: 0.3440408706665039  
Epoch: 9275, Train Loss: 0.338771253824234  
Epoch: 9276, Train Loss: 0.3389712870121002  
Epoch: 9277, Train Loss: 0.33812031149864197  
Epoch: 9278, Train Loss: 0.33963900804519653  
Epoch: 9279, Train Loss: 0.33906543254852295  
Epoch: 9280, Train Loss: 0.34005534648895264  
Epoch: 9281, Train Loss: 0.3414337635040283  
Epoch: 9282, Train Loss: 0.3387107253074646  
Epoch: 9283, Train Loss: 0.33946484327316284  
Epoch: 9284, Train Loss: 0.34429076313972473  
Epoch: 9285, Train Loss: 0.3405601680278778  
Epoch: 9286, Train Loss: 0.34234756231307983  
Epoch: 9287, Train Loss: 0.3374432921409607  
Epoch: 9288, Train Loss: 0.3392823040485382  
Epoch: 9289, Train Loss: 0.34145423769950867  
Epoch: 9290, Train Loss: 0.3370527923107147  
Epoch: 9291, Train Loss: 0.34001415967941284  
Epoch: 9292, Train Loss: 0.3452872633934021  
Epoch: 9293, Train Loss: 0.33686167001724243  
Epoch: 9294, Train Loss: 0.3463619649410248  
Epoch: 9295, Train Loss: 0.3447380065917969  
Epoch: 9296, Train Loss: 0.3402508795261383  
Epoch: 9297, Train Loss: 0.33760562539100647  
Epoch: 9298, Train Loss: 0.33640915155410767  
Epoch: 9299, Train Loss: 0.33946144580841064  
Epoch: 9300, Train Loss: 0.3398480713367462  
Epoch: 9301, Train Loss: 0.3383089005947113  
Epoch: 9302, Train Loss: 0.3387802243232727  
Epoch: 9303, Train Loss: 0.3358449935913086  
Epoch: 9304, Train Loss: 0.3411279320716858  
Epoch: 9305, Train Loss: 0.34260743856430054  
Epoch: 9306, Train Loss: 0.341377317905426  
Epoch: 9307, Train Loss: 0.3380275070667267  
Epoch: 9308, Train Loss: 0.340150386095047  
Epoch: 9309, Train Loss: 0.34050503373146057  
Epoch: 9310, Train Loss: 0.3434329628944397  
Epoch: 9311, Train Loss: 0.34084874391555786  
Epoch: 9312, Train Loss: 0.33929961919784546  
Epoch: 9313, Train Loss: 0.3390186131000519  
Epoch: 9314, Train Loss: 0.34019023180007935  
Epoch: 9315, Train Loss: 0.33630281686782837  
Epoch: 9316, Train Loss: 0.34022393822669983  
Epoch: 9317, Train Loss: 0.3383890986442566  
Epoch: 9318, Train Loss: 0.34063905477523804  
Epoch: 9319, Train Loss: 0.34118542075157166  
Epoch: 9320, Train Loss: 0.34073305130004883  
Epoch: 9321, Train Loss: 0.3376198709011078  
Epoch: 9322, Train Loss: 0.3425787687301636  
Epoch: 9323, Train Loss: 0.34108877182006836  
Epoch: 9324, Train Loss: 0.33997803926467896  
Epoch: 9325, Train Loss: 0.33742278814315796  
Epoch: 9326, Train Loss: 0.3389185667037964  
Epoch: 9327, Train Loss: 0.3379105031490326  
Epoch: 9328, Train Loss: 0.33872190117836  
Epoch: 9329, Train Loss: 0.33875179290771484  
Epoch: 9330, Train Loss: 0.3376366198062897



Epoch: 9331, Train Loss: 0.34137922525405884  
Epoch: 9332, Train Loss: 0.33774715662002563  
Epoch: 9333, Train Loss: 0.3384750485420227  
Epoch: 9334, Train Loss: 0.34024569392204285  
Epoch: 9335, Train Loss: 0.34220919013023376  
Epoch: 9336, Train Loss: 0.3347984254360199  
Epoch: 9337, Train Loss: 0.3384075164794922  
Epoch: 9338, Train Loss: 0.33852437138557434  
Epoch: 9339, Train Loss: 0.34003204107284546  
Epoch: 9340, Train Loss: 0.33653783798217773  
Epoch: 9341, Train Loss: 0.34309807419776917  
Epoch: 9342, Train Loss: 0.33698105812072754  
Epoch: 9343, Train Loss: 0.3367750346660614  
Epoch: 9344, Train Loss: 0.337456613779068  
Epoch: 9345, Train Loss: 0.3376862108707428  
Epoch: 9346, Train Loss: 0.3386433720588684  
Epoch: 9347, Train Loss: 0.3394903540611267  
Epoch: 9348, Train Loss: 0.3413793742656708  
Epoch: 9349, Train Loss: 0.3358292579650879  
Epoch: 9350, Train Loss: 0.3379294276237488  
Epoch: 9351, Train Loss: 0.33975696563720703  
Epoch: 9352, Train Loss: 0.33816710114479065  
Epoch: 9353, Train Loss: 0.3360198736190796  
Epoch: 9354, Train Loss: 0.34105297923088074  
Epoch: 9355, Train Loss: 0.3403671383857727  
Epoch: 9356, Train Loss: 0.33888769149780273  
Epoch: 9357, Train Loss: 0.3392748236656189  
Epoch: 9358, Train Loss: 0.33964604139328003  
Epoch: 9359, Train Loss: 0.3423210680484772  
Epoch: 9360, Train Loss: 0.33924421668052673  
Epoch: 9361, Train Loss: 0.3421763479709625  
Epoch: 9362, Train Loss: 0.33955100178718567  
Epoch: 9363, Train Loss: 0.343131959438324  
Epoch: 9364, Train Loss: 0.3420533537864685  
Epoch: 9365, Train Loss: 0.3423647880554199  
Epoch: 9366, Train Loss: 0.3421059250831604  
Epoch: 9367, Train Loss: 0.3392665982246399  
Epoch: 9368, Train Loss: 0.34208306670188904  
Epoch: 9369, Train Loss: 0.3425101041793823  
Epoch: 9370, Train Loss: 0.3381783962249756  
Epoch: 9371, Train Loss: 0.3408936858177185  
Epoch: 9372, Train Loss: 0.3415747284889221  
Epoch: 9373, Train Loss: 0.3374953269958496  
Epoch: 9374, Train Loss: 0.33709579706192017  
Epoch: 9375, Train Loss: 0.3407028615474701  
Epoch: 9376, Train Loss: 0.33955898880958557  
Epoch: 9377, Train Loss: 0.3384953737258911  
Epoch: 9378, Train Loss: 0.3371041715145111  
Epoch: 9379, Train Loss: 0.34147486090660095  
Epoch: 9380, Train Loss: 0.33812183141708374  
Epoch: 9381, Train Loss: 0.3383921682834625  
Epoch: 9382, Train Loss: 0.33703356981277466  
Epoch: 9383, Train Loss: 0.3388175964355469  
Epoch: 9384, Train Loss: 0.34026244282722473  
Epoch: 9385, Train Loss: 0.3411449193954468  
Epoch: 9386, Train Loss: 0.3409070670604706  
Epoch: 9387, Train Loss: 0.34271687269210815  
Epoch: 9388, Train Loss: 0.34033918380737305  
Epoch: 9389, Train Loss: 0.33818721771240234  
Epoch: 9390, Train Loss: 0.3371630609035492  
Epoch: 9391, Train Loss: 0.3386368453502655

Epoch: 9392, Train Loss: 0.3422574996948242  
Epoch: 9393, Train Loss: 0.3411366939544678  
Epoch: 9394, Train Loss: 0.3389838635921478  
Epoch: 9395, Train Loss: 0.33954817056655884  
Epoch: 9396, Train Loss: 0.33977800607681274  
Epoch: 9397, Train Loss: 0.33897703886032104  
Epoch: 9398, Train Loss: 0.341146856546402  
Epoch: 9399, Train Loss: 0.33769798278808594  
Epoch: 9400, Train Loss: 0.34506791830062866  
Epoch: 9401, Train Loss: 0.3346582055091858  
Epoch: 9402, Train Loss: 0.3387615382671356  
Epoch: 9403, Train Loss: 0.33892175555229187  
Epoch: 9404, Train Loss: 0.34456485509872437  
Epoch: 9405, Train Loss: 0.33837106823921204  
Epoch: 9406, Train Loss: 0.3361167311668396  
Epoch: 9407, Train Loss: 0.34118035435676575  
Epoch: 9408, Train Loss: 0.33992984890937805  
Epoch: 9409, Train Loss: 0.336353063583374  
Epoch: 9410, Train Loss: 0.34056854248046875  
Epoch: 9411, Train Loss: 0.3367595672607422  
Epoch: 9412, Train Loss: 0.3396456837654114  
Epoch: 9413, Train Loss: 0.33945465087890625  
Epoch: 9414, Train Loss: 0.3395566940307617  
Epoch: 9415, Train Loss: 0.34094327688217163  
Epoch: 9416, Train Loss: 0.34051552414894104  
Epoch: 9417, Train Loss: 0.3402829170227051  
Epoch: 9418, Train Loss: 0.33993464708328247  
Epoch: 9419, Train Loss: 0.33749547600746155  
Epoch: 9420, Train Loss: 0.3389529585838318  
Epoch: 9421, Train Loss: 0.3362593352794647  
Epoch: 9422, Train Loss: 0.34110766649246216  
Epoch: 9423, Train Loss: 0.33637237548828125  
Epoch: 9424, Train Loss: 0.33805257081985474  
Epoch: 9425, Train Loss: 0.34047260880470276  
Epoch: 9426, Train Loss: 0.3382778763771057  
Epoch: 9427, Train Loss: 0.33982449769973755  
Epoch: 9428, Train Loss: 0.33676454424858093  
Epoch: 9429, Train Loss: 0.33868327736854553  
Epoch: 9430, Train Loss: 0.339905321598053  
Epoch: 9431, Train Loss: 0.3390100300312042  
Epoch: 9432, Train Loss: 0.33633697032928467  
Epoch: 9433, Train Loss: 0.3399416208267212  
Epoch: 9434, Train Loss: 0.33970552682876587  
Epoch: 9435, Train Loss: 0.3420741558074951  
Epoch: 9436, Train Loss: 0.33844730257987976  
Epoch: 9437, Train Loss: 0.33983319997787476  
Epoch: 9438, Train Loss: 0.34069713950157166  
Epoch: 9439, Train Loss: 0.3416949212551117  
Epoch: 9440, Train Loss: 0.3386705219745636  
Epoch: 9441, Train Loss: 0.33823662996292114  
Epoch: 9442, Train Loss: 0.34052574634552  
Epoch: 9443, Train Loss: 0.33903205394744873  
Epoch: 9444, Train Loss: 0.337778776884079  
Epoch: 9445, Train Loss: 0.33993595838546753  
Epoch: 9446, Train Loss: 0.3425444960594177  
Epoch: 9447, Train Loss: 0.33882036805152893  
Epoch: 9448, Train Loss: 0.3427852690219879  
Epoch: 9449, Train Loss: 0.34162527322769165  
Epoch: 9450, Train Loss: 0.3452368378639221  
Epoch: 9451, Train Loss: 0.3383542597293854  
Epoch: 9452, Train Loss: 0.34133273363113403

Epoch: 9453, Train Loss: 0.33894607424736023  
Epoch: 9454, Train Loss: 0.340057373046875  
Epoch: 9455, Train Loss: 0.3402717113494873  
Epoch: 9456, Train Loss: 0.33805128931999207  
Epoch: 9457, Train Loss: 0.3403621315956116  
Epoch: 9458, Train Loss: 0.33913442492485046  
Epoch: 9459, Train Loss: 0.33545809984207153  
Epoch: 9460, Train Loss: 0.3395928740501404  
Epoch: 9461, Train Loss: 0.3421558737754822  
Epoch: 9462, Train Loss: 0.33468425273895264  
Epoch: 9463, Train Loss: 0.3425695598125458  
Epoch: 9464, Train Loss: 0.3397648334503174  
Epoch: 9465, Train Loss: 0.3419387936592102  
Epoch: 9466, Train Loss: 0.3369370102882385  
Epoch: 9467, Train Loss: 0.3348613381385803  
Epoch: 9468, Train Loss: 0.33721333742141724  
Epoch: 9469, Train Loss: 0.3405088782310486  
Epoch: 9470, Train Loss: 0.3415987491607666  
Epoch: 9471, Train Loss: 0.33952122926712036  
Epoch: 9472, Train Loss: 0.33944788575172424  
Epoch: 9473, Train Loss: 0.3395026624202728  
Epoch: 9474, Train Loss: 0.3377601206302643  
Epoch: 9475, Train Loss: 0.33519247174263  
Epoch: 9476, Train Loss: 0.34177350997924805  
Epoch: 9477, Train Loss: 0.33585983514785767  
Epoch: 9478, Train Loss: 0.3373613953590393  
Epoch: 9479, Train Loss: 0.3427829146385193  
Epoch: 9480, Train Loss: 0.3373914659023285  
Epoch: 9481, Train Loss: 0.34076058864593506  
Epoch: 9482, Train Loss: 0.3394128382205963  
Epoch: 9483, Train Loss: 0.3402976393699646  
Epoch: 9484, Train Loss: 0.3375847339630127  
Epoch: 9485, Train Loss: 0.33763569593429565  
Epoch: 9486, Train Loss: 0.3396178185939789  
Epoch: 9487, Train Loss: 0.3409906029701233  
Epoch: 9488, Train Loss: 0.33755195140838623  
Epoch: 9489, Train Loss: 0.33870092034339905  
Epoch: 9490, Train Loss: 0.33499985933303833  
Epoch: 9491, Train Loss: 0.3399271070957184  
Epoch: 9492, Train Loss: 0.3410397171974182  
Epoch: 9493, Train Loss: 0.341866672039032  
Epoch: 9494, Train Loss: 0.3390446603298187  
Epoch: 9495, Train Loss: 0.338579386472702  
Epoch: 9496, Train Loss: 0.33969247341156006  
Epoch: 9497, Train Loss: 0.34220069646835327  
Epoch: 9498, Train Loss: 0.3403571844100952  
Epoch: 9499, Train Loss: 0.33661070466041565  
Epoch: 9500, Train Loss: 0.33567333221435547  
Epoch: 9501, Train Loss: 0.33769357204437256  
Epoch: 9502, Train Loss: 0.3391261696815491  
Epoch: 9503, Train Loss: 0.33697840571403503  
Epoch: 9504, Train Loss: 0.33976298570632935  
Epoch: 9505, Train Loss: 0.34054115414619446  
Epoch: 9506, Train Loss: 0.33872097730636597  
Epoch: 9507, Train Loss: 0.3419134318828583  
Epoch: 9508, Train Loss: 0.33907726407051086  
Epoch: 9509, Train Loss: 0.3413662314414978  
Epoch: 9510, Train Loss: 0.33502131700515747  
Epoch: 9511, Train Loss: 0.3374524712562561  
Epoch: 9512, Train Loss: 0.34155210852622986  
Epoch: 9513, Train Loss: 0.33650630712509155

Epoch: 9514, Train Loss: 0.33717015385627747  
Epoch: 9515, Train Loss: 0.34244024753570557  
Epoch: 9516, Train Loss: 0.3420024514198303  
Epoch: 9517, Train Loss: 0.33904504776000977  
Epoch: 9518, Train Loss: 0.33710023760795593  
Epoch: 9519, Train Loss: 0.3411990702152252  
Epoch: 9520, Train Loss: 0.33709225058555603  
Epoch: 9521, Train Loss: 0.3362419009208679  
Epoch: 9522, Train Loss: 0.33799314498901367  
Epoch: 9523, Train Loss: 0.3388858437538147  
Epoch: 9524, Train Loss: 0.3373008966445923  
Epoch: 9525, Train Loss: 0.3408299684524536  
Epoch: 9526, Train Loss: 0.34054306149482727  
Epoch: 9527, Train Loss: 0.3348427414894104  
Epoch: 9528, Train Loss: 0.3412376940250397  
Epoch: 9529, Train Loss: 0.3383105397224426  
Epoch: 9530, Train Loss: 0.34127527475357056  
Epoch: 9531, Train Loss: 0.3409600555896759  
Epoch: 9532, Train Loss: 0.33969780802726746  
Epoch: 9533, Train Loss: 0.3405138850212097  
Epoch: 9534, Train Loss: 0.33862924575805664  
Epoch: 9535, Train Loss: 0.33430612087249756  
Epoch: 9536, Train Loss: 0.3354249596595764  
Epoch: 9537, Train Loss: 0.3388410210609436  
Epoch: 9538, Train Loss: 0.34063562750816345  
Epoch: 9539, Train Loss: 0.3356298804283142  
Epoch: 9540, Train Loss: 0.3415565490722656  
Epoch: 9541, Train Loss: 0.34111249446868896  
Epoch: 9542, Train Loss: 0.33788588643074036  
Epoch: 9543, Train Loss: 0.33688226342201233  
Epoch: 9544, Train Loss: 0.33996668457984924  
Epoch: 9545, Train Loss: 0.33323681354522705  
Epoch: 9546, Train Loss: 0.34135398268699646  
Epoch: 9547, Train Loss: 0.34042057394981384  
Epoch: 9548, Train Loss: 0.3394029140472412  
Epoch: 9549, Train Loss: 0.33694595098495483  
Epoch: 9550, Train Loss: 0.33794426918029785  
Epoch: 9551, Train Loss: 0.34009191393852234  
Epoch: 9552, Train Loss: 0.3375636041164398  
Epoch: 9553, Train Loss: 0.3404221534729004  
Epoch: 9554, Train Loss: 0.33421561121940613  
Epoch: 9555, Train Loss: 0.33955448865890503  
Epoch: 9556, Train Loss: 0.33659836649894714  
Epoch: 9557, Train Loss: 0.33773794770240784  
Epoch: 9558, Train Loss: 0.33984917402267456  
Epoch: 9559, Train Loss: 0.33804965019226074  
Epoch: 9560, Train Loss: 0.3435444235801697  
Epoch: 9561, Train Loss: 0.33559250831604004  
Epoch: 9562, Train Loss: 0.3383287489414215  
Epoch: 9563, Train Loss: 0.34174665808677673  
Epoch: 9564, Train Loss: 0.3378746509552002  
Epoch: 9565, Train Loss: 0.3432794511318207  
Epoch: 9566, Train Loss: 0.3394276201725006  
Epoch: 9567, Train Loss: 0.33589908480644226  
Epoch: 9568, Train Loss: 0.33554697036743164  
Epoch: 9569, Train Loss: 0.3379943370819092  
Epoch: 9570, Train Loss: 0.34160465002059937  
Epoch: 9571, Train Loss: 0.33522993326187134  
Epoch: 9572, Train Loss: 0.33883437514305115  
Epoch: 9573, Train Loss: 0.3400421440601349  
Epoch: 9574, Train Loss: 0.34013399481773376

Epoch: 9575, Train Loss: 0.3388112485408783  
Epoch: 9576, Train Loss: 0.3388574719429016  
Epoch: 9577, Train Loss: 0.33912530541419983  
Epoch: 9578, Train Loss: 0.34213942289352417  
Epoch: 9579, Train Loss: 0.33965665102005005  
Epoch: 9580, Train Loss: 0.339218407869339  
Epoch: 9581, Train Loss: 0.3384317457675934  
Epoch: 9582, Train Loss: 0.33743906021118164  
Epoch: 9583, Train Loss: 0.33742964267730713  
Epoch: 9584, Train Loss: 0.33918675780296326  
Epoch: 9585, Train Loss: 0.3382398784160614  
Epoch: 9586, Train Loss: 0.3406977653503418  
Epoch: 9587, Train Loss: 0.3357159495353699  
Epoch: 9588, Train Loss: 0.33717817068099976  
Epoch: 9589, Train Loss: 0.3333541452884674  
Epoch: 9590, Train Loss: 0.336299329996109  
Epoch: 9591, Train Loss: 0.345389187335968  
Epoch: 9592, Train Loss: 0.3359566628932953  
Epoch: 9593, Train Loss: 0.3407267928123474  
Epoch: 9594, Train Loss: 0.33846166729927063  
Epoch: 9595, Train Loss: 0.33908188343048096  
Epoch: 9596, Train Loss: 0.3369029760360718  
Epoch: 9597, Train Loss: 0.33636367321014404  
Epoch: 9598, Train Loss: 0.339958131313324  
Epoch: 9599, Train Loss: 0.33528220653533936  
Epoch: 9600, Train Loss: 0.33898136019706726  
Epoch: 9601, Train Loss: 0.33928316831588745  
Epoch: 9602, Train Loss: 0.3426307737827301  
Epoch: 9603, Train Loss: 0.33973428606987  
Epoch: 9604, Train Loss: 0.33909836411476135  
Epoch: 9605, Train Loss: 0.33700212836265564  
Epoch: 9606, Train Loss: 0.3371625244617462  
Epoch: 9607, Train Loss: 0.3387422263622284  
Epoch: 9608, Train Loss: 0.3380557894706726  
Epoch: 9609, Train Loss: 0.33862176537513733  
Epoch: 9610, Train Loss: 0.33745577931404114  
Epoch: 9611, Train Loss: 0.33740147948265076  
Epoch: 9612, Train Loss: 0.33823204040527344  
Epoch: 9613, Train Loss: 0.3361385762691498  
Epoch: 9614, Train Loss: 0.34158653020858765  
Epoch: 9615, Train Loss: 0.33707520365715027  
Epoch: 9616, Train Loss: 0.3406539559364319  
Epoch: 9617, Train Loss: 0.3384634852409363  
Epoch: 9618, Train Loss: 0.3368821442127228  
Epoch: 9619, Train Loss: 0.34009432792663574  
Epoch: 9620, Train Loss: 0.34103116393089294  
Epoch: 9621, Train Loss: 0.34637460112571716  
Epoch: 9622, Train Loss: 0.3352593779563904  
Epoch: 9623, Train Loss: 0.3350531756877899  
Epoch: 9624, Train Loss: 0.3355366587638855  
Epoch: 9625, Train Loss: 0.33675068616867065  
Epoch: 9626, Train Loss: 0.33976516127586365  
Epoch: 9627, Train Loss: 0.33996230363845825  
Epoch: 9628, Train Loss: 0.3375665247440338  
Epoch: 9629, Train Loss: 0.34127432107925415  
Epoch: 9630, Train Loss: 0.33723387122154236  
Epoch: 9631, Train Loss: 0.3391106426715851  
Epoch: 9632, Train Loss: 0.340063214302063  
Epoch: 9633, Train Loss: 0.3387773633003235  
Epoch: 9634, Train Loss: 0.3431870937347412  
Epoch: 9635, Train Loss: 0.3382906913757324

Epoch: 9636, Train Loss: 0.3397834897041321  
Epoch: 9637, Train Loss: 0.33336788415908813  
Epoch: 9638, Train Loss: 0.3399161994457245  
Epoch: 9639, Train Loss: 0.33869031071662903  
Epoch: 9640, Train Loss: 0.33920249342918396  
Epoch: 9641, Train Loss: 0.3350818157196045  
Epoch: 9642, Train Loss: 0.33939704298973083  
Epoch: 9643, Train Loss: 0.3403332531452179  
Epoch: 9644, Train Loss: 0.34167128801345825  
Epoch: 9645, Train Loss: 0.3375198245048523  
Epoch: 9646, Train Loss: 0.3411577343940735  
Epoch: 9647, Train Loss: 0.34129494428634644  
Epoch: 9648, Train Loss: 0.3390975892543793  
Epoch: 9649, Train Loss: 0.339751660823822  
Epoch: 9650, Train Loss: 0.3422197997570038  
Epoch: 9651, Train Loss: 0.3399193286895752  
Epoch: 9652, Train Loss: 0.3347594141960144  
Epoch: 9653, Train Loss: 0.33738982677459717  
Epoch: 9654, Train Loss: 0.3395288586616516  
Epoch: 9655, Train Loss: 0.3377504348754883  
Epoch: 9656, Train Loss: 0.3395189344882965  
Epoch: 9657, Train Loss: 0.3378327786922455  
Epoch: 9658, Train Loss: 0.33788761496543884  
Epoch: 9659, Train Loss: 0.33845600485801697  
Epoch: 9660, Train Loss: 0.3394206166267395  
Epoch: 9661, Train Loss: 0.34059780836105347  
Epoch: 9662, Train Loss: 0.34060603380203247  
Epoch: 9663, Train Loss: 0.33992326259613037  
Epoch: 9664, Train Loss: 0.3367682993412018  
Epoch: 9665, Train Loss: 0.3393198847770691  
Epoch: 9666, Train Loss: 0.33941298723220825  
Epoch: 9667, Train Loss: 0.3385862410068512  
Epoch: 9668, Train Loss: 0.3367365896701813  
Epoch: 9669, Train Loss: 0.33681434392929077  
Epoch: 9670, Train Loss: 0.3386835753917694  
Epoch: 9671, Train Loss: 0.341561883687973  
Epoch: 9672, Train Loss: 0.336921364068985  
Epoch: 9673, Train Loss: 0.3360435962677002  
Epoch: 9674, Train Loss: 0.33837950229644775  
Epoch: 9675, Train Loss: 0.3387041687965393  
Epoch: 9676, Train Loss: 0.33924517035484314  
Epoch: 9677, Train Loss: 0.33472079038619995  
Epoch: 9678, Train Loss: 0.33495134115219116  
Epoch: 9679, Train Loss: 0.3342897891998291  
Epoch: 9680, Train Loss: 0.33902883529663086  
Epoch: 9681, Train Loss: 0.3348858058452606  
Epoch: 9682, Train Loss: 0.3400045335292816  
Epoch: 9683, Train Loss: 0.336215615272522  
Epoch: 9684, Train Loss: 0.3387724459171295  
Epoch: 9685, Train Loss: 0.3367461562156677  
Epoch: 9686, Train Loss: 0.3437766134738922  
Epoch: 9687, Train Loss: 0.33924081921577454  
Epoch: 9688, Train Loss: 0.33608192205429077  
Epoch: 9689, Train Loss: 0.3398417830467224  
Epoch: 9690, Train Loss: 0.33806365728378296  
Epoch: 9691, Train Loss: 0.3397950232028961  
Epoch: 9692, Train Loss: 0.3353864252567291  
Epoch: 9693, Train Loss: 0.33533212542533875  
Epoch: 9694, Train Loss: 0.33680009841918945  
Epoch: 9695, Train Loss: 0.33804023265838623  
Epoch: 9696, Train Loss: 0.34006354212760925

Epoch: 9697, Train Loss: 0.3368300795555115  
Epoch: 9698, Train Loss: 0.3381994962692261  
Epoch: 9699, Train Loss: 0.34173583984375  
Epoch: 9700, Train Loss: 0.3393441438674927  
Epoch: 9701, Train Loss: 0.3346986472606659  
Epoch: 9702, Train Loss: 0.3391343951225281  
Epoch: 9703, Train Loss: 0.3370855450630188  
Epoch: 9704, Train Loss: 0.3398268520832062  
Epoch: 9705, Train Loss: 0.33741283416748047  
Epoch: 9706, Train Loss: 0.33752337098121643  
Epoch: 9707, Train Loss: 0.3428521752357483  
Epoch: 9708, Train Loss: 0.3349376320838928  
Epoch: 9709, Train Loss: 0.34013158082962036  
Epoch: 9710, Train Loss: 0.3373682498931885  
Epoch: 9711, Train Loss: 0.3413237929344177  
Epoch: 9712, Train Loss: 0.3351963758468628  
Epoch: 9713, Train Loss: 0.3379884362220764  
Epoch: 9714, Train Loss: 0.33856654167175293  
Epoch: 9715, Train Loss: 0.3363058269023895  
Epoch: 9716, Train Loss: 0.3381274342536926  
Epoch: 9717, Train Loss: 0.34233224391937256  
Epoch: 9718, Train Loss: 0.3371011018753052  
Epoch: 9719, Train Loss: 0.3374757170677185  
Epoch: 9720, Train Loss: 0.3387758135795593  
Epoch: 9721, Train Loss: 0.3392043709754944  
Epoch: 9722, Train Loss: 0.3398619294166565  
Epoch: 9723, Train Loss: 0.34402042627334595  
Epoch: 9724, Train Loss: 0.3402414321899414  
Epoch: 9725, Train Loss: 0.3394990861415863  
Epoch: 9726, Train Loss: 0.3371888995170593  
Epoch: 9727, Train Loss: 0.3410940170288086  
Epoch: 9728, Train Loss: 0.33825504779815674  
Epoch: 9729, Train Loss: 0.33688414096832275  
Epoch: 9730, Train Loss: 0.34017181396484375  
Epoch: 9731, Train Loss: 0.3415226340293884  
Epoch: 9732, Train Loss: 0.33891043066978455  
Epoch: 9733, Train Loss: 0.33639565110206604  
Epoch: 9734, Train Loss: 0.3360122740268707  
Epoch: 9735, Train Loss: 0.3384048044681549  
Epoch: 9736, Train Loss: 0.3370668888092041  
Epoch: 9737, Train Loss: 0.33461126685142517  
Epoch: 9738, Train Loss: 0.33801236748695374  
Epoch: 9739, Train Loss: 0.33457791805267334  
Epoch: 9740, Train Loss: 0.34041109681129456  
Epoch: 9741, Train Loss: 0.3384332060813904  
Epoch: 9742, Train Loss: 0.33707404136657715  
Epoch: 9743, Train Loss: 0.33821114897727966  
Epoch: 9744, Train Loss: 0.336261510848999  
Epoch: 9745, Train Loss: 0.33829548954963684  
Epoch: 9746, Train Loss: 0.3366982042789459  
Epoch: 9747, Train Loss: 0.3409160375595093  
Epoch: 9748, Train Loss: 0.33746519684791565  
Epoch: 9749, Train Loss: 0.3388503909111023  
Epoch: 9750, Train Loss: 0.34151750802993774  
Epoch: 9751, Train Loss: 0.3396863639354706  
Epoch: 9752, Train Loss: 0.33896154165267944  
Epoch: 9753, Train Loss: 0.33582940697669983  
Epoch: 9754, Train Loss: 0.3353838622570038  
Epoch: 9755, Train Loss: 0.33723488450050354  
Epoch: 9756, Train Loss: 0.3367933928966522  
Epoch: 9757, Train Loss: 0.3365861475467682

Epoch: 9758, Train Loss: 0.3349626958370209  
Epoch: 9759, Train Loss: 0.3354371190071106  
Epoch: 9760, Train Loss: 0.33749812841415405  
Epoch: 9761, Train Loss: 0.3367295563220978  
Epoch: 9762, Train Loss: 0.34046417474746704  
Epoch: 9763, Train Loss: 0.34134191274642944  
Epoch: 9764, Train Loss: 0.33940228819847107  
Epoch: 9765, Train Loss: 0.33508366346359253  
Epoch: 9766, Train Loss: 0.3381810784339905  
Epoch: 9767, Train Loss: 0.33824020624160767  
Epoch: 9768, Train Loss: 0.3408501148223877  
Epoch: 9769, Train Loss: 0.33930540084838867  
Epoch: 9770, Train Loss: 0.3363063335418701  
Epoch: 9771, Train Loss: 0.3361265957355499  
Epoch: 9772, Train Loss: 0.3387834131717682  
Epoch: 9773, Train Loss: 0.33661240339279175  
Epoch: 9774, Train Loss: 0.33894747495651245  
Epoch: 9775, Train Loss: 0.3369975686073303  
Epoch: 9776, Train Loss: 0.33688846230506897  
Epoch: 9777, Train Loss: 0.33643004298210144  
Epoch: 9778, Train Loss: 0.33919915556907654  
Epoch: 9779, Train Loss: 0.3409830927848816  
Epoch: 9780, Train Loss: 0.3387966752052307  
Epoch: 9781, Train Loss: 0.3393779993057251  
Epoch: 9782, Train Loss: 0.3388150930404663  
Epoch: 9783, Train Loss: 0.33817940950393677  
Epoch: 9784, Train Loss: 0.3349350392818451  
Epoch: 9785, Train Loss: 0.33880311250686646  
Epoch: 9786, Train Loss: 0.342651903629303  
Epoch: 9787, Train Loss: 0.3368786871433258  
Epoch: 9788, Train Loss: 0.33901792764663696  
Epoch: 9789, Train Loss: 0.3377162516117096  
Epoch: 9790, Train Loss: 0.33893364667892456  
Epoch: 9791, Train Loss: 0.3327345848083496  
Epoch: 9792, Train Loss: 0.3355192244052887  
Epoch: 9793, Train Loss: 0.33830931782722473  
Epoch: 9794, Train Loss: 0.3386073410511017  
Epoch: 9795, Train Loss: 0.3388727605342865  
Epoch: 9796, Train Loss: 0.3355572819709778  
Epoch: 9797, Train Loss: 0.3365482687950134  
Epoch: 9798, Train Loss: 0.3338600695133209  
Epoch: 9799, Train Loss: 0.33512261509895325  
Epoch: 9800, Train Loss: 0.3324967324733734  
Epoch: 9801, Train Loss: 0.34126192331314087  
Epoch: 9802, Train Loss: 0.33626866340637207  
Epoch: 9803, Train Loss: 0.33543428778648376  
Epoch: 9804, Train Loss: 0.33657556772232056  
Epoch: 9805, Train Loss: 0.3368017077445984  
Epoch: 9806, Train Loss: 0.33766964077949524  
Epoch: 9807, Train Loss: 0.3361472487449646  
Epoch: 9808, Train Loss: 0.3399256467819214  
Epoch: 9809, Train Loss: 0.338050901889801  
Epoch: 9810, Train Loss: 0.33867746591567993  
Epoch: 9811, Train Loss: 0.3365476727485657  
Epoch: 9812, Train Loss: 0.33727511763572693  
Epoch: 9813, Train Loss: 0.3368834853172302  
Epoch: 9814, Train Loss: 0.3380488455295563  
Epoch: 9815, Train Loss: 0.3393513560295105  
Epoch: 9816, Train Loss: 0.3373064696788788  
Epoch: 9817, Train Loss: 0.33702945709228516  
Epoch: 9818, Train Loss: 0.3348093628883362



Epoch: 9819, Train Loss: 0.33310049772262573  
Epoch: 9820, Train Loss: 0.3371284008026123  
Epoch: 9821, Train Loss: 0.33502382040023804  
Epoch: 9822, Train Loss: 0.3375677466392517  
Epoch: 9823, Train Loss: 0.33898282051086426  
Epoch: 9824, Train Loss: 0.337138831615448  
Epoch: 9825, Train Loss: 0.334407776594162  
Epoch: 9826, Train Loss: 0.33679747581481934  
Epoch: 9827, Train Loss: 0.3362594246864319  
Epoch: 9828, Train Loss: 0.33423104882240295  
Epoch: 9829, Train Loss: 0.33942753076553345  
Epoch: 9830, Train Loss: 0.34300583600997925  
Epoch: 9831, Train Loss: 0.3341318368911743  
Epoch: 9832, Train Loss: 0.3404391407966614  
Epoch: 9833, Train Loss: 0.33869972825050354  
Epoch: 9834, Train Loss: 0.3364942669868469  
Epoch: 9835, Train Loss: 0.3384084701538086  
Epoch: 9836, Train Loss: 0.33918240666389465  
Epoch: 9837, Train Loss: 0.3353385627269745  
Epoch: 9838, Train Loss: 0.3388248085975647  
Epoch: 9839, Train Loss: 0.34019896388053894  
Epoch: 9840, Train Loss: 0.3395134508609772  
Epoch: 9841, Train Loss: 0.3360302150249481  
Epoch: 9842, Train Loss: 0.33784377574920654  
Epoch: 9843, Train Loss: 0.33477547764778137  
Epoch: 9844, Train Loss: 0.3413383960723877  
Epoch: 9845, Train Loss: 0.3391870856285095  
Epoch: 9846, Train Loss: 0.3376150131225586  
Epoch: 9847, Train Loss: 0.33853790163993835  
Epoch: 9848, Train Loss: 0.33892232179641724  
Epoch: 9849, Train Loss: 0.33722010254859924  
Epoch: 9850, Train Loss: 0.33711403608322144  
Epoch: 9851, Train Loss: 0.3360403776168823  
Epoch: 9852, Train Loss: 0.33531302213668823  
Epoch: 9853, Train Loss: 0.3393641710281372  
Epoch: 9854, Train Loss: 0.3360702693462372  
Epoch: 9855, Train Loss: 0.3380613327026367  
Epoch: 9856, Train Loss: 0.3379907011985779  
Epoch: 9857, Train Loss: 0.3352888226509094  
Epoch: 9858, Train Loss: 0.33621397614479065  
Epoch: 9859, Train Loss: 0.3370884954929352  
Epoch: 9860, Train Loss: 0.33923232555389404  
Epoch: 9861, Train Loss: 0.3413017988204956  
Epoch: 9862, Train Loss: 0.3362687826156616  
Epoch: 9863, Train Loss: 0.33497029542922974  
Epoch: 9864, Train Loss: 0.33904799818992615  
Epoch: 9865, Train Loss: 0.33451220393180847  
Epoch: 9866, Train Loss: 0.3328689932823181  
Epoch: 9867, Train Loss: 0.3370136022567749  
Epoch: 9868, Train Loss: 0.3353477120399475  
Epoch: 9869, Train Loss: 0.33492615818977356  
Epoch: 9870, Train Loss: 0.3372179865837097  
Epoch: 9871, Train Loss: 0.3400927186012268  
Epoch: 9872, Train Loss: 0.3393131196498871  
Epoch: 9873, Train Loss: 0.33884066343307495  
Epoch: 9874, Train Loss: 0.3411504328250885  
Epoch: 9875, Train Loss: 0.3370995819568634  
Epoch: 9876, Train Loss: 0.33641886711120605  
Epoch: 9877, Train Loss: 0.3367682695388794  
Epoch: 9878, Train Loss: 0.3391186594963074  
Epoch: 9879, Train Loss: 0.34087222814559937

Epoch: 9880, Train Loss: 0.3398370146751404  
Epoch: 9881, Train Loss: 0.33886033296585083  
Epoch: 9882, Train Loss: 0.33613237738609314  
Epoch: 9883, Train Loss: 0.3343459963798523  
Epoch: 9884, Train Loss: 0.33538833260536194  
Epoch: 9885, Train Loss: 0.3389959931373596  
Epoch: 9886, Train Loss: 0.33361294865608215  
Epoch: 9887, Train Loss: 0.3346433937549591  
Epoch: 9888, Train Loss: 0.33846381306648254  
Epoch: 9889, Train Loss: 0.33400389552116394  
Epoch: 9890, Train Loss: 0.3376942574977875  
Epoch: 9891, Train Loss: 0.3351854681968689  
Epoch: 9892, Train Loss: 0.33869075775146484  
Epoch: 9893, Train Loss: 0.3349604308605194  
Epoch: 9894, Train Loss: 0.3396161198616028  
Epoch: 9895, Train Loss: 0.33484023809432983  
Epoch: 9896, Train Loss: 0.33731141686439514  
Epoch: 9897, Train Loss: 0.33619198203086853  
Epoch: 9898, Train Loss: 0.33901047706604004  
Epoch: 9899, Train Loss: 0.3386642038822174  
Epoch: 9900, Train Loss: 0.3379817605018616  
Epoch: 9901, Train Loss: 0.33791160583496094  
Epoch: 9902, Train Loss: 0.33645540475845337  
Epoch: 9903, Train Loss: 0.3333314061164856  
Epoch: 9904, Train Loss: 0.3387005627155304  
Epoch: 9905, Train Loss: 0.3371848464012146  
Epoch: 9906, Train Loss: 0.33751943707466125  
Epoch: 9907, Train Loss: 0.3401036560535431  
Epoch: 9908, Train Loss: 0.3358965218067169  
Epoch: 9909, Train Loss: 0.33610799908638  
Epoch: 9910, Train Loss: 0.34013625979423523  
Epoch: 9911, Train Loss: 0.3368738293647766  
Epoch: 9912, Train Loss: 0.33375149965286255  
Epoch: 9913, Train Loss: 0.3402458131313324  
Epoch: 9914, Train Loss: 0.340080201625824  
Epoch: 9915, Train Loss: 0.33715003728866577  
Epoch: 9916, Train Loss: 0.3380791246891022  
Epoch: 9917, Train Loss: 0.3348979949951172  
Epoch: 9918, Train Loss: 0.33764904737472534  
Epoch: 9919, Train Loss: 0.33608755469322205  
Epoch: 9920, Train Loss: 0.3357410430908203  
Epoch: 9921, Train Loss: 0.33559298515319824  
Epoch: 9922, Train Loss: 0.33756154775619507  
Epoch: 9923, Train Loss: 0.340076744556427  
Epoch: 9924, Train Loss: 0.33707863092422485  
Epoch: 9925, Train Loss: 0.33667951822280884  
Epoch: 9926, Train Loss: 0.3395858705043793  
Epoch: 9927, Train Loss: 0.33671408891677856  
Epoch: 9928, Train Loss: 0.3375985622406006  
Epoch: 9929, Train Loss: 0.3356170356273651  
Epoch: 9930, Train Loss: 0.3369101881980896  
Epoch: 9931, Train Loss: 0.33611059188842773  
Epoch: 9932, Train Loss: 0.33514755964279175  
Epoch: 9933, Train Loss: 0.3374738097190857  
Epoch: 9934, Train Loss: 0.3363407254219055  
Epoch: 9935, Train Loss: 0.33415335416793823  
Epoch: 9936, Train Loss: 0.3404780626296997  
Epoch: 9937, Train Loss: 0.33848634362220764  
Epoch: 9938, Train Loss: 0.33893340826034546  
Epoch: 9939, Train Loss: 0.33345654606819153  
Epoch: 9940, Train Loss: 0.33671489357948303

Epoch: 9941, Train Loss: 0.3358585238456726  
Epoch: 9942, Train Loss: 0.335342139005661  
Epoch: 9943, Train Loss: 0.3375236988067627  
Epoch: 9944, Train Loss: 0.3375605642795563  
Epoch: 9945, Train Loss: 0.33455851674079895  
Epoch: 9946, Train Loss: 0.3369824290275574  
Epoch: 9947, Train Loss: 0.3342335820198059  
Epoch: 9948, Train Loss: 0.34026744961738586  
Epoch: 9949, Train Loss: 0.33311834931373596  
Epoch: 9950, Train Loss: 0.33853086829185486  
Epoch: 9951, Train Loss: 0.33692872524261475  
Epoch: 9952, Train Loss: 0.3398715853691101  
Epoch: 9953, Train Loss: 0.338377982378006  
Epoch: 9954, Train Loss: 0.3370014429092407  
Epoch: 9955, Train Loss: 0.3411494195461273  
Epoch: 9956, Train Loss: 0.3374077081680298  
Epoch: 9957, Train Loss: 0.3383331894874573  
Epoch: 9958, Train Loss: 0.3343987464904785  
Epoch: 9959, Train Loss: 0.33737054467201233  
Epoch: 9960, Train Loss: 0.33708497881889343  
Epoch: 9961, Train Loss: 0.33773112297058105  
Epoch: 9962, Train Loss: 0.33725690841674805  
Epoch: 9963, Train Loss: 0.3368512988090515  
Epoch: 9964, Train Loss: 0.3370031714439392  
Epoch: 9965, Train Loss: 0.3344518542289734  
Epoch: 9966, Train Loss: 0.3361026346683502  
Epoch: 9967, Train Loss: 0.33375877141952515  
Epoch: 9968, Train Loss: 0.33743390440940857  
Epoch: 9969, Train Loss: 0.3419288694858551  
Epoch: 9970, Train Loss: 0.33602505922317505  
Epoch: 9971, Train Loss: 0.33597567677497864  
Epoch: 9972, Train Loss: 0.33798983693122864  
Epoch: 9973, Train Loss: 0.3353049159049988  
Epoch: 9974, Train Loss: 0.3392198383808136  
Epoch: 9975, Train Loss: 0.3367246389389038  
Epoch: 9976, Train Loss: 0.33203181624412537  
Epoch: 9977, Train Loss: 0.3390793800354004  
Epoch: 9978, Train Loss: 0.3359059691429138  
Epoch: 9979, Train Loss: 0.33217939734458923  
Epoch: 9980, Train Loss: 0.337362676858902  
Epoch: 9981, Train Loss: 0.3312456011772156  
Epoch: 9982, Train Loss: 0.33374762535095215  
Epoch: 9983, Train Loss: 0.33488085865974426  
Epoch: 9984, Train Loss: 0.33733248710632324  
Epoch: 9985, Train Loss: 0.3387279808521271  
Epoch: 9986, Train Loss: 0.3371482491493225  
Epoch: 9987, Train Loss: 0.33514204621315  
Epoch: 9988, Train Loss: 0.3359983563423157  
Epoch: 9989, Train Loss: 0.3366255760192871  
Epoch: 9990, Train Loss: 0.3354620933532715  
Epoch: 9991, Train Loss: 0.3376229703426361  
Epoch: 9992, Train Loss: 0.33516156673431396  
Epoch: 9993, Train Loss: 0.3341641128063202  
Epoch: 9994, Train Loss: 0.33389633893966675  
Epoch: 9995, Train Loss: 0.3362847566604614  
Epoch: 9996, Train Loss: 0.3314860463142395  
Epoch: 9997, Train Loss: 0.33396491408348083  
Epoch: 9998, Train Loss: 0.33335384726524353  
Epoch: 9999, Train Loss: 0.3421856760978699  
Epoch: 10000, Train Loss: 0.3331410586833954

In [44]:

```
# sample code to check the accuracy of our test dataset
acc=0
total=0
for i, data in enumerate(valid_data_loader):
    x, target = data
    x = x.type(torch.FloatTensor)
    y = model(x)
    target = target.reshape(-1, 1)
    target = target.type(torch.FloatTensor)
    real_y = (y>=0.5).float()
    acc += (real_y == target).float().sum()
    total += target.shape[0]
print(f'Mean Accuracy of validation: {(acc/total).item()}')
```

Mean Accuracy of validation: 0.6679104566574097

In [ ]:

```
!apt-get install texlive texlive-xetex texlive-latex-extra pandoc  
!pip install pypandoc  
from google.colab import drive  
drive.mount('/content/drive')
```

Reading package lists... Done  
 Building dependency tree  
 Reading state information... Done  
 pandoc is already the newest version (1.19.2.4~dfsg-1build4).  
 pandoc set to manually installed.  
 The following package was automatically installed and is no longer required:

libnvidia-common-460

Use 'apt autoremove' to remove it.

The following additional packages will be installed:

fonts-droid-fallback fonts-lato fonts-lmodern fonts-noto-mono fonts-texgyre  
 javascript-common libcupsfilters1 libcupsimage2 libgs9 libgs9-common  
 libijs-0.35 libjbig2dec0 libjs-jquery libkpathsea6 libpotrace0 libptexenc1  
 libruby2.5 libsyntaxtex1 libtexlua52 libtexlua52 libzzip-0-13 lmodern  
 poppler-data preview-latex-style rake ruby ruby-did-you-mean ruby-minitest  
 ruby-net-telnet ruby-power-assert ruby-test-unit ruby2.5  
 rubygems-integration t1utils tex-common tex-gyre texlive-base  
 texlive-binaries texlive-fonts-recommended texlive-latex-base  
 texlive-latex-recommended texlive-pictures texlive-plain-generic tipa

Suggested packages:

fonts-noto apache2 | lighttpd | httpd poppler-utils ghostscript  
 fonts-japanese-mincho | fonts-ipafont-mincho fonts-japanese-gothic  
 | fonts-ipafont-gothic fonts-arphic-ukai fonts-arphic-uming fonts-nanum ri  
 ruby-dev bundler debhelper gv | postscript-viewer perl-tk xpdf-reader  
 | pdf-viewer texlive-fonts-recommended-doc texlive-latex-base-doc  
 python-pygments icc-profiles libfile-which-perl  
 libspreadsheet-parseexcel-perl texlive-latex-extra-doc  
 texlive-latex-recommended-doc texlive-pstricks dot2tex prerex ruby-tcltk  
 | libtcltk-ruby texlive-pictures-doc vprerex

The following NEW packages will be installed:

fonts-droid-fallback fonts-lato fonts-lmodern fonts-noto-mono fonts-texgyre  
 javascript-common libcupsfilters1 libcupsimage2 libgs9 libgs9-common  
 libijs-0.35 libjbig2dec0 libjs-jquery libkpathsea6 libpotrace0 libptexenc1  
 libruby2.5 libsyntaxtex1 libtexlua52 libtexlua52 libzzip-0-13 lmodern  
 poppler-data preview-latex-style rake ruby ruby-did-you-mean ruby-minitest  
 ruby-net-telnet ruby-power-assert ruby-test-unit ruby2.5  
 rubygems-integration t1utils tex-common tex-gyre texlive texlive-base  
 texlive-binaries texlive-fonts-recommended texlive-latex-base  
 texlive-latex-extra texlive-latex-recommended texlive-pictures  
 texlive-plain-generic texlive-xetex tipa

0 upgraded, 47 newly installed, 0 to remove and 20 not upgraded.

Need to get 146 MB of archives.

After this operation, 460 MB of additional disk space will be used.

Get:1 <http://archive.ubuntu.com/ubuntu> bionic/main amd64 fonts-droid-fallback all 1:6.0.1r16-1.1 [1,805 kB]

Get:2 <http://archive.ubuntu.com/ubuntu> bionic/main amd64 fonts-lato all 2.0-2 [2,698 kB]

Get:3 <http://archive.ubuntu.com/ubuntu> bionic/main amd64 poppler-data all 0.4.8-2 [1,479 kB]

Get:4 <http://archive.ubuntu.com/ubuntu> bionic/main amd64 tex-common all 6.09 [33.0 kB]

Get:5 <http://archive.ubuntu.com/ubuntu> bionic/main amd64 fonts-lmodern all 2.004.5-3 [4,551 kB]

Get:6 <http://archive.ubuntu.com/ubuntu> bionic/main amd64 fonts-noto-mono all 20171026-2 [75.5 kB]

Get:7 <http://archive.ubuntu.com/ubuntu> bionic/universe amd64 fonts-texgyre all 20160520-1 [8,761 kB]

Get:8 <http://archive.ubuntu.com/ubuntu> bionic/main amd64 javascript-common all 11 [6,066 B]

Get:9 <http://archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libcupsfilters1 amd64 1.20.2-0ubuntu3.1 [108 kB]

Get:10 <http://archive.ubuntu.com/ubuntu> bionic-updates/main amd64 libcupsimage2 am

d64 2.2.7-1ubuntu2.9 [18.6 kB]  
Get:11 http://archive.ubuntu.com/ubuntu bionic/main amd64 libijs-0.35 amd64 0.35-13 [15.5 kB]  
Get:12 http://archive.ubuntu.com/ubuntu bionic/main amd64 libjbig2dec0 amd64 0.13-6 [55.9 kB]  
Get:13 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libgs9-common all 9.26~dfsg+0-0ubuntu0.18.04.16 [5,093 kB]  
Get:14 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libgs9 amd64 9.26~dfsg+0-0ubuntu0.18.04.16 [2,265 kB]  
Get:15 http://archive.ubuntu.com/ubuntu bionic/main amd64 libjs-jquery all 3.2.1-1 [152 kB]  
Get:16 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libkpathsea6 amd64 2017.20170613.44572-8ubuntu0.1 [54.9 kB]  
Get:17 http://archive.ubuntu.com/ubuntu bionic/main amd64 libpotrace0 amd64 1.14-2 [17.4 kB]  
Get:18 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libptexenc1 amd64 2017.20170613.44572-8ubuntu0.1 [34.5 kB]  
Get:19 http://archive.ubuntu.com/ubuntu bionic/main amd64 rubygems-integration all 1.11 [4,994 B]  
Get:20 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 ruby2.5 amd64 2.5.1-1ubuntu1.12 [48.6 kB]  
Get:21 http://archive.ubuntu.com/ubuntu bionic/main amd64 ruby amd64 1:2.5.1 [5,712 B]  
Get:22 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 rake all 12.3.1-1ubuntu0.1 [44.9 kB]  
Get:23 http://archive.ubuntu.com/ubuntu bionic/main amd64 ruby-did-you-mean all 1.2.0-2 [9,700 B]  
Get:24 http://archive.ubuntu.com/ubuntu bionic/main amd64 ruby-minitest all 5.10.3-1 [38.6 kB]  
Get:25 http://archive.ubuntu.com/ubuntu bionic/main amd64 ruby-net-telnet all 0.1.1-2 [12.6 kB]  
Get:26 http://archive.ubuntu.com/ubuntu bionic/main amd64 ruby-power-assert all 0.3.0-1 [7,952 B]  
Get:27 http://archive.ubuntu.com/ubuntu bionic/main amd64 ruby-test-unit all 3.2.5-1 [61.1 kB]  
Get:28 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libruby2.5 amd64 2.5.1-1ubuntu1.12 [3,073 kB]  
Get:29 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libsyntaxtex1 amd64 2017.20170613.44572-8ubuntu0.1 [41.4 kB]  
Get:30 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libtexlua52 amd64 2017.20170613.44572-8ubuntu0.1 [91.2 kB]  
Get:31 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libtexluajit2 amd64 2017.20170613.44572-8ubuntu0.1 [230 kB]  
Get:32 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libzip-0-13 amd64 0.13.62-3.1ubuntu0.18.04.1 [26.0 kB]  
Get:33 http://archive.ubuntu.com/ubuntu bionic/main amd64 lmodern all 2.004.5-3 [9,631 kB]  
Get:34 http://archive.ubuntu.com/ubuntu bionic/main amd64 preview-latex-style all 11.91-1ubuntu1 [185 kB]  
Get:35 http://archive.ubuntu.com/ubuntu bionic/main amd64 t1utils amd64 1.41-2 [56.0 kB]  
Get:36 http://archive.ubuntu.com/ubuntu bionic/universe amd64 tex-gyre all 20160520-1 [4,998 kB]  
Get:37 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 texlive-binaries amd64 2017.20170613.44572-8ubuntu0.1 [8,179 kB]  
Get:38 http://archive.ubuntu.com/ubuntu bionic/main amd64 texlive-base all 2017.20180305-1 [18.7 MB]  
Get:39 http://archive.ubuntu.com/ubuntu bionic/universe amd64 texlive-fonts-recommended all 2017.20180305-1 [5,262 kB]  
Get:40 http://archive.ubuntu.com/ubuntu bionic/main amd64 texlive-latex-base all 2017.20180305-1 [951 kB]

```
Get:41 http://archive.ubuntu.com/ubuntu bionic/main amd64 texlive-latex-recommende
d all 2017.20180305-1 [14.9 MB]
Get:42 http://archive.ubuntu.com/ubuntu bionic/universe amd64 texlive all 2017.201
80305-1 [14.4 kB]
Get:43 http://archive.ubuntu.com/ubuntu bionic/universe amd64 texlive-pictures all
2017.20180305-1 [4,026 kB]
Get:44 http://archive.ubuntu.com/ubuntu bionic/universe amd64 texlive-latex-extra
all 2017.20180305-2 [10.6 MB]
Get:45 http://archive.ubuntu.com/ubuntu bionic/universe amd64 texlive-plain-generi
c all 2017.20180305-2 [23.6 MB]
Get:46 http://archive.ubuntu.com/ubuntu bionic/universe amd64 tipa all 2:1.3-20
[2,978 kB]
Get:47 http://archive.ubuntu.com/ubuntu bionic/universe amd64 texlive-xetex all 20
17.20180305-1 [10.7 MB]
Fetched 146 MB in 2s (95.1 MB/s)
Extracting templates from packages: 100%
Preconfiguring packages ...
Selecting previously unselected package fonts-droid-fallback.
(Reading database ... 155569 files and directories currently installed.)
Preparing to unpack .../00-fonts-droid-fallback_1%3a6.0.1r16-1.1_all.deb ...
Unpacking fonts-droid-fallback (1:6.0.1r16-1.1) ...
Selecting previously unselected package fonts-lato.
Preparing to unpack .../01-fonts-lato_2.0-2_all.deb ...
Unpacking fonts-lato (2.0-2) ...
Selecting previously unselected package poppler-data.
Preparing to unpack .../02-poppler-data_0.4.8-2_all.deb ...
Unpacking poppler-data (0.4.8-2) ...
Selecting previously unselected package tex-common.
Preparing to unpack .../03-tex-common_6.09_all.deb ...
Unpacking tex-common (6.09) ...
Selecting previously unselected package fonts-lmodern.
Preparing to unpack .../04-fonts-lmodern_2.004.5-3_all.deb ...
Unpacking fonts-lmodern (2.004.5-3) ...
Selecting previously unselected package fonts-noto-mono.
Preparing to unpack .../05-fonts-noto-mono_20171026-2_all.deb ...
Unpacking fonts-noto-mono (20171026-2) ...
Selecting previously unselected package fonts-texgyre.
Preparing to unpack .../06-fonts-texgyre_20160520-1_all.deb ...
Unpacking fonts-texgyre (20160520-1) ...
Selecting previously unselected package javascript-common.
Preparing to unpack .../07-javascript-common_11_all.deb ...
Unpacking javascript-common (11) ...
Selecting previously unselected package libcupsfilters1:amd64.
Preparing to unpack .../08-libcupsfilters1_1.20.2-0ubuntu3.1_amd64.deb ...
Unpacking libcupsfilters1:amd64 (1.20.2-0ubuntu3.1) ...
Selecting previously unselected package libcupsimage2:amd64.
Preparing to unpack .../09-libcupsimage2_2.2.7-1ubuntu2.9_amd64.deb ...
Unpacking libcupsimage2:amd64 (2.2.7-1ubuntu2.9) ...
Selecting previously unselected package libijs-0.35:amd64.
Preparing to unpack .../10-libijs-0.35_0.35-13_amd64.deb ...
Unpacking libijs-0.35:amd64 (0.35-13) ...
Selecting previously unselected package libjbig2dec0:amd64.
Preparing to unpack .../11-libjbig2dec0_0.13-6_amd64.deb ...
Unpacking libjbig2dec0:amd64 (0.13-6) ...
Selecting previously unselected package libgs9-common.
Preparing to unpack .../12-libgs9-common_9.26~dfsg+0-0ubuntu0.18.04.16_all.deb ...
Unpacking libgs9-common (9.26~dfsg+0-0ubuntu0.18.04.16) ...
Selecting previously unselected package libgs9:amd64.
Preparing to unpack .../13-libgs9_9.26~dfsg+0-0ubuntu0.18.04.16_amd64.deb ...
Unpacking libgs9:amd64 (9.26~dfsg+0-0ubuntu0.18.04.16) ...
Selecting previously unselected package libjs-jquery.
```



```
Preparing to unpack .../14-libjs-jquery_3.2.1-1_all.deb ...
Unpacking libjs-jquery (3.2.1-1) ...
Selecting previously unselected package libkpathsea6:amd64.
Preparing to unpack .../15-libkpathsea6_2017.20170613.44572-8ubuntu0.1_amd64.deb
...
Unpacking libkpathsea6:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Selecting previously unselected package libpotrace0.
Preparing to unpack .../16-libpotrace0_1.14-2_amd64.deb ...
Unpacking libpotrace0 (1.14-2) ...
Selecting previously unselected package libptexenc1:amd64.
Preparing to unpack .../17-libptexenc1_2017.20170613.44572-8ubuntu0.1_amd64.deb
...
Unpacking libptexenc1:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Selecting previously unselected package rubygems-integration.
Preparing to unpack .../18-rubygems-integration_1.11_all.deb ...
Unpacking rubygems-integration (1.11) ...
Selecting previously unselected package ruby2.5.
Preparing to unpack .../19-ruby2.5_2.5.1-1ubuntu1.12_amd64.deb ...
Unpacking ruby2.5 (2.5.1-1ubuntu1.12) ...
Selecting previously unselected package ruby.
Preparing to unpack .../20-ruby_1%3a2.5.1_amd64.deb ...
Unpacking ruby (1:2.5.1) ...
Selecting previously unselected package rake.
Preparing to unpack .../21-rake_12.3.1-1ubuntu0.1_all.deb ...
Unpacking rake (12.3.1-1ubuntu0.1) ...
Selecting previously unselected package ruby-did-you-mean.
Preparing to unpack .../22-ruby-did-you-mean_1.2.0-2_all.deb ...
Unpacking ruby-did-you-mean (1.2.0-2) ...
Selecting previously unselected package ruby-minitest.
Preparing to unpack .../23-ruby-minitest_5.10.3-1_all.deb ...
Unpacking ruby-minitest (5.10.3-1) ...
Selecting previously unselected package ruby-net-telnet.
Preparing to unpack .../24-ruby-net-telnet_0.1.1-2_all.deb ...
Unpacking ruby-net-telnet (0.1.1-2) ...
Selecting previously unselected package ruby-power-assert.
Preparing to unpack .../25-ruby-power-assert_0.3.0-1_all.deb ...
Unpacking ruby-power-assert (0.3.0-1) ...
Selecting previously unselected package ruby-test-unit.
Preparing to unpack .../26-ruby-test-unit_3.2.5-1_all.deb ...
Unpacking ruby-test-unit (3.2.5-1) ...
Selecting previously unselected package libruby2.5:amd64.
Preparing to unpack .../27-libruby2.5_2.5.1-1ubuntu1.12_amd64.deb ...
Unpacking libruby2.5:amd64 (2.5.1-1ubuntu1.12) ...
Selecting previously unselected package libsyntax1:amd64.
Preparing to unpack .../28-libsyntax1_2017.20170613.44572-8ubuntu0.1_amd64.deb
...
Unpacking libsyntax1:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Selecting previously unselected package libtexlua52:amd64.
Preparing to unpack .../29-libtexlua52_2017.20170613.44572-8ubuntu0.1_amd64.deb
...
Unpacking libtexlua52:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Selecting previously unselected package libtexluajit2:amd64.
Preparing to unpack .../30-libtexluajit2_2017.20170613.44572-8ubuntu0.1_amd64.deb
...
Unpacking libtexluajit2:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Selecting previously unselected package libzip-0-13:amd64.
Preparing to unpack .../31-libzip-0-13_0.13.62-3.1ubuntu0.18.04.1_amd64.deb ...
Unpacking libzip-0-13:amd64 (0.13.62-3.1ubuntu0.18.04.1) ...
Selecting previously unselected package lmodern.
Preparing to unpack .../32-lmodern_2.004.5-3_all.deb ...
Unpacking lmodern (2.004.5-3) ...
```

```
Selecting previously unselected package preview-latex-style.
Preparing to unpack .../33-preview-latex-style_11.91-1ubuntu1_all.deb ...
Unpacking preview-latex-style (11.91-1ubuntu1) ...
Selecting previously unselected package t1utils.
Preparing to unpack .../34-t1utils_1.41-2_amd64.deb ...
Unpacking t1utils (1.41-2) ...
Selecting previously unselected package tex-gyre.
Preparing to unpack .../35-tex-gyre_20160520-1_all.deb ...
Unpacking tex-gyre (20160520-1) ...
Selecting previously unselected package texlive-binaries.
Preparing to unpack .../36-texlive-binaries_2017.20170613.44572-8ubuntu0.1_amd64.d
eb ...
Unpacking texlive-binaries (2017.20170613.44572-8ubuntu0.1) ...
Selecting previously unselected package texlive-base.
Preparing to unpack .../37-texlive-base_2017.20180305-1_all.deb ...
Unpacking texlive-base (2017.20180305-1) ...
Selecting previously unselected package texlive-fonts-recommended.
Preparing to unpack .../38-texlive-fonts-recommended_2017.20180305-1_all.deb ...
Unpacking texlive-fonts-recommended (2017.20180305-1) ...
Selecting previously unselected package texlive-latex-base.
Preparing to unpack .../39-texlive-latex-base_2017.20180305-1_all.deb ...
Unpacking texlive-latex-base (2017.20180305-1) ...
Selecting previously unselected package texlive-latex-recommended.
Preparing to unpack .../40-texlive-latex-recommended_2017.20180305-1_all.deb ...
Unpacking texlive-latex-recommended (2017.20180305-1) ...
Selecting previously unselected package texlive.
Preparing to unpack .../41-texlive_2017.20180305-1_all.deb ...
Unpacking texlive (2017.20180305-1) ...
Selecting previously unselected package texlive-pictures.
Preparing to unpack .../42-texlive-pictures_2017.20180305-1_all.deb ...
Unpacking texlive-pictures (2017.20180305-1) ...
Selecting previously unselected package texlive-latex-extra.
Preparing to unpack .../43-texlive-latex-extra_2017.20180305-2_all.deb ...
Unpacking texlive-latex-extra (2017.20180305-2) ...
Selecting previously unselected package texlive-plain-generic.
Preparing to unpack .../44-texlive-plain-generic_2017.20180305-2_all.deb ...
Unpacking texlive-plain-generic (2017.20180305-2) ...
Selecting previously unselected package tipa.
Preparing to unpack .../45-tipa_2%3a1.3-20_all.deb ...
Unpacking tipa (2:1.3-20) ...
Selecting previously unselected package texlive-xetex.
Preparing to unpack .../46-texlive-xetex_2017.20180305-1_all.deb ...
Unpacking texlive-xetex (2017.20180305-1) ...
Setting up libgs9-common (9.26~dfsg+0-0ubuntu0.18.04.16) ...
Setting up libkpathsea6:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Setting up libjs-jquery (3.2.1-1) ...
Setting up libtexlua52:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Setting up fonts-droid-fallback (1:6.0.1r16-1.1) ...
Setting up libsynctex1:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Setting up libptexenc1:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Setting up tex-common (6.09) ...
update-language: texlive-base not installed and configured, doing nothing!
Setting up poppler-data (0.4.8-2) ...
Setting up tex-gyre (20160520-1) ...
Setting up preview-latex-style (11.91-1ubuntu1) ...
Setting up fonts-texgyre (20160520-1) ...
Setting up fonts-noto-mono (20171026-2) ...
Setting up fonts-lato (2.0-2) ...
Setting up libcupsfilters1:amd64 (1.20.2-0ubuntu3.1) ...
Setting up libcupsimage2:amd64 (2.2.7-1ubuntu2.9) ...
Setting up libjbig2dec0:amd64 (0.13-6) ...
```

```
Setting up ruby-did-you-mean (1.2.0-2) ...
Setting up tlutils (1.41-2) ...
Setting up ruby-net-telnet (0.1.1-2) ...
Setting up libijs-0.35:amd64 (0.35-13) ...
Setting up rubygems-integration (1.11) ...
Setting up libpotrace0 (1.14-2) ...
Setting up javascript-common (11) ...
Setting up ruby-minitest (5.10.3-1) ...
Setting up libzip-0-13:amd64 (0.13.62-3.1ubuntu0.18.04.1) ...
Setting up libgs9:amd64 (9.26~dfsg+0-0ubuntu0.18.04.16) ...
Setting up libtexluajit2:amd64 (2017.20170613.44572-8ubuntu0.1) ...
Setting up fonts-lmodern (2.004.5-3) ...
Setting up ruby-power-assert (0.3.0-1) ...
Setting up texlive-binaries (2017.20170613.44572-8ubuntu0.1) ...
update-alternatives: using /usr/bin/xdvi-xaw to provide /usr/bin/xdvi.bin (xdvi.bi
n) in auto mode
update-alternatives: using /usr/bin/bibtex.original to provide /usr/bin/bibtex (bi
btex) in auto mode
Setting up texlive-base (2017.20180305-1) ...
mktexlsr: Updating /var/lib/texmf/ls-R-TEXLIVEDIST...
mktexlsr: Updating /var/lib/texmf/ls-R-TEXMFMAIN...
mktexlsr: Updating /var/lib/texmf/ls-R...
mktexlsr: Done.
tl-paper: setting paper size for dvips to a4: /var/lib/texmf/dvips/config/config-p
aper.ps
tl-paper: setting paper size for dvipdfmx to a4: /var/lib/texmf/dvipdfmx/dvipdfmx-
paper.cfg
tl-paper: setting paper size for xdvi to a4: /var/lib/texmf/xdvi/XDvi-paper
tl-paper: setting paper size for pdftex to a4: /var/lib/texmf/tex/generic/config/p
dftexconfig.tex
Setting up texlive-fonts-recommended (2017.20180305-1) ...
Setting up texlive-plain-generic (2017.20180305-2) ...
Setting up texlive-latex-base (2017.20180305-1) ...
Setting up lmodern (2.004.5-3) ...
Setting up texlive-latex-recommended (2017.20180305-1) ...
Setting up texlive-pictures (2017.20180305-1) ...
Setting up tipa (2:1.3-20) ...
Regenerating '/var/lib/texmf/fmtutil.cnf-DEBIAN'... done.
Regenerating '/var/lib/texmf/fmtutil.cnf-TEXLIVEDIST'... done.
update-fmtutil has updated the following file(s):
    /var/lib/texmf/fmtutil.cnf-DEBIAN
    /var/lib/texmf/fmtutil.cnf-TEXLIVEDIST
If you want to activate the changes in the above file(s),
you should run fmtutil-sys or fmtutil.
Setting up texlive (2017.20180305-1) ...
Setting up texlive-latex-extra (2017.20180305-2) ...
Setting up texlive-xetex (2017.20180305-1) ...
Setting up ruby2.5 (2.5.1-1ubuntu1.12) ...
Setting up ruby (1:2.5.1) ...
Setting up ruby-test-unit (3.2.5-1) ...
Setting up rake (12.3.1-1ubuntu0.1) ...
Setting up libruby2.5:amd64 (2.5.1-1ubuntu1.12) ...
Processing triggers for mime-support (3.60ubuntu1) ...
Processing triggers for libc-bin (2.27-3ubuntu1.5) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for fontconfig (2.12.6-0ubuntu2) ...
Processing triggers for tex-common (6.09) ...
Running updmap-sys. This may take some time... done.
Running mktexlsr /var/lib/texmf ... done.
Building format(s) --all.
    This may take some time... done.
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheel
s/public/simple/
Collecting py pandoc
  Downloading py pandoc-1.8.1-py3-none-any.whl (20 kB)
Installing collected packages: py pandoc
Successfully installed py pandoc-1.8.1
```

In [ ]:

```
!jupyter nbconvert --to html '/content/drive/MyDrive/인공지능프로젝트/week3_lab-2.ipynb'
```

**For more information about pytorch, you can visit pytorch Website**

[pytorch \(https://pytorch.org/\)](https://pytorch.org/)

**Or pytorch github page**

[github \(https://github.com/pytorch/pytorch\)](https://github.com/pytorch/pytorch)

***For example, There are lots of activation function you can use (relu, tanh or else) and many different optimization function(adam, ...)***

***Please look at those more information and think about why there are different activation functions ( hint: It is related with the backpropagation)***