

# Maman 11 By Guy Vitelson

## If you run this within Google Collab, Dont Worry!

all the missing python files/directories/modules will be automatically fetched from my github repository

My GitHub Profile : <https://github.com/v1t3ls0n>

The Repository: [https://github.com/v1t3ls0n/ml\\_intro\\_course\\_mmn11](https://github.com/v1t3ls0n/ml_intro_course_mmn11)

## Overview

### MNIST Digit Classification Using Perceptron Learning Algorithm (PLA)

#### Objective:

This notebook compares the performance of two variants of the Perceptron Learning Algorithm (PLA) on the MNIST digit classification task:

- **Clean PLA:** Standard perceptron without enhancements.
- **Pocket PLA:** Enhanced perceptron that stores the best-performing weights during training (using the Pocket algorithm).

#### Dataset:

- MNIST dataset consisting of 60,000 training samples and 10,000 test samples.
- The images are normalized to the range [0, 1] and a bias term is added, resulting in input samples with 785 features.

#### Evaluation Metrics:

- **Confusion Matrices:** Provides a detailed view of how well each digit is classified.
- **Overall Accuracy (ACC):** Defined as  $\text{ACC} = \frac{TP + TN}{TP + TN + FP + FN}$ .
- **Sensitivity (True Positive Rate, TPR):** For each digit, calculated as  $\text{TPR} = \frac{TP}{TP + FN}$ , showing the model's ability to correctly identify the digit.
- **Selectivity (Specificity, TNR):** For each digit, calculated as  $\text{TNR} = \frac{TN}{TN + FP}$ , showing the model's ability to correctly identify negatives.
- **Training and Testing Error Curves:** Visualized as a function of iteration for detailed analysis of learning dynamics.
- **Runtime:** The time taken to train the models.

#### Goals:

- Evaluate and compare the model accuracy and robustness between Clean PLA and Pocket PLA.
- Analyze and visualize the performance through confusion matrices, error curves, and summary plots (accuracy, sensitivity, selectivity, and runtime vs. the number of iterations).
- Provide a comprehensive discussion on how training iterations affect the decision boundaries and the overall performance, particularly in the one-vs-all classification setup.

This notebook integrates detailed quantitative evaluation with comprehensive visualizations to thoroughly analyze the multi-class Perceptron performance on the MNIST dataset.

## Imports

## External Code Imports (pip packages)

In [ ]:

```
import os
import shutil
import sys
import logging
import numpy as np # type: ignore
import matplotlib.pyplot as plt # type: ignore
import seaborn as sns # type: ignore
import time
```

## Fetch Missing Files For Google Colab Env

In [ ]:

```
# %%capture run_output
# %matplotlib inline

if sys.platform != 'win32': # check if we are running on google collab
    repo_url = "https://github.com/vlt3ls0n/ml_intro_course_mmn11"
    repo_name = "ml_intro_course_mmn11"
    from tqdm.notebook import tqdm # type: ignore

    # Clone the repository if it doesn't exist
    if not os.path.exists(repo_name):
        os.system(f"git clone {repo_url}")

    # Construct the path to the repository directory
    repo_path = os.path.join(os.getcwd(), repo_name)

    # Add the repository directory to the Python path
    if repo_path not in sys.path:
        sys.path.insert(0, repo_path)

    # --- Extract 'core' and 'notebooks' directories ---
    def extract_directories(source_dir, destination_dir, dir_names):
        for dir_name in dir_names:
            source_path = os.path.join(source_dir, dir_name)
            destination_path = os.path.join(destination_dir, dir_name)
            if os.path.exists(source_path):
                shutil.copytree(source_path, destination_path, dirs_exist_ok=True)

    destination_path = "."
    # Extract the directories
    extract_directories(repo_path, destination_path, ["core"])
    project_root = os.path.abspath(os.path.join(os.getcwd(), '..'))
    sys.path.insert(0, project_root)
    if os.path.exists("ml_intro_course_mmn11"):
        shutil.rmtree("ml_intro_course_mmn11")
    if os.path.exists("sample_data"):
        shutil.rmtree("sample_data")
else:
    from tqdm import tqdm # type: ignore
    current_dir = os.getcwd() # Current working directory
    project_root = os.path.abspath(os.path.join(current_dir, '..')) # Root directory of t
    he project
    sys.path.insert(0, project_root)
```

## Internal Code Imports (original code)

In [ ]:

```
# ===== Internal Code Imports =====
```

```

#Logger
from core.logger.config import logger

# Data Preprocessing
from core.data.mnist_loader import load_mnist
from core.data.data_preprocessing import preprocess_data

# Models
from core.models.perceptron.multi_class_perceptron import MultiClassPerceptron
from core.models.logistic_regression.softmax_lregression import SoftmaxRegression
from core.models.linear_regression.linear_regression import LinearRegression

# Performance & Plotting
from core.analysis.evaluation_functions import (
    evaluate_model,
    aggregate_iteration_losses,
    aggregate_iteration_losses_softmax
)

from core.analysis.plotting import (
    plot_confusion_matrix_annotated,
    plot_error_curves,
    plot_accuracy_vs_max_iter,
    plot_runtime_vs_max_iter,
    plot_performance_summary_extended,
    plot_train_curves_three_models,
    plot_metric_vs_learning_rate,
    plot_accuracy_vs_max_iter_4models,
    plot_runtime_vs_max_iter_4models,
    plot_accuracy_vs_runtime,
    plot_performance_summary_extended_by_runtime,
    plot_performance_summary_4models_by_runtime,
    plot_accuracy_vs_runtime_4models
)

logger = logging.getLogger("MyGlobalLogger") # configured in core/logger/config.py

```

## Choose Run Parameters (Significant Effect On Model's Runtime!)

In [ ]:

```

#####
# SEPARATE RUN PARAMETERS FOR PERCEPTRONS vs. REGRESSIONS
#####

# Perceptrons (Clean & Pocket) iteration-based run
perceptron_max_iter_values = [10,1000] # for Clean PLA & Pocket PLA

# Logging the run parameters
logger.info(f"=== Perceptron Run Parameters ===")
logger.info(f"max_iter_values = {perceptron_max_iter_values}")

# Regression (Softmax & Linear) run parameters.
learning_rates = [0.001, 0.005, 0.01]
iteration_counts = [1000,10000]

regression_run_configs = [
    {
        "label": f"LR={lr}/Iter={it}",
        "learning_rate": lr,
        "max_iter": it
    }
    for lr in learning_rates
    for it in iteration_counts
]

logger.info(f"=== Regression Run Parameters ===")

```

```

for cfg in regression_run_configs:
    logger.info(f"{cfg['label']} -> learning_rate={cfg['learning_rate']}, max_iter={cfg['max_iter']}")

2025-03-18 12:32:29,585 - INFO - === Perceptron Run Parameters ===
2025-03-18 12:32:29,585 - INFO - max_iter_values = [10, 1000]
2025-03-18 12:32:29,586 - INFO - === Regression Run Parameters ===
2025-03-18 12:32:29,586 - INFO - LR=0.001/Iter=1000 -> learning_rate=0.001, max_iter=1000
2025-03-18 12:32:29,587 - INFO - LR=0.001/Iter=10000 -> learning_rate=0.001, max_iter=10000
2025-03-18 12:32:29,587 - INFO - LR=0.005/Iter=1000 -> learning_rate=0.005, max_iter=1000
2025-03-18 12:32:29,587 - INFO - LR=0.005/Iter=10000 -> learning_rate=0.005, max_iter=10000
2025-03-18 12:32:29,588 - INFO - LR=0.01/Iter=1000 -> learning_rate=0.01, max_iter=1000
2025-03-18 12:32:29,589 - INFO - LR=0.01/Iter=10000 -> learning_rate=0.01, max_iter=10000
2025-03-18 12:32:29,585 - INFO - max_iter_values = [10, 1000]
2025-03-18 12:32:29,586 - INFO - === Regression Run Parameters ===
2025-03-18 12:32:29,586 - INFO - LR=0.001/Iter=1000 -> learning_rate=0.001, max_iter=1000
2025-03-18 12:32:29,587 - INFO - LR=0.001/Iter=10000 -> learning_rate=0.001, max_iter=10000
2025-03-18 12:32:29,587 - INFO - LR=0.005/Iter=1000 -> learning_rate=0.005, max_iter=1000
2025-03-18 12:32:29,587 - INFO - LR=0.005/Iter=10000 -> learning_rate=0.005, max_iter=10000
2025-03-18 12:32:29,588 - INFO - LR=0.01/Iter=1000 -> learning_rate=0.01, max_iter=1000
2025-03-18 12:32:29,589 - INFO - LR=0.01/Iter=10000 -> learning_rate=0.01, max_iter=10000

```

## Load and Preprocess the MNIST Dataset

In [ ]:

```

'''
We'll load the MNIST dataset using our custom loader (`mnist_loader`) and then apply preprocessing (`data_preprocessing`).
The preprocessing step normalizes each image to the range [0, 1] and adds a bias term, resulting in input samples with 785 features.
This setup ensures that the training set contains 60,000 samples and the test set 10,000 samples, preparing the data for the subsequent classification tasks.
'''

# New section
# Load raw MNIST data (X: images, y: labels)
X_raw, y_raw = load_mnist()

logger.info("Raw MNIST data shapes: X_raw: %s, y_raw: %s", X_raw.shape, y_raw.shape)

# Preprocess (normalize & add bias = True)
X = preprocess_data(X_raw, add_bias=True, normalize=True)
logger.info("Preprocessed shape: %s", X.shape)

# Split into train/test manually or with 60k/10k as the task suggests
X_train, y_train = X[:60000], y_raw[:60000]
X_test, y_test = X[60000:], y_raw[60000:]

logger.info("Train set: X_train: %s, y_train: %s", X_train.shape, y_train.shape)
logger.info("Test set: X_test: %s, y_test: %s", X_test.shape, y_test.shape)

2025-03-18 12:32:31,817 - INFO - Raw MNIST data shapes: X_raw: (70000, 784), y_raw: (70000,)
2025-03-18 12:32:31,985 - INFO - Preprocessed shape: (70000, 785)
2025-03-18 12:32:31,986 - INFO - Train set: X_train: (60000, 785), y_train: (60000,)
2025-03-18 12:32:31,986 - INFO - Test set: X_test: (10000, 785), y_test: (10000,)

```

## Train

In [ ]:

```
# =====
```

```

# TRAINING CELL
# =====

# 1) Dictionaries to store trained models
trained_models_clean = {}
trained_models_pocket = {}
trained_models_softmax = {}
trained_models_linear = {}

# 2) Train Regression Models (Softmax & Linear)
logger.info("=== TRAINING REGRESSION MODELS (Softmax & Linear) ===")
for cfg in tqdm(regression_run_configs, desc="Train Regressions"):
    lr_val = cfg["learning_rate"]
    max_iter_val = cfg["max_iter"]
    label = cfg["label"] # e.g. "LR=0.001/Iter=1000"

    # --- Softmax ---
    logger.info(f"--- Softmax {label} ---")
    s_model = SoftmaxRegression(num_classes=10, max_iter=max_iter_val, learning_rate=lr_val)
    s_model.fit(X_train, y_train)
    # Use (lr_val, max_iter_val) or label as key; either works
    trained_models_softmax[(lr_val, max_iter_val)] = s_model

    # --- Linear ---
    logger.info(f"--- Linear Regression {label} ---")
    lin_model = LinearRegression(num_classes=10, max_iter=max_iter_val, learning_rate=lr_val)
    lin_model.fit(X_train, y_train)
    trained_models_linear[(lr_val, max_iter_val)] = lin_model

logger.info("Training complete for Softmax and Linear.")

# 3) Train Perceptron Models (Clean & Pocket)
logger.info("=== TRAINING PERCEPTRON MODELS (Clean & Pocket) ===")
for max_iter in tqdm(perceptron_max_iter_values, desc="Train Clean & Pocket"):
    logger.info(f"--- Clean PLA, max_iter={max_iter} ---")
    clean_perc = MultiClassPerceptron(num_classes=10, max_iter=max_iter, use_pocket=False)
    clean_perc.fit(X_train, y_train)
    trained_models_clean[max_iter] = clean_perc

    logger.info(f"--- Pocket PLA, max_iter={max_iter} ---")
    pocket_perc = MultiClassPerceptron(num_classes=10, max_iter=max_iter, use_pocket=True)
    pocket_perc.fit(X_train, y_train)
    trained_models_pocket[max_iter] = pocket_perc

logger.info("Training complete for Clean PLA and Pocket PLA.")
logger.info("=== ALL TRAINING COMPLETE ===")

```

```

2025-03-18 12:32:31,998 - INFO - === TRAINING REGRESSION MODELS (Softmax & Linear) ===
Train Regressions: 0%|          | 0/6 [00:00<?, ?
it/s]2025-03-18 12:32:32,000 - INFO - --- Softmax LR=0.001/Iter=1000 ---
Train Regressions: 0%|          | 0/6 [00:00<?, ?
it/s]2025-03-18 12:32:32,000 - INFO - --- Softmax LR=0.001/Iter=1000 ---
2025-03-18 12:32:32,413 - INFO - Iter 10/1000, Loss: 2.2929
2025-03-18 12:32:32,821 - INFO - Iter 20/1000, Loss: 2.2822
2025-03-18 12:32:33,258 - INFO - Iter 30/1000, Loss: 2.2716
2025-03-18 12:32:33,663 - INFO - Iter 40/1000, Loss: 2.2611
2025-03-18 12:32:34,056 - INFO - Iter 50/1000, Loss: 2.2507
2025-03-18 12:32:34,448 - INFO - Iter 60/1000, Loss: 2.2404
2025-03-18 12:32:34,837 - INFO - Iter 70/1000, Loss: 2.2302
2025-03-18 12:32:35,230 - INFO - Iter 80/1000, Loss: 2.2201
2025-03-18 12:32:35,619 - INFO - Iter 90/1000, Loss: 2.2100
2025-03-18 12:32:36,014 - INFO - Iter 100/1000, Loss: 2.2001
2025-03-18 12:32:36,405 - INFO - Iter 110/1000, Loss: 2.1902
2025-03-18 12:32:36,802 - INFO - Iter 120/1000, Loss: 2.1804
2025-03-18 12:32:37,200 - INFO - Iter 130/1000, Loss: 2.1707
2025-03-18 12:32:37,604 - INFO - Iter 140/1000, Loss: 2.1611
2025-03-18 12:32:38,018 - INFO - Iter 150/1000, Loss: 2.1515
2025-03-18 12:32:38,446 - INFO - Iter 160/1000, Loss: 2.1421

```

2025-03-18	12:32:38,860	- INFO - Iter 170/1000, Loss: 2.1327
2025-03-18	12:32:39,257	- INFO - Iter 180/1000, Loss: 2.1233
2025-03-18	12:32:39,655	- INFO - Iter 190/1000, Loss: 2.1141
2025-03-18	12:32:40,054	- INFO - Iter 200/1000, Loss: 2.1049
2025-03-18	12:32:40,447	- INFO - Iter 210/1000, Loss: 2.0958
2025-03-18	12:32:40,851	- INFO - Iter 220/1000, Loss: 2.0868
2025-03-18	12:32:41,247	- INFO - Iter 230/1000, Loss: 2.0778
2025-03-18	12:32:41,660	- INFO - Iter 240/1000, Loss: 2.0689
2025-03-18	12:32:42,052	- INFO - Iter 250/1000, Loss: 2.0600
2025-03-18	12:32:42,450	- INFO - Iter 260/1000, Loss: 2.0513
2025-03-18	12:32:42,848	- INFO - Iter 270/1000, Loss: 2.0426
2025-03-18	12:32:43,253	- INFO - Iter 280/1000, Loss: 2.0339
2025-03-18	12:32:43,653	- INFO - Iter 290/1000, Loss: 2.0254
2025-03-18	12:32:44,050	- INFO - Iter 300/1000, Loss: 2.0169
2025-03-18	12:32:44,465	- INFO - Iter 310/1000, Loss: 2.0084
2025-03-18	12:32:44,922	- INFO - Iter 320/1000, Loss: 2.0001
2025-03-18	12:32:45,327	- INFO - Iter 330/1000, Loss: 1.9917
2025-03-18	12:32:45,737	- INFO - Iter 340/1000, Loss: 1.9835
2025-03-18	12:32:46,132	- INFO - Iter 350/1000, Loss: 1.9753
2025-03-18	12:32:46,523	- INFO - Iter 360/1000, Loss: 1.9672
2025-03-18	12:32:46,930	- INFO - Iter 370/1000, Loss: 1.9591
2025-03-18	12:32:47,328	- INFO - Iter 380/1000, Loss: 1.9511
2025-03-18	12:32:47,725	- INFO - Iter 390/1000, Loss: 1.9431
2025-03-18	12:32:48,122	- INFO - Iter 400/1000, Loss: 1.9353
2025-03-18	12:32:48,523	- INFO - Iter 410/1000, Loss: 1.9274
2025-03-18	12:32:48,921	- INFO - Iter 420/1000, Loss: 1.9197
2025-03-18	12:32:49,318	- INFO - Iter 430/1000, Loss: 1.9119
2025-03-18	12:32:49,717	- INFO - Iter 440/1000, Loss: 1.9043
2025-03-18	12:32:50,109	- INFO - Iter 450/1000, Loss: 1.8967
2025-03-18	12:32:50,502	- INFO - Iter 460/1000, Loss: 1.8891
2025-03-18	12:32:50,898	- INFO - Iter 470/1000, Loss: 1.8817
2025-03-18	12:32:51,291	- INFO - Iter 480/1000, Loss: 1.8742
2025-03-18	12:32:51,687	- INFO - Iter 490/1000, Loss: 1.8668
2025-03-18	12:32:52,079	- INFO - Iter 500/1000, Loss: 1.8595
2025-03-18	12:32:52,471	- INFO - Iter 510/1000, Loss: 1.8523
2025-03-18	12:32:52,865	- INFO - Iter 520/1000, Loss: 1.8451
2025-03-18	12:32:53,260	- INFO - Iter 530/1000, Loss: 1.8379
2025-03-18	12:32:53,687	- INFO - Iter 540/1000, Loss: 1.8308
2025-03-18	12:32:54,089	- INFO - Iter 550/1000, Loss: 1.8237
2025-03-18	12:32:54,499	- INFO - Iter 560/1000, Loss: 1.8167
2025-03-18	12:32:54,906	- INFO - Iter 570/1000, Loss: 1.8098
2025-03-18	12:32:55,311	- INFO - Iter 580/1000, Loss: 1.8029
2025-03-18	12:32:55,711	- INFO - Iter 590/1000, Loss: 1.7961
2025-03-18	12:32:56,105	- INFO - Iter 600/1000, Loss: 1.7893
2025-03-18	12:32:56,499	- INFO - Iter 610/1000, Loss: 1.7825
2025-03-18	12:32:56,891	- INFO - Iter 620/1000, Loss: 1.7758
2025-03-18	12:32:57,288	- INFO - Iter 630/1000, Loss: 1.7692
2025-03-18	12:32:57,678	- INFO - Iter 640/1000, Loss: 1.7626
2025-03-18	12:32:58,074	- INFO - Iter 650/1000, Loss: 1.7561
2025-03-18	12:32:58,470	- INFO - Iter 660/1000, Loss: 1.7496
2025-03-18	12:32:58,864	- INFO - Iter 670/1000, Loss: 1.7431
2025-03-18	12:32:59,258	- INFO - Iter 680/1000, Loss: 1.7367
2025-03-18	12:32:59,658	- INFO - Iter 690/1000, Loss: 1.7304
2025-03-18	12:33:00,055	- INFO - Iter 700/1000, Loss: 1.7241
2025-03-18	12:33:00,452	- INFO - Iter 710/1000, Loss: 1.7178
2025-03-18	12:33:00,849	- INFO - Iter 720/1000, Loss: 1.7116
2025-03-18	12:33:01,263	- INFO - Iter 730/1000, Loss: 1.7055
2025-03-18	12:33:01,658	- INFO - Iter 740/1000, Loss: 1.6993
2025-03-18	12:33:02,054	- INFO - Iter 750/1000, Loss: 1.6933
2025-03-18	12:33:02,447	- INFO - Iter 760/1000, Loss: 1.6873
2025-03-18	12:33:02,841	- INFO - Iter 770/1000, Loss: 1.6813
2025-03-18	12:33:03,239	- INFO - Iter 780/1000, Loss: 1.6753
2025-03-18	12:33:03,648	- INFO - Iter 790/1000, Loss: 1.6695
2025-03-18	12:33:04,047	- INFO - Iter 800/1000, Loss: 1.6636
2025-03-18	12:33:04,440	- INFO - Iter 810/1000, Loss: 1.6578
2025-03-18	12:33:04,837	- INFO - Iter 820/1000, Loss: 1.6520
2025-03-18	12:33:05,229	- INFO - Iter 830/1000, Loss: 1.6463
2025-03-18	12:33:05,637	- INFO - Iter 840/1000, Loss: 1.6406
2025-03-18	12:33:06,045	- INFO - Iter 850/1000, Loss: 1.6350
2025-03-18	12:33:06,443	- INFO - Iter 860/1000, Loss: 1.6294
2025-03-18	12:33:06,850	- INFO - Iter 870/1000, Loss: 1.6239
2025-03-18	12:33:07,255	- INFO - Iter 880/1000, Loss: 1.6184



```
2025-03-18 12:33:07,653 - INFO - Iter 890/1000, Loss: 1.6129
2025-03-18 12:33:08,051 - INFO - Iter 900/1000, Loss: 1.6075
2025-03-18 12:33:08,452 - INFO - Iter 910/1000, Loss: 1.6021
2025-03-18 12:33:08,855 - INFO - Iter 920/1000, Loss: 1.5967
2025-03-18 12:33:09,277 - INFO - Iter 930/1000, Loss: 1.5914
2025-03-18 12:33:09,672 - INFO - Iter 940/1000, Loss: 1.5862
2025-03-18 12:33:10,066 - INFO - Iter 950/1000, Loss: 1.5809
2025-03-18 12:33:10,462 - INFO - Iter 960/1000, Loss: 1.5757
2025-03-18 12:33:10,852 - INFO - Iter 970/1000, Loss: 1.5706
2025-03-18 12:33:11,252 - INFO - Iter 980/1000, Loss: 1.5655
2025-03-18 12:33:11,651 - INFO - Iter 990/1000, Loss: 1.5604
2025-03-18 12:33:12,039 - INFO - Iter 1000/1000, Loss: 1.5554
2025-03-18 12:33:12,040 - INFO - SoftmaxRegression training completed in 40.04 seconds.
2025-03-18 12:33:12,041 - INFO - --- Linear Regression LR=0.001/Iter=1000 ---
2025-03-18 12:33:12,351 - INFO - Iter 10/1000, Train Loss: 0.0467
2025-03-18 12:33:12,655 - INFO - Iter 20/1000, Train Loss: 0.0445
2025-03-18 12:33:12,964 - INFO - Iter 30/1000, Train Loss: 0.0430
2025-03-18 12:33:13,275 - INFO - Iter 40/1000, Train Loss: 0.0419
2025-03-18 12:33:13,585 - INFO - Iter 50/1000, Train Loss: 0.0410
2025-03-18 12:33:13,912 - INFO - Iter 60/1000, Train Loss: 0.0402
2025-03-18 12:33:14,229 - INFO - Iter 70/1000, Train Loss: 0.0395
2025-03-18 12:33:14,540 - INFO - Iter 80/1000, Train Loss: 0.0388
2025-03-18 12:33:14,856 - INFO - Iter 90/1000, Train Loss: 0.0382
2025-03-18 12:33:15,174 - INFO - Iter 100/1000, Train Loss: 0.0376
2025-03-18 12:33:15,485 - INFO - Iter 110/1000, Train Loss: 0.0370
2025-03-18 12:33:15,795 - INFO - Iter 120/1000, Train Loss: 0.0365
2025-03-18 12:33:16,099 - INFO - Iter 130/1000, Train Loss: 0.0360
2025-03-18 12:33:16,407 - INFO - Iter 140/1000, Train Loss: 0.0355
2025-03-18 12:33:16,717 - INFO - Iter 150/1000, Train Loss: 0.0351
2025-03-18 12:33:17,034 - INFO - Iter 160/1000, Train Loss: 0.0346
2025-03-18 12:33:17,363 - INFO - Iter 170/1000, Train Loss: 0.0342
2025-03-18 12:33:17,684 - INFO - Iter 180/1000, Train Loss: 0.0338
2025-03-18 12:33:18,002 - INFO - Iter 190/1000, Train Loss: 0.0335
2025-03-18 12:33:18,309 - INFO - Iter 200/1000, Train Loss: 0.0331
2025-03-18 12:33:18,619 - INFO - Iter 210/1000, Train Loss: 0.0328
2025-03-18 12:33:18,933 - INFO - Iter 220/1000, Train Loss: 0.0325
2025-03-18 12:33:19,269 - INFO - Iter 230/1000, Train Loss: 0.0322
2025-03-18 12:33:19,666 - INFO - Iter 240/1000, Train Loss: 0.0319
2025-03-18 12:33:20,038 - INFO - Iter 250/1000, Train Loss: 0.0316
2025-03-18 12:33:20,422 - INFO - Iter 260/1000, Train Loss: 0.0313
2025-03-18 12:33:20,796 - INFO - Iter 270/1000, Train Loss: 0.0311
2025-03-18 12:33:21,183 - INFO - Iter 280/1000, Train Loss: 0.0308
2025-03-18 12:33:21,498 - INFO - Iter 290/1000, Train Loss: 0.0306
2025-03-18 12:33:21,815 - INFO - Iter 300/1000, Train Loss: 0.0304
2025-03-18 12:33:22,123 - INFO - Iter 310/1000, Train Loss: 0.0302
2025-03-18 12:33:22,441 - INFO - Iter 320/1000, Train Loss: 0.0300
2025-03-18 12:33:22,751 - INFO - Iter 330/1000, Train Loss: 0.0298
2025-03-18 12:33:23,060 - INFO - Iter 340/1000, Train Loss: 0.0296
2025-03-18 12:33:23,367 - INFO - Iter 350/1000, Train Loss: 0.0294
2025-03-18 12:33:23,681 - INFO - Iter 360/1000, Train Loss: 0.0293
2025-03-18 12:33:24,017 - INFO - Iter 370/1000, Train Loss: 0.0291
2025-03-18 12:33:24,334 - INFO - Iter 380/1000, Train Loss: 0.0289
2025-03-18 12:33:24,640 - INFO - Iter 390/1000, Train Loss: 0.0288
2025-03-18 12:33:24,950 - INFO - Iter 400/1000, Train Loss: 0.0286
2025-03-18 12:33:25,268 - INFO - Iter 410/1000, Train Loss: 0.0285
2025-03-18 12:33:25,582 - INFO - Iter 420/1000, Train Loss: 0.0283
2025-03-18 12:33:25,889 - INFO - Iter 430/1000, Train Loss: 0.0282
2025-03-18 12:33:26,202 - INFO - Iter 440/1000, Train Loss: 0.0281
2025-03-18 12:33:26,505 - INFO - Iter 450/1000, Train Loss: 0.0280
2025-03-18 12:33:26,829 - INFO - Iter 460/1000, Train Loss: 0.0278
2025-03-18 12:33:27,132 - INFO - Iter 470/1000, Train Loss: 0.0277
2025-03-18 12:33:27,447 - INFO - Iter 480/1000, Train Loss: 0.0276
2025-03-18 12:33:27,752 - INFO - Iter 490/1000, Train Loss: 0.0275
2025-03-18 12:33:28,055 - INFO - Iter 500/1000, Train Loss: 0.0274
2025-03-18 12:33:28,371 - INFO - Iter 510/1000, Train Loss: 0.0273
2025-03-18 12:33:28,678 - INFO - Iter 520/1000, Train Loss: 0.0272
2025-03-18 12:33:28,999 - INFO - Iter 530/1000, Train Loss: 0.0271
2025-03-18 12:33:29,338 - INFO - Iter 540/1000, Train Loss: 0.0270
2025-03-18 12:33:29,654 - INFO - Iter 550/1000, Train Loss: 0.0269
2025-03-18 12:33:29,967 - INFO - Iter 560/1000, Train Loss: 0.0268
2025-03-18 12:33:30,286 - INFO - Iter 570/1000, Train Loss: 0.0268
2025-03-18 12:33:30,601 - INFO - Iter 580/1000, Train Loss: 0.0267
```

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2025-03-18 12:33:30,912 - INFO - Iter 590/1000, Train Loss: 0.0266
2025-03-18 12:33:31,223 - INFO - Iter 600/1000, Train Loss: 0.0265
2025-03-18 12:33:31,535 - INFO - Iter 610/1000, Train Loss: 0.0264
2025-03-18 12:33:31,850 - INFO - Iter 620/1000, Train Loss: 0.0264
2025-03-18 12:33:32,169 - INFO - Iter 630/1000, Train Loss: 0.0263
2025-03-18 12:33:32,495 - INFO - Iter 640/1000, Train Loss: 0.0262
2025-03-18 12:33:32,814 - INFO - Iter 650/1000, Train Loss: 0.0262
2025-03-18 12:33:33,131 - INFO - Iter 660/1000, Train Loss: 0.0261
2025-03-18 12:33:33,451 - INFO - Iter 670/1000, Train Loss: 0.0260
2025-03-18 12:33:33,768 - INFO - Iter 680/1000, Train Loss: 0.0260
2025-03-18 12:33:34,099 - INFO - Iter 690/1000, Train Loss: 0.0259
2025-03-18 12:33:34,422 - INFO - Iter 700/1000, Train Loss: 0.0258
2025-03-18 12:33:34,733 - INFO - Iter 710/1000, Train Loss: 0.0258
2025-03-18 12:33:35,039 - INFO - Iter 720/1000, Train Loss: 0.0257
2025-03-18 12:33:35,351 - INFO - Iter 730/1000, Train Loss: 0.0257
2025-03-18 12:33:35,655 - INFO - Iter 740/1000, Train Loss: 0.0256
2025-03-18 12:33:35,963 - INFO - Iter 750/1000, Train Loss: 0.0255
2025-03-18 12:33:36,271 - INFO - Iter 760/1000, Train Loss: 0.0255
2025-03-18 12:33:36,583 - INFO - Iter 770/1000, Train Loss: 0.0254
2025-03-18 12:33:36,895 - INFO - Iter 780/1000, Train Loss: 0.0254
2025-03-18 12:33:37,201 - INFO - Iter 790/1000, Train Loss: 0.0253
2025-03-18 12:33:37,514 - INFO - Iter 800/1000, Train Loss: 0.0253
2025-03-18 12:33:37,819 - INFO - Iter 810/1000, Train Loss: 0.0252
2025-03-18 12:33:38,126 - INFO - Iter 820/1000, Train Loss: 0.0252
2025-03-18 12:33:38,436 - INFO - Iter 830/1000, Train Loss: 0.0252
2025-03-18 12:33:38,744 - INFO - Iter 840/1000, Train Loss: 0.0251
2025-03-18 12:33:39,051 - INFO - Iter 850/1000, Train Loss: 0.0251
2025-03-18 12:33:39,364 - INFO - Iter 860/1000, Train Loss: 0.0250
2025-03-18 12:33:39,671 - INFO - Iter 870/1000, Train Loss: 0.0250
2025-03-18 12:33:39,976 - INFO - Iter 880/1000, Train Loss: 0.0249
2025-03-18 12:33:40,287 - INFO - Iter 890/1000, Train Loss: 0.0249
2025-03-18 12:33:40,597 - INFO - Iter 900/1000, Train Loss: 0.0249
2025-03-18 12:33:40,914 - INFO - Iter 910/1000, Train Loss: 0.0248
2025-03-18 12:33:41,222 - INFO - Iter 920/1000, Train Loss: 0.0248
2025-03-18 12:33:41,534 - INFO - Iter 930/1000, Train Loss: 0.0247
2025-03-18 12:33:41,844 - INFO - Iter 940/1000, Train Loss: 0.0247
2025-03-18 12:33:42,148 - INFO - Iter 950/1000, Train Loss: 0.0247
2025-03-18 12:33:42,453 - INFO - Iter 960/1000, Train Loss: 0.0246
2025-03-18 12:33:42,768 - INFO - Iter 970/1000, Train Loss: 0.0246
2025-03-18 12:33:43,080 - INFO - Iter 980/1000, Train Loss: 0.0246
2025-03-18 12:33:43,397 - INFO - Iter 990/1000, Train Loss: 0.0245
2025-03-18 12:33:43,705 - INFO - Iter 1000/1000, Train Loss: 0.0245
2025-03-18 12:33:43,705 - INFO - LinearRegressionClassifier training completed in 31.66 s
econds.
```

```
Train Regressions: 17%|██████████| 1/6 [01:11<05:58, 71.71
s/it]
```

```
2025-03-18 12:33:43,707 - INFO - --- Softmax LR=0.001/Iter=10000 ---
2025-03-18 12:33:44,100 - INFO - Iter 10/10000, Loss: 2.2929
2025-03-18 12:33:44,503 - INFO - Iter 20/10000, Loss: 2.2822
2025-03-18 12:33:44,895 - INFO - Iter 30/10000, Loss: 2.2716
2025-03-18 12:33:45,293 - INFO - Iter 40/10000, Loss: 2.2611
2025-03-18 12:33:45,683 - INFO - Iter 50/10000, Loss: 2.2507
2025-03-18 12:33:46,074 - INFO - Iter 60/10000, Loss: 2.2404
2025-03-18 12:33:46,471 - INFO - Iter 70/10000, Loss: 2.2302
2025-03-18 12:33:46,865 - INFO - Iter 80/10000, Loss: 2.2201
2025-03-18 12:33:47,254 - INFO - Iter 90/10000, Loss: 2.2100
2025-03-18 12:33:47,644 - INFO - Iter 100/10000, Loss: 2.2001
2025-03-18 12:33:48,034 - INFO - Iter 110/10000, Loss: 2.1902
2025-03-18 12:33:48,429 - INFO - Iter 120/10000, Loss: 2.1804
2025-03-18 12:33:48,817 - INFO - Iter 130/10000, Loss: 2.1707
2025-03-18 12:33:49,204 - INFO - Iter 140/10000, Loss: 2.1611
2025-03-18 12:33:49,596 - INFO - Iter 150/10000, Loss: 2.1515
2025-03-18 12:33:49,989 - INFO - Iter 160/10000, Loss: 2.1421
2025-03-18 12:33:50,384 - INFO - Iter 170/10000, Loss: 2.1327
2025-03-18 12:33:50,783 - INFO - Iter 180/10000, Loss: 2.1233
2025-03-18 12:33:51,176 - INFO - Iter 190/10000, Loss: 2.1141
2025-03-18 12:33:51,571 - INFO - Iter 200/10000, Loss: 2.1049
2025-03-18 12:33:51,967 - INFO - Iter 210/10000, Loss: 2.0958
2025-03-18 12:33:52,359 - INFO - Iter 220/10000, Loss: 2.0868
2025-03-18 12:33:52,748 - INFO - Iter 230/10000, Loss: 2.0778
2025-03-18 12:33:53,139 - INFO - Iter 240/10000, Loss: 2.0689
2025-03-18 12:33:53,541 - INFO - Iter 250/10000, Loss: 2.0600
2025-03-18 12:33:53,937 - INFO - Iter 260/10000, Loss: 2.0513
```



2025-03-18	12:33:54,336	- INFO - Iter 270/10000, Loss: 2.0426
2025-03-18	12:33:54,742	- INFO - Iter 280/10000, Loss: 2.0339
2025-03-18	12:33:55,139	- INFO - Iter 290/10000, Loss: 2.0254
2025-03-18	12:33:55,540	- INFO - Iter 300/10000, Loss: 2.0169
2025-03-18	12:33:55,933	- INFO - Iter 310/10000, Loss: 2.0084
2025-03-18	12:33:56,331	- INFO - Iter 320/10000, Loss: 2.0001
2025-03-18	12:33:56,723	- INFO - Iter 330/10000, Loss: 1.9917
2025-03-18	12:33:57,117	- INFO - Iter 340/10000, Loss: 1.9835
2025-03-18	12:33:57,510	- INFO - Iter 350/10000, Loss: 1.9753
2025-03-18	12:33:57,904	- INFO - Iter 360/10000, Loss: 1.9672
2025-03-18	12:33:58,302	- INFO - Iter 370/10000, Loss: 1.9591
2025-03-18	12:33:58,695	- INFO - Iter 380/10000, Loss: 1.9511
2025-03-18	12:33:59,085	- INFO - Iter 390/10000, Loss: 1.9431
2025-03-18	12:33:59,477	- INFO - Iter 400/10000, Loss: 1.9353
2025-03-18	12:33:59,870	- INFO - Iter 410/10000, Loss: 1.9274
2025-03-18	12:34:00,262	- INFO - Iter 420/10000, Loss: 1.9197
2025-03-18	12:34:00,652	- INFO - Iter 430/10000, Loss: 1.9119
2025-03-18	12:34:01,045	- INFO - Iter 440/10000, Loss: 1.9043
2025-03-18	12:34:01,435	- INFO - Iter 450/10000, Loss: 1.8967
2025-03-18	12:34:01,827	- INFO - Iter 460/10000, Loss: 1.8891
2025-03-18	12:34:02,222	- INFO - Iter 470/10000, Loss: 1.8817
2025-03-18	12:34:02,608	- INFO - Iter 480/10000, Loss: 1.8742
2025-03-18	12:34:03,000	- INFO - Iter 490/10000, Loss: 1.8668
2025-03-18	12:34:03,399	- INFO - Iter 500/10000, Loss: 1.8595
2025-03-18	12:34:03,790	- INFO - Iter 510/10000, Loss: 1.8523
2025-03-18	12:34:04,185	- INFO - Iter 520/10000, Loss: 1.8451
2025-03-18	12:34:04,580	- INFO - Iter 530/10000, Loss: 1.8379
2025-03-18	12:34:04,987	- INFO - Iter 540/10000, Loss: 1.8308
2025-03-18	12:34:05,388	- INFO - Iter 550/10000, Loss: 1.8237
2025-03-18	12:34:05,779	- INFO - Iter 560/10000, Loss: 1.8167
2025-03-18	12:34:06,172	- INFO - Iter 570/10000, Loss: 1.8098
2025-03-18	12:34:06,569	- INFO - Iter 580/10000, Loss: 1.8029
2025-03-18	12:34:06,961	- INFO - Iter 590/10000, Loss: 1.7961
2025-03-18	12:34:07,353	- INFO - Iter 600/10000, Loss: 1.7893
2025-03-18	12:34:07,747	- INFO - Iter 610/10000, Loss: 1.7825
2025-03-18	12:34:08,139	- INFO - Iter 620/10000, Loss: 1.7758
2025-03-18	12:34:08,534	- INFO - Iter 630/10000, Loss: 1.7692
2025-03-18	12:34:08,925	- INFO - Iter 640/10000, Loss: 1.7626
2025-03-18	12:34:09,315	- INFO - Iter 650/10000, Loss: 1.7561
2025-03-18	12:34:09,708	- INFO - Iter 660/10000, Loss: 1.7496
2025-03-18	12:34:10,101	- INFO - Iter 670/10000, Loss: 1.7431
2025-03-18	12:34:10,494	- INFO - Iter 680/10000, Loss: 1.7367
2025-03-18	12:34:10,886	- INFO - Iter 690/10000, Loss: 1.7304
2025-03-18	12:34:11,274	- INFO - Iter 700/10000, Loss: 1.7241
2025-03-18	12:34:11,668	- INFO - Iter 710/10000, Loss: 1.7178
2025-03-18	12:34:12,060	- INFO - Iter 720/10000, Loss: 1.7116
2025-03-18	12:34:12,453	- INFO - Iter 730/10000, Loss: 1.7055
2025-03-18	12:34:12,848	- INFO - Iter 740/10000, Loss: 1.6993
2025-03-18	12:34:13,235	- INFO - Iter 750/10000, Loss: 1.6933
2025-03-18	12:34:13,630	- INFO - Iter 760/10000, Loss: 1.6873
2025-03-18	12:34:14,021	- INFO - Iter 770/10000, Loss: 1.6813
2025-03-18	12:34:14,416	- INFO - Iter 780/10000, Loss: 1.6753
2025-03-18	12:34:14,812	- INFO - Iter 790/10000, Loss: 1.6695
2025-03-18	12:34:15,211	- INFO - Iter 800/10000, Loss: 1.6636
2025-03-18	12:34:15,602	- INFO - Iter 810/10000, Loss: 1.6578
2025-03-18	12:34:15,989	- INFO - Iter 820/10000, Loss: 1.6520
2025-03-18	12:34:16,384	- INFO - Iter 830/10000, Loss: 1.6463
2025-03-18	12:34:16,770	- INFO - Iter 840/10000, Loss: 1.6406
2025-03-18	12:34:17,161	- INFO - Iter 850/10000, Loss: 1.6350
2025-03-18	12:34:17,556	- INFO - Iter 860/10000, Loss: 1.6294
2025-03-18	12:34:17,946	- INFO - Iter 870/10000, Loss: 1.6239
2025-03-18	12:34:18,338	- INFO - Iter 880/10000, Loss: 1.6184
2025-03-18	12:34:18,729	- INFO - Iter 890/10000, Loss: 1.6129
2025-03-18	12:34:19,116	- INFO - Iter 900/10000, Loss: 1.6075
2025-03-18	12:34:19,506	- INFO - Iter 910/10000, Loss: 1.6021
2025-03-18	12:34:19,898	- INFO - Iter 920/10000, Loss: 1.5967
2025-03-18	12:34:20,294	- INFO - Iter 930/10000, Loss: 1.5914
2025-03-18	12:34:20,681	- INFO - Iter 940/10000, Loss: 1.5862
2025-03-18	12:34:21,079	- INFO - Iter 950/10000, Loss: 1.5809
2025-03-18	12:34:21,473	- INFO - Iter 960/10000, Loss: 1.5757
2025-03-18	12:34:21,863	- INFO - Iter 970/10000, Loss: 1.5706
2025-03-18	12:34:22,256	- INFO - Iter 980/10000, Loss: 1.5655

2025-03-18	12:34:22,655	- INFO - Iter 990/10000, Loss: 1.5604
2025-03-18	12:34:23,056	- INFO - Iter 1000/10000, Loss: 1.5554
2025-03-18	12:34:23,455	- INFO - Iter 1010/10000, Loss: 1.5504
2025-03-18	12:34:23,854	- INFO - Iter 1020/10000, Loss: 1.5454
2025-03-18	12:34:24,251	- INFO - Iter 1030/10000, Loss: 1.5405
2025-03-18	12:34:24,649	- INFO - Iter 1040/10000, Loss: 1.5356
2025-03-18	12:34:25,065	- INFO - Iter 1050/10000, Loss: 1.5307
2025-03-18	12:34:25,458	- INFO - Iter 1060/10000, Loss: 1.5259
2025-03-18	12:34:25,862	- INFO - Iter 1070/10000, Loss: 1.5211
2025-03-18	12:34:26,260	- INFO - Iter 1080/10000, Loss: 1.5163
2025-03-18	12:34:26,661	- INFO - Iter 1090/10000, Loss: 1.5116
2025-03-18	12:34:27,072	- INFO - Iter 1100/10000, Loss: 1.5069
2025-03-18	12:34:27,471	- INFO - Iter 1110/10000, Loss: 1.5023
2025-03-18	12:34:27,861	- INFO - Iter 1120/10000, Loss: 1.4977
2025-03-18	12:34:28,255	- INFO - Iter 1130/10000, Loss: 1.4931
2025-03-18	12:34:28,651	- INFO - Iter 1140/10000, Loss: 1.4885
2025-03-18	12:34:29,046	- INFO - Iter 1150/10000, Loss: 1.4840
2025-03-18	12:34:29,440	- INFO - Iter 1160/10000, Loss: 1.4795
2025-03-18	12:34:29,832	- INFO - Iter 1170/10000, Loss: 1.4751
2025-03-18	12:34:30,238	- INFO - Iter 1180/10000, Loss: 1.4707
2025-03-18	12:34:30,636	- INFO - Iter 1190/10000, Loss: 1.4663
2025-03-18	12:34:31,029	- INFO - Iter 1200/10000, Loss: 1.4619
2025-03-18	12:34:31,432	- INFO - Iter 1210/10000, Loss: 1.4576
2025-03-18	12:34:31,835	- INFO - Iter 1220/10000, Loss: 1.4533
2025-03-18	12:34:32,235	- INFO - Iter 1230/10000, Loss: 1.4490
2025-03-18	12:34:32,635	- INFO - Iter 1240/10000, Loss: 1.4448
2025-03-18	12:34:33,034	- INFO - Iter 1250/10000, Loss: 1.4406
2025-03-18	12:34:33,431	- INFO - Iter 1260/10000, Loss: 1.4364
2025-03-18	12:34:33,826	- INFO - Iter 1270/10000, Loss: 1.4323
2025-03-18	12:34:34,224	- INFO - Iter 1280/10000, Loss: 1.4281
2025-03-18	12:34:34,620	- INFO - Iter 1290/10000, Loss: 1.4241
2025-03-18	12:34:35,014	- INFO - Iter 1300/10000, Loss: 1.4200
2025-03-18	12:34:35,426	- INFO - Iter 1310/10000, Loss: 1.4160
2025-03-18	12:34:35,825	- INFO - Iter 1320/10000, Loss: 1.4120
2025-03-18	12:34:36,221	- INFO - Iter 1330/10000, Loss: 1.4080
2025-03-18	12:34:36,633	- INFO - Iter 1340/10000, Loss: 1.4040
2025-03-18	12:34:37,028	- INFO - Iter 1350/10000, Loss: 1.4001
2025-03-18	12:34:37,433	- INFO - Iter 1360/10000, Loss: 1.3962
2025-03-18	12:34:37,832	- INFO - Iter 1370/10000, Loss: 1.3924
2025-03-18	12:34:38,232	- INFO - Iter 1380/10000, Loss: 1.3885
2025-03-18	12:34:38,629	- INFO - Iter 1390/10000, Loss: 1.3847
2025-03-18	12:34:39,026	- INFO - Iter 1400/10000, Loss: 1.3809
2025-03-18	12:34:39,430	- INFO - Iter 1410/10000, Loss: 1.3772
2025-03-18	12:34:39,822	- INFO - Iter 1420/10000, Loss: 1.3734
2025-03-18	12:34:40,218	- INFO - Iter 1430/10000, Loss: 1.3697
2025-03-18	12:34:40,616	- INFO - Iter 1440/10000, Loss: 1.3661
2025-03-18	12:34:41,013	- INFO - Iter 1450/10000, Loss: 1.3624
2025-03-18	12:34:41,412	- INFO - Iter 1460/10000, Loss: 1.3588
2025-03-18	12:34:41,801	- INFO - Iter 1470/10000, Loss: 1.3552
2025-03-18	12:34:42,202	- INFO - Iter 1480/10000, Loss: 1.3516
2025-03-18	12:34:42,598	- INFO - Iter 1490/10000, Loss: 1.3480
2025-03-18	12:34:42,989	- INFO - Iter 1500/10000, Loss: 1.3445
2025-03-18	12:34:43,390	- INFO - Iter 1510/10000, Loss: 1.3410
2025-03-18	12:34:43,779	- INFO - Iter 1520/10000, Loss: 1.3375
2025-03-18	12:34:44,171	- INFO - Iter 1530/10000, Loss: 1.3340
2025-03-18	12:34:44,566	- INFO - Iter 1540/10000, Loss: 1.3306
2025-03-18	12:34:44,966	- INFO - Iter 1550/10000, Loss: 1.3272
2025-03-18	12:34:45,374	- INFO - Iter 1560/10000, Loss: 1.3238
2025-03-18	12:34:45,768	- INFO - Iter 1570/10000, Loss: 1.3204
2025-03-18	12:34:46,159	- INFO - Iter 1580/10000, Loss: 1.3171
2025-03-18	12:34:46,553	- INFO - Iter 1590/10000, Loss: 1.3138
2025-03-18	12:34:46,951	- INFO - Iter 1600/10000, Loss: 1.3105
2025-03-18	12:34:47,353	- INFO - Iter 1610/10000, Loss: 1.3072
2025-03-18	12:34:47,753	- INFO - Iter 1620/10000, Loss: 1.3039
2025-03-18	12:34:48,147	- INFO - Iter 1630/10000, Loss: 1.3007
2025-03-18	12:34:48,543	- INFO - Iter 1640/10000, Loss: 1.2975
2025-03-18	12:34:48,934	- INFO - Iter 1650/10000, Loss: 1.2943
2025-03-18	12:34:49,332	- INFO - Iter 1660/10000, Loss: 1.2911
2025-03-18	12:34:49,719	- INFO - Iter 1670/10000, Loss: 1.2879
2025-03-18	12:34:50,128	- INFO - Iter 1680/10000, Loss: 1.2848
2025-03-18	12:34:50,520	- INFO - Iter 1690/10000, Loss: 1.2817
2025-03-18	12:34:50,918	- INFO - Iter 1700/10000, Loss: 1.2786

2025-03-18	12:34:51,318	- INFO - Iter 1710/10000, Loss: 1.2755
2025-03-18	12:34:51,714	- INFO - Iter 1720/10000, Loss: 1.2725
2025-03-18	12:34:52,109	- INFO - Iter 1730/10000, Loss: 1.2694
2025-03-18	12:34:52,508	- INFO - Iter 1740/10000, Loss: 1.2664
2025-03-18	12:34:52,907	- INFO - Iter 1750/10000, Loss: 1.2634
2025-03-18	12:34:53,306	- INFO - Iter 1760/10000, Loss: 1.2605
2025-03-18	12:34:53,704	- INFO - Iter 1770/10000, Loss: 1.2575
2025-03-18	12:34:54,099	- INFO - Iter 1780/10000, Loss: 1.2546
2025-03-18	12:34:54,497	- INFO - Iter 1790/10000, Loss: 1.2517
2025-03-18	12:34:54,889	- INFO - Iter 1800/10000, Loss: 1.2488
2025-03-18	12:34:55,288	- INFO - Iter 1810/10000, Loss: 1.2459
2025-03-18	12:34:55,694	- INFO - Iter 1820/10000, Loss: 1.2430
2025-03-18	12:34:56,086	- INFO - Iter 1830/10000, Loss: 1.2402
2025-03-18	12:34:56,483	- INFO - Iter 1840/10000, Loss: 1.2374
2025-03-18	12:34:56,880	- INFO - Iter 1850/10000, Loss: 1.2345
2025-03-18	12:34:57,276	- INFO - Iter 1860/10000, Loss: 1.2318
2025-03-18	12:34:57,673	- INFO - Iter 1870/10000, Loss: 1.2290
2025-03-18	12:34:58,067	- INFO - Iter 1880/10000, Loss: 1.2262
2025-03-18	12:34:58,461	- INFO - Iter 1890/10000, Loss: 1.2235
2025-03-18	12:34:58,851	- INFO - Iter 1900/10000, Loss: 1.2208
2025-03-18	12:34:59,245	- INFO - Iter 1910/10000, Loss: 1.2181
2025-03-18	12:34:59,642	- INFO - Iter 1920/10000, Loss: 1.2154
2025-03-18	12:35:00,036	- INFO - Iter 1930/10000, Loss: 1.2127
2025-03-18	12:35:00,434	- INFO - Iter 1940/10000, Loss: 1.2101
2025-03-18	12:35:00,833	- INFO - Iter 1950/10000, Loss: 1.2074
2025-03-18	12:35:01,242	- INFO - Iter 1960/10000, Loss: 1.2048
2025-03-18	12:35:01,640	- INFO - Iter 1970/10000, Loss: 1.2022
2025-03-18	12:35:02,038	- INFO - Iter 1980/10000, Loss: 1.1996
2025-03-18	12:35:02,435	- INFO - Iter 1990/10000, Loss: 1.1970
2025-03-18	12:35:02,829	- INFO - Iter 2000/10000, Loss: 1.1945
2025-03-18	12:35:03,233	- INFO - Iter 2010/10000, Loss: 1.1919
2025-03-18	12:35:03,629	- INFO - Iter 2020/10000, Loss: 1.1894
2025-03-18	12:35:04,019	- INFO - Iter 2030/10000, Loss: 1.1869
2025-03-18	12:35:04,420	- INFO - Iter 2040/10000, Loss: 1.1844
2025-03-18	12:35:04,812	- INFO - Iter 2050/10000, Loss: 1.1819
2025-03-18	12:35:05,204	- INFO - Iter 2060/10000, Loss: 1.1794
2025-03-18	12:35:05,610	- INFO - Iter 2070/10000, Loss: 1.1770
2025-03-18	12:35:06,005	- INFO - Iter 2080/10000, Loss: 1.1746
2025-03-18	12:35:06,397	- INFO - Iter 2090/10000, Loss: 1.1721
2025-03-18	12:35:06,797	- INFO - Iter 2100/10000, Loss: 1.1697
2025-03-18	12:35:07,194	- INFO - Iter 2110/10000, Loss: 1.1673
2025-03-18	12:35:07,607	- INFO - Iter 2120/10000, Loss: 1.1649
2025-03-18	12:35:08,019	- INFO - Iter 2130/10000, Loss: 1.1626
2025-03-18	12:35:08,440	- INFO - Iter 2140/10000, Loss: 1.1602
2025-03-18	12:35:08,832	- INFO - Iter 2150/10000, Loss: 1.1579
2025-03-18	12:35:09,221	- INFO - Iter 2160/10000, Loss: 1.1556
2025-03-18	12:35:09,611	- INFO - Iter 2170/10000, Loss: 1.1533
2025-03-18	12:35:09,999	- INFO - Iter 2180/10000, Loss: 1.1510
2025-03-18	12:35:10,392	- INFO - Iter 2190/10000, Loss: 1.1487
2025-03-18	12:35:10,793	- INFO - Iter 2200/10000, Loss: 1.1464
2025-03-18	12:35:11,185	- INFO - Iter 2210/10000, Loss: 1.1442
2025-03-18	12:35:11,577	- INFO - Iter 2220/10000, Loss: 1.1419
2025-03-18	12:35:11,967	- INFO - Iter 2230/10000, Loss: 1.1397
2025-03-18	12:35:12,352	- INFO - Iter 2240/10000, Loss: 1.1375
2025-03-18	12:35:12,739	- INFO - Iter 2250/10000, Loss: 1.1353
2025-03-18	12:35:13,124	- INFO - Iter 2260/10000, Loss: 1.1331
2025-03-18	12:35:13,514	- INFO - Iter 2270/10000, Loss: 1.1309
2025-03-18	12:35:13,902	- INFO - Iter 2280/10000, Loss: 1.1287
2025-03-18	12:35:14,298	- INFO - Iter 2290/10000, Loss: 1.1266
2025-03-18	12:35:14,681	- INFO - Iter 2300/10000, Loss: 1.1244
2025-03-18	12:35:15,065	- INFO - Iter 2310/10000, Loss: 1.1223
2025-03-18	12:35:15,453	- INFO - Iter 2320/10000, Loss: 1.1202
2025-03-18	12:35:15,850	- INFO - Iter 2330/10000, Loss: 1.1181
2025-03-18	12:35:16,242	- INFO - Iter 2340/10000, Loss: 1.1160
2025-03-18	12:35:16,636	- INFO - Iter 2350/10000, Loss: 1.1139
2025-03-18	12:35:17,022	- INFO - Iter 2360/10000, Loss: 1.1118
2025-03-18	12:35:17,411	- INFO - Iter 2370/10000, Loss: 1.1097
2025-03-18	12:35:17,802	- INFO - Iter 2380/10000, Loss: 1.1077
2025-03-18	12:35:18,187	- INFO - Iter 2390/10000, Loss: 1.1057
2025-03-18	12:35:18,574	- INFO - Iter 2400/10000, Loss: 1.1036
2025-03-18	12:35:18,961	- INFO - Iter 2410/10000, Loss: 1.1016
2025-03-18	12:35:19,349	- INFO - Iter 2420/10000, Loss: 1.0996

2025-03-18	12:35:19,736	- INFO - Iter	2430/10000,	Loss: 1.0976
2025-03-18	12:35:20,126	- INFO - Iter	2440/10000,	Loss: 1.0956
2025-03-18	12:35:20,516	- INFO - Iter	2450/10000,	Loss: 1.0937
2025-03-18	12:35:20,900	- INFO - Iter	2460/10000,	Loss: 1.0917
2025-03-18	12:35:21,297	- INFO - Iter	2470/10000,	Loss: 1.0898
2025-03-18	12:35:21,679	- INFO - Iter	2480/10000,	Loss: 1.0878
2025-03-18	12:35:22,066	- INFO - Iter	2490/10000,	Loss: 1.0859
2025-03-18	12:35:22,454	- INFO - Iter	2500/10000,	Loss: 1.0840
2025-03-18	12:35:22,840	- INFO - Iter	2510/10000,	Loss: 1.0821
2025-03-18	12:35:23,225	- INFO - Iter	2520/10000,	Loss: 1.0802
2025-03-18	12:35:23,613	- INFO - Iter	2530/10000,	Loss: 1.0783
2025-03-18	12:35:24,001	- INFO - Iter	2540/10000,	Loss: 1.0764
2025-03-18	12:35:24,395	- INFO - Iter	2550/10000,	Loss: 1.0745
2025-03-18	12:35:24,782	- INFO - Iter	2560/10000,	Loss: 1.0727
2025-03-18	12:35:25,177	- INFO - Iter	2570/10000,	Loss: 1.0708
2025-03-18	12:35:25,563	- INFO - Iter	2580/10000,	Loss: 1.0690
2025-03-18	12:35:26,051	- INFO - Iter	2590/10000,	Loss: 1.0672
2025-03-18	12:35:26,443	- INFO - Iter	2600/10000,	Loss: 1.0654
2025-03-18	12:35:26,846	- INFO - Iter	2610/10000,	Loss: 1.0635
2025-03-18	12:35:27,235	- INFO - Iter	2620/10000,	Loss: 1.0617
2025-03-18	12:35:27,625	- INFO - Iter	2630/10000,	Loss: 1.0600
2025-03-18	12:35:28,015	- INFO - Iter	2640/10000,	Loss: 1.0582
2025-03-18	12:35:28,405	- INFO - Iter	2650/10000,	Loss: 1.0564
2025-03-18	12:35:28,793	- INFO - Iter	2660/10000,	Loss: 1.0546
2025-03-18	12:35:29,183	- INFO - Iter	2670/10000,	Loss: 1.0529
2025-03-18	12:35:29,574	- INFO - Iter	2680/10000,	Loss: 1.0511
2025-03-18	12:35:29,965	- INFO - Iter	2690/10000,	Loss: 1.0494
2025-03-18	12:35:30,358	- INFO - Iter	2700/10000,	Loss: 1.0477
2025-03-18	12:35:30,746	- INFO - Iter	2710/10000,	Loss: 1.0460
2025-03-18	12:35:31,136	- INFO - Iter	2720/10000,	Loss: 1.0443
2025-03-18	12:35:31,522	- INFO - Iter	2730/10000,	Loss: 1.0426
2025-03-18	12:35:31,909	- INFO - Iter	2740/10000,	Loss: 1.0409
2025-03-18	12:35:32,301	- INFO - Iter	2750/10000,	Loss: 1.0392
2025-03-18	12:35:32,692	- INFO - Iter	2760/10000,	Loss: 1.0375
2025-03-18	12:35:33,077	- INFO - Iter	2770/10000,	Loss: 1.0359
2025-03-18	12:35:33,466	- INFO - Iter	2780/10000,	Loss: 1.0342
2025-03-18	12:35:33,853	- INFO - Iter	2790/10000,	Loss: 1.0326
2025-03-18	12:35:34,236	- INFO - Iter	2800/10000,	Loss: 1.0309
2025-03-18	12:35:34,627	- INFO - Iter	2810/10000,	Loss: 1.0293
2025-03-18	12:35:35,015	- INFO - Iter	2820/10000,	Loss: 1.0277
2025-03-18	12:35:35,403	- INFO - Iter	2830/10000,	Loss: 1.0260
2025-03-18	12:35:35,802	- INFO - Iter	2840/10000,	Loss: 1.0244
2025-03-18	12:35:36,209	- INFO - Iter	2850/10000,	Loss: 1.0228
2025-03-18	12:35:36,598	- INFO - Iter	2860/10000,	Loss: 1.0213
2025-03-18	12:35:36,992	- INFO - Iter	2870/10000,	Loss: 1.0197
2025-03-18	12:35:37,380	- INFO - Iter	2880/10000,	Loss: 1.0181
2025-03-18	12:35:37,765	- INFO - Iter	2890/10000,	Loss: 1.0165
2025-03-18	12:35:38,150	- INFO - Iter	2900/10000,	Loss: 1.0150
2025-03-18	12:35:38,538	- INFO - Iter	2910/10000,	Loss: 1.0134
2025-03-18	12:35:38,926	- INFO - Iter	2920/10000,	Loss: 1.0119
2025-03-18	12:35:39,319	- INFO - Iter	2930/10000,	Loss: 1.0103
2025-03-18	12:35:39,707	- INFO - Iter	2940/10000,	Loss: 1.0088
2025-03-18	12:35:40,095	- INFO - Iter	2950/10000,	Loss: 1.0073
2025-03-18	12:35:40,485	- INFO - Iter	2960/10000,	Loss: 1.0058
2025-03-18	12:35:40,875	- INFO - Iter	2970/10000,	Loss: 1.0043
2025-03-18	12:35:41,264	- INFO - Iter	2980/10000,	Loss: 1.0028
2025-03-18	12:35:41,651	- INFO - Iter	2990/10000,	Loss: 1.0013
2025-03-18	12:35:42,040	- INFO - Iter	3000/10000,	Loss: 0.9998
2025-03-18	12:35:42,429	- INFO - Iter	3010/10000,	Loss: 0.9983
2025-03-18	12:35:42,812	- INFO - Iter	3020/10000,	Loss: 0.9968
2025-03-18	12:35:43,198	- INFO - Iter	3030/10000,	Loss: 0.9954
2025-03-18	12:35:43,586	- INFO - Iter	3040/10000,	Loss: 0.9939
2025-03-18	12:35:43,975	- INFO - Iter	3050/10000,	Loss: 0.9925
2025-03-18	12:35:44,366	- INFO - Iter	3060/10000,	Loss: 0.9910
2025-03-18	12:35:44,759	- INFO - Iter	3070/10000,	Loss: 0.9896
2025-03-18	12:35:45,147	- INFO - Iter	3080/10000,	Loss: 0.9882
2025-03-18	12:35:45,530	- INFO - Iter	3090/10000,	Loss: 0.9867
2025-03-18	12:35:45,918	- INFO - Iter	3100/10000,	Loss: 0.9853
2025-03-18	12:35:46,318	- INFO - Iter	3110/10000,	Loss: 0.9839
2025-03-18	12:35:46,705	- INFO - Iter	3120/10000,	Loss: 0.9825
2025-03-18	12:35:47,093	- INFO - Iter	3130/10000,	Loss: 0.9811
2025-03-18	12:35:47,481	- INFO - Iter	3140/10000,	Loss: 0.9797

2025-03-18	12:35:47,866	- INFO - Iter 3150/10000, Loss: 0.9783
2025-03-18	12:35:48,250	- INFO - Iter 3160/10000, Loss: 0.9770
2025-03-18	12:35:48,638	- INFO - Iter 3170/10000, Loss: 0.9756
2025-03-18	12:35:49,025	- INFO - Iter 3180/10000, Loss: 0.9742
2025-03-18	12:35:49,413	- INFO - Iter 3190/10000, Loss: 0.9729
2025-03-18	12:35:49,802	- INFO - Iter 3200/10000, Loss: 0.9715
2025-03-18	12:35:50,192	- INFO - Iter 3210/10000, Loss: 0.9702
2025-03-18	12:35:50,584	- INFO - Iter 3220/10000, Loss: 0.9688
2025-03-18	12:35:50,972	- INFO - Iter 3230/10000, Loss: 0.9675
2025-03-18	12:35:51,379	- INFO - Iter 3240/10000, Loss: 0.9662
2025-03-18	12:35:51,767	- INFO - Iter 3250/10000, Loss: 0.9649
2025-03-18	12:35:52,189	- INFO - Iter 3260/10000, Loss: 0.9635
2025-03-18	12:35:52,618	- INFO - Iter 3270/10000, Loss: 0.9622
2025-03-18	12:35:53,062	- INFO - Iter 3280/10000, Loss: 0.9609
2025-03-18	12:35:53,501	- INFO - Iter 3290/10000, Loss: 0.9596
2025-03-18	12:35:53,989	- INFO - Iter 3300/10000, Loss: 0.9583
2025-03-18	12:35:54,391	- INFO - Iter 3310/10000, Loss: 0.9571
2025-03-18	12:35:54,783	- INFO - Iter 3320/10000, Loss: 0.9558
2025-03-18	12:35:55,168	- INFO - Iter 3330/10000, Loss: 0.9545
2025-03-18	12:35:55,556	- INFO - Iter 3340/10000, Loss: 0.9532
2025-03-18	12:35:55,940	- INFO - Iter 3350/10000, Loss: 0.9520
2025-03-18	12:35:56,329	- INFO - Iter 3360/10000, Loss: 0.9507
2025-03-18	12:35:56,723	- INFO - Iter 3370/10000, Loss: 0.9495
2025-03-18	12:35:57,114	- INFO - Iter 3380/10000, Loss: 0.9482
2025-03-18	12:35:57,501	- INFO - Iter 3390/10000, Loss: 0.9470
2025-03-18	12:35:57,886	- INFO - Iter 3400/10000, Loss: 0.9457
2025-03-18	12:35:58,274	- INFO - Iter 3410/10000, Loss: 0.9445
2025-03-18	12:35:58,659	- INFO - Iter 3420/10000, Loss: 0.9433
2025-03-18	12:35:59,043	- INFO - Iter 3430/10000, Loss: 0.9421
2025-03-18	12:35:59,431	- INFO - Iter 3440/10000, Loss: 0.9409
2025-03-18	12:35:59,816	- INFO - Iter 3450/10000, Loss: 0.9397
2025-03-18	12:36:00,200	- INFO - Iter 3460/10000, Loss: 0.9384
2025-03-18	12:36:00,591	- INFO - Iter 3470/10000, Loss: 0.9373
2025-03-18	12:36:00,975	- INFO - Iter 3480/10000, Loss: 0.9361
2025-03-18	12:36:01,364	- INFO - Iter 3490/10000, Loss: 0.9349
2025-03-18	12:36:01,752	- INFO - Iter 3500/10000, Loss: 0.9337
2025-03-18	12:36:02,136	- INFO - Iter 3510/10000, Loss: 0.9325
2025-03-18	12:36:02,526	- INFO - Iter 3520/10000, Loss: 0.9313
2025-03-18	12:36:02,920	- INFO - Iter 3530/10000, Loss: 0.9302
2025-03-18	12:36:03,315	- INFO - Iter 3540/10000, Loss: 0.9290
2025-03-18	12:36:03,717	- INFO - Iter 3550/10000, Loss: 0.9279
2025-03-18	12:36:04,126	- INFO - Iter 3560/10000, Loss: 0.9267
2025-03-18	12:36:04,532	- INFO - Iter 3570/10000, Loss: 0.9256
2025-03-18	12:36:04,925	- INFO - Iter 3580/10000, Loss: 0.9244
2025-03-18	12:36:05,327	- INFO - Iter 3590/10000, Loss: 0.9233
2025-03-18	12:36:05,718	- INFO - Iter 3600/10000, Loss: 0.9221
2025-03-18	12:36:06,115	- INFO - Iter 3610/10000, Loss: 0.9210
2025-03-18	12:36:06,517	- INFO - Iter 3620/10000, Loss: 0.9199
2025-03-18	12:36:06,933	- INFO - Iter 3630/10000, Loss: 0.9188
2025-03-18	12:36:07,392	- INFO - Iter 3640/10000, Loss: 0.9177
2025-03-18	12:36:07,797	- INFO - Iter 3650/10000, Loss: 0.9165
2025-03-18	12:36:08,211	- INFO - Iter 3660/10000, Loss: 0.9154
2025-03-18	12:36:08,608	- INFO - Iter 3670/10000, Loss: 0.9143
2025-03-18	12:36:08,993	- INFO - Iter 3680/10000, Loss: 0.9132
2025-03-18	12:36:09,384	- INFO - Iter 3690/10000, Loss: 0.9122
2025-03-18	12:36:09,775	- INFO - Iter 3700/10000, Loss: 0.9111
2025-03-18	12:36:10,166	- INFO - Iter 3710/10000, Loss: 0.9100
2025-03-18	12:36:10,565	- INFO - Iter 3720/10000, Loss: 0.9089
2025-03-18	12:36:10,959	- INFO - Iter 3730/10000, Loss: 0.9078
2025-03-18	12:36:11,351	- INFO - Iter 3740/10000, Loss: 0.9068
2025-03-18	12:36:11,741	- INFO - Iter 3750/10000, Loss: 0.9057
2025-03-18	12:36:12,133	- INFO - Iter 3760/10000, Loss: 0.9046
2025-03-18	12:36:12,528	- INFO - Iter 3770/10000, Loss: 0.9036
2025-03-18	12:36:12,917	- INFO - Iter 3780/10000, Loss: 0.9025
2025-03-18	12:36:13,335	- INFO - Iter 3790/10000, Loss: 0.9015
2025-03-18	12:36:13,723	- INFO - Iter 3800/10000, Loss: 0.9004
2025-03-18	12:36:14,114	- INFO - Iter 3810/10000, Loss: 0.8994
2025-03-18	12:36:14,502	- INFO - Iter 3820/10000, Loss: 0.8984
2025-03-18	12:36:14,894	- INFO - Iter 3830/10000, Loss: 0.8973
2025-03-18	12:36:15,288	- INFO - Iter 3840/10000, Loss: 0.8963
2025-03-18	12:36:15,682	- INFO - Iter 3850/10000, Loss: 0.8953
2025-03-18	12:36:16,069	- INFO - Iter 3860/10000, Loss: 0.8943



2025-03-18	12:36:16,465	- INFO - Iter 3870/10000, Loss: 0.8933
2025-03-18	12:36:16,877	- INFO - Iter 3880/10000, Loss: 0.8923
2025-03-18	12:36:17,299	- INFO - Iter 3890/10000, Loss: 0.8912
2025-03-18	12:36:17,696	- INFO - Iter 3900/10000, Loss: 0.8902
2025-03-18	12:36:18,087	- INFO - Iter 3910/10000, Loss: 0.8892
2025-03-18	12:36:18,485	- INFO - Iter 3920/10000, Loss: 0.8883
2025-03-18	12:36:18,873	- INFO - Iter 3930/10000, Loss: 0.8873
2025-03-18	12:36:19,263	- INFO - Iter 3940/10000, Loss: 0.8863
2025-03-18	12:36:19,652	- INFO - Iter 3950/10000, Loss: 0.8853
2025-03-18	12:36:20,043	- INFO - Iter 3960/10000, Loss: 0.8843
2025-03-18	12:36:20,437	- INFO - Iter 3970/10000, Loss: 0.8833
2025-03-18	12:36:20,821	- INFO - Iter 3980/10000, Loss: 0.8824
2025-03-18	12:36:21,213	- INFO - Iter 3990/10000, Loss: 0.8814
2025-03-18	12:36:21,604	- INFO - Iter 4000/10000, Loss: 0.8804
2025-03-18	12:36:21,997	- INFO - Iter 4010/10000, Loss: 0.8795
2025-03-18	12:36:22,399	- INFO - Iter 4020/10000, Loss: 0.8785
2025-03-18	12:36:22,790	- INFO - Iter 4030/10000, Loss: 0.8776
2025-03-18	12:36:23,201	- INFO - Iter 4040/10000, Loss: 0.8766
2025-03-18	12:36:23,601	- INFO - Iter 4050/10000, Loss: 0.8757
2025-03-18	12:36:23,997	- INFO - Iter 4060/10000, Loss: 0.8747
2025-03-18	12:36:24,392	- INFO - Iter 4070/10000, Loss: 0.8738
2025-03-18	12:36:24,782	- INFO - Iter 4080/10000, Loss: 0.8729
2025-03-18	12:36:25,176	- INFO - Iter 4090/10000, Loss: 0.8719
2025-03-18	12:36:25,567	- INFO - Iter 4100/10000, Loss: 0.8710
2025-03-18	12:36:25,962	- INFO - Iter 4110/10000, Loss: 0.8701
2025-03-18	12:36:26,367	- INFO - Iter 4120/10000, Loss: 0.8692
2025-03-18	12:36:26,761	- INFO - Iter 4130/10000, Loss: 0.8682
2025-03-18	12:36:27,165	- INFO - Iter 4140/10000, Loss: 0.8673
2025-03-18	12:36:27,575	- INFO - Iter 4150/10000, Loss: 0.8664
2025-03-18	12:36:27,967	- INFO - Iter 4160/10000, Loss: 0.8655
2025-03-18	12:36:28,368	- INFO - Iter 4170/10000, Loss: 0.8646
2025-03-18	12:36:28,758	- INFO - Iter 4180/10000, Loss: 0.8637
2025-03-18	12:36:29,144	- INFO - Iter 4190/10000, Loss: 0.8628
2025-03-18	12:36:29,535	- INFO - Iter 4200/10000, Loss: 0.8619
2025-03-18	12:36:29,925	- INFO - Iter 4210/10000, Loss: 0.8610
2025-03-18	12:36:30,314	- INFO - Iter 4220/10000, Loss: 0.8602
2025-03-18	12:36:30,704	- INFO - Iter 4230/10000, Loss: 0.8593
2025-03-18	12:36:31,102	- INFO - Iter 4240/10000, Loss: 0.8584
2025-03-18	12:36:31,505	- INFO - Iter 4250/10000, Loss: 0.8575
2025-03-18	12:36:31,897	- INFO - Iter 4260/10000, Loss: 0.8566
2025-03-18	12:36:32,287	- INFO - Iter 4270/10000, Loss: 0.8558
2025-03-18	12:36:32,677	- INFO - Iter 4280/10000, Loss: 0.8549
2025-03-18	12:36:33,071	- INFO - Iter 4290/10000, Loss: 0.8540
2025-03-18	12:36:33,465	- INFO - Iter 4300/10000, Loss: 0.8532
2025-03-18	12:36:33,859	- INFO - Iter 4310/10000, Loss: 0.8523
2025-03-18	12:36:34,245	- INFO - Iter 4320/10000, Loss: 0.8515
2025-03-18	12:36:34,641	- INFO - Iter 4330/10000, Loss: 0.8506
2025-03-18	12:36:35,029	- INFO - Iter 4340/10000, Loss: 0.8498
2025-03-18	12:36:35,423	- INFO - Iter 4350/10000, Loss: 0.8489
2025-03-18	12:36:35,816	- INFO - Iter 4360/10000, Loss: 0.8481
2025-03-18	12:36:36,208	- INFO - Iter 4370/10000, Loss: 0.8472
2025-03-18	12:36:36,596	- INFO - Iter 4380/10000, Loss: 0.8464
2025-03-18	12:36:36,983	- INFO - Iter 4390/10000, Loss: 0.8456
2025-03-18	12:36:37,408	- INFO - Iter 4400/10000, Loss: 0.8447
2025-03-18	12:36:37,796	- INFO - Iter 4410/10000, Loss: 0.8439
2025-03-18	12:36:38,185	- INFO - Iter 4420/10000, Loss: 0.8431
2025-03-18	12:36:38,573	- INFO - Iter 4430/10000, Loss: 0.8423
2025-03-18	12:36:38,961	- INFO - Iter 4440/10000, Loss: 0.8415
2025-03-18	12:36:39,350	- INFO - Iter 4450/10000, Loss: 0.8406
2025-03-18	12:36:39,748	- INFO - Iter 4460/10000, Loss: 0.8398
2025-03-18	12:36:40,150	- INFO - Iter 4470/10000, Loss: 0.8390
2025-03-18	12:36:40,556	- INFO - Iter 4480/10000, Loss: 0.8382
2025-03-18	12:36:40,952	- INFO - Iter 4490/10000, Loss: 0.8374
2025-03-18	12:36:41,347	- INFO - Iter 4500/10000, Loss: 0.8366
2025-03-18	12:36:41,743	- INFO - Iter 4510/10000, Loss: 0.8358
2025-03-18	12:36:42,147	- INFO - Iter 4520/10000, Loss: 0.8350
2025-03-18	12:36:42,551	- INFO - Iter 4530/10000, Loss: 0.8342
2025-03-18	12:36:42,939	- INFO - Iter 4540/10000, Loss: 0.8334
2025-03-18	12:36:43,343	- INFO - Iter 4550/10000, Loss: 0.8326
2025-03-18	12:36:43,734	- INFO - Iter 4560/10000, Loss: 0.8319
2025-03-18	12:36:44,150	- INFO - Iter 4570/10000, Loss: 0.8311
2025-03-18	12:36:44,539	- INFO - Iter 4580/10000, Loss: 0.8303



2025-03-18	12:36:44,932	- INFO - Iter 4590/10000, Loss: 0.8295
2025-03-18	12:36:45,336	- INFO - Iter 4600/10000, Loss: 0.8288
2025-03-18	12:36:45,735	- INFO - Iter 4610/10000, Loss: 0.8280
2025-03-18	12:36:46,124	- INFO - Iter 4620/10000, Loss: 0.8272
2025-03-18	12:36:46,513	- INFO - Iter 4630/10000, Loss: 0.8264
2025-03-18	12:36:46,910	- INFO - Iter 4640/10000, Loss: 0.8257
2025-03-18	12:36:47,314	- INFO - Iter 4650/10000, Loss: 0.8249
2025-03-18	12:36:47,705	- INFO - Iter 4660/10000, Loss: 0.8242
2025-03-18	12:36:48,093	- INFO - Iter 4670/10000, Loss: 0.8234
2025-03-18	12:36:48,482	- INFO - Iter 4680/10000, Loss: 0.8227
2025-03-18	12:36:48,872	- INFO - Iter 4690/10000, Loss: 0.8219
2025-03-18	12:36:49,258	- INFO - Iter 4700/10000, Loss: 0.8212
2025-03-18	12:36:49,644	- INFO - Iter 4710/10000, Loss: 0.8204
2025-03-18	12:36:50,032	- INFO - Iter 4720/10000, Loss: 0.8197
2025-03-18	12:36:50,427	- INFO - Iter 4730/10000, Loss: 0.8189
2025-03-18	12:36:50,828	- INFO - Iter 4740/10000, Loss: 0.8182
2025-03-18	12:36:51,212	- INFO - Iter 4750/10000, Loss: 0.8175
2025-03-18	12:36:51,603	- INFO - Iter 4760/10000, Loss: 0.8167
2025-03-18	12:36:51,990	- INFO - Iter 4770/10000, Loss: 0.8160
2025-03-18	12:36:52,380	- INFO - Iter 4780/10000, Loss: 0.8153
2025-03-18	12:36:52,763	- INFO - Iter 4790/10000, Loss: 0.8145
2025-03-18	12:36:53,160	- INFO - Iter 4800/10000, Loss: 0.8138
2025-03-18	12:36:53,550	- INFO - Iter 4810/10000, Loss: 0.8131
2025-03-18	12:36:53,948	- INFO - Iter 4820/10000, Loss: 0.8124
2025-03-18	12:36:54,347	- INFO - Iter 4830/10000, Loss: 0.8117
2025-03-18	12:36:54,737	- INFO - Iter 4840/10000, Loss: 0.8110
2025-03-18	12:36:55,125	- INFO - Iter 4850/10000, Loss: 0.8102
2025-03-18	12:36:55,515	- INFO - Iter 4860/10000, Loss: 0.8095
2025-03-18	12:36:55,909	- INFO - Iter 4870/10000, Loss: 0.8088
2025-03-18	12:36:56,309	- INFO - Iter 4880/10000, Loss: 0.8081
2025-03-18	12:36:56,695	- INFO - Iter 4890/10000, Loss: 0.8074
2025-03-18	12:36:57,084	- INFO - Iter 4900/10000, Loss: 0.8067
2025-03-18	12:36:57,486	- INFO - Iter 4910/10000, Loss: 0.8060
2025-03-18	12:36:57,882	- INFO - Iter 4920/10000, Loss: 0.8053
2025-03-18	12:36:58,268	- INFO - Iter 4930/10000, Loss: 0.8046
2025-03-18	12:36:58,661	- INFO - Iter 4940/10000, Loss: 0.8040
2025-03-18	12:36:59,050	- INFO - Iter 4950/10000, Loss: 0.8033
2025-03-18	12:36:59,445	- INFO - Iter 4960/10000, Loss: 0.8026
2025-03-18	12:36:59,849	- INFO - Iter 4970/10000, Loss: 0.8019
2025-03-18	12:37:00,246	- INFO - Iter 4980/10000, Loss: 0.8012
2025-03-18	12:37:00,656	- INFO - Iter 4990/10000, Loss: 0.8005
2025-03-18	12:37:01,050	- INFO - Iter 5000/10000, Loss: 0.7999
2025-03-18	12:37:01,448	- INFO - Iter 5010/10000, Loss: 0.7992
2025-03-18	12:37:01,834	- INFO - Iter 5020/10000, Loss: 0.7985
2025-03-18	12:37:02,217	- INFO - Iter 5030/10000, Loss: 0.7978
2025-03-18	12:37:02,606	- INFO - Iter 5040/10000, Loss: 0.7972
2025-03-18	12:37:02,992	- INFO - Iter 5050/10000, Loss: 0.7965
2025-03-18	12:37:03,380	- INFO - Iter 5060/10000, Loss: 0.7958
2025-03-18	12:37:03,778	- INFO - Iter 5070/10000, Loss: 0.7952
2025-03-18	12:37:04,162	- INFO - Iter 5080/10000, Loss: 0.7945
2025-03-18	12:37:04,577	- INFO - Iter 5090/10000, Loss: 0.7939
2025-03-18	12:37:04,964	- INFO - Iter 5100/10000, Loss: 0.7932
2025-03-18	12:37:05,355	- INFO - Iter 5110/10000, Loss: 0.7926
2025-03-18	12:37:05,740	- INFO - Iter 5120/10000, Loss: 0.7919
2025-03-18	12:37:06,127	- INFO - Iter 5130/10000, Loss: 0.7913
2025-03-18	12:37:06,520	- INFO - Iter 5140/10000, Loss: 0.7906
2025-03-18	12:37:06,908	- INFO - Iter 5150/10000, Loss: 0.7900
2025-03-18	12:37:07,300	- INFO - Iter 5160/10000, Loss: 0.7893
2025-03-18	12:37:07,700	- INFO - Iter 5170/10000, Loss: 0.7887
2025-03-18	12:37:08,098	- INFO - Iter 5180/10000, Loss: 0.7880
2025-03-18	12:37:08,489	- INFO - Iter 5190/10000, Loss: 0.7874
2025-03-18	12:37:08,882	- INFO - Iter 5200/10000, Loss: 0.7868
2025-03-18	12:37:09,270	- INFO - Iter 5210/10000, Loss: 0.7861
2025-03-18	12:37:09,665	- INFO - Iter 5220/10000, Loss: 0.7855
2025-03-18	12:37:10,060	- INFO - Iter 5230/10000, Loss: 0.7849
2025-03-18	12:37:10,449	- INFO - Iter 5240/10000, Loss: 0.7842
2025-03-18	12:37:10,842	- INFO - Iter 5250/10000, Loss: 0.7836
2025-03-18	12:37:11,239	- INFO - Iter 5260/10000, Loss: 0.7830
2025-03-18	12:37:11,631	- INFO - Iter 5270/10000, Loss: 0.7824
2025-03-18	12:37:12,022	- INFO - Iter 5280/10000, Loss: 0.7818
2025-03-18	12:37:12,422	- INFO - Iter 5290/10000, Loss: 0.7811
2025-03-18	12:37:12,822	- INFO - Iter 5300/10000, Loss: 0.7805

2025-03-18	12:37:13,211	- INFO - Iter 5310/10000, Loss: 0.7799
2025-03-18	12:37:13,600	- INFO - Iter 5320/10000, Loss: 0.7793
2025-03-18	12:37:13,987	- INFO - Iter 5330/10000, Loss: 0.7787
2025-03-18	12:37:14,378	- INFO - Iter 5340/10000, Loss: 0.7781
2025-03-18	12:37:14,765	- INFO - Iter 5350/10000, Loss: 0.7775
2025-03-18	12:37:15,160	- INFO - Iter 5360/10000, Loss: 0.7769
2025-03-18	12:37:15,552	- INFO - Iter 5370/10000, Loss: 0.7763
2025-03-18	12:37:15,934	- INFO - Iter 5380/10000, Loss: 0.7757
2025-03-18	12:37:16,326	- INFO - Iter 5390/10000, Loss: 0.7751
2025-03-18	12:37:16,717	- INFO - Iter 5400/10000, Loss: 0.7745
2025-03-18	12:37:17,103	- INFO - Iter 5410/10000, Loss: 0.7739
2025-03-18	12:37:17,490	- INFO - Iter 5420/10000, Loss: 0.7733
2025-03-18	12:37:17,894	- INFO - Iter 5430/10000, Loss: 0.7727
2025-03-18	12:37:18,288	- INFO - Iter 5440/10000, Loss: 0.7721
2025-03-18	12:37:18,677	- INFO - Iter 5450/10000, Loss: 0.7715
2025-03-18	12:37:19,079	- INFO - Iter 5460/10000, Loss: 0.7709
2025-03-18	12:37:19,488	- INFO - Iter 5470/10000, Loss: 0.7703
2025-03-18	12:37:19,882	- INFO - Iter 5480/10000, Loss: 0.7697
2025-03-18	12:37:20,292	- INFO - Iter 5490/10000, Loss: 0.7692
2025-03-18	12:37:20,677	- INFO - Iter 5500/10000, Loss: 0.7686
2025-03-18	12:37:21,063	- INFO - Iter 5510/10000, Loss: 0.7680
2025-03-18	12:37:21,453	- INFO - Iter 5520/10000, Loss: 0.7674
2025-03-18	12:37:21,841	- INFO - Iter 5530/10000, Loss: 0.7668
2025-03-18	12:37:22,233	- INFO - Iter 5540/10000, Loss: 0.7663
2025-03-18	12:37:22,622	- INFO - Iter 5550/10000, Loss: 0.7657
2025-03-18	12:37:23,021	- INFO - Iter 5560/10000, Loss: 0.7651
2025-03-18	12:37:23,418	- INFO - Iter 5570/10000, Loss: 0.7646
2025-03-18	12:37:23,831	- INFO - Iter 5580/10000, Loss: 0.7640
2025-03-18	12:37:24,226	- INFO - Iter 5590/10000, Loss: 0.7634
2025-03-18	12:37:24,616	- INFO - Iter 5600/10000, Loss: 0.7629
2025-03-18	12:37:25,004	- INFO - Iter 5610/10000, Loss: 0.7623
2025-03-18	12:37:25,394	- INFO - Iter 5620/10000, Loss: 0.7617
2025-03-18	12:37:25,781	- INFO - Iter 5630/10000, Loss: 0.7612
2025-03-18	12:37:26,169	- INFO - Iter 5640/10000, Loss: 0.7606
2025-03-18	12:37:26,553	- INFO - Iter 5650/10000, Loss: 0.7601
2025-03-18	12:37:26,940	- INFO - Iter 5660/10000, Loss: 0.7595
2025-03-18	12:37:27,330	- INFO - Iter 5670/10000, Loss: 0.7590
2025-03-18	12:37:27,715	- INFO - Iter 5680/10000, Loss: 0.7584
2025-03-18	12:37:28,111	- INFO - Iter 5690/10000, Loss: 0.7579
2025-03-18	12:37:28,502	- INFO - Iter 5700/10000, Loss: 0.7573
2025-03-18	12:37:28,892	- INFO - Iter 5710/10000, Loss: 0.7568
2025-03-18	12:37:29,280	- INFO - Iter 5720/10000, Loss: 0.7562
2025-03-18	12:37:29,690	- INFO - Iter 5730/10000, Loss: 0.7557
2025-03-18	12:37:30,087	- INFO - Iter 5740/10000, Loss: 0.7551
2025-03-18	12:37:30,483	- INFO - Iter 5750/10000, Loss: 0.7546
2025-03-18	12:37:30,879	- INFO - Iter 5760/10000, Loss: 0.7541
2025-03-18	12:37:31,277	- INFO - Iter 5770/10000, Loss: 0.7535
2025-03-18	12:37:31,672	- INFO - Iter 5780/10000, Loss: 0.7530
2025-03-18	12:37:32,065	- INFO - Iter 5790/10000, Loss: 0.7525
2025-03-18	12:37:32,462	- INFO - Iter 5800/10000, Loss: 0.7519
2025-03-18	12:37:32,849	- INFO - Iter 5810/10000, Loss: 0.7514
2025-03-18	12:37:33,239	- INFO - Iter 5820/10000, Loss: 0.7509
2025-03-18	12:37:33,639	- INFO - Iter 5830/10000, Loss: 0.7503
2025-03-18	12:37:34,031	- INFO - Iter 5840/10000, Loss: 0.7498
2025-03-18	12:37:34,424	- INFO - Iter 5850/10000, Loss: 0.7493
2025-03-18	12:37:34,807	- INFO - Iter 5860/10000, Loss: 0.7488
2025-03-18	12:37:35,193	- INFO - Iter 5870/10000, Loss: 0.7482
2025-03-18	12:37:35,606	- INFO - Iter 5880/10000, Loss: 0.7477
2025-03-18	12:37:36,000	- INFO - Iter 5890/10000, Loss: 0.7472
2025-03-18	12:37:36,395	- INFO - Iter 5900/10000, Loss: 0.7467
2025-03-18	12:37:36,795	- INFO - Iter 5910/10000, Loss: 0.7462
2025-03-18	12:37:37,200	- INFO - Iter 5920/10000, Loss: 0.7457
2025-03-18	12:37:37,600	- INFO - Iter 5930/10000, Loss: 0.7451
2025-03-18	12:37:37,989	- INFO - Iter 5940/10000, Loss: 0.7446
2025-03-18	12:37:38,421	- INFO - Iter 5950/10000, Loss: 0.7441
2025-03-18	12:37:38,808	- INFO - Iter 5960/10000, Loss: 0.7436
2025-03-18	12:37:39,200	- INFO - Iter 5970/10000, Loss: 0.7431
2025-03-18	12:37:39,590	- INFO - Iter 5980/10000, Loss: 0.7426
2025-03-18	12:37:39,978	- INFO - Iter 5990/10000, Loss: 0.7421
2025-03-18	12:37:40,374	- INFO - Iter 6000/10000, Loss: 0.7416
2025-03-18	12:37:40,759	- INFO - Iter 6010/10000, Loss: 0.7411
2025-03-18	12:37:41,164	- INFO - Iter 6020/10000, Loss: 0.7406

2025-03-18	12:37:41,574	- INFO - Iter 6030/10000, Loss: 0.7401
2025-03-18	12:37:41,981	- INFO - Iter 6040/10000, Loss: 0.7396
2025-03-18	12:37:42,381	- INFO - Iter 6050/10000, Loss: 0.7391
2025-03-18	12:37:42,768	- INFO - Iter 6060/10000, Loss: 0.7386
2025-03-18	12:37:43,181	- INFO - Iter 6070/10000, Loss: 0.7381
2025-03-18	12:37:43,585	- INFO - Iter 6080/10000, Loss: 0.7376
2025-03-18	12:37:43,980	- INFO - Iter 6090/10000, Loss: 0.7371
2025-03-18	12:37:44,400	- INFO - Iter 6100/10000, Loss: 0.7366
2025-03-18	12:37:44,797	- INFO - Iter 6110/10000, Loss: 0.7361
2025-03-18	12:37:45,186	- INFO - Iter 6120/10000, Loss: 0.7356
2025-03-18	12:37:45,600	- INFO - Iter 6130/10000, Loss: 0.7352
2025-03-18	12:37:46,028	- INFO - Iter 6140/10000, Loss: 0.7347
2025-03-18	12:37:46,459	- INFO - Iter 6150/10000, Loss: 0.7342
2025-03-18	12:37:46,885	- INFO - Iter 6160/10000, Loss: 0.7337
2025-03-18	12:37:47,308	- INFO - Iter 6170/10000, Loss: 0.7332
2025-03-18	12:37:47,712	- INFO - Iter 6180/10000, Loss: 0.7327
2025-03-18	12:37:48,120	- INFO - Iter 6190/10000, Loss: 0.7323
2025-03-18	12:37:48,538	- INFO - Iter 6200/10000, Loss: 0.7318
2025-03-18	12:37:48,932	- INFO - Iter 6210/10000, Loss: 0.7313
2025-03-18	12:37:49,343	- INFO - Iter 6220/10000, Loss: 0.7308
2025-03-18	12:37:49,740	- INFO - Iter 6230/10000, Loss: 0.7304
2025-03-18	12:37:50,159	- INFO - Iter 6240/10000, Loss: 0.7299
2025-03-18	12:37:50,566	- INFO - Iter 6250/10000, Loss: 0.7294
2025-03-18	12:37:50,955	- INFO - Iter 6260/10000, Loss: 0.7290
2025-03-18	12:37:51,345	- INFO - Iter 6270/10000, Loss: 0.7285
2025-03-18	12:37:51,735	- INFO - Iter 6280/10000, Loss: 0.7280
2025-03-18	12:37:52,131	- INFO - Iter 6290/10000, Loss: 0.7276
2025-03-18	12:37:52,527	- INFO - Iter 6300/10000, Loss: 0.7271
2025-03-18	12:37:52,923	- INFO - Iter 6310/10000, Loss: 0.7266
2025-03-18	12:37:53,325	- INFO - Iter 6320/10000, Loss: 0.7262
2025-03-18	12:37:53,725	- INFO - Iter 6330/10000, Loss: 0.7257
2025-03-18	12:37:54,115	- INFO - Iter 6340/10000, Loss: 0.7252
2025-03-18	12:37:54,517	- INFO - Iter 6350/10000, Loss: 0.7248
2025-03-18	12:37:54,904	- INFO - Iter 6360/10000, Loss: 0.7243
2025-03-18	12:37:55,303	- INFO - Iter 6370/10000, Loss: 0.7239
2025-03-18	12:37:55,691	- INFO - Iter 6380/10000, Loss: 0.7234
2025-03-18	12:37:56,083	- INFO - Iter 6390/10000, Loss: 0.7230
2025-03-18	12:37:56,491	- INFO - Iter 6400/10000, Loss: 0.7225
2025-03-18	12:37:56,885	- INFO - Iter 6410/10000, Loss: 0.7221
2025-03-18	12:37:57,288	- INFO - Iter 6420/10000, Loss: 0.7216
2025-03-18	12:37:57,672	- INFO - Iter 6430/10000, Loss: 0.7212
2025-03-18	12:37:58,058	- INFO - Iter 6440/10000, Loss: 0.7207
2025-03-18	12:37:58,467	- INFO - Iter 6450/10000, Loss: 0.7203
2025-03-18	12:37:58,881	- INFO - Iter 6460/10000, Loss: 0.7198
2025-03-18	12:37:59,272	- INFO - Iter 6470/10000, Loss: 0.7194
2025-03-18	12:37:59,667	- INFO - Iter 6480/10000, Loss: 0.7189
2025-03-18	12:38:00,066	- INFO - Iter 6490/10000, Loss: 0.7185
2025-03-18	12:38:00,464	- INFO - Iter 6500/10000, Loss: 0.7180
2025-03-18	12:38:00,856	- INFO - Iter 6510/10000, Loss: 0.7176
2025-03-18	12:38:01,255	- INFO - Iter 6520/10000, Loss: 0.7172
2025-03-18	12:38:01,650	- INFO - Iter 6530/10000, Loss: 0.7167
2025-03-18	12:38:02,046	- INFO - Iter 6540/10000, Loss: 0.7163
2025-03-18	12:38:02,468	- INFO - Iter 6550/10000, Loss: 0.7158
2025-03-18	12:38:02,872	- INFO - Iter 6560/10000, Loss: 0.7154
2025-03-18	12:38:03,269	- INFO - Iter 6570/10000, Loss: 0.7150
2025-03-18	12:38:03,662	- INFO - Iter 6580/10000, Loss: 0.7145
2025-03-18	12:38:04,052	- INFO - Iter 6590/10000, Loss: 0.7141
2025-03-18	12:38:04,452	- INFO - Iter 6600/10000, Loss: 0.7137
2025-03-18	12:38:04,844	- INFO - Iter 6610/10000, Loss: 0.7132
2025-03-18	12:38:05,242	- INFO - Iter 6620/10000, Loss: 0.7128
2025-03-18	12:38:05,641	- INFO - Iter 6630/10000, Loss: 0.7124
2025-03-18	12:38:06,035	- INFO - Iter 6640/10000, Loss: 0.7120
2025-03-18	12:38:06,436	- INFO - Iter 6650/10000, Loss: 0.7115
2025-03-18	12:38:06,840	- INFO - Iter 6660/10000, Loss: 0.7111
2025-03-18	12:38:07,250	- INFO - Iter 6670/10000, Loss: 0.7107
2025-03-18	12:38:07,654	- INFO - Iter 6680/10000, Loss: 0.7103
2025-03-18	12:38:08,054	- INFO - Iter 6690/10000, Loss: 0.7098
2025-03-18	12:38:08,446	- INFO - Iter 6700/10000, Loss: 0.7094
2025-03-18	12:38:08,865	- INFO - Iter 6710/10000, Loss: 0.7090
2025-03-18	12:38:09,278	- INFO - Iter 6720/10000, Loss: 0.7086
2025-03-18	12:38:09,676	- INFO - Iter 6730/10000, Loss: 0.7082
2025-03-18	12:38:10,065	- INFO - Iter 6740/10000, Loss: 0.7078

2025-03-18	12:38:10,456	- INFO - Iter 6750/10000, Loss: 0.7073
2025-03-18	12:38:10,850	- INFO - Iter 6760/10000, Loss: 0.7069
2025-03-18	12:38:11,238	- INFO - Iter 6770/10000, Loss: 0.7065
2025-03-18	12:38:11,638	- INFO - Iter 6780/10000, Loss: 0.7061
2025-03-18	12:38:12,032	- INFO - Iter 6790/10000, Loss: 0.7057
2025-03-18	12:38:12,433	- INFO - Iter 6800/10000, Loss: 0.7053
2025-03-18	12:38:12,836	- INFO - Iter 6810/10000, Loss: 0.7049
2025-03-18	12:38:13,246	- INFO - Iter 6820/10000, Loss: 0.7045
2025-03-18	12:38:13,665	- INFO - Iter 6830/10000, Loss: 0.7041
2025-03-18	12:38:14,080	- INFO - Iter 6840/10000, Loss: 0.7037
2025-03-18	12:38:14,493	- INFO - Iter 6850/10000, Loss: 0.7032
2025-03-18	12:38:14,889	- INFO - Iter 6860/10000, Loss: 0.7028
2025-03-18	12:38:15,290	- INFO - Iter 6870/10000, Loss: 0.7024
2025-03-18	12:38:15,688	- INFO - Iter 6880/10000, Loss: 0.7020
2025-03-18	12:38:16,091	- INFO - Iter 6890/10000, Loss: 0.7016
2025-03-18	12:38:16,480	- INFO - Iter 6900/10000, Loss: 0.7012
2025-03-18	12:38:16,874	- INFO - Iter 6910/10000, Loss: 0.7008
2025-03-18	12:38:17,260	- INFO - Iter 6920/10000, Loss: 0.7004
2025-03-18	12:38:17,648	- INFO - Iter 6930/10000, Loss: 0.7000
2025-03-18	12:38:18,042	- INFO - Iter 6940/10000, Loss: 0.6996
2025-03-18	12:38:18,439	- INFO - Iter 6950/10000, Loss: 0.6992
2025-03-18	12:38:18,829	- INFO - Iter 6960/10000, Loss: 0.6989
2025-03-18	12:38:19,228	- INFO - Iter 6970/10000, Loss: 0.6985
2025-03-18	12:38:19,615	- INFO - Iter 6980/10000, Loss: 0.6981
2025-03-18	12:38:20,000	- INFO - Iter 6990/10000, Loss: 0.6977
2025-03-18	12:38:20,387	- INFO - Iter 7000/10000, Loss: 0.6973
2025-03-18	12:38:20,769	- INFO - Iter 7010/10000, Loss: 0.6969
2025-03-18	12:38:21,155	- INFO - Iter 7020/10000, Loss: 0.6965
2025-03-18	12:38:21,537	- INFO - Iter 7030/10000, Loss: 0.6961
2025-03-18	12:38:21,926	- INFO - Iter 7040/10000, Loss: 0.6957
2025-03-18	12:38:22,316	- INFO - Iter 7050/10000, Loss: 0.6953
2025-03-18	12:38:22,699	- INFO - Iter 7060/10000, Loss: 0.6950
2025-03-18	12:38:23,098	- INFO - Iter 7070/10000, Loss: 0.6946
2025-03-18	12:38:23,499	- INFO - Iter 7080/10000, Loss: 0.6942
2025-03-18	12:38:23,894	- INFO - Iter 7090/10000, Loss: 0.6938
2025-03-18	12:38:24,299	- INFO - Iter 7100/10000, Loss: 0.6934
2025-03-18	12:38:24,702	- INFO - Iter 7110/10000, Loss: 0.6930
2025-03-18	12:38:25,106	- INFO - Iter 7120/10000, Loss: 0.6927
2025-03-18	12:38:25,506	- INFO - Iter 7130/10000, Loss: 0.6923
2025-03-18	12:38:25,891	- INFO - Iter 7140/10000, Loss: 0.6919
2025-03-18	12:38:26,276	- INFO - Iter 7150/10000, Loss: 0.6915
2025-03-18	12:38:26,672	- INFO - Iter 7160/10000, Loss: 0.6911
2025-03-18	12:38:27,062	- INFO - Iter 7170/10000, Loss: 0.6908
2025-03-18	12:38:27,459	- INFO - Iter 7180/10000, Loss: 0.6904
2025-03-18	12:38:27,849	- INFO - Iter 7190/10000, Loss: 0.6900
2025-03-18	12:38:28,232	- INFO - Iter 7200/10000, Loss: 0.6897
2025-03-18	12:38:28,620	- INFO - Iter 7210/10000, Loss: 0.6893
2025-03-18	12:38:29,005	- INFO - Iter 7220/10000, Loss: 0.6889
2025-03-18	12:38:29,403	- INFO - Iter 7230/10000, Loss: 0.6885
2025-03-18	12:38:29,790	- INFO - Iter 7240/10000, Loss: 0.6882
2025-03-18	12:38:30,174	- INFO - Iter 7250/10000, Loss: 0.6878
2025-03-18	12:38:30,559	- INFO - Iter 7260/10000, Loss: 0.6874
2025-03-18	12:38:30,941	- INFO - Iter 7270/10000, Loss: 0.6871
2025-03-18	12:38:31,329	- INFO - Iter 7280/10000, Loss: 0.6867
2025-03-18	12:38:31,712	- INFO - Iter 7290/10000, Loss: 0.6863
2025-03-18	12:38:32,106	- INFO - Iter 7300/10000, Loss: 0.6860
2025-03-18	12:38:32,493	- INFO - Iter 7310/10000, Loss: 0.6856
2025-03-18	12:38:32,876	- INFO - Iter 7320/10000, Loss: 0.6852
2025-03-18	12:38:33,263	- INFO - Iter 7330/10000, Loss: 0.6849
2025-03-18	12:38:33,651	- INFO - Iter 7340/10000, Loss: 0.6845
2025-03-18	12:38:34,033	- INFO - Iter 7350/10000, Loss: 0.6842
2025-03-18	12:38:34,422	- INFO - Iter 7360/10000, Loss: 0.6838
2025-03-18	12:38:34,805	- INFO - Iter 7370/10000, Loss: 0.6834
2025-03-18	12:38:35,186	- INFO - Iter 7380/10000, Loss: 0.6831
2025-03-18	12:38:35,575	- INFO - Iter 7390/10000, Loss: 0.6827
2025-03-18	12:38:35,965	- INFO - Iter 7400/10000, Loss: 0.6824
2025-03-18	12:38:36,354	- INFO - Iter 7410/10000, Loss: 0.6820
2025-03-18	12:38:36,737	- INFO - Iter 7420/10000, Loss: 0.6817
2025-03-18	12:38:37,119	- INFO - Iter 7430/10000, Loss: 0.6813
2025-03-18	12:38:37,505	- INFO - Iter 7440/10000, Loss: 0.6809
2025-03-18	12:38:37,892	- INFO - Iter 7450/10000, Loss: 0.6806
2025-03-18	12:38:38,280	- INFO - Iter 7460/10000, Loss: 0.6802

2025-03-18	12:38:38,673	- INFO - Iter 7470/10000, Loss: 0.6799
2025-03-18	12:38:39,057	- INFO - Iter 7480/10000, Loss: 0.6795
2025-03-18	12:38:39,454	- INFO - Iter 7490/10000, Loss: 0.6792
2025-03-18	12:38:39,843	- INFO - Iter 7500/10000, Loss: 0.6788
2025-03-18	12:38:40,231	- INFO - Iter 7510/10000, Loss: 0.6785
2025-03-18	12:38:40,614	- INFO - Iter 7520/10000, Loss: 0.6781
2025-03-18	12:38:40,999	- INFO - Iter 7530/10000, Loss: 0.6778
2025-03-18	12:38:41,383	- INFO - Iter 7540/10000, Loss: 0.6775
2025-03-18	12:38:41,770	- INFO - Iter 7550/10000, Loss: 0.6771
2025-03-18	12:38:42,157	- INFO - Iter 7560/10000, Loss: 0.6768
2025-03-18	12:38:42,542	- INFO - Iter 7570/10000, Loss: 0.6764
2025-03-18	12:38:42,928	- INFO - Iter 7580/10000, Loss: 0.6761
2025-03-18	12:38:43,318	- INFO - Iter 7590/10000, Loss: 0.6757
2025-03-18	12:38:43,705	- INFO - Iter 7600/10000, Loss: 0.6754
2025-03-18	12:38:44,094	- INFO - Iter 7610/10000, Loss: 0.6751
2025-03-18	12:38:44,486	- INFO - Iter 7620/10000, Loss: 0.6747
2025-03-18	12:38:44,869	- INFO - Iter 7630/10000, Loss: 0.6744
2025-03-18	12:38:45,253	- INFO - Iter 7640/10000, Loss: 0.6740
2025-03-18	12:38:45,638	- INFO - Iter 7650/10000, Loss: 0.6737
2025-03-18	12:38:46,021	- INFO - Iter 7660/10000, Loss: 0.6734
2025-03-18	12:38:46,409	- INFO - Iter 7670/10000, Loss: 0.6730
2025-03-18	12:38:46,794	- INFO - Iter 7680/10000, Loss: 0.6727
2025-03-18	12:38:47,178	- INFO - Iter 7690/10000, Loss: 0.6724
2025-03-18	12:38:47,566	- INFO - Iter 7700/10000, Loss: 0.6720
2025-03-18	12:38:47,951	- INFO - Iter 7710/10000, Loss: 0.6717
2025-03-18	12:38:48,342	- INFO - Iter 7720/10000, Loss: 0.6714
2025-03-18	12:38:48,726	- INFO - Iter 7730/10000, Loss: 0.6710
2025-03-18	12:38:49,108	- INFO - Iter 7740/10000, Loss: 0.6707
2025-03-18	12:38:49,499	- INFO - Iter 7750/10000, Loss: 0.6704
2025-03-18	12:38:49,895	- INFO - Iter 7760/10000, Loss: 0.6700
2025-03-18	12:38:50,299	- INFO - Iter 7770/10000, Loss: 0.6697
2025-03-18	12:38:50,695	- INFO - Iter 7780/10000, Loss: 0.6694
2025-03-18	12:38:51,094	- INFO - Iter 7790/10000, Loss: 0.6690
2025-03-18	12:38:51,492	- INFO - Iter 7800/10000, Loss: 0.6687
2025-03-18	12:38:51,880	- INFO - Iter 7810/10000, Loss: 0.6684
2025-03-18	12:38:52,265	- INFO - Iter 7820/10000, Loss: 0.6681
2025-03-18	12:38:52,657	- INFO - Iter 7830/10000, Loss: 0.6677
2025-03-18	12:38:53,081	- INFO - Iter 7840/10000, Loss: 0.6674
2025-03-18	12:38:53,511	- INFO - Iter 7850/10000, Loss: 0.6671
2025-03-18	12:38:53,944	- INFO - Iter 7860/10000, Loss: 0.6668
2025-03-18	12:38:54,385	- INFO - Iter 7870/10000, Loss: 0.6664
2025-03-18	12:38:54,784	- INFO - Iter 7880/10000, Loss: 0.6661
2025-03-18	12:38:55,176	- INFO - Iter 7890/10000, Loss: 0.6658
2025-03-18	12:38:55,567	- INFO - Iter 7900/10000, Loss: 0.6655
2025-03-18	12:38:55,965	- INFO - Iter 7910/10000, Loss: 0.6652
2025-03-18	12:38:56,370	- INFO - Iter 7920/10000, Loss: 0.6648
2025-03-18	12:38:56,763	- INFO - Iter 7930/10000, Loss: 0.6645
2025-03-18	12:38:57,160	- INFO - Iter 7940/10000, Loss: 0.6642
2025-03-18	12:38:57,568	- INFO - Iter 7950/10000, Loss: 0.6639
2025-03-18	12:38:57,987	- INFO - Iter 7960/10000, Loss: 0.6636
2025-03-18	12:38:58,434	- INFO - Iter 7970/10000, Loss: 0.6633
2025-03-18	12:38:58,849	- INFO - Iter 7980/10000, Loss: 0.6629
2025-03-18	12:38:59,273	- INFO - Iter 7990/10000, Loss: 0.6626
2025-03-18	12:38:59,689	- INFO - Iter 8000/10000, Loss: 0.6623
2025-03-18	12:39:00,109	- INFO - Iter 8010/10000, Loss: 0.6620
2025-03-18	12:39:00,524	- INFO - Iter 8020/10000, Loss: 0.6617
2025-03-18	12:39:00,919	- INFO - Iter 8030/10000, Loss: 0.6614
2025-03-18	12:39:01,321	- INFO - Iter 8040/10000, Loss: 0.6611
2025-03-18	12:39:01,709	- INFO - Iter 8050/10000, Loss: 0.6608
2025-03-18	12:39:02,102	- INFO - Iter 8060/10000, Loss: 0.6605
2025-03-18	12:39:02,502	- INFO - Iter 8070/10000, Loss: 0.6601
2025-03-18	12:39:02,898	- INFO - Iter 8080/10000, Loss: 0.6598
2025-03-18	12:39:03,288	- INFO - Iter 8090/10000, Loss: 0.6595
2025-03-18	12:39:03,673	- INFO - Iter 8100/10000, Loss: 0.6592
2025-03-18	12:39:04,060	- INFO - Iter 8110/10000, Loss: 0.6589
2025-03-18	12:39:04,463	- INFO - Iter 8120/10000, Loss: 0.6586
2025-03-18	12:39:04,855	- INFO - Iter 8130/10000, Loss: 0.6583
2025-03-18	12:39:05,248	- INFO - Iter 8140/10000, Loss: 0.6580
2025-03-18	12:39:05,641	- INFO - Iter 8150/10000, Loss: 0.6577
2025-03-18	12:39:06,028	- INFO - Iter 8160/10000, Loss: 0.6574
2025-03-18	12:39:06,420	- INFO - Iter 8170/10000, Loss: 0.6571
2025-03-18	12:39:06,802	- INFO - Iter 8180/10000, Loss: 0.6568



2025-03-18	12:39:07,192	- INFO - Iter 8190/10000, Loss: 0.6565
2025-03-18	12:39:07,577	- INFO - Iter 8200/10000, Loss: 0.6562
2025-03-18	12:39:07,961	- INFO - Iter 8210/10000, Loss: 0.6559
2025-03-18	12:39:08,354	- INFO - Iter 8220/10000, Loss: 0.6556
2025-03-18	12:39:08,736	- INFO - Iter 8230/10000, Loss: 0.6553
2025-03-18	12:39:09,118	- INFO - Iter 8240/10000, Loss: 0.6550
2025-03-18	12:39:09,504	- INFO - Iter 8250/10000, Loss: 0.6547
2025-03-18	12:39:09,902	- INFO - Iter 8260/10000, Loss: 0.6544
2025-03-18	12:39:10,291	- INFO - Iter 8270/10000, Loss: 0.6541
2025-03-18	12:39:10,676	- INFO - Iter 8280/10000, Loss: 0.6538
2025-03-18	12:39:11,059	- INFO - Iter 8290/10000, Loss: 0.6535
2025-03-18	12:39:11,446	- INFO - Iter 8300/10000, Loss: 0.6532
2025-03-18	12:39:11,827	- INFO - Iter 8310/10000, Loss: 0.6529
2025-03-18	12:39:12,216	- INFO - Iter 8320/10000, Loss: 0.6526
2025-03-18	12:39:12,608	- INFO - Iter 8330/10000, Loss: 0.6523
2025-03-18	12:39:12,995	- INFO - Iter 8340/10000, Loss: 0.6520
2025-03-18	12:39:13,386	- INFO - Iter 8350/10000, Loss: 0.6517
2025-03-18	12:39:13,774	- INFO - Iter 8360/10000, Loss: 0.6515
2025-03-18	12:39:14,163	- INFO - Iter 8370/10000, Loss: 0.6512
2025-03-18	12:39:14,551	- INFO - Iter 8380/10000, Loss: 0.6509
2025-03-18	12:39:14,931	- INFO - Iter 8390/10000, Loss: 0.6506
2025-03-18	12:39:15,324	- INFO - Iter 8400/10000, Loss: 0.6503
2025-03-18	12:39:15,709	- INFO - Iter 8410/10000, Loss: 0.6500
2025-03-18	12:39:16,093	- INFO - Iter 8420/10000, Loss: 0.6497
2025-03-18	12:39:16,487	- INFO - Iter 8430/10000, Loss: 0.6494
2025-03-18	12:39:16,878	- INFO - Iter 8440/10000, Loss: 0.6491
2025-03-18	12:39:17,264	- INFO - Iter 8450/10000, Loss: 0.6489
2025-03-18	12:39:17,651	- INFO - Iter 8460/10000, Loss: 0.6486
2025-03-18	12:39:18,040	- INFO - Iter 8470/10000, Loss: 0.6483
2025-03-18	12:39:18,428	- INFO - Iter 8480/10000, Loss: 0.6480
2025-03-18	12:39:18,812	- INFO - Iter 8490/10000, Loss: 0.6477
2025-03-18	12:39:19,201	- INFO - Iter 8500/10000, Loss: 0.6474
2025-03-18	12:39:19,587	- INFO - Iter 8510/10000, Loss: 0.6471
2025-03-18	12:39:19,980	- INFO - Iter 8520/10000, Loss: 0.6469
2025-03-18	12:39:20,373	- INFO - Iter 8530/10000, Loss: 0.6466
2025-03-18	12:39:20,760	- INFO - Iter 8540/10000, Loss: 0.6463
2025-03-18	12:39:21,144	- INFO - Iter 8550/10000, Loss: 0.6460
2025-03-18	12:39:21,533	- INFO - Iter 8560/10000, Loss: 0.6457
2025-03-18	12:39:21,920	- INFO - Iter 8570/10000, Loss: 0.6455
2025-03-18	12:39:22,309	- INFO - Iter 8580/10000, Loss: 0.6452
2025-03-18	12:39:22,693	- INFO - Iter 8590/10000, Loss: 0.6449
2025-03-18	12:39:23,083	- INFO - Iter 8600/10000, Loss: 0.6446
2025-03-18	12:39:23,472	- INFO - Iter 8610/10000, Loss: 0.6443
2025-03-18	12:39:23,862	- INFO - Iter 8620/10000, Loss: 0.6441
2025-03-18	12:39:24,249	- INFO - Iter 8630/10000, Loss: 0.6438
2025-03-18	12:39:24,640	- INFO - Iter 8640/10000, Loss: 0.6435
2025-03-18	12:39:25,031	- INFO - Iter 8650/10000, Loss: 0.6432
2025-03-18	12:39:25,423	- INFO - Iter 8660/10000, Loss: 0.6430
2025-03-18	12:39:25,811	- INFO - Iter 8670/10000, Loss: 0.6427
2025-03-18	12:39:26,196	- INFO - Iter 8680/10000, Loss: 0.6424
2025-03-18	12:39:26,586	- INFO - Iter 8690/10000, Loss: 0.6421
2025-03-18	12:39:26,977	- INFO - Iter 8700/10000, Loss: 0.6419
2025-03-18	12:39:27,375	- INFO - Iter 8710/10000, Loss: 0.6416
2025-03-18	12:39:27,772	- INFO - Iter 8720/10000, Loss: 0.6413
2025-03-18	12:39:28,178	- INFO - Iter 8730/10000, Loss: 0.6411
2025-03-18	12:39:28,585	- INFO - Iter 8740/10000, Loss: 0.6408
2025-03-18	12:39:28,985	- INFO - Iter 8750/10000, Loss: 0.6405
2025-03-18	12:39:29,375	- INFO - Iter 8760/10000, Loss: 0.6402
2025-03-18	12:39:29,767	- INFO - Iter 8770/10000, Loss: 0.6400
2025-03-18	12:39:30,174	- INFO - Iter 8780/10000, Loss: 0.6397
2025-03-18	12:39:30,579	- INFO - Iter 8790/10000, Loss: 0.6394
2025-03-18	12:39:30,979	- INFO - Iter 8800/10000, Loss: 0.6392
2025-03-18	12:39:31,389	- INFO - Iter 8810/10000, Loss: 0.6389
2025-03-18	12:39:31,788	- INFO - Iter 8820/10000, Loss: 0.6386
2025-03-18	12:39:32,178	- INFO - Iter 8830/10000, Loss: 0.6384
2025-03-18	12:39:32,569	- INFO - Iter 8840/10000, Loss: 0.6381
2025-03-18	12:39:32,962	- INFO - Iter 8850/10000, Loss: 0.6378
2025-03-18	12:39:33,386	- INFO - Iter 8860/10000, Loss: 0.6376
2025-03-18	12:39:33,823	- INFO - Iter 8870/10000, Loss: 0.6373
2025-03-18	12:39:34,269	- INFO - Iter 8880/10000, Loss: 0.6371
2025-03-18	12:39:34,703	- INFO - Iter 8890/10000, Loss: 0.6368
2025-03-18	12:39:35,120	- INFO - Iter 8900/10000, Loss: 0.6365



2025-03-18	12:39:35,537	- INFO - Iter 8910/10000, Loss: 0.6363
2025-03-18	12:39:35,947	- INFO - Iter 8920/10000, Loss: 0.6360
2025-03-18	12:39:36,349	- INFO - Iter 8930/10000, Loss: 0.6357
2025-03-18	12:39:36,744	- INFO - Iter 8940/10000, Loss: 0.6355
2025-03-18	12:39:37,151	- INFO - Iter 8950/10000, Loss: 0.6352
2025-03-18	12:39:37,556	- INFO - Iter 8960/10000, Loss: 0.6350
2025-03-18	12:39:37,950	- INFO - Iter 8970/10000, Loss: 0.6347
2025-03-18	12:39:38,366	- INFO - Iter 8980/10000, Loss: 0.6344
2025-03-18	12:39:38,762	- INFO - Iter 8990/10000, Loss: 0.6342
2025-03-18	12:39:39,160	- INFO - Iter 9000/10000, Loss: 0.6339
2025-03-18	12:39:39,562	- INFO - Iter 9010/10000, Loss: 0.6337
2025-03-18	12:39:39,961	- INFO - Iter 9020/10000, Loss: 0.6334
2025-03-18	12:39:40,372	- INFO - Iter 9030/10000, Loss: 0.6332
2025-03-18	12:39:40,778	- INFO - Iter 9040/10000, Loss: 0.6329
2025-03-18	12:39:41,181	- INFO - Iter 9050/10000, Loss: 0.6326
2025-03-18	12:39:41,581	- INFO - Iter 9060/10000, Loss: 0.6324
2025-03-18	12:39:41,967	- INFO - Iter 9070/10000, Loss: 0.6321
2025-03-18	12:39:42,352	- INFO - Iter 9080/10000, Loss: 0.6319
2025-03-18	12:39:42,740	- INFO - Iter 9090/10000, Loss: 0.6316
2025-03-18	12:39:43,132	- INFO - Iter 9100/10000, Loss: 0.6314
2025-03-18	12:39:43,524	- INFO - Iter 9110/10000, Loss: 0.6311
2025-03-18	12:39:43,921	- INFO - Iter 9120/10000, Loss: 0.6309
2025-03-18	12:39:44,336	- INFO - Iter 9130/10000, Loss: 0.6306
2025-03-18	12:39:44,751	- INFO - Iter 9140/10000, Loss: 0.6304
2025-03-18	12:39:45,147	- INFO - Iter 9150/10000, Loss: 0.6301
2025-03-18	12:39:45,550	- INFO - Iter 9160/10000, Loss: 0.6299
2025-03-18	12:39:45,942	- INFO - Iter 9170/10000, Loss: 0.6296
2025-03-18	12:39:46,340	- INFO - Iter 9180/10000, Loss: 0.6294
2025-03-18	12:39:46,738	- INFO - Iter 9190/10000, Loss: 0.6291
2025-03-18	12:39:47,140	- INFO - Iter 9200/10000, Loss: 0.6289
2025-03-18	12:39:47,539	- INFO - Iter 9210/10000, Loss: 0.6286
2025-03-18	12:39:47,942	- INFO - Iter 9220/10000, Loss: 0.6284
2025-03-18	12:39:48,343	- INFO - Iter 9230/10000, Loss: 0.6281
2025-03-18	12:39:48,755	- INFO - Iter 9240/10000, Loss: 0.6279
2025-03-18	12:39:49,189	- INFO - Iter 9250/10000, Loss: 0.6276
2025-03-18	12:39:49,600	- INFO - Iter 9260/10000, Loss: 0.6274
2025-03-18	12:39:50,008	- INFO - Iter 9270/10000, Loss: 0.6271
2025-03-18	12:39:50,415	- INFO - Iter 9280/10000, Loss: 0.6269
2025-03-18	12:39:50,826	- INFO - Iter 9290/10000, Loss: 0.6267
2025-03-18	12:39:51,224	- INFO - Iter 9300/10000, Loss: 0.6264
2025-03-18	12:39:51,623	- INFO - Iter 9310/10000, Loss: 0.6262
2025-03-18	12:39:52,024	- INFO - Iter 9320/10000, Loss: 0.6259
2025-03-18	12:39:52,416	- INFO - Iter 9330/10000, Loss: 0.6257
2025-03-18	12:39:52,810	- INFO - Iter 9340/10000, Loss: 0.6254
2025-03-18	12:39:53,208	- INFO - Iter 9350/10000, Loss: 0.6252
2025-03-18	12:39:53,605	- INFO - Iter 9360/10000, Loss: 0.6250
2025-03-18	12:39:53,997	- INFO - Iter 9370/10000, Loss: 0.6247
2025-03-18	12:39:54,390	- INFO - Iter 9380/10000, Loss: 0.6245
2025-03-18	12:39:54,793	- INFO - Iter 9390/10000, Loss: 0.6242
2025-03-18	12:39:55,195	- INFO - Iter 9400/10000, Loss: 0.6240
2025-03-18	12:39:55,597	- INFO - Iter 9410/10000, Loss: 0.6237
2025-03-18	12:39:55,991	- INFO - Iter 9420/10000, Loss: 0.6235
2025-03-18	12:39:56,405	- INFO - Iter 9430/10000, Loss: 0.6233
2025-03-18	12:39:56,809	- INFO - Iter 9440/10000, Loss: 0.6230
2025-03-18	12:39:57,213	- INFO - Iter 9450/10000, Loss: 0.6228
2025-03-18	12:39:57,617	- INFO - Iter 9460/10000, Loss: 0.6226
2025-03-18	12:39:58,008	- INFO - Iter 9470/10000, Loss: 0.6223
2025-03-18	12:39:58,437	- INFO - Iter 9480/10000, Loss: 0.6221
2025-03-18	12:39:58,835	- INFO - Iter 9490/10000, Loss: 0.6218
2025-03-18	12:39:59,229	- INFO - Iter 9500/10000, Loss: 0.6216
2025-03-18	12:39:59,629	- INFO - Iter 9510/10000, Loss: 0.6214
2025-03-18	12:40:00,041	- INFO - Iter 9520/10000, Loss: 0.6211
2025-03-18	12:40:00,435	- INFO - Iter 9530/10000, Loss: 0.6209
2025-03-18	12:40:00,848	- INFO - Iter 9540/10000, Loss: 0.6207
2025-03-18	12:40:01,242	- INFO - Iter 9550/10000, Loss: 0.6204
2025-03-18	12:40:01,644	- INFO - Iter 9560/10000, Loss: 0.6202
2025-03-18	12:40:02,044	- INFO - Iter 9570/10000, Loss: 0.6200
2025-03-18	12:40:02,470	- INFO - Iter 9580/10000, Loss: 0.6197
2025-03-18	12:40:02,862	- INFO - Iter 9590/10000, Loss: 0.6195
2025-03-18	12:40:03,260	- INFO - Iter 9600/10000, Loss: 0.6193
2025-03-18	12:40:03,675	- INFO - Iter 9610/10000, Loss: 0.6190
2025-03-18	12:40:04,072	- INFO - Iter 9620/10000, Loss: 0.6188

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2025-03-18 12:40:04,465 - INFO - Iter 9630/10000, Loss: 0.6186
2025-03-18 12:40:04,857 - INFO - Iter 9640/10000, Loss: 0.6184
2025-03-18 12:40:05,242 - INFO - Iter 9650/10000, Loss: 0.6181
2025-03-18 12:40:05,635 - INFO - Iter 9660/10000, Loss: 0.6179
2025-03-18 12:40:06,024 - INFO - Iter 9670/10000, Loss: 0.6177
2025-03-18 12:40:06,420 - INFO - Iter 9680/10000, Loss: 0.6174
2025-03-18 12:40:06,812 - INFO - Iter 9690/10000, Loss: 0.6172
2025-03-18 12:40:07,225 - INFO - Iter 9700/10000, Loss: 0.6170
2025-03-18 12:40:07,638 - INFO - Iter 9710/10000, Loss: 0.6168
2025-03-18 12:40:08,048 - INFO - Iter 9720/10000, Loss: 0.6165
2025-03-18 12:40:08,461 - INFO - Iter 9730/10000, Loss: 0.6163
2025-03-18 12:40:08,871 - INFO - Iter 9740/10000, Loss: 0.6161
2025-03-18 12:40:09,268 - INFO - Iter 9750/10000, Loss: 0.6159
2025-03-18 12:40:09,674 - INFO - Iter 9760/10000, Loss: 0.6156
2025-03-18 12:40:10,098 - INFO - Iter 9770/10000, Loss: 0.6154
2025-03-18 12:40:10,489 - INFO - Iter 9780/10000, Loss: 0.6152
2025-03-18 12:40:10,884 - INFO - Iter 9790/10000, Loss: 0.6150
2025-03-18 12:40:11,292 - INFO - Iter 9800/10000, Loss: 0.6147
2025-03-18 12:40:11,683 - INFO - Iter 9810/10000, Loss: 0.6145
2025-03-18 12:40:12,068 - INFO - Iter 9820/10000, Loss: 0.6143
2025-03-18 12:40:12,454 - INFO - Iter 9830/10000, Loss: 0.6141
2025-03-18 12:40:12,837 - INFO - Iter 9840/10000, Loss: 0.6138
2025-03-18 12:40:13,229 - INFO - Iter 9850/10000, Loss: 0.6136
2025-03-18 12:40:13,617 - INFO - Iter 9860/10000, Loss: 0.6134
2025-03-18 12:40:14,001 - INFO - Iter 9870/10000, Loss: 0.6132
2025-03-18 12:40:14,390 - INFO - Iter 9880/10000, Loss: 0.6130
2025-03-18 12:40:14,776 - INFO - Iter 9890/10000, Loss: 0.6127
2025-03-18 12:40:15,164 - INFO - Iter 9900/10000, Loss: 0.6125
2025-03-18 12:40:15,551 - INFO - Iter 9910/10000, Loss: 0.6123
2025-03-18 12:40:15,934 - INFO - Iter 9920/10000, Loss: 0.6121
2025-03-18 12:40:16,326 - INFO - Iter 9930/10000, Loss: 0.6119
2025-03-18 12:40:16,717 - INFO - Iter 9940/10000, Loss: 0.6116
2025-03-18 12:40:17,116 - INFO - Iter 9950/10000, Loss: 0.6114
2025-03-18 12:40:17,506 - INFO - Iter 9960/10000, Loss: 0.6112
2025-03-18 12:40:17,894 - INFO - Iter 9970/10000, Loss: 0.6110
2025-03-18 12:40:18,285 - INFO - Iter 9980/10000, Loss: 0.6108
2025-03-18 12:40:18,706 - INFO - Iter 9990/10000, Loss: 0.6105
2025-03-18 12:40:19,100 - INFO - Iter 10000/10000, Loss: 0.6103
2025-03-18 12:40:19,100 - INFO - SoftmaxRegression training completed in 395.39 seconds.
2025-03-18 12:40:19,101 - INFO - --- Linear Regression LR=0.001/Iter=10000 ---
2025-03-18 12:40:19,405 - INFO - Iter 10/10000, Train Loss: 0.0467
2025-03-18 12:40:19,714 - INFO - Iter 20/10000, Train Loss: 0.0445
2025-03-18 12:40:20,023 - INFO - Iter 30/10000, Train Loss: 0.0430
2025-03-18 12:40:20,326 - INFO - Iter 40/10000, Train Loss: 0.0419
2025-03-18 12:40:20,634 - INFO - Iter 50/10000, Train Loss: 0.0410
2025-03-18 12:40:20,939 - INFO - Iter 60/10000, Train Loss: 0.0402
2025-03-18 12:40:21,279 - INFO - Iter 70/10000, Train Loss: 0.0395
2025-03-18 12:40:21,594 - INFO - Iter 80/10000, Train Loss: 0.0388
2025-03-18 12:40:21,892 - INFO - Iter 90/10000, Train Loss: 0.0382
2025-03-18 12:40:22,210 - INFO - Iter 100/10000, Train Loss: 0.0376
2025-03-18 12:40:22,517 - INFO - Iter 110/10000, Train Loss: 0.0370
2025-03-18 12:40:22,819 - INFO - Iter 120/10000, Train Loss: 0.0365
2025-03-18 12:40:23,122 - INFO - Iter 130/10000, Train Loss: 0.0360
2025-03-18 12:40:23,426 - INFO - Iter 140/10000, Train Loss: 0.0355
2025-03-18 12:40:23,731 - INFO - Iter 150/10000, Train Loss: 0.0351
2025-03-18 12:40:24,032 - INFO - Iter 160/10000, Train Loss: 0.0346
2025-03-18 12:40:24,336 - INFO - Iter 170/10000, Train Loss: 0.0342
2025-03-18 12:40:24,637 - INFO - Iter 180/10000, Train Loss: 0.0338
2025-03-18 12:40:24,937 - INFO - Iter 190/10000, Train Loss: 0.0335
2025-03-18 12:40:25,240 - INFO - Iter 200/10000, Train Loss: 0.0331
2025-03-18 12:40:25,538 - INFO - Iter 210/10000, Train Loss: 0.0328
2025-03-18 12:40:25,838 - INFO - Iter 220/10000, Train Loss: 0.0325
2025-03-18 12:40:26,139 - INFO - Iter 230/10000, Train Loss: 0.0322
2025-03-18 12:40:26,443 - INFO - Iter 240/10000, Train Loss: 0.0319
2025-03-18 12:40:26,743 - INFO - Iter 250/10000, Train Loss: 0.0316
2025-03-18 12:40:27,042 - INFO - Iter 260/10000, Train Loss: 0.0313
2025-03-18 12:40:27,356 - INFO - Iter 270/10000, Train Loss: 0.0311
2025-03-18 12:40:27,656 - INFO - Iter 280/10000, Train Loss: 0.0308
2025-03-18 12:40:27,956 - INFO - Iter 290/10000, Train Loss: 0.0306
2025-03-18 12:40:28,259 - INFO - Iter 300/10000, Train Loss: 0.0304
2025-03-18 12:40:28,560 - INFO - Iter 310/10000, Train Loss: 0.0302
2025-03-18 12:40:28,868 - INFO - Iter 320/10000, Train Loss: 0.0300
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2025-03-18	12:40:29,167	-	INFO	-	Iter	330/10000,	Train	Loss:	0.0298
2025-03-18	12:40:29,475	-	INFO	-	Iter	340/10000,	Train	Loss:	0.0296
2025-03-18	12:40:29,774	-	INFO	-	Iter	350/10000,	Train	Loss:	0.0294
2025-03-18	12:40:30,090	-	INFO	-	Iter	360/10000,	Train	Loss:	0.0293
2025-03-18	12:40:30,400	-	INFO	-	Iter	370/10000,	Train	Loss:	0.0291
2025-03-18	12:40:30,717	-	INFO	-	Iter	380/10000,	Train	Loss:	0.0289
2025-03-18	12:40:31,027	-	INFO	-	Iter	390/10000,	Train	Loss:	0.0288
2025-03-18	12:40:31,342	-	INFO	-	Iter	400/10000,	Train	Loss:	0.0286
2025-03-18	12:40:31,646	-	INFO	-	Iter	410/10000,	Train	Loss:	0.0285
2025-03-18	12:40:31,963	-	INFO	-	Iter	420/10000,	Train	Loss:	0.0283
2025-03-18	12:40:32,271	-	INFO	-	Iter	430/10000,	Train	Loss:	0.0282
2025-03-18	12:40:32,583	-	INFO	-	Iter	440/10000,	Train	Loss:	0.0281
2025-03-18	12:40:32,878	-	INFO	-	Iter	450/10000,	Train	Loss:	0.0280
2025-03-18	12:40:33,179	-	INFO	-	Iter	460/10000,	Train	Loss:	0.0278
2025-03-18	12:40:33,483	-	INFO	-	Iter	470/10000,	Train	Loss:	0.0277
2025-03-18	12:40:33,785	-	INFO	-	Iter	480/10000,	Train	Loss:	0.0276
2025-03-18	12:40:34,086	-	INFO	-	Iter	490/10000,	Train	Loss:	0.0275
2025-03-18	12:40:34,391	-	INFO	-	Iter	500/10000,	Train	Loss:	0.0274
2025-03-18	12:40:34,693	-	INFO	-	Iter	510/10000,	Train	Loss:	0.0273
2025-03-18	12:40:34,993	-	INFO	-	Iter	520/10000,	Train	Loss:	0.0272
2025-03-18	12:40:35,308	-	INFO	-	Iter	530/10000,	Train	Loss:	0.0271
2025-03-18	12:40:35,614	-	INFO	-	Iter	540/10000,	Train	Loss:	0.0270
2025-03-18	12:40:35,916	-	INFO	-	Iter	550/10000,	Train	Loss:	0.0269
2025-03-18	12:40:36,214	-	INFO	-	Iter	560/10000,	Train	Loss:	0.0268
2025-03-18	12:40:36,522	-	INFO	-	Iter	570/10000,	Train	Loss:	0.0268
2025-03-18	12:40:36,821	-	INFO	-	Iter	580/10000,	Train	Loss:	0.0267
2025-03-18	12:40:37,127	-	INFO	-	Iter	590/10000,	Train	Loss:	0.0266
2025-03-18	12:40:37,431	-	INFO	-	Iter	600/10000,	Train	Loss:	0.0265
2025-03-18	12:40:37,737	-	INFO	-	Iter	610/10000,	Train	Loss:	0.0264
2025-03-18	12:40:38,041	-	INFO	-	Iter	620/10000,	Train	Loss:	0.0264
2025-03-18	12:40:38,341	-	INFO	-	Iter	630/10000,	Train	Loss:	0.0263
2025-03-18	12:40:38,640	-	INFO	-	Iter	640/10000,	Train	Loss:	0.0262
2025-03-18	12:40:38,943	-	INFO	-	Iter	650/10000,	Train	Loss:	0.0262
2025-03-18	12:40:39,239	-	INFO	-	Iter	660/10000,	Train	Loss:	0.0261
2025-03-18	12:40:39,544	-	INFO	-	Iter	670/10000,	Train	Loss:	0.0260
2025-03-18	12:40:39,846	-	INFO	-	Iter	680/10000,	Train	Loss:	0.0260
2025-03-18	12:40:40,162	-	INFO	-	Iter	690/10000,	Train	Loss:	0.0259
2025-03-18	12:40:40,470	-	INFO	-	Iter	700/10000,	Train	Loss:	0.0258
2025-03-18	12:40:40,774	-	INFO	-	Iter	710/10000,	Train	Loss:	0.0258
2025-03-18	12:40:41,087	-	INFO	-	Iter	720/10000,	Train	Loss:	0.0257
2025-03-18	12:40:41,395	-	INFO	-	Iter	730/10000,	Train	Loss:	0.0257
2025-03-18	12:40:41,714	-	INFO	-	Iter	740/10000,	Train	Loss:	0.0256
2025-03-18	12:40:42,022	-	INFO	-	Iter	750/10000,	Train	Loss:	0.0255
2025-									

2025-03-18	12:40:51,156	-	INFO	-	Iter	1050/10000,	Train	Loss:	0.0243
2025-03-18	12:40:51,463	-	INFO	-	Iter	1060/10000,	Train	Loss:	0.0243
2025-03-18	12:40:51,788	-	INFO	-	Iter	1070/10000,	Train	Loss:	0.0243
2025-03-18	12:40:52,094	-	INFO	-	Iter	1080/10000,	Train	Loss:	0.0242
2025-03-18	12:40:52,397	-	INFO	-	Iter	1090/10000,	Train	Loss:	0.0242
2025-03-18	12:40:52,697	-	INFO	-	Iter	1100/10000,	Train	Loss:	0.0242
2025-03-18	12:40:52,997	-	INFO	-	Iter	1110/10000,	Train	Loss:	0.0242
2025-03-18	12:40:53,305	-	INFO	-	Iter	1120/10000,	Train	Loss:	0.0241
2025-03-18	12:40:53,616	-	INFO	-	Iter	1130/10000,	Train	Loss:	0.0241
2025-03-18	12:40:53,921	-	INFO	-	Iter	1140/10000,	Train	Loss:	0.0241
2025-03-18	12:40:54,230	-	INFO	-	Iter	1150/10000,	Train	Loss:	0.0241
2025-03-18	12:40:54,535	-	INFO	-	Iter	1160/10000,	Train	Loss:	0.0240
2025-03-18	12:40:54,839	-	INFO	-	Iter	1170/10000,	Train	Loss:	0.0240
2025-03-18	12:40:55,145	-	INFO	-	Iter	1180/10000,	Train	Loss:	0.0240
2025-03-18	12:40:55,461	-	INFO	-	Iter	1190/10000,	Train	Loss:	0.0239
2025-03-18	12:40:55,768	-	INFO	-	Iter	1200/10000,	Train	Loss:	0.0239
2025-03-18	12:40:56,081	-	INFO	-	Iter	1210/10000,	Train	Loss:	0.0239
2025-03-18	12:40:56,390	-	INFO	-	Iter	1220/10000,	Train	Loss:	0.0239
2025-03-18	12:40:56,708	-	INFO	-	Iter	1230/10000,	Train	Loss:	0.0239
2025-03-18	12:40:57,004	-	INFO	-	Iter	1240/10000,	Train	Loss:	0.0238
2025-03-18	12:40:57,321	-	INFO	-	Iter	1250/10000,	Train	Loss:	0.0238
2025-03-18	12:40:57,625	-	INFO	-	Iter	1260/10000,	Train	Loss:	0.0238
2025-03-18	12:40:57,925	-	INFO	-	Iter	1270/10000,	Train	Loss:	0.0238
2025-03-18	12:40:58,234	-	INFO	-	Iter	1280/10000,	Train	Loss:	0.0237
2025-03-18	12:40:58,538	-	INFO	-	Iter	1290/10000,	Train	Loss:	0.0237
2025-03-18	12:40:58,837	-	INFO	-	Iter	1300/10000,	Train	Loss:	0.0237
2025-03-18	12:40:59,138	-	INFO	-	Iter	1310/10000,	Train	Loss:	0.0237
2025-03-18	12:40:59,442	-	INFO	-	Iter	1320/10000,	Train	Loss:	0.0237
2025-03-18	12:40:59,742	-	INFO	-	Iter	1330/10000,	Train	Loss:	0.0236
2025-03-18	12:41:00,049	-	INFO	-	Iter	1340/10000,	Train	Loss:	0.0236
2025-03-18	12:41:00,354	-	INFO	-	Iter	1350/10000,	Train	Loss:	0.0236
2025-03-18	12:41:00,655	-	INFO	-	Iter	1360/10000,	Train	Loss:	0.0236
2025-03-18	12:41:00,956	-	INFO	-	Iter	1370/10000,	Train	Loss:	0.0236
2025-03-18	12:41:01,259	-	INFO	-	Iter	1380/10000,	Train	Loss:	0.0235
2025-03-18	12:41:01,559	-	INFO	-	Iter	1390/10000,	Train	Loss:	0.0235
2025-03-18	12:41:01,876	-	INFO	-	Iter	1400/10000,	Train	Loss:	0.0235
2025-03-18	12:41:02,215	-	INFO	-	Iter	1410/10000,	Train	Loss:	0.0235
2025-03-18	12:41:02,516	-	INFO	-	Iter	1420/10000,	Train	Loss:	0.0235
2025-03-18	12:41:02,819	-	INFO	-	Iter	1430/10000,	Train	Loss:	0.0234
2025-03-18	12:41:03,122	-	INFO	-	Iter	1440/10000,	Train	Loss:	0.0234
2025-03-18	12:41:03,428	-	INFO	-	Iter	1450/10000,	Train	Loss:	0.0234
2025-03-18	12:41:03,726	-	INFO	-	Iter	1460/10000,	Train	Loss:	0.0234
2025-03-18	12:41:04,023	-	INFO	-	Iter	1470			



2025-03-18	12:41:13,170	-	INFO	-	Iter	1770/10000,	Train Loss:	0.0229
2025-03-18	12:41:13,481	-	INFO	-	Iter	1780/10000,	Train Loss:	0.0229
2025-03-18	12:41:13,779	-	INFO	-	Iter	1790/10000,	Train Loss:	0.0229
2025-03-18	12:41:14,081	-	INFO	-	Iter	1800/10000,	Train Loss:	0.0229
2025-03-18	12:41:14,382	-	INFO	-	Iter	1810/10000,	Train Loss:	0.0229
2025-03-18	12:41:14,681	-	INFO	-	Iter	1820/10000,	Train Loss:	0.0229
2025-03-18	12:41:14,985	-	INFO	-	Iter	1830/10000,	Train Loss:	0.0228
2025-03-18	12:41:15,290	-	INFO	-	Iter	1840/10000,	Train Loss:	0.0228
2025-03-18	12:41:15,592	-	INFO	-	Iter	1850/10000,	Train Loss:	0.0228
2025-03-18	12:41:15,899	-	INFO	-	Iter	1860/10000,	Train Loss:	0.0228
2025-03-18	12:41:16,206	-	INFO	-	Iter	1870/10000,	Train Loss:	0.0228
2025-03-18	12:41:16,512	-	INFO	-	Iter	1880/10000,	Train Loss:	0.0228
2025-03-18	12:41:16,814	-	INFO	-	Iter	1890/10000,	Train Loss:	0.0228
2025-03-18	12:41:17,113	-	INFO	-	Iter	1900/10000,	Train Loss:	0.0228
2025-03-18	12:41:17,412	-	INFO	-	Iter	1910/10000,	Train Loss:	0.0227
2025-03-18	12:41:17,711	-	INFO	-	Iter	1920/10000,	Train Loss:	0.0227
2025-03-18	12:41:18,010	-	INFO	-	Iter	1930/10000,	Train Loss:	0.0227
2025-03-18	12:41:18,317	-	INFO	-	Iter	1940/10000,	Train Loss:	0.0227
2025-03-18	12:41:18,624	-	INFO	-	Iter	1950/10000,	Train Loss:	0.0227
2025-03-18	12:41:18,926	-	INFO	-	Iter	1960/10000,	Train Loss:	0.0227
2025-03-18	12:41:19,230	-	INFO	-	Iter	1970/10000,	Train Loss:	0.0227
2025-03-18	12:41:19,529	-	INFO	-	Iter	1980/10000,	Train Loss:	0.0227
2025-03-18	12:41:19,831	-	INFO	-	Iter	1990/10000,	Train Loss:	0.0227
2025-03-18	12:41:20,131	-	INFO	-	Iter	2000/10000,	Train Loss:	0.0227
2025-03-18	12:41:20,434	-	INFO	-	Iter	2010/10000,	Train Loss:	0.0226
2025-03-18	12:41:20,739	-	INFO	-	Iter	2020/10000,	Train Loss:	0.0226
2025-03-18	12:41:21,040	-	INFO	-	Iter	2030/10000,	Train Loss:	0.0226
2025-03-18	12:41:21,346	-	INFO	-	Iter	2040/10000,	Train Loss:	0.0226
2025-03-18	12:41:21,643	-	INFO	-	Iter	2050/10000,	Train Loss:	0.0226
2025-03-18	12:41:21,942	-	INFO	-	Iter	2060/10000,	Train Loss:	0.0226
2025-03-18	12:41:22,238	-	INFO	-	Iter	2070/10000,	Train Loss:	0.0226
2025-03-18	12:41:22,558	-	INFO	-	Iter	2080/10000,	Train Loss:	0.0226
2025-03-18	12:41:22,854	-	INFO	-	Iter	2090/10000,	Train Loss:	0.0226
2025-03-18	12:41:23,161	-	INFO	-	Iter	2100/10000,	Train Loss:	0.0226
2025-03-18	12:41:23,463	-	INFO	-	Iter	2110/10000,	Train Loss:	0.0225
2025-03-18	12:41:23,768	-	INFO	-	Iter	2120/10000,	Train Loss:	0.0225
2025-03-18	12:41:24,081	-	INFO	-	Iter	2130/10000,	Train Loss:	0.0225
2025-03-18	12:41:24,384	-	INFO	-	Iter	2140/10000,	Train Loss:	0.0225
2025-03-18	12:41:24,684	-	INFO	-	Iter	2150/10000,	Train Loss:	0.0225
2025-03-18	12:41:24,982	-	INFO	-	Iter	2160/10000,	Train Loss:	0.0225
2025-03-18	12:41:25,280	-	INFO	-	Iter	2170/10000,	Train Loss:	0.0225
2025-03-18	12:41:25,584	-	INFO	-	Iter	2180/10000,	Train Loss:	0.0225
2025-03-18	12:41:25,881	-	INFO	-	Iter	2190/10000,	Train Loss:	0.0225
2025-03-18	12:41:26,182	-	INFO	-	Iter	2200/10000,	Train Loss:	0.0225
2025-03-18	12:41:26,484	-	INFO	-	Iter	2210/10000,	Train Loss:	0.0224

2025-03-18	12:41:35,091	-	INFO	-	Iter	2490/10000,	Train	Loss:	0.0222
2025-03-18	12:41:35,399	-	INFO	-	Iter	2500/10000,	Train	Loss:	0.0222
2025-03-18	12:41:35,706	-	INFO	-	Iter	2510/10000,	Train	Loss:	0.0222
2025-03-18	12:41:36,012	-	INFO	-	Iter	2520/10000,	Train	Loss:	0.0222
2025-03-18	12:41:36,319	-	INFO	-	Iter	2530/10000,	Train	Loss:	0.0222
2025-03-18	12:41:36,629	-	INFO	-	Iter	2540/10000,	Train	Loss:	0.0222
2025-03-18	12:41:36,937	-	INFO	-	Iter	2550/10000,	Train	Loss:	0.0222
2025-03-18	12:41:37,248	-	INFO	-	Iter	2560/10000,	Train	Loss:	0.0222
2025-03-18	12:41:37,562	-	INFO	-	Iter	2570/10000,	Train	Loss:	0.0222
2025-03-18	12:41:37,866	-	INFO	-	Iter	2580/10000,	Train	Loss:	0.0222
2025-03-18	12:41:38,177	-	INFO	-	Iter	2590/10000,	Train	Loss:	0.0222
2025-03-18	12:41:38,477	-	INFO	-	Iter	2600/10000,	Train	Loss:	0.0222
2025-03-18	12:41:38,781	-	INFO	-	Iter	2610/10000,	Train	Loss:	0.0221
2025-03-18	12:41:39,087	-	INFO	-	Iter	2620/10000,	Train	Loss:	0.0221
2025-03-18	12:41:39,394	-	INFO	-	Iter	2630/10000,	Train	Loss:	0.0221
2025-03-18	12:41:39,710	-	INFO	-	Iter	2640/10000,	Train	Loss:	0.0221
2025-03-18	12:41:40,013	-	INFO	-	Iter	2650/10000,	Train	Loss:	0.0221
2025-03-18	12:41:40,331	-	INFO	-	Iter	2660/10000,	Train	Loss:	0.0221
2025-03-18	12:41:40,639	-	INFO	-	Iter	2670/10000,	Train	Loss:	0.0221
2025-03-18	12:41:40,946	-	INFO	-	Iter	2680/10000,	Train	Loss:	0.0221
2025-03-18	12:41:41,248	-	INFO	-	Iter	2690/10000,	Train	Loss:	0.0221
2025-03-18	12:41:41,549	-	INFO	-	Iter	2700/10000,	Train	Loss:	0.0221
2025-03-18	12:41:41,863	-	INFO	-	Iter	2710/10000,	Train	Loss:	0.0221
2025-03-18	12:41:42,169	-	INFO	-	Iter	2720/10000,	Train	Loss:	0.0221
2025-03-18	12:41:42,476	-	INFO	-	Iter	2730/10000,	Train	Loss:	0.0221
2025-03-18	12:41:42,793	-	INFO	-	Iter	2740/10000,	Train	Loss:	0.0221
2025-03-18	12:41:43,098	-	INFO	-	Iter	2750/10000,	Train	Loss:	0.0221
2025-03-18	12:41:43,400	-	INFO	-	Iter	2760/10000,	Train	Loss:	0.0220
2025-03-18	12:41:43,702	-	INFO	-	Iter	2770/10000,	Train	Loss:	0.0220
2025-03-18	12:41:44,003	-	INFO	-	Iter	2780/10000,	Train	Loss:	0.0220
2025-03-18	12:41:44,309	-	INFO	-	Iter	2790/10000,	Train	Loss:	0.0220
2025-03-18	12:41:44,606	-	INFO	-	Iter	2800/10000,	Train	Loss:	0.0220
2025-03-18	12:41:44,907	-	INFO	-	Iter	2810/10000,	Train	Loss:	0.0220
2025-03-18	12:41:45,235	-	INFO	-	Iter	2820/10000,	Train	Loss:	0.0220
2025-03-18	12:41:45,568	-	INFO	-	Iter	2830/10000,	Train	Loss:	0.0220
2025-03-18	12:41:45,903	-	INFO	-	Iter	2840/10000,	Train	Loss:	0.0220
2025-03-18	12:41:46,223	-	INFO	-	Iter	2850/10000,	Train	Loss:	0.0220
2025-03-18	12:41:46,537	-	INFO	-	Iter	2860/10000,	Train	Loss:	0.0220
2025-03-18	12:41:46,848	-	INFO	-	Iter	2870/10000,	Train	Loss:	0.0220
2025-03-18	12:41:47,152	-	INFO	-	Iter	2880/10000,	Train	Loss:	0.0220
2025-03-18	12:41:47,459	-	INFO	-	Iter	2890/10000,	Train	Loss:	0.0220
2025-03-18	12:41:47,760	-	INFO	-	Iter	2900/10000,	Train	Loss:	0.0220
2025-03-18	12:41:48,058	-	INFO	-	Iter	2910			



2025-03-18	12:41:57,169	-	INFO	-	Iter	3210/10000,	Train	Loss:	0.0218
2025-03-18	12:41:57,498	-	INFO	-	Iter	3220/10000,	Train	Loss:	0.0218
2025-03-18	12:41:57,820	-	INFO	-	Iter	3230/10000,	Train	Loss:	0.0218
2025-03-18	12:41:58,137	-	INFO	-	Iter	3240/10000,	Train	Loss:	0.0218
2025-03-18	12:41:58,470	-	INFO	-	Iter	3250/10000,	Train	Loss:	0.0218
2025-03-18	12:41:58,776	-	INFO	-	Iter	3260/10000,	Train	Loss:	0.0218
2025-03-18	12:41:59,079	-	INFO	-	Iter	3270/10000,	Train	Loss:	0.0218
2025-03-18	12:41:59,384	-	INFO	-	Iter	3280/10000,	Train	Loss:	0.0218
2025-03-18	12:41:59,695	-	INFO	-	Iter	3290/10000,	Train	Loss:	0.0218
2025-03-18	12:41:59,997	-	INFO	-	Iter	3300/10000,	Train	Loss:	0.0218
2025-03-18	12:42:00,308	-	INFO	-	Iter	3310/10000,	Train	Loss:	0.0218
2025-03-18	12:42:00,614	-	INFO	-	Iter	3320/10000,	Train	Loss:	0.0218
2025-03-18	12:42:00,922	-	INFO	-	Iter	3330/10000,	Train	Loss:	0.0218
2025-03-18	12:42:01,227	-	INFO	-	Iter	3340/10000,	Train	Loss:	0.021
2025-03-18	12:42:01,536	-	INFO	-	Iter	3350/10000,	Train	Loss:	0.0217
2025-03-18	12:42:01,847	-	INFO	-	Iter	3360/10000,	Train	Loss:	0.0217
2025-03-18	12:42:02,162	-	INFO	-	Iter	3370/10000,	Train	Loss:	0.0217
2025-03-18	12:42:02,483	-	INFO	-	Iter	3380/10000,	Train	Loss:	0.0217
2025-03-18	12:42:02,790	-	INFO	-	Iter	3390/10000,	Train	Loss:	0.0217
2025-03-18	12:42:03,112	-	INFO	-	Iter	3400/10000,	Train	Loss:	0.0217
2025-03-18	12:42:03,441	-	INFO	-	Iter	3410/10000,	Train	Loss:	0.0217
2025-03-18	12:42:03,742	-	INFO	-	Iter	3420/10000,	Train	Loss:	0.0217
2025-03-18	12:42:04,048	-	INFO	-	Iter	3430/10000,	Train	Loss:	0.0217
2025-03-18	12:42:04,363	-	INFO	-	Iter	3440/10000,	Train	Loss:	0.0217
2025-03-18	12:42:04,669	-	INFO	-	Iter	3450/10000,	Train	Loss:	0.0217
2025-03-18	12:42:04,985	-	INFO	-	Iter	3460/10000,	Train	Loss:	0.0217
2025-03-18	12:42:05,292	-	INFO	-	Iter	3470/10000,	Train	Loss:	0.0217
2025-03-18	12:42:05,599	-	INFO	-	Iter	3480/10000,	Train	Loss:	0.0217
2025-03-18	12:42:05,903	-	INFO	-	Iter	3490/10000,	Train	Loss:	0.0217
2025-03-18	12:42:06,208	-	INFO	-	Iter	3500/10000,	Train	Loss:	0.0217
2025-03-18	12:42:06,531	-	INFO	-	Iter	3510/10000,	Train	Loss:	0.0217
2025-03-18	12:42:06,845	-	INFO	-	Iter	3520/10000,	Train	Loss:	0.0217
2025-03-18	12:42:07,151	-	INFO	-	Iter	3530/10000,	Train	Loss:	0.0217
2025-03-18	12:42:07,460	-	INFO	-	Iter	3540/10000,	Train	Loss:	0.0217
2025-03-18	12:42:07,786	-	INFO	-	Iter	3550/10000,	Train	Loss:	0.0217
2025-03-18	12:42:08,098	-	INFO	-	Iter	3560/10000,	Train	Loss:	0.0217
2025-03-18	12:42:08,416	-	INFO	-	Iter	3570/10000,	Train	Loss:	0.0216
2025-03-18	12:42:08,735	-	INFO	-	Iter	3580/10000,	Train	Loss:	0.0216
2025-03-18	12:42:09,047	-	INFO	-	Iter	3590/10000,	Train	Loss:	0.0216
2025-03-18	12:42:09,367	-	INFO	-	Iter	3600/10000,	Train	Loss:	0.0216
2025-03-18	12:42:09,683	-	INFO	-	Iter	3610/10000,	Train	Loss:	0.0216
2025-03-18	12:42:10,009	-	INFO	-	Iter	3620/10000,	Train	Loss:	0.0216
2025-03-18	12:42:10,334	-	INFO	-	Iter	3630/			

2025-03-18	12:42:19,631	- INFO	- Iter	3930/10000,	Train Loss:	0.0215
2025-03-18	12:42:19,946	- INFO	- Iter	3940/10000,	Train Loss:	0.0215
2025-03-18	12:42:20,264	- INFO	- Iter	3950/10000,	Train Loss:	0.0215
2025-03-18	12:42:20,572	- INFO	- Iter	3960/10000,	Train Loss:	0.0215
2025-03-18	12:42:20,880	- INFO	- Iter	3970/10000,	Train Loss:	0.0215
2025-03-18	12:42:21,195	- INFO	- Iter	3980/10000,	Train Loss:	0.0215
2025-03-18	12:42:21,503	- INFO	- Iter	3990/10000,	Train Loss:	0.0215
2025-03-18	12:42:21,815	- INFO	- Iter	4000/10000,	Train Loss:	0.0215
2025-03-18	12:42:22,124	- INFO	- Iter	4010/10000,	Train Loss:	0.0215
2025-03-18	12:42:22,443	- INFO	- Iter	4020/10000,	Train Loss:	0.0215
2025-03-18	12:42:22,756	- INFO	- Iter	4030/10000,	Train Loss:	0.0215
2025-03-18	12:42:23,070	- INFO	- Iter	4040/10000,	Train Loss:	0.0215
2025-03-18	12:42:23,412	- INFO	- Iter	4050/10000,	Train Loss:	0.0215
2025-03-18	12:42:23,736	- INFO	- Iter	4060/10000,	Train Loss:	0.0215
2025-03-18	12:42:24,064	- INFO	- Iter	4070/10000,	Train Loss:	0.0215
2025-03-18	12:42:24,372	- INFO	- Iter	4080/10000,	Train Loss:	0.0215
2025-03-18	12:42:24,685	- INFO	- Iter	4090/10000,	Train Loss:	0.0215
2025-03-18	12:42:24,996	- INFO	- Iter	4100/10000,	Train Loss:	0.0215
2025-03-18	12:42:25,305	- INFO	- Iter	4110/10000,	Train Loss:	0.0215
2025-03-18	12:42:25,616	- INFO	- Iter	4120/10000,	Train Loss:	0.0215
2025-03-18	12:42:25,929	- INFO	- Iter	4130/10000,	Train Loss:	0.0214
2025-03-18	12:42:26,234	- INFO	- Iter	4140/10000,	Train Loss:	0.0214
2025-03-18	12:42:26,542	- INFO	- Iter	4150/10000,	Train Loss:	0.0214
2025-03-18	12:42:26,850	- INFO	- Iter	4160/10000,	Train Loss:	0.0214
2025-03-18	12:42:27,166	- INFO	- Iter	4170/10000,	Train Loss:	0.0214
2025-03-18	12:42:27,470	- INFO	- Iter	4180/10000,	Train Loss:	0.0214
2025-03-18	12:42:27,779	- INFO	- Iter	4190/10000,	Train Loss:	0.0214
2025-03-18	12:42:28,082	- INFO	- Iter	4200/10000,	Train Loss:	0.0214
2025-03-18	12:42:28,401	- INFO	- Iter	4210/10000,	Train Loss:	0.0214
2025-03-18	12:42:28,716	- INFO	- Iter	4220/10000,	Train Loss:	0.0214
2025-03-18	12:42:29,023	- INFO	- Iter	4230/10000,	Train Loss:	0.0214
2025-03-18	12:42:29,336	- INFO	- Iter	4240/10000,	Train Loss:	0.0214
2025-03-18	12:42:29,642	- INFO	- Iter	4250/10000,	Train Loss:	0.0214
2025-03-18	12:42:29,954	- INFO	- Iter	4260/10000,	Train Loss:	0.0214
2025-03-18	12:42:30,276	- INFO	- Iter	4270/10000,	Train Loss:	0.0214
2025-03-18	12:42:30,583	- INFO	- Iter	4280/10000,	Train Loss:	0.0214
2025-03-18	12:42:30,898	- INFO	- Iter	4290/10000,	Train Loss:	0.0214
2025-03-18	12:42:31,207	- INFO	- Iter	4300/10000,	Train Loss:	0.0214
2025-03-18	12:42:31,517	- INFO	- Iter	4310/10000,	Train Loss:	0.0214
2025-03-18	12:42:31,833	- INFO	- Iter	4320/10000,	Train Loss:	0.0214
2025-03-18	12:42:32,155	- INFO	- Iter	4330/10000,	Train Loss:	0.0214
2025-03-18	12:42:32,478	- INFO	- Iter	4340/10000,	Train Loss:	0.0214
2025-03-18	12:42:32,795	- INFO	- Iter	4350/10000,	Train Loss:	0.0214
2025-03-18	12:42:33,098	- INFO	- Iter	4360/10000,	Train Loss:	0.0214
2025-03-18	12:42:33,406	- INFO	- Iter	4370/10000,	Train Loss:	0.0214
2025-03-18	12:42:33,720	- INFO	- Iter	4380/10000,	Train Loss:	0.0214
2025-03-18	12:42:34,046	- INFO	- Iter	4390/10000,	Train Loss:	0.0214
2025-03-18	12:42:34,359	- INFO	- Iter	4400/10000,	Train Loss:	0.0214
2025-03-18	12:42:34,668	- INFO	- Iter	4410/10000,	Train Loss:	0.0214
2025-03-18	12:42:35,000	- INFO	- Iter	4420/10000,	Train Loss:	0.0214
2025-03-18	12:42:35,333	- INFO	- Iter</			

2025-03-18	12:42:42,223	-	INFO	-	Iter	4650/10000,	Train	Loss:	0.0213
2025-03-18	12:42:42,536	-	INFO	-	Iter	4660/10000,	Train	Loss:	0.0213
2025-03-18	12:42:42,846	-	INFO	-	Iter	4670/10000,	Train	Loss:	0.0213
2025-03-18	12:42:43,158	-	INFO	-	Iter	4680/10000,	Train	Loss:	0.0213
2025-03-18	12:42:43,469	-	INFO	-	Iter	4690/10000,	Train	Loss:	0.0213
2025-03-18	12:42:43,773	-	INFO	-	Iter	4700/10000,	Train	Loss:	0.0213
2025-03-18	12:42:44,103	-	INFO	-	Iter	4710/10000,	Train	Loss:	0.0213
2025-03-18	12:42:44,414	-	INFO	-	Iter	4720/10000,	Train	Loss:	0.0213
2025-03-18	12:42:44,732	-	INFO	-	Iter	4730/10000,	Train	Loss:	0.0213
2025-03-18	12:42:45,036	-	INFO	-	Iter	4740/10000,	Train	Loss:	0.0213
2025-03-18	12:42:45,350	-	INFO	-	Iter	4750/10000,	Train	Loss:	0.0213
2025-03-18	12:42:45,656	-	INFO	-	Iter	4760/10000,	Train	Loss:	0.0213
2025-03-18	12:42:45,961	-	INFO	-	Iter	4770/10000,	Train	Loss:	0.0213
2025-03-18	12:42:46,265	-	INFO	-	Iter	4780/10000,	Train	Loss:	0.0213
2025-03-18	12:42:46,579	-	INFO	-	Iter	4790/10000,	Train	Loss:	0.0213
2025-03-18	12:42:46,884	-	INFO	-	Iter	4800/10000,	Train	Loss:	0.0213
2025-03-18	12:42:47,195	-	INFO	-	Iter	4810/10000,	Train	Loss:	0.0213
2025-03-18	12:42:47,515	-	INFO	-	Iter	4820/10000,	Train	Loss:	0.0213
2025-03-18	12:42:47,853	-	INFO	-	Iter	4830/10000,	Train	Loss:	0.0212
2025-03-18	12:42:48,160	-	INFO	-	Iter	4840/10000,	Train	Loss:	0.0212
2025-03-18	12:42:48,471	-	INFO	-	Iter	4850/10000,	Train	Loss:	0.0212
2025-03-18	12:42:48,773	-	INFO	-	Iter	4860/10000,	Train	Loss:	0.0212
2025-03-18	12:42:49,079	-	INFO	-	Iter	4870/10000,	Train	Loss:	0.0212
2025-03-18	12:42:49,385	-	INFO	-	Iter	4880/10000,	Train	Loss:	0.0212
2025-03-18	12:42:49,693	-	INFO	-	Iter	4890/10000,	Train	Loss:	0.0212
2025-03-18	12:42:50,001	-	INFO	-	Iter	4900/10000,	Train	Loss:	0.0212
2025-03-18	12:42:50,318	-	INFO	-	Iter	4910/10000,	Train	Loss:	0.0212
2025-03-18	12:42:50,640	-	INFO	-	Iter	4920/10000,	Train	Loss:	0.0212
2025-03-18	12:42:50,956	-	INFO	-	Iter	4930/10000,	Train	Loss:	0.0212
2025-03-18	12:42:51,264	-	INFO	-	Iter	4940/10000,	Train	Loss:	0.0212
2025-03-18	12:42:51,569	-	INFO	-	Iter	4950/10000,	Train	Loss:	0.0212
2025-03-18	12:42:51,879	-	INFO	-	Iter	4960/10000,	Train	Loss:	0.0212
2025-03-18	12:42:52,189	-	INFO	-	Iter	4970/10000,	Train	Loss:	0.0212
2025-03-18	12:42:52,518	-	INFO	-	Iter	4980/10000,	Train	Loss:	0.0212
2025-03-18	12:42:52,831	-	INFO	-	Iter	4990/10000,	Train	Loss:	0.0212
2025-03-18	12:42:53,138	-	INFO	-	Iter	5000/10000,	Train	Loss:	0.0212
2025-03-18	12:42:53,463	-	INFO	-	Iter	5010/10000,	Train	Loss:	0.0212
2025-03-18	12:42:53,789	-	INFO	-	Iter	5020/10000,	Train	Loss:	0.0212
2025-03-18	12:42:54,100	-	INFO	-	Iter	5030/10000,	Train	Loss:	0.0212
2025-03-18	12:42:54,434	-	INFO	-	Iter	5040/10000,	Train	Loss:	0.0212
2025-03-18	12:42:54,755	-	INFO	-	Iter	5050/10000,	Train	Loss:	0.0212
2025-03-18	12:42:55,068	-	INFO	-	Iter	5060/10000,	Train	Loss:	0.0212
2025-03-18	12:42:55,387	-	INFO	-	Iter	5070			

2025-03-18	12:43:04,688	-	INFO	-	Iter	5370/10000,	Train Loss:	0.0211
2025-03-18	12:43:05,005	-	INFO	-	Iter	5380/10000,	Train Loss:	0.0211
2025-03-18	12:43:05,330	-	INFO	-	Iter	5390/10000,	Train Loss:	0.0211
2025-03-18	12:43:05,636	-	INFO	-	Iter	5400/10000,	Train Loss:	0.0211
2025-03-18	12:43:05,949	-	INFO	-	Iter	5410/10000,	Train Loss:	0.0211
2025-03-18	12:43:06,260	-	INFO	-	Iter	5420/10000,	Train Loss:	0.0211
2025-03-18	12:43:06,571	-	INFO	-	Iter	5430/10000,	Train Loss:	0.0211
2025-03-18	12:43:06,873	-	INFO	-	Iter	5440/10000,	Train Loss:	0.0211
2025-03-18	12:43:07,198	-	INFO	-	Iter	5450/10000,	Train Loss:	0.0211
2025-03-18	12:43:07,506	-	INFO	-	Iter	5460/10000,	Train Loss:	0.0211
2025-03-18	12:43:07,815	-	INFO	-	Iter	5470/10000,	Train Loss:	0.0211
2025-03-18	12:43:08,124	-	INFO	-	Iter	5480/10000,	Train Loss:	0.0211
2025-03-18	12:43:08,439	-	INFO	-	Iter	5490/10000,	Train Loss:	0.0211
2025-03-18	12:43:08,750	-	INFO	-	Iter	5500/10000,	Train Loss:	0.0211
2025-03-18	12:43:09,061	-	INFO	-	Iter	5510/10000,	Train Loss:	0.0211
2025-03-18	12:43:09,401	-	INFO	-	Iter	5520/10000,	Train Loss:	0.0211
2025-03-18	12:43:09,729	-	INFO	-	Iter	5530/10000,	Train Loss:	0.0211
2025-03-18	12:43:10,040	-	INFO	-	Iter	5540/10000,	Train Loss:	0.0211
2025-03-18	12:43:10,354	-	INFO	-	Iter	5550/10000,	Train Loss:	0.0211
2025-03-18	12:43:10,659	-	INFO	-	Iter	5560/10000,	Train Loss:	0.0211
2025-03-18	12:43:10,973	-	INFO	-	Iter	5570/10000,	Train Loss:	0.0211
2025-03-18	12:43:11,293	-	INFO	-	Iter	5580/10000,	Train Loss:	0.0211
2025-03-18	12:43:11,612	-	INFO	-	Iter	5590/10000,	Train Loss:	0.0211
2025-03-18	12:43:11,919	-	INFO	-	Iter	5600/10000,	Train Loss:	0.0211
2025-03-18	12:43:12,231	-	INFO	-	Iter	5610/10000,	Train Loss:	0.0211
2025-03-18	12:43:12,535	-	INFO	-	Iter	5620/10000,	Train Loss:	0.0211
2025-03-18	12:43:12,840	-	INFO	-	Iter	5630/10000,	Train Loss:	0.0211
2025-03-18	12:43:13,150	-	INFO	-	Iter	5640/10000,	Train Loss:	0.0211
2025-03-18	12:43:13,467	-	INFO	-	Iter	5650/10000,	Train Loss:	0.0211
2025-03-18	12:43:13,782	-	INFO	-	Iter	5660/10000,	Train Loss:	0.0211
2025-03-18	12:43:14,096	-	INFO	-	Iter	5670/10000,	Train Loss:	0.0211
2025-03-18	12:43:14,408	-	INFO	-	Iter	5680/10000,	Train Loss:	0.0211
2025-03-18	12:43:14,736	-	INFO	-	Iter	5690/10000,	Train Loss:	0.0211
2025-03-18	12:43:15,043	-	INFO	-	Iter	5700/10000,	Train Loss:	0.0211
2025-03-18	12:43:15,356	-	INFO	-	Iter	5710/10000,	Train Loss:	0.0211
2025-03-18	12:43:15,663	-	INFO	-	Iter	5720/10000,	Train Loss:	0.0210
2025-03-18	12:43:15,968	-	INFO	-	Iter	5730/10000,	Train Loss:	0.0210
2025-03-18	12:43:16,282	-	INFO	-	Iter	5740/10000,	Train Loss:	0.0210
2025-03-18	12:43:16,608	-	INFO	-	Iter	5750/10000,	Train Loss:	0.0210
2025-03-18	12:43:16,924	-	INFO	-	Iter	5760/10000,	Train Loss:	0.0210
2025-03-18	12:43:17,232	-	INFO	-	Iter	5770/10000,	Train Loss:	0.0210
2025-03-18	12:43:17,549	-	INFO	-	Iter	5780/10000,	Train Loss:	0.0210
2025-03-18	12:43:17,862	-	INFO	-	Iter	5790/10000,	Train Loss:	0.0210
2025-03-18	12:43:18,175	-	INFO	-	Iter	5800/10000,	Train Loss:	0.0210
2025-03-18	12:43:18,495	-	INFO	-	Iter	5810/10000,	Train Loss:	0.0210



2025-03-18	12:43:27,183	-	INFO	-	Iter	6090/10000,	Train Loss:	0.0210
2025-03-18	12:43:27,494	-	INFO	-	Iter	6100/10000,	Train Loss:	0.0210
2025-03-18	12:43:27,801	-	INFO	-	Iter	6110/10000,	Train Loss:	0.0210
2025-03-18	12:43:28,112	-	INFO	-	Iter	6120/10000,	Train Loss:	0.0210
2025-03-18	12:43:28,426	-	INFO	-	Iter	6130/10000,	Train Loss:	0.0210
2025-03-18	12:43:28,733	-	INFO	-	Iter	6140/10000,	Train Loss:	0.0210
2025-03-18	12:43:29,040	-	INFO	-	Iter	6150/10000,	Train Loss:	0.0210
2025-03-18	12:43:29,350	-	INFO	-	Iter	6160/10000,	Train Loss:	0.0210
2025-03-18	12:43:29,654	-	INFO	-	Iter	6170/10000,	Train Loss:	0.0210
2025-03-18	12:43:29,964	-	INFO	-	Iter	6180/10000,	Train Loss:	0.0210
2025-03-18	12:43:30,268	-	INFO	-	Iter	6190/10000,	Train Loss:	0.0210
2025-03-18	12:43:30,580	-	INFO	-	Iter	6200/10000,	Train Loss:	0.0210
2025-03-18	12:43:30,890	-	INFO	-	Iter	6210/10000,	Train Loss:	0.0210
2025-03-18	12:43:31,199	-	INFO	-	Iter	6220/10000,	Train Loss:	0.0210
2025-03-18	12:43:31,507	-	INFO	-	Iter	6230/10000,	Train Loss:	0.0210
2025-03-18	12:43:31,818	-	INFO	-	Iter	6240/10000,	Train Loss:	0.0210
2025-03-18	12:43:32,125	-	INFO	-	Iter	6250/10000,	Train Loss:	0.0209
2025-03-18	12:43:32,435	-	INFO	-	Iter	6260/10000,	Train Loss:	0.0209
2025-03-18	12:43:32,751	-	INFO	-	Iter	6270/10000,	Train Loss:	0.0209
2025-03-18	12:43:33,062	-	INFO	-	Iter	6280/10000,	Train Loss:	0.0209
2025-03-18	12:43:33,369	-	INFO	-	Iter	6290/10000,	Train Loss:	0.0209
2025-03-18	12:43:33,681	-	INFO	-	Iter	6300/10000,	Train Loss:	0.0209
2025-03-18	12:43:33,997	-	INFO	-	Iter	6310/10000,	Train Loss:	0.0209
2025-03-18	12:43:34,306	-	INFO	-	Iter	6320/10000,	Train Loss:	0.0209
2025-03-18	12:43:34,611	-	INFO	-	Iter	6330/10000,	Train Loss:	0.0209
2025-03-18	12:43:34,918	-	INFO	-	Iter	6340/10000,	Train Loss:	0.0209
2025-03-18	12:43:35,239	-	INFO	-	Iter	6350/10000,	Train Loss:	0.0209
2025-03-18	12:43:35,551	-	INFO	-	Iter	6360/10000,	Train Loss:	0.0209
2025-03-18	12:43:35,861	-	INFO	-	Iter	6370/10000,	Train Loss:	0.0209
2025-03-18	12:43:36,168	-	INFO	-	Iter	6380/10000,	Train Loss:	0.0209
2025-03-18	12:43:36,478	-	INFO	-	Iter	6390/10000,	Train Loss:	0.0209
2025-03-18	12:43:36,784	-	INFO	-	Iter	6400/10000,	Train Loss:	0.0209
2025-03-18	12:43:37,114	-	INFO	-	Iter	6410/10000,	Train Loss:	0.0209
2025-03-18	12:43:37,449	-	INFO	-	Iter	6420/10000,	Train Loss:	0.0209
2025-03-18	12:43:37,764	-	INFO	-	Iter	6430/10000,	Train Loss:	0.0209
2025-03-18	12:43:38,074	-	INFO	-	Iter	6440/10000,	Train Loss:	0.0209
2025-03-18	12:43:38,384	-	INFO	-	Iter	6450/10000,	Train Loss:	0.0209
2025-03-18	12:43:38,693	-	INFO	-	Iter	6460/10000,	Train Loss:	0.0209
2025-03-18	12:43:39,005	-	INFO	-	Iter	6470/10000,	Train Loss:	0.0209
2025-03-18	12:43:39,321	-	INFO	-	Iter	6480/10000,	Train Loss:	0.0209
2025-03-18	12:43:39,632	-	INFO	-	Iter	6490/10000,	Train Loss:	0.0209
2025-03-18	12:43:39,939	-	INFO	-	Iter	6500/10000,	Train Loss:	0.0209
2025-03-18	12:43:40,260	-	INFO	-	Iter	6510/10000,	Train Loss:	0.0209
2025-03-18	12:43:40,575	-	INFO	-	Iter	6520/10000,	Train Loss:	0.0209
2025-03-18	12:43:40,887	-	INFO	-	Iter	6530/10000,	Train Loss:	0.0209

2025-03-18	12:43:49,577	-	INFO	-	Iter	6810/10000,	Train Loss:	0.0209
2025-03-18	12:43:49,887	-	INFO	-	Iter	6820/10000,	Train Loss:	0.0209
2025-03-18	12:43:50,195	-	INFO	-	Iter	6830/10000,	Train Loss:	0.0209
2025-03-18	12:43:50,499	-	INFO	-	Iter	6840/10000,	Train Loss:	0.0209
2025-03-18	12:43:50,806	-	INFO	-	Iter	6850/10000,	Train Loss:	0.0209
2025-03-18	12:43:51,114	-	INFO	-	Iter	6860/10000,	Train Loss:	0.0208
2025-03-18	12:43:51,422	-	INFO	-	Iter	6870/10000,	Train Loss:	0.0208
2025-03-18	12:43:51,732	-	INFO	-	Iter	6880/10000,	Train Loss:	0.0208
2025-03-18	12:43:52,038	-	INFO	-	Iter	6890/10000,	Train Loss:	0.0208
2025-03-18	12:43:52,347	-	INFO	-	Iter	6900/10000,	Train Loss:	0.0208
2025-03-18	12:43:52,656	-	INFO	-	Iter	6910/10000,	Train Loss:	0.0208
2025-03-18	12:43:52,961	-	INFO	-	Iter	6920/10000,	Train Loss:	0.0208
2025-03-18	12:43:53,271	-	INFO	-	Iter	6930/10000,	Train Loss:	0.0208
2025-03-18	12:43:53,589	-	INFO	-	Iter	6940/10000,	Train Loss:	0.0208
2025-03-18	12:43:53,911	-	INFO	-	Iter	6950/10000,	Train Loss:	0.0208
2025-03-18	12:43:54,226	-	INFO	-	Iter	6960/10000,	Train Loss:	0.0208
2025-03-18	12:43:54,540	-	INFO	-	Iter	6970/10000,	Train Loss:	0.0208
2025-03-18	12:43:54,847	-	INFO	-	Iter	6980/10000,	Train Loss:	0.0208
2025-03-18	12:43:55,155	-	INFO	-	Iter	6990/10000,	Train Loss:	0.0208
2025-03-18	12:43:55,474	-	INFO	-	Iter	7000/10000,	Train Loss:	0.0208
2025-03-18	12:43:55,783	-	INFO	-	Iter	7010/10000,	Train Loss:	0.0208
2025-03-18	12:43:56,097	-	INFO	-	Iter	7020/10000,	Train Loss:	0.0208
2025-03-18	12:43:56,401	-	INFO	-	Iter	7030/10000,	Train Loss:	0.0208
2025-03-18	12:43:56,708	-	INFO	-	Iter	7040/10000,	Train Loss:	0.0208
2025-03-18	12:43:57,014	-	INFO	-	Iter	7050/10000,	Train Loss:	0.0208
2025-03-18	12:43:57,333	-	INFO	-	Iter	7060/10000,	Train Loss:	0.0208
2025-03-18	12:43:57,651	-	INFO	-	Iter	7070/10000,	Train Loss:	0.0208
2025-03-18	12:43:57,954	-	INFO	-	Iter	7080/10000,	Train Loss:	0.0208
2025-03-18	12:43:58,266	-	INFO	-	Iter	7090/10000,	Train Loss:	0.0208
2025-03-18	12:43:58,578	-	INFO	-	Iter	7100/10000,	Train Loss:	0.0208
2025-03-18	12:43:58,880	-	INFO	-	Iter	7110/10000,	Train Loss:	0.0208
2025-03-18	12:43:59,189	-	INFO	-	Iter	7120/10000,	Train Loss:	0.0208
2025-03-18	12:43:59,497	-	INFO	-	Iter	7130/10000,	Train Loss:	0.0208
2025-03-18	12:43:59,802	-	INFO	-	Iter	7140/10000,	Train Loss:	0.0208
2025-03-18	12:44:00,115	-	INFO	-	Iter	7150/10000,	Train Loss:	0.0208
2025-03-18	12:44:00,431	-	INFO	-	Iter	7160/10000,	Train Loss:	0.0208
2025-03-18	12:44:00,752	-	INFO	-	Iter	7170/10000,	Train Loss:	0.0208
2025-03-18	12:44:01,077	-	INFO	-	Iter	7180/10000,	Train Loss:	0.0208
2025-03-18	12:44:01,392	-	INFO	-	Iter	7190/10000,	Train Loss:	0.0208
2025-03-18	12:44:01,702	-	INFO	-	Iter	7200/10000,	Train Loss:	0.0208
2025-03-18	12:44:02,010	-	INFO	-	Iter	7210/10000,	Train Loss:	0.0208
2025-03-18	12:44:02,330	-	INFO	-	Iter	7220/10000,	Train Loss:	0.0208
2025-03-18	12:44:02,632	-	INFO	-	Iter	7230/10000,	Train Loss:	0.0208
2025-03-18	12:44:02,945	-	INFO	-	Iter	7240/10000,	Train Loss:	0.0208
2025-03-18	12:44:03,251	-	INFO	-	Iter	7250/10000,	Train Loss:	0.0208



2025-03-18	12:44:12,026	- INFO	- Iter	7530/10000,	Train Loss:	0.0208
2025-03-18	12:44:12,336	- INFO	- Iter	7540/10000,	Train Loss:	0.0208
2025-03-18	12:44:12,640	- INFO	- Iter	7550/10000,	Train Loss:	0.0208
2025-03-18	12:44:12,944	- INFO	- Iter	7560/10000,	Train Loss:	0.0207
2025-03-18	12:44:13,258	- INFO	- Iter	7570/10000,	Train Loss:	0.0207
2025-03-18	12:44:13,566	- INFO	- Iter	7580/10000,	Train Loss:	0.0207
2025-03-18	12:44:13,881	- INFO	- Iter	7590/10000,	Train Loss:	0.0207
2025-03-18	12:44:14,193	- INFO	- Iter	7600/10000,	Train Loss:	0.0207
2025-03-18	12:44:14,503	- INFO	- Iter	7610/10000,	Train Loss:	0.0207
2025-03-18	12:44:14,812	- INFO	- Iter	7620/10000,	Train Loss:	0.0207
2025-03-18	12:44:15,119	- INFO	- Iter	7630/10000,	Train Loss:	0.0207
2025-03-18	12:44:15,439	- INFO	- Iter	7640/10000,	Train Loss:	0.0207
2025-03-18	12:44:15,742	- INFO	- Iter	7650/10000,	Train Loss:	0.0207
2025-03-18	12:44:16,065	- INFO	- Iter	7660/10000,	Train Loss:	0.0207
2025-03-18	12:44:16,375	- INFO	- Iter	7670/10000,	Train Loss:	0.0207
2025-03-18	12:44:16,678	- INFO	- Iter	7680/10000,	Train Loss:	0.0207
2025-03-18	12:44:16,984	- INFO	- Iter	7690/10000,	Train Loss:	0.0207
2025-03-18	12:44:17,291	- INFO	- Iter	7700/10000,	Train Loss:	0.0207
2025-03-18	12:44:17,601	- INFO	- Iter	7710/10000,	Train Loss:	0.0207
2025-03-18	12:44:17,907	- INFO	- Iter	7720/10000,	Train Loss:	0.0207
2025-03-18	12:44:18,215	- INFO	- Iter	7730/10000,	Train Loss:	0.0207
2025-03-18	12:44:18,525	- INFO	- Iter	7740/10000,	Train Loss:	0.0207
2025-03-18	12:44:18,832	- INFO	- Iter	7750/10000,	Train Loss:	0.0207
2025-03-18	12:44:19,136	- INFO	- Iter	7760/10000,	Train Loss:	0.0207
2025-03-18	12:44:19,447	- INFO	- Iter	7770/10000,	Train Loss:	0.0207
2025-03-18	12:44:19,764	- INFO	- Iter	7780/10000,	Train Loss:	0.0207
2025-03-18	12:44:20,073	- INFO	- Iter	7790/10000,	Train Loss:	0.0207
2025-03-18	12:44:20,382	- INFO	- Iter	7800/10000,	Train Loss:	0.0207
2025-03-18	12:44:20,691	- INFO	- Iter	7810/10000,	Train Loss:	0.0207
2025-03-18	12:44:21,001	- INFO	- Iter	7820/10000,	Train Loss:	0.0207
2025-03-18	12:44:21,322	- INFO	- Iter	7830/10000,	Train Loss:	0.0207
2025-03-18	12:44:21,632	- INFO	- Iter	7840/10000,	Train Loss:	0.0207
2025-03-18	12:44:21,944	- INFO	- Iter	7850/10000,	Train Loss:	0.0207
2025-03-18	12:44:22,264	- INFO	- Iter	7860/10000,	Train Loss:	0.0207
2025-03-18	12:44:22,581	- INFO	- Iter	7870/10000,	Train Loss:	0.0207
2025-03-18	12:44:22,893	- INFO	- Iter	7880/10000,	Train Loss:	0.0207
2025-03-18	12:44:23,207	- INFO	- Iter	7890/10000,	Train Loss:	0.0207
2025-03-18	12:44:23,519	- INFO	- Iter	7900/10000,	Train Loss:	0.0207
2025-03-18	12:44:23,831	- INFO	- Iter	7910/10000,	Train Loss:	0.0207
2025-03-18	12:44:24,145	- INFO	- Iter	7920/10000,	Train Loss:	0.0207
2025-03-18	12:44:24,477	- INFO	- Iter	7930/10000,	Train Loss:	0.0207
2025-03-18	12:44:24,790	- INFO	- Iter	7940/10000,	Train Loss:	0.0207
2025-03-18	12:44:25,099	- INFO	- Iter	7950/10000,	Train Loss:	0.0207
2025-03-18	12:44:25,421	- INFO	- Iter	7960/10000,	Train Loss:	0.0207
2025-03-18	12:44:25,736	- INFO	- Iter	7970/10000,	Train Loss:	0.0207
2025-03-18	12:44:26,049	- INFO	- Iter	7980/10000,	Train Loss:	0.0207
2025-03-18	12:44:26,373	- INFO	- Iter	7990/10000,	Train Loss:	0.0207
2025-03-18	12:44:26,680	- INFO	- Iter	8000/10000,	Train Loss:	0.0207
2025-03-18	12:44:26,991	- INFO	- Iter	8010/10000,	Train Loss:	0.0207
2025-03-18	12:44:27,306	- INFO	- Iter	8020/10000,	Train Loss:	0.0207
2025-03-18	12:44:27,619	- INFO	- Iter</			

2025-03-18	12:44:34,762	-	INFO	-	Iter	8250/10000,	Train	Loss:	0.0207
2025-03-18	12:44:35,094	-	INFO	-	Iter	8260/10000,	Train	Loss:	0.0207
2025-03-18	12:44:35,428	-	INFO	-	Iter	8270/10000,	Train	Loss:	0.0207
2025-03-18	12:44:35,755	-	INFO	-	Iter	8280/10000,	Train	Loss:	0.0207
2025-03-18	12:44:36,062	-	INFO	-	Iter	8290/10000,	Train	Loss:	0.0207
2025-03-18	12:44:36,385	-	INFO	-	Iter	8300/10000,	Train	Loss:	0.0207
2025-03-18	12:44:36,699	-	INFO	-	Iter	8310/10000,	Train	Loss:	0.0207
2025-03-18	12:44:37,016	-	INFO	-	Iter	8320/10000,	Train	Loss:	0.0207
2025-03-18	12:44:37,347	-	INFO	-	Iter	8330/10000,	Train	Loss:	0.0207
2025-03-18	12:44:37,682	-	INFO	-	Iter	8340/10000,	Train	Loss:	0.0207
2025-03-18	12:44:38,014	-	INFO	-	Iter	8350/10000,	Train	Loss:	0.0207
2025-03-18	12:44:38,348	-	INFO	-	Iter	8360/10000,	Train	Loss:	0.0206
2025-03-18	12:44:38,680	-	INFO	-	Iter	8370/10000,	Train	Loss:	0.0206
2025-03-18	12:44:39,009	-	INFO	-	Iter	8380/10000,	Train	Loss:	0.0206
2025-03-18	12:44:39,338	-	INFO	-	Iter	8390/10000,	Train	Loss:	0.0206
2025-03-18	12:44:39,665	-	INFO	-	Iter	8400/10000,	Train	Loss:	0.0206
2025-03-18	12:44:39,991	-	INFO	-	Iter	8410/10000,	Train	Loss:	0.0206
2025-03-18	12:44:40,318	-	INFO	-	Iter	8420/10000,	Train	Loss:	0.0206
2025-03-18	12:44:40,645	-	INFO	-	Iter	8430/10000,	Train	Loss:	0.0206
2025-03-18	12:44:40,979	-	INFO	-	Iter	8440/10000,	Train	Loss:	0.0206
2025-03-18	12:44:41,307	-	INFO	-	Iter	8450/10000,	Train	Loss:	0.0206
2025-03-18	12:44:41,634	-	INFO	-	Iter	8460/10000,	Train	Loss:	0.0206
2025-03-18	12:44:41,964	-	INFO	-	Iter	8470/10000,	Train	Loss:	0.0206
2025-03-18	12:44:42,290	-	INFO	-	Iter	8480/10000,	Train	Loss:	0.0206
2025-03-18	12:44:42,613	-	INFO	-	Iter	8490/10000,	Train	Loss:	0.0206
2025-03-18	12:44:42,943	-	INFO	-	Iter	8500/10000,	Train	Loss:	0.0206
2025-03-18	12:44:43,265	-	INFO	-	Iter	8510/10000,	Train	Loss:	0.0206
2025-03-18	12:44:43,597	-	INFO	-	Iter	8520/10000,	Train	Loss:	0.0206
2025-03-18	12:44:43,930	-	INFO	-	Iter	8530/10000,	Train	Loss:	0.0206
2025-03-18	12:44:44,262	-	INFO	-	Iter	8540/10000,	Train	Loss:	0.0206
2025-03-18	12:44:44,591	-	INFO	-	Iter	8550/10000,	Train	Loss:	0.0206
2025-03-18	12:44:44,914	-	INFO	-	Iter	8560/10000,	Train	Loss:	0.0206
2025-03-18	12:44:45,234	-	INFO	-	Iter	8570/10000,	Train	Loss:	0.0206
2025-03-18	12:44:45,563	-	INFO	-	Iter	8580/10000,	Train	Loss:	0.0206
2025-03-18	12:44:45,898	-	INFO	-	Iter	8590/10000,	Train	Loss:	0.0206
2025-03-18	12:44:46,228	-	INFO	-	Iter	8600/10000,	Train	Loss:	0.0206
2025-03-18	12:44:46,567	-	INFO	-	Iter	8610/10000,	Train	Loss:	0.0206
2025-03-18	12:44:46,897	-	INFO	-	Iter	8620/10000,	Train	Loss:	0.0206
2025-03-18	12:44:47,222	-	INFO	-	Iter	8630/10000,	Train	Loss:	0.0206
2025-03-18	12:44:47,546	-	INFO	-	Iter	8640/10000,	Train	Loss:	0.0206
2025-03-18	12:44:47,872	-	INFO	-	Iter	8650/10000,	Train	Loss:	0.0206
2025-03-18	12:44:48,196	-	INFO	-	Iter	8660/10000,	Train	Loss:	0.0206
2025-03-18	12:44:48,520	-	INFO	-	Iter	8670			

2025-03-18	12:44:58,404	-	INFO	-	Iter	8970/10000,	Train	Loss:	0.0206
2025-03-18	12:44:58,718	-	INFO	-	Iter	8980/10000,	Train	Loss:	0.0206
2025-03-18	12:44:59,039	-	INFO	-	Iter	8990/10000,	Train	Loss:	0.0206
2025-03-18	12:44:59,348	-	INFO	-	Iter	9000/10000,	Train	Loss:	0.0206
2025-03-18	12:44:59,655	-	INFO	-	Iter	9010/10000,	Train	Loss:	0.0206
2025-03-18	12:44:59,966	-	INFO	-	Iter	9020/10000,	Train	Loss:	0.0206
2025-03-18	12:45:00,280	-	INFO	-	Iter	9030/10000,	Train	Loss:	0.0206
2025-03-18	12:45:00,593	-	INFO	-	Iter	9040/10000,	Train	Loss:	0.0206
2025-03-18	12:45:00,901	-	INFO	-	Iter	9050/10000,	Train	Loss:	0.0206
2025-03-18	12:45:01,212	-	INFO	-	Iter	9060/10000,	Train	Loss:	0.0206
2025-03-18	12:45:01,521	-	INFO	-	Iter	9070/10000,	Train	Loss:	0.0206
2025-03-18	12:45:01,827	-	INFO	-	Iter	9080/10000,	Train	Loss:	0.0206
2025-03-18	12:45:02,134	-	INFO	-	Iter	9090/10000,	Train	Loss:	0.0206
2025-03-18	12:45:02,448	-	INFO	-	Iter	9100/10000,	Train	Loss:	0.0206
2025-03-18	12:45:02,757	-	INFO	-	Iter	9110/10000,	Train	Loss:	0.0206
2025-03-18	12:45:03,089	-	INFO	-	Iter	9120/10000,	Train	Loss:	0.0206
2025-03-18	12:45:03,407	-	INFO	-	Iter	9130/10000,	Train	Loss:	0.0206
2025-03-18	12:45:03,718	-	INFO	-	Iter	9140/10000,	Train	Loss:	0.0206
2025-03-18	12:45:04,023	-	INFO	-	Iter	9150/10000,	Train	Loss:	0.0206
2025-03-18	12:45:04,342	-	INFO	-	Iter	9160/10000,	Train	Loss:	0.0206
2025-03-18	12:45:04,654	-	INFO	-	Iter	9170/10000,	Train	Loss:	0.0206
2025-03-18	12:45:04,967	-	INFO	-	Iter	9180/10000,	Train	Loss:	0.0206
2025-03-18	12:45:05,285	-	INFO	-	Iter	9190/10000,	Train	Loss:	0.0206
2025-03-18	12:45:05,599	-	INFO	-	Iter	9200/10000,	Train	Loss:	0.0206
2025-03-18	12:45:05,914	-	INFO	-	Iter	9210/10000,	Train	Loss:	0.0206
2025-03-18	12:45:06,227	-	INFO	-	Iter	9220/10000,	Train	Loss:	0.0206
2025-03-18	12:45:06,560	-	INFO	-	Iter	9230/10000,	Train	Loss:	0.0206
2025-03-18	12:45:06,880	-	INFO	-	Iter	9240/10000,	Train	Loss:	0.0206
2025-03-18	12:45:07,219	-	INFO	-	Iter	9250/10000,	Train	Loss:	0.0206
2025-03-18	12:45:07,531	-	INFO	-	Iter	9260/10000,	Train	Loss:	0.0206
2025-03-18	12:45:07,838	-	INFO	-	Iter	9270/10000,	Train	Loss:	0.0206
2025-03-18	12:45:08,141	-	INFO	-	Iter	9280/10000,	Train	Loss:	0.0205
2025-03-18	12:45:08,456	-	INFO	-	Iter	9290/10000,	Train	Loss:	0.0205
2025-03-18	12:45:08,773	-	INFO	-	Iter	9300/10000,	Train	Loss:	0.0205
2025-03-18	12:45:09,089	-	INFO	-	Iter	9310/10000,	Train	Loss:	0.0205
2025-03-18	12:45:09,397	-	INFO	-	Iter	9320/10000,	Train	Loss:	0.0205
2025-03-18	12:45:09,710	-	INFO	-	Iter	9330/10000,	Train	Loss:	0.0205
2025-03-18	12:45:10,032	-	INFO	-	Iter	9340/10000,	Train	Loss:	0.0205
2025-03-18	12:45:10,353	-	INFO	-	Iter	9350/10000,	Train	Loss:	0.0205
2025-03-18	12:45:10,670	-	INFO	-	Iter	9360/10000,	Train	Loss:	0.0205
2025-03-18	12:45:10,979	-	INFO	-	Iter	9370/10000,	Train	Loss:	0.0205
2025-03-18	12:45:11,307	-	INFO	-	Iter	9380/10000,	Train	Loss:	0.0205
2025-03-18	12:45:11,611	-	INFO	-	Iter	9390			

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2025-03-18 12:45:20,946 - INFO - Iter 9690/10000, Train Loss: 0.0205
2025-03-18 12:45:21,257 - INFO - Iter 9700/10000, Train Loss: 0.0205
2025-03-18 12:45:21,563 - INFO - Iter 9710/10000, Train Loss: 0.0205
2025-03-18 12:45:21,870 - INFO - Iter 9720/10000, Train Loss: 0.0205
2025-03-18 12:45:22,176 - INFO - Iter 9730/10000, Train Loss: 0.0205
2025-03-18 12:45:22,487 - INFO - Iter 9740/10000, Train Loss: 0.0205
2025-03-18 12:45:22,794 - INFO - Iter 9750/10000, Train Loss: 0.0205
2025-03-18 12:45:23,100 - INFO - Iter 9760/10000, Train Loss: 0.0205
2025-03-18 12:45:23,426 - INFO - Iter 9770/10000, Train Loss: 0.0205
2025-03-18 12:45:23,734 - INFO - Iter 9780/10000, Train Loss: 0.0205
2025-03-18 12:45:24,043 - INFO - Iter 9790/10000, Train Loss: 0.0205
2025-03-18 12:45:24,354 - INFO - Iter 9800/10000, Train Loss: 0.0205
2025-03-18 12:45:24,659 - INFO - Iter 9810/10000, Train Loss: 0.0205
2025-03-18 12:45:24,967 - INFO - Iter 9820/10000, Train Loss: 0.0205
2025-03-18 12:45:25,277 - INFO - Iter 9830/10000, Train Loss: 0.0205
2025-03-18 12:45:25,585 - INFO - Iter 9840/10000, Train Loss: 0.0205
2025-03-18 12:45:25,893 - INFO - Iter 9850/10000, Train Loss: 0.0205
2025-03-18 12:45:26,199 - INFO - Iter 9860/10000, Train Loss: 0.0205
2025-03-18 12:45:26,513 - INFO - Iter 9870/10000, Train Loss: 0.0205
2025-03-18 12:45:26,824 - INFO - Iter 9880/10000, Train Loss: 0.0205
2025-03-18 12:45:27,123 - INFO - Iter 9890/10000, Train Loss: 0.0205
2025-03-18 12:45:27,448 - INFO - Iter 9900/10000, Train Loss: 0.0205
2025-03-18 12:45:27,770 - INFO - Iter 9910/10000, Train Loss: 0.0205
2025-03-18 12:45:28,077 - INFO - Iter 9920/10000, Train Loss: 0.0205
2025-03-18 12:45:28,388 - INFO - Iter 9930/10000, Train Loss: 0.0205
2025-03-18 12:45:28,691 - INFO - Iter 9940/10000, Train Loss: 0.0205
2025-03-18 12:45:28,994 - INFO - Iter 9950/10000, Train Loss: 0.0205
2025-03-18 12:45:29,314 - INFO - Iter 9960/10000, Train Loss: 0.0205
2025-03-18 12:45:29,629 - INFO - Iter 9970/10000, Train Loss: 0.0205
2025-03-18 12:45:29,941 - INFO - Iter 9980/10000, Train Loss: 0.0205
2025-03-18 12:45:30,248 - INFO - Iter 9990/10000, Train Loss: 0.0205
2025-03-18 12:45:30,566 - INFO - Iter 10000/10000, Train Loss: 0.0205
2025-03-18 12:45:30,567 - INFO - LinearRegressionClassifier training completed in 311.47
seconds.
Train Regressions: 33%|██████████| 2/6 [12:58<29:41, 445.33s
/it]2025-03-18 12:45:30,568 - INFO - --- Softmax LR=0.005/Iter=1000 ---
2025-03-18 12:45:30,964 - INFO - Iter 10/1000, Loss: 2.2548
2025-03-18 12:45:31,369 - INFO - Iter 20/1000, Loss: 2.2040
2025-03-18 12:45:31,768 - INFO - Iter 30/1000, Loss: 2.1552
2025-03-18 12:45:32,160 - INFO - Iter 40/1000, Loss: 2.1084
2025-03-18 12:45:32,556 - INFO - Iter 50/1000, Loss: 2.0634
2025-03-18 12:45:32,949 - INFO - Iter 60/1000, Loss: 2.0201
2025-03-18 12:45:33,346 - INFO - Iter 70/1000, Loss: 1.9784
2025-03-18 12:45:33,738 - INFO - Iter 80/1000, Loss: 1.9382
2025-03-18 12:45:34,131 - INFO - Iter 90/1000, Loss: 1.8995
2025-03-18 12:45:34,533 - INFO - Iter 100/1000, Loss: 1.8622
2025-03-18 12:45:34,932 - INFO - Iter 110/1000, Loss: 1.8263
2025-03-18 12:45:35,347 - INFO - Iter 120/1000, Loss: 1.7917
2025-03-18 12:45:35,757 - INFO - Iter 130/1000, Loss: 1.7584
2025-03-18 12:45:36,164 - INFO - Iter 140/1000, Loss: 1.7263
2025-03-18 12:45:36,569 - INFO - Iter 150/1000, Loss: 1.6954
2025-03-18 12:45:36,966 - INFO - Iter 160/1000, Loss: 1.6656
2025-03-18 12:45:37,361 - INFO - Iter 170/1000, Loss: 1.6369
2025-03-18 12:45:37,766 - INFO - Iter 180/1000, Loss: 1.6093
2025-03-18 12:45:38,167 - INFO - Iter 190/1000, Loss: 1.5827
2025-03-18 12:45:38,562 - INFO - Iter 200/1000, Loss: 1.5570
2025-03-18 12:45:38,954 - INFO - Iter 210/1000, Loss: 1.5323
2025-03-18 12:45:39,351 - INFO - Iter 220/1000, Loss: 1.5085
2025-03-18 12:45:39,744 - INFO - Iter 230/1000, Loss: 1.4855
2025-03-18 12:45:40,137 - INFO - Iter 240/1000, Loss: 1.4633
2025-03-18 12:45:40,532 - INFO - Iter 250/1000, Loss: 1.4419
2025-03-18 12:45:40,926 - INFO - Iter 260/1000, Loss: 1.4213
2025-03-18 12:45:41,322 - INFO - Iter 270/1000, Loss: 1.4013
2025-03-18 12:45:41,711 - INFO - Iter 280/1000, Loss: 1.3821
2025-03-18 12:45:42,101 - INFO - Iter 290/1000, Loss: 1.3635
2025-03-18 12:45:42,498 - INFO - Iter 300/1000, Loss: 1.3456
2025-03-18 12:45:42,901 - INFO - Iter 310/1000, Loss: 1.3282
2025-03-18 12:45:43,296 - INFO - Iter 320/1000, Loss: 1.3114
2025-03-18 12:45:43,688 - INFO - Iter 330/1000, Loss: 1.2952
2025-03-18 12:45:44,089 - INFO - Iter 340/1000, Loss: 1.2795
2025-03-18 12:45:44,495 - INFO - Iter 350/1000, Loss: 1.2643
2025-03-18 12:45:44,894 - INFO - Iter 360/1000, Loss: 1.2496
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2025-03-18 12:45:43,292 - INFO - Iter 370/1000, Loss: 1.2353
2025-03-18 12:45:45,681 - INFO - Iter 380/1000, Loss: 1.2215
2025-03-18 12:45:46,080 - INFO - Iter 390/1000, Loss: 1.2081
2025-03-18 12:45:46,487 - INFO - Iter 400/1000, Loss: 1.1952
2025-03-18 12:45:46,882 - INFO - Iter 410/1000, Loss: 1.1826
2025-03-18 12:45:47,291 - INFO - Iter 420/1000, Loss: 1.1704
2025-03-18 12:45:47,692 - INFO - Iter 430/1000, Loss: 1.1585
2025-03-18 12:45:48,114 - INFO - Iter 440/1000, Loss: 1.1470
2025-03-18 12:45:48,516 - INFO - Iter 450/1000, Loss: 1.1358
2025-03-18 12:45:48,909 - INFO - Iter 460/1000, Loss: 1.1250
2025-03-18 12:45:49,298 - INFO - Iter 470/1000, Loss: 1.1144
2025-03-18 12:45:49,689 - INFO - Iter 480/1000, Loss: 1.1041
2025-03-18 12:45:50,095 - INFO - Iter 490/1000, Loss: 1.0942
2025-03-18 12:45:50,498 - INFO - Iter 500/1000, Loss: 1.0845
2025-03-18 12:45:50,896 - INFO - Iter 510/1000, Loss: 1.0750
2025-03-18 12:45:51,289 - INFO - Iter 520/1000, Loss: 1.0658
2025-03-18 12:45:51,678 - INFO - Iter 530/1000, Loss: 1.0568
2025-03-18 12:45:52,067 - INFO - Iter 540/1000, Loss: 1.0481
2025-03-18 12:45:52,461 - INFO - Iter 550/1000, Loss: 1.0396
2025-03-18 12:45:52,854 - INFO - Iter 560/1000, Loss: 1.0313
2025-03-18 12:45:53,249 - INFO - Iter 570/1000, Loss: 1.0232
2025-03-18 12:45:53,651 - INFO - Iter 580/1000, Loss: 1.0153
2025-03-18 12:45:54,057 - INFO - Iter 590/1000, Loss: 1.0076
2025-03-18 12:45:54,451 - INFO - Iter 600/1000, Loss: 1.0001
2025-03-18 12:45:54,840 - INFO - Iter 610/1000, Loss: 0.9928
2025-03-18 12:45:55,232 - INFO - Iter 620/1000, Loss: 0.9856
2025-03-18 12:45:55,628 - INFO - Iter 630/1000, Loss: 0.9787
2025-03-18 12:45:56,024 - INFO - Iter 640/1000, Loss: 0.9718
2025-03-18 12:45:56,422 - INFO - Iter 650/1000, Loss: 0.9651
2025-03-18 12:45:56,815 - INFO - Iter 660/1000, Loss: 0.9586
2025-03-18 12:45:57,210 - INFO - Iter 670/1000, Loss: 0.9522
2025-03-18 12:45:57,607 - INFO - Iter 680/1000, Loss: 0.9460
2025-03-18 12:45:58,016 - INFO - Iter 690/1000, Loss: 0.9399
2025-03-18 12:45:58,410 - INFO - Iter 700/1000, Loss: 0.9339
2025-03-18 12:45:58,801 - INFO - Iter 710/1000, Loss: 0.9281
2025-03-18 12:45:59,203 - INFO - Iter 720/1000, Loss: 0.9224
2025-03-18 12:45:59,595 - INFO - Iter 730/1000, Loss: 0.9168
2025-03-18 12:45:59,993 - INFO - Iter 740/1000, Loss: 0.9113
2025-03-18 12:46:00,398 - INFO - Iter 750/1000, Loss: 0.9059
2025-03-18 12:46:00,798 - INFO - Iter 760/1000, Loss: 0.9007
2025-03-18 12:46:01,188 - INFO - Iter 770/1000, Loss: 0.8955
2025-03-18 12:46:01,581 - INFO - Iter 780/1000, Loss: 0.8904
2025-03-18 12:46:01,970 - INFO - Iter 790/1000, Loss: 0.8855
2025-03-18 12:46:02,386 - INFO - Iter 800/1000, Loss: 0.8806
2025-03-18 12:46:02,788 - INFO - Iter 810/1000, Loss: 0.8759
2025-03-18 12:46:03,182 - INFO - Iter 820/1000, Loss: 0.8712
2025-03-18 12:46:03,578 - INFO - Iter 830/1000, Loss: 0.8666
2025-03-18 12:46:03,972 - INFO - Iter 840/1000, Loss: 0.8621
2025-03-18 12:46:04,373 - INFO - Iter 850/1000, Loss: 0.8577
2025-03-18 12:46:04,770 - INFO - Iter 860/1000, Loss: 0.8533
2025-03-18 12:46:05,165 - INFO - Iter 870/1000, Loss: 0.8491
2025-03-18 12:46:05,563 - INFO - Iter 880/1000, Loss: 0.8449
2025-03-18 12:46:05,956 - INFO - Iter 890/1000, Loss: 0.8408
2025-03-18 12:46:06,358 - INFO - Iter 900/1000, Loss: 0.8368
2025-03-18 12:46:06,757 - INFO - Iter 910/1000, Loss: 0.8328
2025-03-18 12:46:07,150 - INFO - Iter 920/1000, Loss: 0.8289
2025-03-18 12:46:07,541 - INFO - Iter 930/1000, Loss: 0.8251
2025-03-18 12:46:07,942 - INFO - Iter 940/1000, Loss: 0.8213
2025-03-18 12:46:08,360 - INFO - Iter 950/1000, Loss: 0.8176
2025-03-18 12:46:08,751 - INFO - Iter 960/1000, Loss: 0.8140
2025-03-18 12:46:09,151 - INFO - Iter 970/1000, Loss: 0.8104
2025-03-18 12:46:09,548 - INFO - Iter 980/1000, Loss: 0.8069
2025-03-18 12:46:09,940 - INFO - Iter 990/1000, Loss: 0.8034
2025-03-18 12:46:10,336 - INFO - Iter 1000/1000, Loss: 0.8000
2025-03-18 12:46:10,337 - INFO - SoftmaxRegression training completed in 39.77 seconds.
2025-03-18 12:46:10,338 - INFO - --- Linear Regression LR=0.005/Iter=1000 ---
2025-03-18 12:46:10,647 - INFO - Iter 10/1000, Train Loss: 0.0413
2025-03-18 12:46:10,958 - INFO - Iter 20/1000, Train Loss: 0.0378
2025-03-18 12:46:11,261 - INFO - Iter 30/1000, Train Loss: 0.0352
2025-03-18 12:46:11,572 - INFO - Iter 40/1000, Train Loss: 0.0332
2025-03-18 12:46:11,877 - INFO - Iter 50/1000, Train Loss: 0.0317
2025-03-18 12:46:12,190 - INFO - Iter 60/1000, Train Loss: 0.0305
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2025-03-18 12:46:12,508 - INFO - Iter 70/1000, Train Loss: 0.0295
2025-03-18 12:46:12,819 - INFO - Iter 80/1000, Train Loss: 0.0287
2025-03-18 12:46:13,124 - INFO - Iter 90/1000, Train Loss: 0.0280
2025-03-18 12:46:13,436 - INFO - Iter 100/1000, Train Loss: 0.0274
2025-03-18 12:46:13,744 - INFO - Iter 110/1000, Train Loss: 0.0269
2025-03-18 12:46:14,055 - INFO - Iter 120/1000, Train Loss: 0.0265
2025-03-18 12:46:14,370 - INFO - Iter 130/1000, Train Loss: 0.0262
2025-03-18 12:46:14,677 - INFO - Iter 140/1000, Train Loss: 0.0258
2025-03-18 12:46:14,990 - INFO - Iter 150/1000, Train Loss: 0.0256
2025-03-18 12:46:15,298 - INFO - Iter 160/1000, Train Loss: 0.0253
2025-03-18 12:46:15,608 - INFO - Iter 170/1000, Train Loss: 0.0251
2025-03-18 12:46:15,925 - INFO - Iter 180/1000, Train Loss: 0.0249
2025-03-18 12:46:16,234 - INFO - Iter 190/1000, Train Loss: 0.0247
2025-03-18 12:46:16,543 - INFO - Iter 200/1000, Train Loss: 0.0245
2025-03-18 12:46:16,859 - INFO - Iter 210/1000, Train Loss: 0.0243
2025-03-18 12:46:17,166 - INFO - Iter 220/1000, Train Loss: 0.0242
2025-03-18 12:46:17,477 - INFO - Iter 230/1000, Train Loss: 0.0241
2025-03-18 12:46:17,782 - INFO - Iter 240/1000, Train Loss: 0.0239
2025-03-18 12:46:18,104 - INFO - Iter 250/1000, Train Loss: 0.0238
2025-03-18 12:46:18,430 - INFO - Iter 260/1000, Train Loss: 0.0237
2025-03-18 12:46:18,742 - INFO - Iter 270/1000, Train Loss: 0.0236
2025-03-18 12:46:19,056 - INFO - Iter 280/1000, Train Loss: 0.0235
2025-03-18 12:46:19,374 - INFO - Iter 290/1000, Train Loss: 0.0234
2025-03-18 12:46:19,688 - INFO - Iter 300/1000, Train Loss: 0.0233
2025-03-18 12:46:19,995 - INFO - Iter 310/1000, Train Loss: 0.0232
2025-03-18 12:46:20,310 - INFO - Iter 320/1000, Train Loss: 0.0232
2025-03-18 12:46:20,615 - INFO - Iter 330/1000, Train Loss: 0.0231
2025-03-18 12:46:20,918 - INFO - Iter 340/1000, Train Loss: 0.0230
2025-03-18 12:46:21,237 - INFO - Iter 350/1000, Train Loss: 0.0229
2025-03-18 12:46:21,541 - INFO - Iter 360/1000, Train Loss: 0.0229
2025-03-18 12:46:21,846 - INFO - Iter 370/1000, Train Loss: 0.0228
2025-03-18 12:46:22,159 - INFO - Iter 380/1000, Train Loss: 0.0228
2025-03-18 12:46:22,469 - INFO - Iter 390/1000, Train Loss: 0.0227
2025-03-18 12:46:22,778 - INFO - Iter 400/1000, Train Loss: 0.0227
2025-03-18 12:46:23,089 - INFO - Iter 410/1000, Train Loss: 0.0226
2025-03-18 12:46:23,400 - INFO - Iter 420/1000, Train Loss: 0.0226
2025-03-18 12:46:23,713 - INFO - Iter 430/1000, Train Loss: 0.0225
2025-03-18 12:46:24,032 - INFO - Iter 440/1000, Train Loss: 0.0225
2025-03-18 12:46:24,352 - INFO - Iter 450/1000, Train Loss: 0.0224
2025-03-18 12:46:24,666 - INFO - Iter 460/1000, Train Loss: 0.0224
2025-03-18 12:46:24,979 - INFO - Iter 470/1000, Train Loss: 0.0223
2025-03-18 12:46:25,305 - INFO - Iter 480/1000, Train Loss: 0.0223
2025-03-18 12:46:25,637 - INFO - Iter 490/1000, Train Loss: 0.0223
2025-03-18 12:46:25,955 - INFO - Iter 500/1000, Train Loss: 0.0222
2025-03-18 12:46:26,261 - INFO - Iter 510/1000, Train Loss: 0.0222
2025-03-18 12:46:26,579 - INFO - Iter 520/1000, Train Loss: 0.0222
2025-03-18 12:46:26,922 - INFO - Iter 530/1000, Train Loss: 0.0221
2025-03-18 12:46:27,243 - INFO - Iter 540/1000, Train Loss: 0.0221
2025-03-18 12:46:27,548 - INFO - Iter 550/1000, Train Loss: 0.0221
2025-03-18 12:46:27,861 - INFO - Iter 560/1000, Train Loss: 0.0220
2025-03-18 12:46:28,173 - INFO - Iter 570/1000, Train Loss: 0.0220
2025-03-18 12:46:28,502 - INFO - Iter 580/1000, Train Loss: 0.0220
2025-03-18 12:46:28,830 - INFO - Iter 590/1000, Train Loss: 0.0219
2025-03-18 12:46:29,164 - INFO - Iter 600/1000, Train Loss: 0.0219
2025-03-18 12:46:29,479 - INFO - Iter 610/1000, Train Loss: 0.0219
2025-03-18 12:46:29,789 - INFO - Iter 620/1000, Train Loss: 0.0219
2025-03-18 12:46:30,104 - INFO - Iter 630/1000, Train Loss: 0.0218
2025-03-18 12:46:30,416 - INFO - Iter 640/1000, Train Loss: 0.0218
2025-03-18 12:46:30,725 - INFO - Iter 650/1000, Train Loss: 0.0218
2025-03-18 12:46:31,027 - INFO - Iter 660/1000, Train Loss: 0.0218
2025-03-18 12:46:31,365 - INFO - Iter 670/1000, Train Loss: 0.0217
2025-03-18 12:46:31,671 - INFO - Iter 680/1000, Train Loss: 0.0217
2025-03-18 12:46:31,977 - INFO - Iter 690/1000, Train Loss: 0.0217
2025-03-18 12:46:32,298 - INFO - Iter 700/1000, Train Loss: 0.0217
2025-03-18 12:46:32,613 - INFO - Iter 710/1000, Train Loss: 0.0217
2025-03-18 12:46:32,921 - INFO - Iter 720/1000, Train Loss: 0.0216
2025-03-18 12:46:33,232 - INFO - Iter 730/1000, Train Loss: 0.0216
2025-03-18 12:46:33,545 - INFO - Iter 740/1000, Train Loss: 0.0216
2025-03-18 12:46:33,846 - INFO - Iter 750/1000, Train Loss: 0.0216
2025-03-18 12:46:34,154 - INFO - Iter 760/1000, Train Loss: 0.0216
2025-03-18 12:46:34,461 - INFO - Iter 770/1000, Train Loss: 0.0215
2025-03-18 12:46:34,767 - INFO - Iter 780/1000, Train Loss: 0.0215
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2025-03-18	12:46:59,787	- INFO - Iter 470/10000, Loss: 1.1144
2025-03-18	12:47:00,186	- INFO - Iter 480/10000, Loss: 1.1041
2025-03-18	12:47:00,584	- INFO - Iter 490/10000, Loss: 1.0942
2025-03-18	12:47:00,977	- INFO - Iter 500/10000, Loss: 1.0845
2025-03-18	12:47:01,367	- INFO - Iter 510/10000, Loss: 1.0750
2025-03-18	12:47:01,753	- INFO - Iter 520/10000, Loss: 1.0658
2025-03-18	12:47:02,158	- INFO - Iter 530/10000, Loss: 1.0568
2025-03-18	12:47:02,543	- INFO - Iter 540/10000, Loss: 1.0481
2025-03-18	12:47:02,937	- INFO - Iter 550/10000, Loss: 1.0396
2025-03-18	12:47:03,326	- INFO - Iter 560/10000, Loss: 1.0313
2025-03-18	12:47:03,710	- INFO - Iter 570/10000, Loss: 1.0232
2025-03-18	12:47:04,099	- INFO - Iter 580/10000, Loss: 1.0153
2025-03-18	12:47:04,486	- INFO - Iter 590/10000, Loss: 1.0076
2025-03-18	12:47:04,870	- INFO - Iter 600/10000, Loss: 1.0001
2025-03-18	12:47:05,258	- INFO - Iter 610/10000, Loss: 0.9928
2025-03-18	12:47:05,648	- INFO - Iter 620/10000, Loss: 0.9856
2025-03-18	12:47:06,039	- INFO - Iter 630/10000, Loss: 0.9787
2025-03-18	12:47:06,430	- INFO - Iter 640/10000, Loss: 0.9718
2025-03-18	12:47:06,815	- INFO - Iter 650/10000, Loss: 0.9651
2025-03-18	12:47:07,204	- INFO - Iter 660/10000, Loss: 0.9586
2025-03-18	12:47:07,592	- INFO - Iter 670/10000, Loss: 0.9522
2025-03-18	12:47:07,980	- INFO - Iter 680/10000, Loss: 0.9460
2025-03-18	12:47:08,371	- INFO - Iter 690/10000, Loss: 0.9399
2025-03-18	12:47:08,758	- INFO - Iter 700/10000, Loss: 0.9339
2025-03-18	12:47:09,145	- INFO - Iter 710/10000, Loss: 0.9281
2025-03-18	12:47:09,546	- INFO - Iter 720/10000, Loss: 0.9224
2025-03-18	12:47:09,929	- INFO - Iter 730/10000, Loss: 0.9168
2025-03-18	12:47:10,317	- INFO - Iter 740/10000, Loss: 0.9113
2025-03-18	12:47:10,700	- INFO - Iter 750/10000, Loss: 0.9059
2025-03-18	12:47:11,085	- INFO - Iter 760/10000, Loss: 0.9007
2025-03-18	12:47:11,472	- INFO - Iter 770/10000, Loss: 0.8955
2025-03-18	12:47:11,865	- INFO - Iter 780/10000, Loss: 0.8904
2025-03-18	12:47:12,255	- INFO - Iter 790/10000, Loss: 0.8855
2025-03-18	12:47:12,648	- INFO - Iter 800/10000, Loss: 0.8806
2025-03-18	12:47:13,031	- INFO - Iter 810/10000, Loss: 0.8759
2025-03-18	12:47:13,427	- INFO - Iter 820/10000, Loss: 0.8712
2025-03-18	12:47:13,811	- INFO - Iter 830/10000, Loss: 0.8666
2025-03-18	12:47:14,198	- INFO - Iter 840/10000, Loss: 0.8621
2025-03-18	12:47:14,589	- INFO - Iter 850/10000, Loss: 0.8577
2025-03-18	12:47:14,972	- INFO - Iter 860/10000, Loss: 0.8533
2025-03-18	12:47:15,366	- INFO - Iter 870/10000, Loss: 0.8491
2025-03-18	12:47:15,752	- INFO - Iter 880/10000, Loss: 0.8449
2025-03-18	12:47:16,137	- INFO - Iter 890/10000, Loss: 0.8408
2025-03-18	12:47:16,531	- INFO - Iter 900/10000, Loss: 0.8368
2025-03-18	12:47:16,934	- INFO - Iter 910/10000, Loss: 0.8328
2025-03-18	12:47:17,328	- INFO - Iter 920/10000, Loss: 0.8289
2025-03-18	12:47:17,721	- INFO - Iter 930/10000, Loss: 0.8251
2025-03-18	12:47:18,109	- INFO - Iter 940/10000, Loss: 0.8213
2025-03-18	12:47:18,509	- INFO - Iter 950/10000, Loss: 0.8176
2025-03-18	12:47:18,891	- INFO - Iter 960/10000, Loss: 0.8140
2025-03-18	12:47:19,276	- INFO - Iter 970/10000, Loss: 0.8104
2025-03-18	12:47:19,673	- INFO - Iter 980/10000, Loss: 0.8069
2025-03-18	12:47:20,058	- INFO - Iter 990/10000, Loss: 0.8034
2025-03-18	12:47:20,459	- INFO - Iter 1000/10000, Loss: 0.8000
2025-03-18	12:47:20,850	- INFO - Iter 1010/10000, Loss: 0.7966
2025-03-18	12:47:21,237	- INFO - Iter 1020/10000, Loss: 0.7933
2025-03-18	12:47:21,620	- INFO - Iter 1030/10000, Loss: 0.7901
2025-03-18	12:47:22,007	- INFO - Iter 1040/10000, Loss: 0.7869
2025-03-18	12:47:22,393	- INFO - Iter 1050/10000, Loss: 0.7837
2025-03-18	12:47:22,777	- INFO - Iter 1060/10000, Loss: 0.7806
2025-03-18	12:47:23,162	- INFO - Iter 1070/10000, Loss: 0.7776
2025-03-18	12:47:23,556	- INFO - Iter 1080/10000, Loss: 0.7746
2025-03-18	12:47:23,941	- INFO - Iter 1090/10000, Loss: 0.7716
2025-03-18	12:47:24,330	- INFO - Iter 1100/10000, Loss: 0.7687
2025-03-18	12:47:24,720	- INFO - Iter 1110/10000, Loss: 0.7658
2025-03-18	12:47:25,103	- INFO - Iter 1120/10000, Loss: 0.7630
2025-03-18	12:47:25,486	- INFO - Iter 1130/10000, Loss: 0.7602
2025-03-18	12:47:25,872	- INFO - Iter 1140/10000, Loss: 0.7574
2025-03-18	12:47:26,258	- INFO - Iter 1150/10000, Loss: 0.7547
2025-03-18	12:47:26,643	- INFO - Iter 1160/10000, Loss: 0.7520
2025-03-18	12:47:27,031	- INFO - Iter 1170/10000, Loss: 0.7494
2025-03-18	12:47:27,414	- INFO - Iter 1180/10000, Loss: 0.7468

2025-03-18	12:47:27,796	-	INFO	-	Iter	1190/10000,	Loss:	0.7442
2025-03-18	12:47:28,179	-	INFO	-	Iter	1200/10000,	Loss:	0.7417
2025-03-18	12:47:28,572	-	INFO	-	Iter	1210/10000,	Loss:	0.7392
2025-03-18	12:47:28,960	-	INFO	-	Iter	1220/10000,	Loss:	0.7367
2025-03-18	12:47:29,344	-	INFO	-	Iter	1230/10000,	Loss:	0.7343
2025-03-18	12:47:29,744	-	INFO	-	Iter	1240/10000,	Loss:	0.7319
2025-03-18	12:47:30,133	-	INFO	-	Iter	1250/10000,	Loss:	0.7295
2025-03-18	12:47:30,526	-	INFO	-	Iter	1260/10000,	Loss:	0.7272
2025-03-18	12:47:30,913	-	INFO	-	Iter	1270/10000,	Loss:	0.7248
2025-03-18	12:47:31,302	-	INFO	-	Iter	1280/10000,	Loss:	0.7226
2025-03-18	12:47:31,687	-	INFO	-	Iter	1290/10000,	Loss:	0.7203
2025-03-18	12:47:32,074	-	INFO	-	Iter	1300/10000,	Loss:	0.7181
2025-03-18	12:47:32,461	-	INFO	-	Iter	1310/10000,	Loss:	0.7159
2025-03-18	12:47:32,846	-	INFO	-	Iter	1320/10000,	Loss:	0.7137
2025-03-18	12:47:33,238	-	INFO	-	Iter	1330/10000,	Loss:	0.7116
2025-03-18	12:47:33,623	-	INFO	-	Iter	1340/10000,	Loss:	0.7095
2025-03-18	12:47:34,010	-	INFO	-	Iter	1350/10000,	Loss:	0.7074
2025-03-18	12:47:34,401	-	INFO	-	Iter	1360/10000,	Loss:	0.7053
2025-03-18	12:47:34,788	-	INFO	-	Iter	1370/10000,	Loss:	0.7033
2025-03-18	12:47:35,170	-	INFO	-	Iter	1380/10000,	Loss:	0.7013
2025-03-18	12:47:35,554	-	INFO	-	Iter	1390/10000,	Loss:	0.6993
2025-03-18	12:47:35,941	-	INFO	-	Iter	1400/10000,	Loss:	0.6973
2025-03-18	12:47:36,333	-	INFO	-	Iter	1410/10000,	Loss:	0.6954
2025-03-18	12:47:36,725	-	INFO	-	Iter	1420/10000,	Loss:	0.6935
2025-03-18	12:47:37,113	-	INFO	-	Iter	1430/10000,	Loss:	0.6916
2025-03-18	12:47:37,503	-	INFO	-	Iter	1440/10000,	Loss:	0.6897
2025-03-18	12:47:37,892	-	INFO	-	Iter	1450/10000,	Loss:	0.6878
2025-03-18	12:47:38,277	-	INFO	-	Iter	1460/10000,	Loss:	0.6860
2025-03-18	12:47:38,663	-	INFO	-	Iter	1470/10000,	Loss:	0.6842
2025-03-18	12:47:39,047	-	INFO	-	Iter	1480/10000,	Loss:	0.6824
2025-03-18	12:47:39,434	-	INFO	-	Iter	1490/10000,	Loss:	0.6806
2025-03-18	12:47:39,828	-	INFO	-	Iter	1500/10000,	Loss:	0.6789
2025-03-18	12:47:40,216	-	INFO	-	Iter	1510/10000,	Loss:	0.6772
2025-03-18	12:47:40,600	-	INFO	-	Iter	1520/10000,	Loss:	0.6754
2025-03-18	12:47:40,987	-	INFO	-	Iter	1530/10000,	Loss:	0.6737
2025-03-18	12:47:41,375	-	INFO	-	Iter	1540/10000,	Loss:	0.6721
2025-03-18	12:47:41,758	-	INFO	-	Iter	1550/10000,	Loss:	0.6704
2025-03-18	12:47:42,148	-	INFO	-	Iter	1560/10000,	Loss:	0.6688
2025-03-18	12:47:42,543	-	INFO	-	Iter	1570/10000,	Loss:	0.6671
2025-03-18	12:47:42,930	-	INFO	-	Iter	1580/10000,	Loss:	0.6655
2025-03-18	12:47:43,321	-	INFO	-	Iter	1590/10000,	Loss:	0.6639
2025-03-18	12:47:43,707	-	INFO	-	Iter	1600/10000,	Loss:	0.6624
2025-03-18	12:47:44,091	-	INFO	-	Iter	1610/10000,	Loss:	0.6608
2025-03-18	12:47:44,479	-	INFO	-	Iter	1620/10000,	Loss:	0.6593
2025-03-18	12:47:44,863	-	INFO	-	Iter	1630/10000,	Loss:	0.6577
2025-03-18	12:47:45,250	-	INFO	-	Iter	1640/10000,	Loss:	0.6562
2025-03-18	12:47:45,634	-	INFO	-	Iter	1650/10000,	Loss:	0.6547
2025-03-18	12:47:46,021	-	INFO	-	Iter	1660/10000,	Loss:	0.6532
2025-03-18	12:47:46,406	-	INFO	-	Iter	1670/10000,	Loss:	0.6518
2025-03-18	12:47:46,793	-	INFO	-	Iter	1680/10000,	Loss:	0.6503
2025-03-18	12:47:47,189	-	INFO	-	Iter	1690/10000,	Loss:	0.6489
2025-03-18	12:47:47,588	-	INFO	-	Iter	1700/10000,	Loss:	0.6475
2025-03-18	12:47:47,982	-	INFO	-	Iter	1710/10000,	Loss:	0.6461
2025-03-18	12:47:48,391	-	INFO	-	Iter	1720/10000,	Loss:	0.6447
2025-03-18	12:47:48,804	-	INFO	-	Iter	1730/10000,	Loss:	0.6433
2025-03-18	12:47:49,209	-	INFO	-	Iter	1740/10000,	Loss:	0.6419
2025-03-18	12:47:49,611	-	INFO	-	Iter	1750/10000,	Loss:	0.6405
2025-03-18	12:47:50,015	-	INFO	-	Iter	1760/10000,	Loss:	0.6392
2025-03-18	12:47:50,417	-	INFO	-	Iter	1770/10000,	Loss:	0.6379
2025-03-18	12:47:50,813	-	INFO	-	Iter	1780/10000,	Loss:	0.6366
2025-03-18	12:47:51,210	-	INFO	-	Iter	1790/10000,	Loss:	0.6352
2025-03-18	12:47:51,607	-	INFO	-	Iter	1800/10000,	Loss:	0.6340
2025-03-18	12:47:52,001	-	INFO	-	Iter	1810/10000,	Loss:	0.6327
2025-03-18	12:47:52,403	-	INFO	-	Iter	1820/10000,	Loss:	0.6314
2025-03-18	12:47:52,796	-	INFO	-	Iter	1830/10000,	Loss:	0.6301
2025-03-18	12:47:53,187	-	INFO	-	Iter	1840/10000,	Loss:	0.6289
2025-03-18	12:47:53,592	-	INFO	-	Iter	1850/10000,	Loss:	0.6277
2025-03-18	12:47:53,993	-	INFO	-	Iter	1860/10000,	Loss:	0.6264
2025-03-18	12:47:54,386	-	INFO	-	Iter	1870/10000,	Loss:	0.6252
2025-03-18	12:47:54,785	-	INFO	-	Iter	1880/10000,	Loss:	0.6240
2025-03-18	12:47:55,180	-	INFO	-	Iter	1890/10000,	Loss:	0.6228
2025-03-18	12:47:55,589	-	INFO	-	Iter	1900/10000,	Loss:	0.6216



2025-03-18	12:47:55,986	- INFO - Iter	1910/10000,	Loss: 0.6205
2025-03-18	12:47:56,382	- INFO - Iter	1920/10000,	Loss: 0.6193
2025-03-18	12:47:56,780	- INFO - Iter	1930/10000,	Loss: 0.6182
2025-03-18	12:47:57,177	- INFO - Iter	1940/10000,	Loss: 0.6170
2025-03-18	12:47:57,574	- INFO - Iter	1950/10000,	Loss: 0.6159
2025-03-18	12:47:57,993	- INFO - Iter	1960/10000,	Loss: 0.6148
2025-03-18	12:47:58,392	- INFO - Iter	1970/10000,	Loss: 0.6136
2025-03-18	12:47:58,787	- INFO - Iter	1980/10000,	Loss: 0.6125
2025-03-18	12:47:59,180	- INFO - Iter	1990/10000,	Loss: 0.6114
2025-03-18	12:47:59,580	- INFO - Iter	2000/10000,	Loss: 0.6104
2025-03-18	12:47:59,969	- INFO - Iter	2010/10000,	Loss: 0.6093
2025-03-18	12:48:00,382	- INFO - Iter	2020/10000,	Loss: 0.6082
2025-03-18	12:48:00,784	- INFO - Iter	2030/10000,	Loss: 0.6071
2025-03-18	12:48:01,174	- INFO - Iter	2040/10000,	Loss: 0.6061
2025-03-18	12:48:01,571	- INFO - Iter	2050/10000,	Loss: 0.6051
2025-03-18	12:48:01,970	- INFO - Iter	2060/10000,	Loss: 0.6040
2025-03-18	12:48:02,378	- INFO - Iter	2070/10000,	Loss: 0.6030
2025-03-18	12:48:02,806	- INFO - Iter	2080/10000,	Loss: 0.6020
2025-03-18	12:48:03,230	- INFO - Iter	2090/10000,	Loss: 0.6010
2025-03-18	12:48:03,659	- INFO - Iter	2100/10000,	Loss: 0.6000
2025-03-18	12:48:04,080	- INFO - Iter	2110/10000,	Loss: 0.5990
2025-03-18	12:48:04,511	- INFO - Iter	2120/10000,	Loss: 0.5980
2025-03-18	12:48:04,934	- INFO - Iter	2130/10000,	Loss: 0.5970
2025-03-18	12:48:05,355	- INFO - Iter	2140/10000,	Loss: 0.5960
2025-03-18	12:48:05,749	- INFO - Iter	2150/10000,	Loss: 0.5951
2025-03-18	12:48:06,169	- INFO - Iter	2160/10000,	Loss: 0.5941
2025-03-18	12:48:06,573	- INFO - Iter	2170/10000,	Loss: 0.5932
2025-03-18	12:48:06,974	- INFO - Iter	2180/10000,	Loss: 0.5922
2025-03-18	12:48:07,383	- INFO - Iter	2190/10000,	Loss: 0.5913
2025-03-18	12:48:07,792	- INFO - Iter	2200/10000,	Loss: 0.5904
2025-03-18	12:48:08,208	- INFO - Iter	2210/10000,	Loss: 0.5895
2025-03-18	12:48:08,620	- INFO - Iter	2220/10000,	Loss: 0.5885
2025-03-18	12:48:09,021	- INFO - Iter	2230/10000,	Loss: 0.5876
2025-03-18	12:48:09,430	- INFO - Iter	2240/10000,	Loss: 0.5867
2025-03-18	12:48:09,836	- INFO - Iter	2250/10000,	Loss: 0.5858
2025-03-18	12:48:10,237	- INFO - Iter	2260/10000,	Loss: 0.5850
2025-03-18	12:48:10,657	- INFO - Iter	2270/10000,	Loss: 0.5841
2025-03-18	12:48:11,061	- INFO - Iter	2280/10000,	Loss: 0.5832
2025-03-18	12:48:11,460	- INFO - Iter	2290/10000,	Loss: 0.5823
2025-03-18	12:48:11,854	- INFO - Iter	2300/10000,	Loss: 0.5815
2025-03-18	12:48:12,242	- INFO - Iter	2310/10000,	Loss: 0.5806
2025-03-18	12:48:12,658	- INFO - Iter	2320/10000,	Loss: 0.5798
2025-03-18	12:48:13,058	- INFO - Iter	2330/10000,	Loss: 0.5789
2025-03-18	12:48:13,486	- INFO - Iter	2340/10000,	Loss: 0.5781
2025-03-18	12:48:13,892	- INFO - Iter	2350/10000,	Loss: 0.5773
2025-03-18	12:48:14,276	- INFO - Iter	2360/10000,	Loss: 0.5764
2025-03-18	12:48:14,686	- INFO - Iter	2370/10000,	Loss: 0.5756
2025-03-18	12:48:15,084	- INFO - Iter	2380/10000,	Loss: 0.5748
2025-03-18	12:48:15,472	- INFO - Iter	2390/10000,	Loss: 0.5740
2025-03-18	12:48:15,876	- INFO - Iter	2400/10000,	Loss: 0.5732
2025-03-18	12:48:16,269	- INFO - Iter	2410/10000,	Loss: 0.5724
2025-03-18	12:48:16,657	- INFO - Iter	2420/10000,	Loss: 0.5716
2025-03-18	12:48:17,050	- INFO - Iter	2430/10000,	Loss: 0.5708
2025-03-18	12:48:17,457	- INFO - Iter	2440/10000,	Loss: 0.5701
2025-03-18	12:48:17,854	- INFO - Iter	2450/10000,	Loss: 0.5693
2025-03-18	12:48:18,252	- INFO - Iter	2460/10000,	Loss: 0.5685
2025-03-18	12:48:18,660	- INFO - Iter	2470/10000,	Loss: 0.5677
2025-03-18	12:48:19,052	- INFO - Iter	2480/10000,	Loss: 0.5670
2025-03-18	12:48:19,439	- INFO - Iter	2490/10000,	Loss: 0.5662
2025-03-18	12:48:19,831	- INFO - Iter	2500/10000,	Loss: 0.5655
2025-03-18	12:48:20,221	- INFO - Iter	2510/10000,	Loss: 0.5647
2025-03-18	12:48:20,617	- INFO - Iter	2520/10000,	Loss: 0.5640
2025-03-18	12:48:21,003	- INFO - Iter	2530/10000,	Loss: 0.5633
2025-03-18	12:48:21,391	- INFO - Iter	2540/10000,	Loss: 0.5625
2025-03-18	12:48:21,779	- INFO - Iter	2550/10000,	Loss: 0.5618
2025-03-18	12:48:22,170	- INFO - Iter	2560/10000,	Loss: 0.5611
2025-03-18	12:48:22,556	- INFO - Iter	2570/10000,	Loss: 0.5604
2025-03-18	12:48:22,940	- INFO - Iter	2580/10000,	Loss: 0.5597
2025-03-18	12:48:23,332	- INFO - Iter	2590/10000,	Loss: 0.5590
2025-03-18	12:48:23,723	- INFO - Iter	2600/10000,	Loss: 0.5583
2025-03-18	12:48:24,110	- INFO - Iter	2610/10000,	Loss: 0.5576
2025-03-18	12:48:24,498	- INFO - Iter	2620/10000,	Loss: 0.5569



2025-03-18	12:48:24,888	- INFO - Iter 2630/10000, Loss: 0.5562
2025-03-18	12:48:25,278	- INFO - Iter 2640/10000, Loss: 0.5555
2025-03-18	12:48:25,678	- INFO - Iter 2650/10000, Loss: 0.5548
2025-03-18	12:48:26,069	- INFO - Iter 2660/10000, Loss: 0.5541
2025-03-18	12:48:26,459	- INFO - Iter 2670/10000, Loss: 0.5535
2025-03-18	12:48:26,848	- INFO - Iter 2680/10000, Loss: 0.5528
2025-03-18	12:48:27,240	- INFO - Iter 2690/10000, Loss: 0.5521
2025-03-18	12:48:27,641	- INFO - Iter 2700/10000, Loss: 0.5515
2025-03-18	12:48:28,041	- INFO - Iter 2710/10000, Loss: 0.5508
2025-03-18	12:48:28,438	- INFO - Iter 2720/10000, Loss: 0.5502
2025-03-18	12:48:28,826	- INFO - Iter 2730/10000, Loss: 0.5495
2025-03-18	12:48:29,217	- INFO - Iter 2740/10000, Loss: 0.5489
2025-03-18	12:48:29,606	- INFO - Iter 2750/10000, Loss: 0.5483
2025-03-18	12:48:29,998	- INFO - Iter 2760/10000, Loss: 0.5476
2025-03-18	12:48:30,392	- INFO - Iter 2770/10000, Loss: 0.5470
2025-03-18	12:48:30,795	- INFO - Iter 2780/10000, Loss: 0.5464
2025-03-18	12:48:31,188	- INFO - Iter 2790/10000, Loss: 0.5457
2025-03-18	12:48:31,577	- INFO - Iter 2800/10000, Loss: 0.5451
2025-03-18	12:48:31,972	- INFO - Iter 2810/10000, Loss: 0.5445
2025-03-18	12:48:32,367	- INFO - Iter 2820/10000, Loss: 0.5439
2025-03-18	12:48:32,753	- INFO - Iter 2830/10000, Loss: 0.5433
2025-03-18	12:48:33,142	- INFO - Iter 2840/10000, Loss: 0.5427
2025-03-18	12:48:33,531	- INFO - Iter 2850/10000, Loss: 0.5421
2025-03-18	12:48:33,934	- INFO - Iter 2860/10000, Loss: 0.5415
2025-03-18	12:48:34,332	- INFO - Iter 2870/10000, Loss: 0.5409
2025-03-18	12:48:34,726	- INFO - Iter 2880/10000, Loss: 0.5403
2025-03-18	12:48:35,114	- INFO - Iter 2890/10000, Loss: 0.5397
2025-03-18	12:48:35,509	- INFO - Iter 2900/10000, Loss: 0.5391
2025-03-18	12:48:35,905	- INFO - Iter 2910/10000, Loss: 0.5385
2025-03-18	12:48:36,297	- INFO - Iter 2920/10000, Loss: 0.5379
2025-03-18	12:48:36,689	- INFO - Iter 2930/10000, Loss: 0.5374
2025-03-18	12:48:37,082	- INFO - Iter 2940/10000, Loss: 0.5368
2025-03-18	12:48:37,469	- INFO - Iter 2950/10000, Loss: 0.5362
2025-03-18	12:48:37,868	- INFO - Iter 2960/10000, Loss: 0.5357
2025-03-18	12:48:38,259	- INFO - Iter 2970/10000, Loss: 0.5351
2025-03-18	12:48:38,660	- INFO - Iter 2980/10000, Loss: 0.5345
2025-03-18	12:48:39,058	- INFO - Iter 2990/10000, Loss: 0.5340
2025-03-18	12:48:39,445	- INFO - Iter 3000/10000, Loss: 0.5334
2025-03-18	12:48:39,852	- INFO - Iter 3010/10000, Loss: 0.5329
2025-03-18	12:48:40,248	- INFO - Iter 3020/10000, Loss: 0.5323
2025-03-18	12:48:40,640	- INFO - Iter 3030/10000, Loss: 0.5318
2025-03-18	12:48:41,046	- INFO - Iter 3040/10000, Loss: 0.5312
2025-03-18	12:48:41,446	- INFO - Iter 3050/10000, Loss: 0.5307
2025-03-18	12:48:41,841	- INFO - Iter 3060/10000, Loss: 0.5302
2025-03-18	12:48:42,229	- INFO - Iter 3070/10000, Loss: 0.5296
2025-03-18	12:48:42,630	- INFO - Iter 3080/10000, Loss: 0.5291
2025-03-18	12:48:43,025	- INFO - Iter 3090/10000, Loss: 0.5286
2025-03-18	12:48:43,419	- INFO - Iter 3100/10000, Loss: 0.5281
2025-03-18	12:48:43,806	- INFO - Iter 3110/10000, Loss: 0.5275
2025-03-18	12:48:44,196	- INFO - Iter 3120/10000, Loss: 0.5270
2025-03-18	12:48:44,592	- INFO - Iter 3130/10000, Loss: 0.5265
2025-03-18	12:48:44,989	- INFO - Iter 3140/10000, Loss: 0.5260
2025-03-18	12:48:45,390	- INFO - Iter 3150/10000, Loss: 0.5255
2025-03-18	12:48:45,786	- INFO - Iter 3160/10000, Loss: 0.5250
2025-03-18	12:48:46,180	- INFO - Iter 3170/10000, Loss: 0.5245
2025-03-18	12:48:46,570	- INFO - Iter 3180/10000, Loss: 0.5240
2025-03-18	12:48:46,970	- INFO - Iter 3190/10000, Loss: 0.5235
2025-03-18	12:48:47,367	- INFO - Iter 3200/10000, Loss: 0.5230
2025-03-18	12:48:47,756	- INFO - Iter 3210/10000, Loss: 0.5225
2025-03-18	12:48:48,152	- INFO - Iter 3220/10000, Loss: 0.5220
2025-03-18	12:48:48,538	- INFO - Iter 3230/10000, Loss: 0.5215
2025-03-18	12:48:48,925	- INFO - Iter 3240/10000, Loss: 0.5210
2025-03-18	12:48:49,313	- INFO - Iter 3250/10000, Loss: 0.5205
2025-03-18	12:48:49,695	- INFO - Iter 3260/10000, Loss: 0.5200
2025-03-18	12:48:50,085	- INFO - Iter 3270/10000, Loss: 0.5196
2025-03-18	12:48:50,470	- INFO - Iter 3280/10000, Loss: 0.5191
2025-03-18	12:48:50,855	- INFO - Iter 3290/10000, Loss: 0.5186
2025-03-18	12:48:51,253	- INFO - Iter 3300/10000, Loss: 0.5181
2025-03-18	12:48:51,641	- INFO - Iter 3310/10000, Loss: 0.5177
2025-03-18	12:48:52,042	- INFO - Iter 3320/10000, Loss: 0.5172
2025-03-18	12:48:52,440	- INFO - Iter 3330/10000, Loss: 0.5167
2025-03-18	12:48:52,848	- INFO - Iter 3340/10000, Loss: 0.5163

2025-03-18	12:48:53,260	- INFO - Iter 3350/10000, Loss: 0.5158
2025-03-18	12:48:53,676	- INFO - Iter 3360/10000, Loss: 0.5153
2025-03-18	12:48:54,079	- INFO - Iter 3370/10000, Loss: 0.5149
2025-03-18	12:48:54,485	- INFO - Iter 3380/10000, Loss: 0.5144
2025-03-18	12:48:54,884	- INFO - Iter 3390/10000, Loss: 0.5140
2025-03-18	12:48:55,288	- INFO - Iter 3400/10000, Loss: 0.5135
2025-03-18	12:48:55,681	- INFO - Iter 3410/10000, Loss: 0.5131
2025-03-18	12:48:56,081	- INFO - Iter 3420/10000, Loss: 0.5126
2025-03-18	12:48:56,469	- INFO - Iter 3430/10000, Loss: 0.5122
2025-03-18	12:48:56,863	- INFO - Iter 3440/10000, Loss: 0.5118
2025-03-18	12:48:57,253	- INFO - Iter 3450/10000, Loss: 0.5113
2025-03-18	12:48:57,643	- INFO - Iter 3460/10000, Loss: 0.5109
2025-03-18	12:48:58,057	- INFO - Iter 3470/10000, Loss: 0.5104
2025-03-18	12:48:58,460	- INFO - Iter 3480/10000, Loss: 0.5100
2025-03-18	12:48:58,858	- INFO - Iter 3490/10000, Loss: 0.5096
2025-03-18	12:48:59,258	- INFO - Iter 3500/10000, Loss: 0.5091
2025-03-18	12:48:59,644	- INFO - Iter 3510/10000, Loss: 0.5087
2025-03-18	12:49:00,042	- INFO - Iter 3520/10000, Loss: 0.5083
2025-03-18	12:49:00,437	- INFO - Iter 3530/10000, Loss: 0.5079
2025-03-18	12:49:00,841	- INFO - Iter 3540/10000, Loss: 0.5075
2025-03-18	12:49:01,252	- INFO - Iter 3550/10000, Loss: 0.5070
2025-03-18	12:49:01,646	- INFO - Iter 3560/10000, Loss: 0.5066
2025-03-18	12:49:02,043	- INFO - Iter 3570/10000, Loss: 0.5062
2025-03-18	12:49:02,442	- INFO - Iter 3580/10000, Loss: 0.5058
2025-03-18	12:49:02,844	- INFO - Iter 3590/10000, Loss: 0.5054
2025-03-18	12:49:03,248	- INFO - Iter 3600/10000, Loss: 0.5050
2025-03-18	12:49:03,651	- INFO - Iter 3610/10000, Loss: 0.5046
2025-03-18	12:49:04,048	- INFO - Iter 3620/10000, Loss: 0.5042
2025-03-18	12:49:04,455	- INFO - Iter 3630/10000, Loss: 0.5037
2025-03-18	12:49:04,852	- INFO - Iter 3640/10000, Loss: 0.5033
2025-03-18	12:49:05,240	- INFO - Iter 3650/10000, Loss: 0.5029
2025-03-18	12:49:05,633	- INFO - Iter 3660/10000, Loss: 0.5025
2025-03-18	12:49:06,028	- INFO - Iter 3670/10000, Loss: 0.5022
2025-03-18	12:49:06,417	- INFO - Iter 3680/10000, Loss: 0.5018
2025-03-18	12:49:06,808	- INFO - Iter 3690/10000, Loss: 0.5014
2025-03-18	12:49:07,198	- INFO - Iter 3700/10000, Loss: 0.5010
2025-03-18	12:49:07,597	- INFO - Iter 3710/10000, Loss: 0.5006
2025-03-18	12:49:07,998	- INFO - Iter 3720/10000, Loss: 0.5002
2025-03-18	12:49:08,395	- INFO - Iter 3730/10000, Loss: 0.4998
2025-03-18	12:49:08,799	- INFO - Iter 3740/10000, Loss: 0.4994
2025-03-18	12:49:09,211	- INFO - Iter 3750/10000, Loss: 0.4990
2025-03-18	12:49:09,611	- INFO - Iter 3760/10000, Loss: 0.4987
2025-03-18	12:49:10,018	- INFO - Iter 3770/10000, Loss: 0.4983
2025-03-18	12:49:10,429	- INFO - Iter 3780/10000, Loss: 0.4979
2025-03-18	12:49:10,819	- INFO - Iter 3790/10000, Loss: 0.4975
2025-03-18	12:49:11,219	- INFO - Iter 3800/10000, Loss: 0.4971
2025-03-18	12:49:11,642	- INFO - Iter 3810/10000, Loss: 0.4968
2025-03-18	12:49:12,041	- INFO - Iter 3820/10000, Loss: 0.4964
2025-03-18	12:49:12,440	- INFO - Iter 3830/10000, Loss: 0.4960
2025-03-18	12:49:12,834	- INFO - Iter 3840/10000, Loss: 0.4957
2025-03-18	12:49:13,221	- INFO - Iter 3850/10000, Loss: 0.4953
2025-03-18	12:49:13,615	- INFO - Iter 3860/10000, Loss: 0.4949
2025-03-18	12:49:14,006	- INFO - Iter 3870/10000, Loss: 0.4946
2025-03-18	12:49:14,396	- INFO - Iter 3880/10000, Loss: 0.4942
2025-03-18	12:49:14,807	- INFO - Iter 3890/10000, Loss: 0.4938
2025-03-18	12:49:15,194	- INFO - Iter 3900/10000, Loss: 0.4935
2025-03-18	12:49:15,591	- INFO - Iter 3910/10000, Loss: 0.4931
2025-03-18	12:49:15,985	- INFO - Iter 3920/10000, Loss: 0.4928
2025-03-18	12:49:16,376	- INFO - Iter 3930/10000, Loss: 0.4924
2025-03-18	12:49:16,762	- INFO - Iter 3940/10000, Loss: 0.4921
2025-03-18	12:49:17,151	- INFO - Iter 3950/10000, Loss: 0.4917
2025-03-18	12:49:17,541	- INFO - Iter 3960/10000, Loss: 0.4914
2025-03-18	12:49:17,933	- INFO - Iter 3970/10000, Loss: 0.4910
2025-03-18	12:49:18,315	- INFO - Iter 3980/10000, Loss: 0.4907
2025-03-18	12:49:18,700	- INFO - Iter 3990/10000, Loss: 0.4903
2025-03-18	12:49:19,094	- INFO - Iter 4000/10000, Loss: 0.4900
2025-03-18	12:49:19,481	- INFO - Iter 4010/10000, Loss: 0.4896
2025-03-18	12:49:19,868	- INFO - Iter 4020/10000, Loss: 0.4893
2025-03-18	12:49:20,251	- INFO - Iter 4030/10000, Loss: 0.4890
2025-03-18	12:49:20,644	- INFO - Iter 4040/10000, Loss: 0.4886
2025-03-18	12:49:21,036	- INFO - Iter 4050/10000, Loss: 0.4883
2025-03-18	12:49:21,424	- INFO - Iter 4060/10000, Loss: 0.4879

2025-03-18	12:49:21,828	- INFO - Iter 4070/10000, Loss: 0.4876
2025-03-18	12:49:22,233	- INFO - Iter 4080/10000, Loss: 0.4873
2025-03-18	12:49:22,619	- INFO - Iter 4090/10000, Loss: 0.4869
2025-03-18	12:49:23,005	- INFO - Iter 4100/10000, Loss: 0.4866
2025-03-18	12:49:23,394	- INFO - Iter 4110/10000, Loss: 0.4863
2025-03-18	12:49:23,782	- INFO - Iter 4120/10000, Loss: 0.4860
2025-03-18	12:49:24,170	- INFO - Iter 4130/10000, Loss: 0.4856
2025-03-18	12:49:24,561	- INFO - Iter 4140/10000, Loss: 0.4853
2025-03-18	12:49:24,949	- INFO - Iter 4150/10000, Loss: 0.4850
2025-03-18	12:49:25,338	- INFO - Iter 4160/10000, Loss: 0.4847
2025-03-18	12:49:25,726	- INFO - Iter 4170/10000, Loss: 0.4843
2025-03-18	12:49:26,115	- INFO - Iter 4180/10000, Loss: 0.4840
2025-03-18	12:49:26,499	- INFO - Iter 4190/10000, Loss: 0.4837
2025-03-18	12:49:26,888	- INFO - Iter 4200/10000, Loss: 0.4834
2025-03-18	12:49:27,276	- INFO - Iter 4210/10000, Loss: 0.4831
2025-03-18	12:49:27,663	- INFO - Iter 4220/10000, Loss: 0.4827
2025-03-18	12:49:28,063	- INFO - Iter 4230/10000, Loss: 0.4824
2025-03-18	12:49:28,458	- INFO - Iter 4240/10000, Loss: 0.4821
2025-03-18	12:49:28,847	- INFO - Iter 4250/10000, Loss: 0.4818
2025-03-18	12:49:29,237	- INFO - Iter 4260/10000, Loss: 0.4815
2025-03-18	12:49:29,626	- INFO - Iter 4270/10000, Loss: 0.4812
2025-03-18	12:49:30,016	- INFO - Iter 4280/10000, Loss: 0.4809
2025-03-18	12:49:30,411	- INFO - Iter 4290/10000, Loss: 0.4806
2025-03-18	12:49:30,805	- INFO - Iter 4300/10000, Loss: 0.4803
2025-03-18	12:49:31,191	- INFO - Iter 4310/10000, Loss: 0.4800
2025-03-18	12:49:31,586	- INFO - Iter 4320/10000, Loss: 0.4796
2025-03-18	12:49:31,983	- INFO - Iter 4330/10000, Loss: 0.4793
2025-03-18	12:49:32,373	- INFO - Iter 4340/10000, Loss: 0.4790
2025-03-18	12:49:32,758	- INFO - Iter 4350/10000, Loss: 0.4787
2025-03-18	12:49:33,144	- INFO - Iter 4360/10000, Loss: 0.4784
2025-03-18	12:49:33,540	- INFO - Iter 4370/10000, Loss: 0.4781
2025-03-18	12:49:33,933	- INFO - Iter 4380/10000, Loss: 0.4778
2025-03-18	12:49:34,334	- INFO - Iter 4390/10000, Loss: 0.4776
2025-03-18	12:49:34,724	- INFO - Iter 4400/10000, Loss: 0.4773
2025-03-18	12:49:35,117	- INFO - Iter 4410/10000, Loss: 0.4770
2025-03-18	12:49:35,512	- INFO - Iter 4420/10000, Loss: 0.4767
2025-03-18	12:49:35,900	- INFO - Iter 4430/10000, Loss: 0.4764
2025-03-18	12:49:36,311	- INFO - Iter 4440/10000, Loss: 0.4761
2025-03-18	12:49:36,717	- INFO - Iter 4450/10000, Loss: 0.4758
2025-03-18	12:49:37,105	- INFO - Iter 4460/10000, Loss: 0.4755
2025-03-18	12:49:37,492	- INFO - Iter 4470/10000, Loss: 0.4752
2025-03-18	12:49:37,883	- INFO - Iter 4480/10000, Loss: 0.4749
2025-03-18	12:49:38,280	- INFO - Iter 4490/10000, Loss: 0.4747
2025-03-18	12:49:38,681	- INFO - Iter 4500/10000, Loss: 0.4744
2025-03-18	12:49:39,072	- INFO - Iter 4510/10000, Loss: 0.4741
2025-03-18	12:49:39,456	- INFO - Iter 4520/10000, Loss: 0.4738
2025-03-18	12:49:39,852	- INFO - Iter 4530/10000, Loss: 0.4735
2025-03-18	12:49:40,253	- INFO - Iter 4540/10000, Loss: 0.4732
2025-03-18	12:49:40,644	- INFO - Iter 4550/10000, Loss: 0.4730
2025-03-18	12:49:41,031	- INFO - Iter 4560/10000, Loss: 0.4727
2025-03-18	12:49:41,433	- INFO - Iter 4570/10000, Loss: 0.4724
2025-03-18	12:49:41,834	- INFO - Iter 4580/10000, Loss: 0.4721
2025-03-18	12:49:42,231	- INFO - Iter 4590/10000, Loss: 0.4719
2025-03-18	12:49:42,623	- INFO - Iter 4600/10000, Loss: 0.4716
2025-03-18	12:49:43,014	- INFO - Iter 4610/10000, Loss: 0.4713
2025-03-18	12:49:43,410	- INFO - Iter 4620/10000, Loss: 0.4710
2025-03-18	12:49:43,805	- INFO - Iter 4630/10000, Loss: 0.4708
2025-03-18	12:49:44,192	- INFO - Iter 4640/10000, Loss: 0.4705
2025-03-18	12:49:44,588	- INFO - Iter 4650/10000, Loss: 0.4702
2025-03-18	12:49:44,977	- INFO - Iter 4660/10000, Loss: 0.4700
2025-03-18	12:49:45,367	- INFO - Iter 4670/10000, Loss: 0.4697
2025-03-18	12:49:45,756	- INFO - Iter 4680/10000, Loss: 0.4694
2025-03-18	12:49:46,151	- INFO - Iter 4690/10000, Loss: 0.4692
2025-03-18	12:49:46,543	- INFO - Iter 4700/10000, Loss: 0.4689
2025-03-18	12:49:46,933	- INFO - Iter 4710/10000, Loss: 0.4686
2025-03-18	12:49:47,323	- INFO - Iter 4720/10000, Loss: 0.4684
2025-03-18	12:49:47,708	- INFO - Iter 4730/10000, Loss: 0.4681
2025-03-18	12:49:48,098	- INFO - Iter 4740/10000, Loss: 0.4678
2025-03-18	12:49:48,483	- INFO - Iter 4750/10000, Loss: 0.4676
2025-03-18	12:49:48,871	- INFO - Iter 4760/10000, Loss: 0.4673
2025-03-18	12:49:49,259	- INFO - Iter 4770/10000, Loss: 0.4671
2025-03-18	12:49:49,643	- INFO - Iter 4780/10000, Loss: 0.4668

2025-03-18	12:49:50,135	- INFO - Iter 4790/10000, Loss: 0.4665
2025-03-18	12:49:50,422	- INFO - Iter 4800/10000, Loss: 0.4663
2025-03-18	12:49:50,809	- INFO - Iter 4810/10000, Loss: 0.4660
2025-03-18	12:49:51,192	- INFO - Iter 4820/10000, Loss: 0.4658
2025-03-18	12:49:51,580	- INFO - Iter 4830/10000, Loss: 0.4655
2025-03-18	12:49:51,975	- INFO - Iter 4840/10000, Loss: 0.4653
2025-03-18	12:49:52,373	- INFO - Iter 4850/10000, Loss: 0.4650
2025-03-18	12:49:52,761	- INFO - Iter 4860/10000, Loss: 0.4648
2025-03-18	12:49:53,143	- INFO - Iter 4870/10000, Loss: 0.4645
2025-03-18	12:49:53,528	- INFO - Iter 4880/10000, Loss: 0.4643
2025-03-18	12:49:53,928	- INFO - Iter 4890/10000, Loss: 0.4640
2025-03-18	12:49:54,319	- INFO - Iter 4900/10000, Loss: 0.4638
2025-03-18	12:49:54,700	- INFO - Iter 4910/10000, Loss: 0.4635
2025-03-18	12:49:55,086	- INFO - Iter 4920/10000, Loss: 0.4633
2025-03-18	12:49:55,472	- INFO - Iter 4930/10000, Loss: 0.4630
2025-03-18	12:49:55,859	- INFO - Iter 4940/10000, Loss: 0.4628
2025-03-18	12:49:56,254	- INFO - Iter 4950/10000, Loss: 0.4625
2025-03-18	12:49:56,654	- INFO - Iter 4960/10000, Loss: 0.4623
2025-03-18	12:49:57,048	- INFO - Iter 4970/10000, Loss: 0.4621
2025-03-18	12:49:57,451	- INFO - Iter 4980/10000, Loss: 0.4618
2025-03-18	12:49:57,841	- INFO - Iter 4990/10000, Loss: 0.4616
2025-03-18	12:49:58,240	- INFO - Iter 5000/10000, Loss: 0.4613
2025-03-18	12:49:58,639	- INFO - Iter 5010/10000, Loss: 0.4611
2025-03-18	12:49:59,031	- INFO - Iter 5020/10000, Loss: 0.4609
2025-03-18	12:49:59,422	- INFO - Iter 5030/10000, Loss: 0.4606
2025-03-18	12:49:59,819	- INFO - Iter 5040/10000, Loss: 0.4604
2025-03-18	12:50:00,218	- INFO - Iter 5050/10000, Loss: 0.4602
2025-03-18	12:50:00,606	- INFO - Iter 5060/10000, Loss: 0.4599
2025-03-18	12:50:01,004	- INFO - Iter 5070/10000, Loss: 0.4597
2025-03-18	12:50:01,401	- INFO - Iter 5080/10000, Loss: 0.4595
2025-03-18	12:50:01,795	- INFO - Iter 5090/10000, Loss: 0.4592
2025-03-18	12:50:02,191	- INFO - Iter 5100/10000, Loss: 0.4590
2025-03-18	12:50:02,581	- INFO - Iter 5110/10000, Loss: 0.4588
2025-03-18	12:50:03,002	- INFO - Iter 5120/10000, Loss: 0.4585
2025-03-18	12:50:03,407	- INFO - Iter 5130/10000, Loss: 0.4583
2025-03-18	12:50:03,796	- INFO - Iter 5140/10000, Loss: 0.4581
2025-03-18	12:50:04,186	- INFO - Iter 5150/10000, Loss: 0.4578
2025-03-18	12:50:04,578	- INFO - Iter 5160/10000, Loss: 0.4576
2025-03-18	12:50:04,971	- INFO - Iter 5170/10000, Loss: 0.4574
2025-03-18	12:50:05,356	- INFO - Iter 5180/10000, Loss: 0.4572
2025-03-18	12:50:05,749	- INFO - Iter 5190/10000, Loss: 0.4569
2025-03-18	12:50:06,138	- INFO - Iter 5200/10000, Loss: 0.4567
2025-03-18	12:50:06,526	- INFO - Iter 5210/10000, Loss: 0.4565
2025-03-18	12:50:06,918	- INFO - Iter 5220/10000, Loss: 0.4563
2025-03-18	12:50:07,307	- INFO - Iter 5230/10000, Loss: 0.4560
2025-03-18	12:50:07,697	- INFO - Iter 5240/10000, Loss: 0.4558
2025-03-18	12:50:08,082	- INFO - Iter 5250/10000, Loss: 0.4556
2025-03-18	12:50:08,471	- INFO - Iter 5260/10000, Loss: 0.4554
2025-03-18	12:50:08,859	- INFO - Iter 5270/10000, Loss: 0.4552
2025-03-18	12:50:09,245	- INFO - Iter 5280/10000, Loss: 0.4549
2025-03-18	12:50:09,633	- INFO - Iter 5290/10000, Loss: 0.4547
2025-03-18	12:50:10,022	- INFO - Iter 5300/10000, Loss: 0.4545
2025-03-18	12:50:10,417	- INFO - Iter 5310/10000, Loss: 0.4543
2025-03-18	12:50:10,808	- INFO - Iter 5320/10000, Loss: 0.4541
2025-03-18	12:50:11,195	- INFO - Iter 5330/10000, Loss: 0.4538
2025-03-18	12:50:11,587	- INFO - Iter 5340/10000, Loss: 0.4536
2025-03-18	12:50:11,978	- INFO - Iter 5350/10000, Loss: 0.4534
2025-03-18	12:50:12,383	- INFO - Iter 5360/10000, Loss: 0.4532
2025-03-18	12:50:12,772	- INFO - Iter 5370/10000, Loss: 0.4530
2025-03-18	12:50:13,166	- INFO - Iter 5380/10000, Loss: 0.4528
2025-03-18	12:50:13,552	- INFO - Iter 5390/10000, Loss: 0.4526
2025-03-18	12:50:13,938	- INFO - Iter 5400/10000, Loss: 0.4523
2025-03-18	12:50:14,325	- INFO - Iter 5410/10000, Loss: 0.4521
2025-03-18	12:50:14,710	- INFO - Iter 5420/10000, Loss: 0.4519
2025-03-18	12:50:15,099	- INFO - Iter 5430/10000, Loss: 0.4517
2025-03-18	12:50:15,484	- INFO - Iter 5440/10000, Loss: 0.4515
2025-03-18	12:50:15,870	- INFO - Iter 5450/10000, Loss: 0.4513
2025-03-18	12:50:16,268	- INFO - Iter 5460/10000, Loss: 0.4511
2025-03-18	12:50:16,658	- INFO - Iter 5470/10000, Loss: 0.4509
2025-03-18	12:50:17,049	- INFO - Iter 5480/10000, Loss: 0.4507
2025-03-18	12:50:17,436	- INFO - Iter 5490/10000, Loss: 0.4505
2025-03-18	12:50:17,822	- INFO - Iter 5500/10000, Loss: 0.4503

2025-03-18	12:50:18,206	- INFO - Iter 5510/10000, Loss: 0.4501
2025-03-18	12:50:18,595	- INFO - Iter 5520/10000, Loss: 0.4499
2025-03-18	12:50:18,982	- INFO - Iter 5530/10000, Loss: 0.4497
2025-03-18	12:50:19,368	- INFO - Iter 5540/10000, Loss: 0.4495
2025-03-18	12:50:19,752	- INFO - Iter 5550/10000, Loss: 0.4492
2025-03-18	12:50:20,141	- INFO - Iter 5560/10000, Loss: 0.4490
2025-03-18	12:50:20,530	- INFO - Iter 5570/10000, Loss: 0.4488
2025-03-18	12:50:20,918	- INFO - Iter 5580/10000, Loss: 0.4486
2025-03-18	12:50:21,307	- INFO - Iter 5590/10000, Loss: 0.4484
2025-03-18	12:50:21,694	- INFO - Iter 5600/10000, Loss: 0.4482
2025-03-18	12:50:22,093	- INFO - Iter 5610/10000, Loss: 0.4480
2025-03-18	12:50:22,490	- INFO - Iter 5620/10000, Loss: 0.4478
2025-03-18	12:50:22,886	- INFO - Iter 5630/10000, Loss: 0.4476
2025-03-18	12:50:23,271	- INFO - Iter 5640/10000, Loss: 0.4475
2025-03-18	12:50:23,663	- INFO - Iter 5650/10000, Loss: 0.4473
2025-03-18	12:50:24,055	- INFO - Iter 5660/10000, Loss: 0.4471
2025-03-18	12:50:24,443	- INFO - Iter 5670/10000, Loss: 0.4469
2025-03-18	12:50:24,826	- INFO - Iter 5680/10000, Loss: 0.4467
2025-03-18	12:50:25,214	- INFO - Iter 5690/10000, Loss: 0.4465
2025-03-18	12:50:25,600	- INFO - Iter 5700/10000, Loss: 0.4463
2025-03-18	12:50:25,987	- INFO - Iter 5710/10000, Loss: 0.4461
2025-03-18	12:50:26,372	- INFO - Iter 5720/10000, Loss: 0.4459
2025-03-18	12:50:26,763	- INFO - Iter 5730/10000, Loss: 0.4457
2025-03-18	12:50:27,148	- INFO - Iter 5740/10000, Loss: 0.4455
2025-03-18	12:50:27,533	- INFO - Iter 5750/10000, Loss: 0.4453
2025-03-18	12:50:27,922	- INFO - Iter 5760/10000, Loss: 0.4451
2025-03-18	12:50:28,317	- INFO - Iter 5770/10000, Loss: 0.4449
2025-03-18	12:50:28,708	- INFO - Iter 5780/10000, Loss: 0.4447
2025-03-18	12:50:29,094	- INFO - Iter 5790/10000, Loss: 0.4446
2025-03-18	12:50:29,483	- INFO - Iter 5800/10000, Loss: 0.4444
2025-03-18	12:50:29,871	- INFO - Iter 5810/10000, Loss: 0.4442
2025-03-18	12:50:30,260	- INFO - Iter 5820/10000, Loss: 0.4440
2025-03-18	12:50:30,644	- INFO - Iter 5830/10000, Loss: 0.4438
2025-03-18	12:50:31,033	- INFO - Iter 5840/10000, Loss: 0.4436
2025-03-18	12:50:31,418	- INFO - Iter 5850/10000, Loss: 0.4434
2025-03-18	12:50:31,809	- INFO - Iter 5860/10000, Loss: 0.4432
2025-03-18	12:50:32,198	- INFO - Iter 5870/10000, Loss: 0.4431
2025-03-18	12:50:32,584	- INFO - Iter 5880/10000, Loss: 0.4429
2025-03-18	12:50:33,003	- INFO - Iter 5890/10000, Loss: 0.4427
2025-03-18	12:50:33,400	- INFO - Iter 5900/10000, Loss: 0.4425
2025-03-18	12:50:33,787	- INFO - Iter 5910/10000, Loss: 0.4423
2025-03-18	12:50:34,178	- INFO - Iter 5920/10000, Loss: 0.4421
2025-03-18	12:50:34,569	- INFO - Iter 5930/10000, Loss: 0.4420
2025-03-18	12:50:34,961	- INFO - Iter 5940/10000, Loss: 0.4418
2025-03-18	12:50:35,348	- INFO - Iter 5950/10000, Loss: 0.4416
2025-03-18	12:50:35,736	- INFO - Iter 5960/10000, Loss: 0.4414
2025-03-18	12:50:36,136	- INFO - Iter 5970/10000, Loss: 0.4412
2025-03-18	12:50:36,532	- INFO - Iter 5980/10000, Loss: 0.4411
2025-03-18	12:50:36,923	- INFO - Iter 5990/10000, Loss: 0.4409
2025-03-18	12:50:37,315	- INFO - Iter 6000/10000, Loss: 0.4407
2025-03-18	12:50:37,704	- INFO - Iter 6010/10000, Loss: 0.4405
2025-03-18	12:50:38,114	- INFO - Iter 6020/10000, Loss: 0.4403
2025-03-18	12:50:38,514	- INFO - Iter 6030/10000, Loss: 0.4402
2025-03-18	12:50:38,914	- INFO - Iter 6040/10000, Loss: 0.4400
2025-03-18	12:50:39,317	- INFO - Iter 6050/10000, Loss: 0.4398
2025-03-18	12:50:39,702	- INFO - Iter 6060/10000, Loss: 0.4396
2025-03-18	12:50:40,097	- INFO - Iter 6070/10000, Loss: 0.4395
2025-03-18	12:50:40,490	- INFO - Iter 6080/10000, Loss: 0.4393
2025-03-18	12:50:40,880	- INFO - Iter 6090/10000, Loss: 0.4391
2025-03-18	12:50:41,268	- INFO - Iter 6100/10000, Loss: 0.4389
2025-03-18	12:50:41,653	- INFO - Iter 6110/10000, Loss: 0.4388
2025-03-18	12:50:42,054	- INFO - Iter 6120/10000, Loss: 0.4386
2025-03-18	12:50:42,448	- INFO - Iter 6130/10000, Loss: 0.4384
2025-03-18	12:50:42,849	- INFO - Iter 6140/10000, Loss: 0.4382
2025-03-18	12:50:43,254	- INFO - Iter 6150/10000, Loss: 0.4381
2025-03-18	12:50:43,649	- INFO - Iter 6160/10000, Loss: 0.4379
2025-03-18	12:50:44,044	- INFO - Iter 6170/10000, Loss: 0.4377
2025-03-18	12:50:44,431	- INFO - Iter 6180/10000, Loss: 0.4376
2025-03-18	12:50:44,819	- INFO - Iter 6190/10000, Loss: 0.4374
2025-03-18	12:50:45,207	- INFO - Iter 6200/10000, Loss: 0.4372
2025-03-18	12:50:45,597	- INFO - Iter 6210/10000, Loss: 0.4371
2025-03-18	12:50:45,992	- INFO - Iter 6220/10000, Loss: 0.4369



2025-03-18	12:50:46,390	- INFO - Iter 6230/10000, Loss: 0.4367
2025-03-18	12:50:46,785	- INFO - Iter 6240/10000, Loss: 0.4365
2025-03-18	12:50:47,177	- INFO - Iter 6250/10000, Loss: 0.4364
2025-03-18	12:50:47,565	- INFO - Iter 6260/10000, Loss: 0.4362
2025-03-18	12:50:47,953	- INFO - Iter 6270/10000, Loss: 0.4360
2025-03-18	12:50:48,344	- INFO - Iter 6280/10000, Loss: 0.4359
2025-03-18	12:50:48,729	- INFO - Iter 6290/10000, Loss: 0.4357
2025-03-18	12:50:49,115	- INFO - Iter 6300/10000, Loss: 0.4356
2025-03-18	12:50:49,503	- INFO - Iter 6310/10000, Loss: 0.4354
2025-03-18	12:50:49,891	- INFO - Iter 6320/10000, Loss: 0.4352
2025-03-18	12:50:50,286	- INFO - Iter 6330/10000, Loss: 0.4351
2025-03-18	12:50:50,672	- INFO - Iter 6340/10000, Loss: 0.4349
2025-03-18	12:50:51,067	- INFO - Iter 6350/10000, Loss: 0.4347
2025-03-18	12:50:51,455	- INFO - Iter 6360/10000, Loss: 0.4346
2025-03-18	12:50:51,841	- INFO - Iter 6370/10000, Loss: 0.4344
2025-03-18	12:50:52,240	- INFO - Iter 6380/10000, Loss: 0.4342
2025-03-18	12:50:52,631	- INFO - Iter 6390/10000, Loss: 0.4341
2025-03-18	12:50:53,028	- INFO - Iter 6400/10000, Loss: 0.4339
2025-03-18	12:50:53,418	- INFO - Iter 6410/10000, Loss: 0.4338
2025-03-18	12:50:53,815	- INFO - Iter 6420/10000, Loss: 0.4336
2025-03-18	12:50:54,202	- INFO - Iter 6430/10000, Loss: 0.4334
2025-03-18	12:50:54,588	- INFO - Iter 6440/10000, Loss: 0.4333
2025-03-18	12:50:54,979	- INFO - Iter 6450/10000, Loss: 0.4331
2025-03-18	12:50:55,366	- INFO - Iter 6460/10000, Loss: 0.4330
2025-03-18	12:50:55,752	- INFO - Iter 6470/10000, Loss: 0.4328
2025-03-18	12:50:56,141	- INFO - Iter 6480/10000, Loss: 0.4326
2025-03-18	12:50:56,526	- INFO - Iter 6490/10000, Loss: 0.4325
2025-03-18	12:50:56,913	- INFO - Iter 6500/10000, Loss: 0.4323
2025-03-18	12:50:57,302	- INFO - Iter 6510/10000, Loss: 0.4322
2025-03-18	12:50:57,684	- INFO - Iter 6520/10000, Loss: 0.4320
2025-03-18	12:50:58,078	- INFO - Iter 6530/10000, Loss: 0.4319
2025-03-18	12:50:58,473	- INFO - Iter 6540/10000, Loss: 0.4317
2025-03-18	12:50:58,865	- INFO - Iter 6550/10000, Loss: 0.4316
2025-03-18	12:50:59,261	- INFO - Iter 6560/10000, Loss: 0.4314
2025-03-18	12:50:59,652	- INFO - Iter 6570/10000, Loss: 0.4312
2025-03-18	12:51:00,042	- INFO - Iter 6580/10000, Loss: 0.4311
2025-03-18	12:51:00,437	- INFO - Iter 6590/10000, Loss: 0.4309
2025-03-18	12:51:00,826	- INFO - Iter 6600/10000, Loss: 0.4308
2025-03-18	12:51:01,213	- INFO - Iter 6610/10000, Loss: 0.4306
2025-03-18	12:51:01,611	- INFO - Iter 6620/10000, Loss: 0.4305
2025-03-18	12:51:02,008	- INFO - Iter 6630/10000, Loss: 0.4303
2025-03-18	12:51:02,407	- INFO - Iter 6640/10000, Loss: 0.4302
2025-03-18	12:51:02,798	- INFO - Iter 6650/10000, Loss: 0.4300
2025-03-18	12:51:03,207	- INFO - Iter 6660/10000, Loss: 0.4299
2025-03-18	12:51:03,596	- INFO - Iter 6670/10000, Loss: 0.4297
2025-03-18	12:51:04,002	- INFO - Iter 6680/10000, Loss: 0.4296
2025-03-18	12:51:04,402	- INFO - Iter 6690/10000, Loss: 0.4294
2025-03-18	12:51:04,808	- INFO - Iter 6700/10000, Loss: 0.4293
2025-03-18	12:51:05,229	- INFO - Iter 6710/10000, Loss: 0.4291
2025-03-18	12:51:05,636	- INFO - Iter 6720/10000, Loss: 0.4290
2025-03-18	12:51:06,036	- INFO - Iter 6730/10000, Loss: 0.4288
2025-03-18	12:51:06,431	- INFO - Iter 6740/10000, Loss: 0.4287
2025-03-18	12:51:06,833	- INFO - Iter 6750/10000, Loss: 0.4285
2025-03-18	12:51:07,239	- INFO - Iter 6760/10000, Loss: 0.4284
2025-03-18	12:51:07,644	- INFO - Iter 6770/10000, Loss: 0.4282
2025-03-18	12:51:08,038	- INFO - Iter 6780/10000, Loss: 0.4281
2025-03-18	12:51:08,433	- INFO - Iter 6790/10000, Loss: 0.4279
2025-03-18	12:51:08,824	- INFO - Iter 6800/10000, Loss: 0.4278
2025-03-18	12:51:09,218	- INFO - Iter 6810/10000, Loss: 0.4276
2025-03-18	12:51:09,622	- INFO - Iter 6820/10000, Loss: 0.4275
2025-03-18	12:51:10,016	- INFO - Iter 6830/10000, Loss: 0.4273
2025-03-18	12:51:10,421	- INFO - Iter 6840/10000, Loss: 0.4272
2025-03-18	12:51:10,822	- INFO - Iter 6850/10000, Loss: 0.4271
2025-03-18	12:51:11,210	- INFO - Iter 6860/10000, Loss: 0.4269
2025-03-18	12:51:11,606	- INFO - Iter 6870/10000, Loss: 0.4268
2025-03-18	12:51:12,002	- INFO - Iter 6880/10000, Loss: 0.4266
2025-03-18	12:51:12,394	- INFO - Iter 6890/10000, Loss: 0.4265
2025-03-18	12:51:12,798	- INFO - Iter 6900/10000, Loss: 0.4263
2025-03-18	12:51:13,204	- INFO - Iter 6910/10000, Loss: 0.4262
2025-03-18	12:51:13,615	- INFO - Iter 6920/10000, Loss: 0.4261
2025-03-18	12:51:14,005	- INFO - Iter 6930/10000, Loss: 0.4259
2025-03-18	12:51:14,405	- INFO - Iter 6940/10000, Loss: 0.4258

2025-03-18	12:51:14,806	- INFO - Iter 6950/10000, Loss: 0.4256
2025-03-18	12:51:15,200	- INFO - Iter 6960/10000, Loss: 0.4255
2025-03-18	12:51:15,590	- INFO - Iter 6970/10000, Loss: 0.4253
2025-03-18	12:51:15,989	- INFO - Iter 6980/10000, Loss: 0.4252
2025-03-18	12:51:16,395	- INFO - Iter 6990/10000, Loss: 0.4251
2025-03-18	12:51:16,787	- INFO - Iter 7000/10000, Loss: 0.4249
2025-03-18	12:51:17,187	- INFO - Iter 7010/10000, Loss: 0.4248
2025-03-18	12:51:17,593	- INFO - Iter 7020/10000, Loss: 0.4246
2025-03-18	12:51:17,993	- INFO - Iter 7030/10000, Loss: 0.4245
2025-03-18	12:51:18,391	- INFO - Iter 7040/10000, Loss: 0.4244
2025-03-18	12:51:18,790	- INFO - Iter 7050/10000, Loss: 0.4242
2025-03-18	12:51:19,185	- INFO - Iter 7060/10000, Loss: 0.4241
2025-03-18	12:51:19,575	- INFO - Iter 7070/10000, Loss: 0.4240
2025-03-18	12:51:19,969	- INFO - Iter 7080/10000, Loss: 0.4238
2025-03-18	12:51:20,362	- INFO - Iter 7090/10000, Loss: 0.4237
2025-03-18	12:51:20,750	- INFO - Iter 7100/10000, Loss: 0.4235
2025-03-18	12:51:21,150	- INFO - Iter 7110/10000, Loss: 0.4234
2025-03-18	12:51:21,552	- INFO - Iter 7120/10000, Loss: 0.4233
2025-03-18	12:51:21,943	- INFO - Iter 7130/10000, Loss: 0.4231
2025-03-18	12:51:22,337	- INFO - Iter 7140/10000, Loss: 0.4230
2025-03-18	12:51:22,735	- INFO - Iter 7150/10000, Loss: 0.4229
2025-03-18	12:51:23,130	- INFO - Iter 7160/10000, Loss: 0.4227
2025-03-18	12:51:23,539	- INFO - Iter 7170/10000, Loss: 0.4226
2025-03-18	12:51:23,936	- INFO - Iter 7180/10000, Loss: 0.4225
2025-03-18	12:51:24,333	- INFO - Iter 7190/10000, Loss: 0.4223
2025-03-18	12:51:24,731	- INFO - Iter 7200/10000, Loss: 0.4222
2025-03-18	12:51:25,123	- INFO - Iter 7210/10000, Loss: 0.4221
2025-03-18	12:51:25,507	- INFO - Iter 7220/10000, Loss: 0.4219
2025-03-18	12:51:25,903	- INFO - Iter 7230/10000, Loss: 0.4218
2025-03-18	12:51:26,303	- INFO - Iter 7240/10000, Loss: 0.4217
2025-03-18	12:51:26,692	- INFO - Iter 7250/10000, Loss: 0.4215
2025-03-18	12:51:27,075	- INFO - Iter 7260/10000, Loss: 0.4214
2025-03-18	12:51:27,463	- INFO - Iter 7270/10000, Loss: 0.4213
2025-03-18	12:51:27,851	- INFO - Iter 7280/10000, Loss: 0.4211
2025-03-18	12:51:28,253	- INFO - Iter 7290/10000, Loss: 0.4210
2025-03-18	12:51:28,644	- INFO - Iter 7300/10000, Loss: 0.4209
2025-03-18	12:51:29,031	- INFO - Iter 7310/10000, Loss: 0.4207
2025-03-18	12:51:29,416	- INFO - Iter 7320/10000, Loss: 0.4206
2025-03-18	12:51:29,810	- INFO - Iter 7330/10000, Loss: 0.4205
2025-03-18	12:51:30,215	- INFO - Iter 7340/10000, Loss: 0.4204
2025-03-18	12:51:30,612	- INFO - Iter 7350/10000, Loss: 0.4202
2025-03-18	12:51:31,001	- INFO - Iter 7360/10000, Loss: 0.4201
2025-03-18	12:51:31,389	- INFO - Iter 7370/10000, Loss: 0.4200
2025-03-18	12:51:31,782	- INFO - Iter 7380/10000, Loss: 0.4198
2025-03-18	12:51:32,191	- INFO - Iter 7390/10000, Loss: 0.4197
2025-03-18	12:51:32,580	- INFO - Iter 7400/10000, Loss: 0.4196
2025-03-18	12:51:32,978	- INFO - Iter 7410/10000, Loss: 0.4195
2025-03-18	12:51:33,365	- INFO - Iter 7420/10000, Loss: 0.4193
2025-03-18	12:51:33,770	- INFO - Iter 7430/10000, Loss: 0.4192
2025-03-18	12:51:34,162	- INFO - Iter 7440/10000, Loss: 0.4191
2025-03-18	12:51:34,564	- INFO - Iter 7450/10000, Loss: 0.4189
2025-03-18	12:51:34,970	- INFO - Iter 7460/10000, Loss: 0.4188
2025-03-18	12:51:35,363	- INFO - Iter 7470/10000, Loss: 0.4187
2025-03-18	12:51:35,752	- INFO - Iter 7480/10000, Loss: 0.4186
2025-03-18	12:51:36,143	- INFO - Iter 7490/10000, Loss: 0.4184
2025-03-18	12:51:36,542	- INFO - Iter 7500/10000, Loss: 0.4183
2025-03-18	12:51:36,943	- INFO - Iter 7510/10000, Loss: 0.4182
2025-03-18	12:51:37,338	- INFO - Iter 7520/10000, Loss: 0.4181
2025-03-18	12:51:37,727	- INFO - Iter 7530/10000, Loss: 0.4179
2025-03-18	12:51:38,133	- INFO - Iter 7540/10000, Loss: 0.4178
2025-03-18	12:51:38,543	- INFO - Iter 7550/10000, Loss: 0.4177
2025-03-18	12:51:38,951	- INFO - Iter 7560/10000, Loss: 0.4176
2025-03-18	12:51:39,355	- INFO - Iter 7570/10000, Loss: 0.4174
2025-03-18	12:51:39,772	- INFO - Iter 7580/10000, Loss: 0.4173
2025-03-18	12:51:40,191	- INFO - Iter 7590/10000, Loss: 0.4172
2025-03-18	12:51:40,597	- INFO - Iter 7600/10000, Loss: 0.4171
2025-03-18	12:51:41,022	- INFO - Iter 7610/10000, Loss: 0.4170
2025-03-18	12:51:41,449	- INFO - Iter 7620/10000, Loss: 0.4168
2025-03-18	12:51:41,872	- INFO - Iter 7630/10000, Loss: 0.4167
2025-03-18	12:51:42,321	- INFO - Iter 7640/10000, Loss: 0.4166
2025-03-18	12:51:42,751	- INFO - Iter 7650/10000, Loss: 0.4165
2025-03-18	12:51:43,182	- INFO - Iter 7660/10000, Loss: 0.4163

2025-03-18	12:51:43,597	- INFO - Iter 7670/10000, Loss: 0.4162
2025-03-18	12:51:44,014	- INFO - Iter 7680/10000, Loss: 0.4161
2025-03-18	12:51:44,412	- INFO - Iter 7690/10000, Loss: 0.4160
2025-03-18	12:51:44,812	- INFO - Iter 7700/10000, Loss: 0.4159
2025-03-18	12:51:45,205	- INFO - Iter 7710/10000, Loss: 0.4157
2025-03-18	12:51:45,607	- INFO - Iter 7720/10000, Loss: 0.4156
2025-03-18	12:51:46,033	- INFO - Iter 7730/10000, Loss: 0.4155
2025-03-18	12:51:46,451	- INFO - Iter 7740/10000, Loss: 0.4154
2025-03-18	12:51:46,867	- INFO - Iter 7750/10000, Loss: 0.4153
2025-03-18	12:51:47,287	- INFO - Iter 7760/10000, Loss: 0.4151
2025-03-18	12:51:47,692	- INFO - Iter 7770/10000, Loss: 0.4150
2025-03-18	12:51:48,092	- INFO - Iter 7780/10000, Loss: 0.4149
2025-03-18	12:51:48,497	- INFO - Iter 7790/10000, Loss: 0.4148
2025-03-18	12:51:48,896	- INFO - Iter 7800/10000, Loss: 0.4147
2025-03-18	12:51:49,298	- INFO - Iter 7810/10000, Loss: 0.4146
2025-03-18	12:51:49,704	- INFO - Iter 7820/10000, Loss: 0.4144
2025-03-18	12:51:50,108	- INFO - Iter 7830/10000, Loss: 0.4143
2025-03-18	12:51:50,517	- INFO - Iter 7840/10000, Loss: 0.4142
2025-03-18	12:51:50,909	- INFO - Iter 7850/10000, Loss: 0.4141
2025-03-18	12:51:51,295	- INFO - Iter 7860/10000, Loss: 0.4140
2025-03-18	12:51:51,681	- INFO - Iter 7870/10000, Loss: 0.4139
2025-03-18	12:51:52,069	- INFO - Iter 7880/10000, Loss: 0.4137
2025-03-18	12:51:52,461	- INFO - Iter 7890/10000, Loss: 0.4136
2025-03-18	12:51:52,853	- INFO - Iter 7900/10000, Loss: 0.4135
2025-03-18	12:51:53,246	- INFO - Iter 7910/10000, Loss: 0.4134
2025-03-18	12:51:53,641	- INFO - Iter 7920/10000, Loss: 0.4133
2025-03-18	12:51:54,038	- INFO - Iter 7930/10000, Loss: 0.4132
2025-03-18	12:51:54,425	- INFO - Iter 7940/10000, Loss: 0.4131
2025-03-18	12:51:54,816	- INFO - Iter 7950/10000, Loss: 0.4129
2025-03-18	12:51:55,203	- INFO - Iter 7960/10000, Loss: 0.4128
2025-03-18	12:51:55,605	- INFO - Iter 7970/10000, Loss: 0.4127
2025-03-18	12:51:56,001	- INFO - Iter 7980/10000, Loss: 0.4126
2025-03-18	12:51:56,394	- INFO - Iter 7990/10000, Loss: 0.4125
2025-03-18	12:51:56,782	- INFO - Iter 8000/10000, Loss: 0.4124
2025-03-18	12:51:57,174	- INFO - Iter 8010/10000, Loss: 0.4123
2025-03-18	12:51:57,564	- INFO - Iter 8020/10000, Loss: 0.4121
2025-03-18	12:51:57,949	- INFO - Iter 8030/10000, Loss: 0.4120
2025-03-18	12:51:58,339	- INFO - Iter 8040/10000, Loss: 0.4119
2025-03-18	12:51:58,738	- INFO - Iter 8050/10000, Loss: 0.4118
2025-03-18	12:51:59,129	- INFO - Iter 8060/10000, Loss: 0.4117
2025-03-18	12:51:59,518	- INFO - Iter 8070/10000, Loss: 0.4116
2025-03-18	12:51:59,908	- INFO - Iter 8080/10000, Loss: 0.4115
2025-03-18	12:52:00,305	- INFO - Iter 8090/10000, Loss: 0.4114
2025-03-18	12:52:00,696	- INFO - Iter 8100/10000, Loss: 0.4112
2025-03-18	12:52:01,094	- INFO - Iter 8110/10000, Loss: 0.4111
2025-03-18	12:52:01,494	- INFO - Iter 8120/10000, Loss: 0.4110
2025-03-18	12:52:01,891	- INFO - Iter 8130/10000, Loss: 0.4109
2025-03-18	12:52:02,289	- INFO - Iter 8140/10000, Loss: 0.4108
2025-03-18	12:52:02,690	- INFO - Iter 8150/10000, Loss: 0.4107
2025-03-18	12:52:03,100	- INFO - Iter 8160/10000, Loss: 0.4106
2025-03-18	12:52:03,501	- INFO - Iter 8170/10000, Loss: 0.4105
2025-03-18	12:52:03,903	- INFO - Iter 8180/10000, Loss: 0.4104
2025-03-18	12:52:04,316	- INFO - Iter 8190/10000, Loss: 0.4103
2025-03-18	12:52:04,707	- INFO - Iter 8200/10000, Loss: 0.4102
2025-03-18	12:52:05,104	- INFO - Iter 8210/10000, Loss: 0.4100
2025-03-18	12:52:05,495	- INFO - Iter 8220/10000, Loss: 0.4099
2025-03-18	12:52:05,884	- INFO - Iter 8230/10000, Loss: 0.4098
2025-03-18	12:52:06,275	- INFO - Iter 8240/10000, Loss: 0.4097
2025-03-18	12:52:06,668	- INFO - Iter 8250/10000, Loss: 0.4096
2025-03-18	12:52:07,061	- INFO - Iter 8260/10000, Loss: 0.4095
2025-03-18	12:52:07,463	- INFO - Iter 8270/10000, Loss: 0.4094
2025-03-18	12:52:07,863	- INFO - Iter 8280/10000, Loss: 0.4093
2025-03-18	12:52:08,260	- INFO - Iter 8290/10000, Loss: 0.4092
2025-03-18	12:52:08,668	- INFO - Iter 8300/10000, Loss: 0.4091
2025-03-18	12:52:09,071	- INFO - Iter 8310/10000, Loss: 0.4090
2025-03-18	12:52:09,473	- INFO - Iter 8320/10000, Loss: 0.4089
2025-03-18	12:52:09,873	- INFO - Iter 8330/10000, Loss: 0.4088
2025-03-18	12:52:10,274	- INFO - Iter 8340/10000, Loss: 0.4086
2025-03-18	12:52:10,677	- INFO - Iter 8350/10000, Loss: 0.4085
2025-03-18	12:52:11,073	- INFO - Iter 8360/10000, Loss: 0.4084
2025-03-18	12:52:11,484	- INFO - Iter 8370/10000, Loss: 0.4083
2025-03-18	12:52:11,892	- INFO - Iter 8380/10000, Loss: 0.4082

2025-03-18	12:52:12,380	- INFO - Iter 8390/10000, Loss: 0.4081
2025-03-18	12:52:12,690	- INFO - Iter 8400/10000, Loss: 0.4080
2025-03-18	12:52:13,081	- INFO - Iter 8410/10000, Loss: 0.4079
2025-03-18	12:52:13,467	- INFO - Iter 8420/10000, Loss: 0.4078
2025-03-18	12:52:13,858	- INFO - Iter 8430/10000, Loss: 0.4077
2025-03-18	12:52:14,247	- INFO - Iter 8440/10000, Loss: 0.4076
2025-03-18	12:52:14,639	- INFO - Iter 8450/10000, Loss: 0.4075
2025-03-18	12:52:15,031	- INFO - Iter 8460/10000, Loss: 0.4074
2025-03-18	12:52:15,421	- INFO - Iter 8470/10000, Loss: 0.4073
2025-03-18	12:52:15,813	- INFO - Iter 8480/10000, Loss: 0.4072
2025-03-18	12:52:16,204	- INFO - Iter 8490/10000, Loss: 0.4071
2025-03-18	12:52:16,632	- INFO - Iter 8500/10000, Loss: 0.4070
2025-03-18	12:52:17,031	- INFO - Iter 8510/10000, Loss: 0.4069
2025-03-18	12:52:17,426	- INFO - Iter 8520/10000, Loss: 0.4068
2025-03-18	12:52:17,819	- INFO - Iter 8530/10000, Loss: 0.4067
2025-03-18	12:52:18,207	- INFO - Iter 8540/10000, Loss: 0.4066
2025-03-18	12:52:18,598	- INFO - Iter 8550/10000, Loss: 0.4065
2025-03-18	12:52:18,985	- INFO - Iter 8560/10000, Loss: 0.4064
2025-03-18	12:52:19,373	- INFO - Iter 8570/10000, Loss: 0.4063
2025-03-18	12:52:19,762	- INFO - Iter 8580/10000, Loss: 0.4062
2025-03-18	12:52:20,150	- INFO - Iter 8590/10000, Loss: 0.4061
2025-03-18	12:52:20,542	- INFO - Iter 8600/10000, Loss: 0.4060
2025-03-18	12:52:20,930	- INFO - Iter 8610/10000, Loss: 0.4059
2025-03-18	12:52:21,319	- INFO - Iter 8620/10000, Loss: 0.4058
2025-03-18	12:52:21,709	- INFO - Iter 8630/10000, Loss: 0.4057
2025-03-18	12:52:22,097	- INFO - Iter 8640/10000, Loss: 0.4056
2025-03-18	12:52:22,499	- INFO - Iter 8650/10000, Loss: 0.4055
2025-03-18	12:52:22,888	- INFO - Iter 8660/10000, Loss: 0.4054
2025-03-18	12:52:23,281	- INFO - Iter 8670/10000, Loss: 0.4053
2025-03-18	12:52:23,670	- INFO - Iter 8680/10000, Loss: 0.4052
2025-03-18	12:52:24,065	- INFO - Iter 8690/10000, Loss: 0.4051
2025-03-18	12:52:24,467	- INFO - Iter 8700/10000, Loss: 0.4050
2025-03-18	12:52:24,868	- INFO - Iter 8710/10000, Loss: 0.4049
2025-03-18	12:52:25,257	- INFO - Iter 8720/10000, Loss: 0.4048
2025-03-18	12:52:25,648	- INFO - Iter 8730/10000, Loss: 0.4047
2025-03-18	12:52:26,037	- INFO - Iter 8740/10000, Loss: 0.4046
2025-03-18	12:52:26,432	- INFO - Iter 8750/10000, Loss: 0.4045
2025-03-18	12:52:26,829	- INFO - Iter 8760/10000, Loss: 0.4044
2025-03-18	12:52:27,227	- INFO - Iter 8770/10000, Loss: 0.4043
2025-03-18	12:52:27,618	- INFO - Iter 8780/10000, Loss: 0.4042
2025-03-18	12:52:28,012	- INFO - Iter 8790/10000, Loss: 0.4041
2025-03-18	12:52:28,424	- INFO - Iter 8800/10000, Loss: 0.4040
2025-03-18	12:52:28,819	- INFO - Iter 8810/10000, Loss: 0.4039
2025-03-18	12:52:29,213	- INFO - Iter 8820/10000, Loss: 0.4038
2025-03-18	12:52:29,602	- INFO - Iter 8830/10000, Loss: 0.4037
2025-03-18	12:52:30,001	- INFO - Iter 8840/10000, Loss: 0.4036
2025-03-18	12:52:30,400	- INFO - Iter 8850/10000, Loss: 0.4035
2025-03-18	12:52:30,800	- INFO - Iter 8860/10000, Loss: 0.4034
2025-03-18	12:52:31,205	- INFO - Iter 8870/10000, Loss: 0.4033
2025-03-18	12:52:31,600	- INFO - Iter 8880/10000, Loss: 0.4032
2025-03-18	12:52:31,997	- INFO - Iter 8890/10000, Loss: 0.4031
2025-03-18	12:52:32,399	- INFO - Iter 8900/10000, Loss: 0.4030
2025-03-18	12:52:32,838	- INFO - Iter 8910/10000, Loss: 0.4029
2025-03-18	12:52:33,262	- INFO - Iter 8920/10000, Loss: 0.4028
2025-03-18	12:52:33,663	- INFO - Iter 8930/10000, Loss: 0.4027
2025-03-18	12:52:34,054	- INFO - Iter 8940/10000, Loss: 0.4026
2025-03-18	12:52:34,468	- INFO - Iter 8950/10000, Loss: 0.4025
2025-03-18	12:52:34,870	- INFO - Iter 8960/10000, Loss: 0.4024
2025-03-18	12:52:35,268	- INFO - Iter 8970/10000, Loss: 0.4023
2025-03-18	12:52:35,663	- INFO - Iter 8980/10000, Loss: 0.4022
2025-03-18	12:52:36,051	- INFO - Iter 8990/10000, Loss: 0.4022
2025-03-18	12:52:36,446	- INFO - Iter 9000/10000, Loss: 0.4021
2025-03-18	12:52:36,866	- INFO - Iter 9010/10000, Loss: 0.4020
2025-03-18	12:52:37,310	- INFO - Iter 9020/10000, Loss: 0.4019
2025-03-18	12:52:37,737	- INFO - Iter 9030/10000, Loss: 0.4018
2025-03-18	12:52:38,165	- INFO - Iter 9040/10000, Loss: 0.4017
2025-03-18	12:52:38,588	- INFO - Iter 9050/10000, Loss: 0.4016
2025-03-18	12:52:38,990	- INFO - Iter 9060/10000, Loss: 0.4015
2025-03-18	12:52:39,384	- INFO - Iter 9070/10000, Loss: 0.4014
2025-03-18	12:52:39,785	- INFO - Iter 9080/10000, Loss: 0.4013
2025-03-18	12:52:40,183	- INFO - Iter 9090/10000, Loss: 0.4012
2025-03-18	12:52:40,574	- INFO - Iter 9100/10000, Loss: 0.4011

2025-03-18	12:52:40,965	- INFO - Iter 9110/10000, Loss: 0.4010
2025-03-18	12:52:41,367	- INFO - Iter 9120/10000, Loss: 0.4009
2025-03-18	12:52:41,757	- INFO - Iter 9130/10000, Loss: 0.4009
2025-03-18	12:52:42,151	- INFO - Iter 9140/10000, Loss: 0.4008
2025-03-18	12:52:42,539	- INFO - Iter 9150/10000, Loss: 0.4007
2025-03-18	12:52:42,933	- INFO - Iter 9160/10000, Loss: 0.4006
2025-03-18	12:52:43,344	- INFO - Iter 9170/10000, Loss: 0.4005
2025-03-18	12:52:43,732	- INFO - Iter 9180/10000, Loss: 0.4004
2025-03-18	12:52:44,121	- INFO - Iter 9190/10000, Loss: 0.4003
2025-03-18	12:52:44,516	- INFO - Iter 9200/10000, Loss: 0.4002
2025-03-18	12:52:44,928	- INFO - Iter 9210/10000, Loss: 0.4001
2025-03-18	12:52:45,314	- INFO - Iter 9220/10000, Loss: 0.4000
2025-03-18	12:52:45,709	- INFO - Iter 9230/10000, Loss: 0.3999
2025-03-18	12:52:46,098	- INFO - Iter 9240/10000, Loss: 0.3999
2025-03-18	12:52:46,494	- INFO - Iter 9250/10000, Loss: 0.3998
2025-03-18	12:52:46,901	- INFO - Iter 9260/10000, Loss: 0.3997
2025-03-18	12:52:47,292	- INFO - Iter 9270/10000, Loss: 0.3996
2025-03-18	12:52:47,696	- INFO - Iter 9280/10000, Loss: 0.3995
2025-03-18	12:52:48,097	- INFO - Iter 9290/10000, Loss: 0.3994
2025-03-18	12:52:48,529	- INFO - Iter 9300/10000, Loss: 0.3993
2025-03-18	12:52:48,962	- INFO - Iter 9310/10000, Loss: 0.3992
2025-03-18	12:52:49,460	- INFO - Iter 9320/10000, Loss: 0.3991
2025-03-18	12:52:49,951	- INFO - Iter 9330/10000, Loss: 0.3990
2025-03-18	12:52:50,420	- INFO - Iter 9340/10000, Loss: 0.3990
2025-03-18	12:52:50,867	- INFO - Iter 9350/10000, Loss: 0.3989
2025-03-18	12:52:51,300	- INFO - Iter 9360/10000, Loss: 0.3988
2025-03-18	12:52:51,704	- INFO - Iter 9370/10000, Loss: 0.3987
2025-03-18	12:52:52,128	- INFO - Iter 9380/10000, Loss: 0.3986
2025-03-18	12:52:52,555	- INFO - Iter 9390/10000, Loss: 0.3985
2025-03-18	12:52:52,962	- INFO - Iter 9400/10000, Loss: 0.3984
2025-03-18	12:52:53,360	- INFO - Iter 9410/10000, Loss: 0.3983
2025-03-18	12:52:53,763	- INFO - Iter 9420/10000, Loss: 0.3982
2025-03-18	12:52:54,182	- INFO - Iter 9430/10000, Loss: 0.3982
2025-03-18	12:52:54,583	- INFO - Iter 9440/10000, Loss: 0.3981
2025-03-18	12:52:54,981	- INFO - Iter 9450/10000, Loss: 0.3980
2025-03-18	12:52:55,375	- INFO - Iter 9460/10000, Loss: 0.3979
2025-03-18	12:52:55,774	- INFO - Iter 9470/10000, Loss: 0.3978
2025-03-18	12:52:56,161	- INFO - Iter 9480/10000, Loss: 0.3977
2025-03-18	12:52:56,553	- INFO - Iter 9490/10000, Loss: 0.3976
2025-03-18	12:52:56,943	- INFO - Iter 9500/10000, Loss: 0.3976
2025-03-18	12:52:57,338	- INFO - Iter 9510/10000, Loss: 0.3975
2025-03-18	12:52:57,747	- INFO - Iter 9520/10000, Loss: 0.3974
2025-03-18	12:52:58,143	- INFO - Iter 9530/10000, Loss: 0.3973
2025-03-18	12:52:58,538	- INFO - Iter 9540/10000, Loss: 0.3972
2025-03-18	12:52:58,928	- INFO - Iter 9550/10000, Loss: 0.3971
2025-03-18	12:52:59,316	- INFO - Iter 9560/10000, Loss: 0.3970
2025-03-18	12:52:59,704	- INFO - Iter 9570/10000, Loss: 0.3970
2025-03-18	12:53:00,098	- INFO - Iter 9580/10000, Loss: 0.3969
2025-03-18	12:53:00,489	- INFO - Iter 9590/10000, Loss: 0.3968
2025-03-18	12:53:00,877	- INFO - Iter 9600/10000, Loss: 0.3967
2025-03-18	12:53:01,275	- INFO - Iter 9610/10000, Loss: 0.3966
2025-03-18	12:53:01,661	- INFO - Iter 9620/10000, Loss: 0.3965
2025-03-18	12:53:02,051	- INFO - Iter 9630/10000, Loss: 0.3964
2025-03-18	12:53:02,438	- INFO - Iter 9640/10000, Loss: 0.3964
2025-03-18	12:53:02,827	- INFO - Iter 9650/10000, Loss: 0.3963
2025-03-18	12:53:03,211	- INFO - Iter 9660/10000, Loss: 0.3962
2025-03-18	12:53:03,602	- INFO - Iter 9670/10000, Loss: 0.3961
2025-03-18	12:53:03,992	- INFO - Iter 9680/10000, Loss: 0.3960
2025-03-18	12:53:04,381	- INFO - Iter 9690/10000, Loss: 0.3959
2025-03-18	12:53:04,773	- INFO - Iter 9700/10000, Loss: 0.3959
2025-03-18	12:53:05,171	- INFO - Iter 9710/10000, Loss: 0.3958
2025-03-18	12:53:05,556	- INFO - Iter 9720/10000, Loss: 0.3957
2025-03-18	12:53:05,945	- INFO - Iter 9730/10000, Loss: 0.3956
2025-03-18	12:53:06,332	- INFO - Iter 9740/10000, Loss: 0.3955
2025-03-18	12:53:06,720	- INFO - Iter 9750/10000, Loss: 0.3954
2025-03-18	12:53:07,108	- INFO - Iter 9760/10000, Loss: 0.3954
2025-03-18	12:53:07,498	- INFO - Iter 9770/10000, Loss: 0.3953
2025-03-18	12:53:07,898	- INFO - Iter 9780/10000, Loss: 0.3952
2025-03-18	12:53:08,289	- INFO - Iter 9790/10000, Loss: 0.3951
2025-03-18	12:53:08,684	- INFO - Iter 9800/10000, Loss: 0.3950
2025-03-18	12:53:09,074	- INFO - Iter 9810/10000, Loss: 0.3949
2025-03-18	12:53:09,467	- INFO - Iter 9820/10000, Loss: 0.3949



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2025-03-18 12:53:09,854 - INFO - Iter 9830/10000, Loss: 0.3948
2025-03-18 12:53:10,238 - INFO - Iter 9840/10000, Loss: 0.3947
2025-03-18 12:53:10,628 - INFO - Iter 9850/10000, Loss: 0.3946
2025-03-18 12:53:11,015 - INFO - Iter 9860/10000, Loss: 0.3945
2025-03-18 12:53:11,402 - INFO - Iter 9870/10000, Loss: 0.3944
2025-03-18 12:53:11,796 - INFO - Iter 9880/10000, Loss: 0.3944
2025-03-18 12:53:12,182 - INFO - Iter 9890/10000, Loss: 0.3943
2025-03-18 12:53:12,571 - INFO - Iter 9900/10000, Loss: 0.3942
2025-03-18 12:53:12,961 - INFO - Iter 9910/10000, Loss: 0.3941
2025-03-18 12:53:13,352 - INFO - Iter 9920/10000, Loss: 0.3940
2025-03-18 12:53:13,741 - INFO - Iter 9930/10000, Loss: 0.3940
2025-03-18 12:53:14,129 - INFO - Iter 9940/10000, Loss: 0.3939
2025-03-18 12:53:14,516 - INFO - Iter 9950/10000, Loss: 0.3938
2025-03-18 12:53:14,907 - INFO - Iter 9960/10000, Loss: 0.3937
2025-03-18 12:53:15,302 - INFO - Iter 9970/10000, Loss: 0.3936
2025-03-18 12:53:15,696 - INFO - Iter 9980/10000, Loss: 0.3936
2025-03-18 12:53:16,086 - INFO - Iter 9990/10000, Loss: 0.3935
2025-03-18 12:53:16,476 - INFO - Iter 10000/10000, Loss: 0.3934
2025-03-18 12:53:16,476 - INFO - SoftmaxRegression training completed in 395.01 seconds.
2025-03-18 12:53:16,477 - INFO - --- Linear Regression LR=0.005/Iter=10000 ---
2025-03-18 12:53:16,779 - INFO - Iter 10/10000, Train Loss: 0.0413
2025-03-18 12:53:17,081 - INFO - Iter 20/10000, Train Loss: 0.0378
2025-03-18 12:53:17,383 - INFO - Iter 30/10000, Train Loss: 0.0352
2025-03-18 12:53:17,683 - INFO - Iter 40/10000, Train Loss: 0.0332
2025-03-18 12:53:17,987 - INFO - Iter 50/10000, Train Loss: 0.0317
2025-03-18 12:53:18,286 - INFO - Iter 60/10000, Train Loss: 0.0305
2025-03-18 12:53:18,586 - INFO - Iter 70/10000, Train Loss: 0.0295
2025-03-18 12:53:18,882 - INFO - Iter 80/10000, Train Loss: 0.0287
2025-03-18 12:53:19,179 - INFO - Iter 90/10000, Train Loss: 0.0280
2025-03-18 12:53:19,494 - INFO - Iter 100/10000, Train Loss: 0.0274
2025-03-18 12:53:19,802 - INFO - Iter 110/10000, Train Loss: 0.0269
2025-03-18 12:53:20,105 - INFO - Iter 120/10000, Train Loss: 0.0265
2025-03-18 12:53:20,403 - INFO - Iter 130/10000, Train Loss: 0.0262
2025-03-18 12:53:20,699 - INFO - Iter 140/10000, Train Loss: 0.0258
2025-03-18 12:53:20,999 - INFO - Iter 150/10000, Train Loss: 0.0256
2025-03-18 12:53:21,298 - INFO - Iter 160/10000, Train Loss: 0.0253
2025-03-18 12:53:21,598 - INFO - Iter 170/10000, Train Loss: 0.0251
2025-03-18 12:53:21,895 - INFO - Iter 180/10000, Train Loss: 0.0249
2025-03-18 12:53:22,194 - INFO - Iter 190/10000, Train Loss: 0.0247
2025-03-18 12:53:22,492 - INFO - Iter 200/10000, Train Loss: 0.0245
2025-03-18 12:53:22,792 - INFO - Iter 210/10000, Train Loss: 0.0243
2025-03-18 12:53:23,094 - INFO - Iter 220/10000, Train Loss: 0.0242
2025-03-18 12:53:23,395 - INFO - Iter 230/10000, Train Loss: 0.0241
2025-03-18 12:53:23,699 - INFO - Iter 240/10000, Train Loss: 0.0239
2025-03-18 12:53:23,999 - INFO - Iter 250/10000, Train Loss: 0.0238
2025-03-18 12:53:24,297 - INFO - Iter 260/10000, Train Loss: 0.0237
2025-03-18 12:53:24,596 - INFO - Iter 270/10000, Train Loss: 0.0236
2025-03-18 12:53:24,896 - INFO - Iter 280/10000, Train Loss: 0.0235
2025-03-18 12:53:25,203 - INFO - Iter 290/10000, Train Loss: 0.0234
2025-03-18 12:53:25,527 - INFO - Iter 300/10000, Train Loss: 0.0233
2025-03-18 12:53:25,839 - INFO - Iter 310/10000, Train Loss: 0.0232
2025-03-18 12:53:26,148 - INFO - Iter 320/10000, Train Loss: 0.0232
2025-03-18 12:53:26,451 - INFO - Iter 330/10000, Train Loss: 0.0231
2025-03-18 12:53:26,755 - INFO - Iter 340/10000, Train Loss: 0.0230
2025-03-18 12:53:27,055 - INFO - Iter 350/10000, Train Loss: 0.0229
2025-03-18 12:53:27,353 - INFO - Iter 360/10000, Train Loss: 0.0229
2025-03-18 12:53:27,654 - INFO - Iter 370/10000, Train Loss: 0.0228
2025-03-18 12:53:27,959 - INFO - Iter 380/10000, Train Loss: 0.0228
2025-03-18 12:53:28,260 - INFO - Iter 390/10000, Train Loss: 0.0227
2025-03-18 12:53:28,563 - INFO - Iter 400/10000, Train Loss: 0.0227
2025-03-18 12:53:28,868 - INFO - Iter 410/10000, Train Loss: 0.0226
2025-03-18 12:53:29,166 - INFO - Iter 420/10000, Train Loss: 0.0226
2025-03-18 12:53:29,466 - INFO - Iter 430/10000, Train Loss: 0.0225
2025-03-18 12:53:29,777 - INFO - Iter 440/10000, Train Loss: 0.0225
2025-03-18 12:53:30,077 - INFO - Iter 450/10000, Train Loss: 0.0224
2025-03-18 12:53:30,381 - INFO - Iter 460/10000, Train Loss: 0.0224
2025-03-18 12:53:30,680 - INFO - Iter 470/10000, Train Loss: 0.0223
2025-03-18 12:53:30,983 - INFO - Iter 480/10000, Train Loss: 0.0223
2025-03-18 12:53:31,288 - INFO - Iter 490/10000, Train Loss: 0.0223
2025-03-18 12:53:31,584 - INFO - Iter 500/10000, Train Loss: 0.0222
2025-03-18 12:53:31,882 - INFO - Iter 510/10000, Train Loss: 0.0222
2025-03-18 12:53:32,182 - INFO - Iter 520/10000, Train Loss: 0.0222
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2025-03-18	12:53:32,486	- INFO	- Iter	530/10000,	Train Loss: 0.0221
2025-03-18	12:53:32,787	- INFO	- Iter	540/10000,	Train Loss: 0.0221
2025-03-18	12:53:33,084	- INFO	- Iter	550/10000,	Train Loss: 0.0221
2025-03-18	12:53:33,385	- INFO	- Iter	560/10000,	Train Loss: 0.0220
2025-03-18	12:53:33,683	- INFO	- Iter	570/10000,	Train Loss: 0.0220
2025-03-18	12:53:33,985	- INFO	- Iter	580/10000,	Train Loss: 0.0220
2025-03-18	12:53:34,287	- INFO	- Iter	590/10000,	Train Loss: 0.0219
2025-03-18	12:53:34,584	- INFO	- Iter	600/10000,	Train Loss: 0.0219
2025-03-18	12:53:34,891	- INFO	- Iter	610/10000,	Train Loss: 0.0219
2025-03-18	12:53:35,203	- INFO	- Iter	620/10000,	Train Loss: 0.0219
2025-03-18	12:53:35,503	- INFO	- Iter	630/10000,	Train Loss: 0.0218
2025-03-18	12:53:35,822	- INFO	- Iter	640/10000,	Train Loss: 0.0218
2025-03-18	12:53:36,122	- INFO	- Iter	650/10000,	Train Loss: 0.0218
2025-03-18	12:53:36,420	- INFO	- Iter	660/10000,	Train Loss: 0.0218
2025-03-18	12:53:36,718	- INFO	- Iter	670/10000,	Train Loss: 0.0217
2025-03-18	12:53:37,014	- INFO	- Iter	680/10000,	Train Loss: 0.0217
2025-03-18	12:53:37,321	- INFO	- Iter	690/10000,	Train Loss: 0.0217
2025-03-18	12:53:37,645	- INFO	- Iter	700/10000,	Train Loss: 0.0217
2025-03-18	12:53:37,951	- INFO	- Iter	710/10000,	Train Loss: 0.0217
2025-03-18	12:53:38,251	- INFO	- Iter	720/10000,	Train Loss: 0.0216
2025-03-18	12:53:38,549	- INFO	- Iter	730/10000,	Train Loss: 0.0216
2025-03-18	12:53:38,849	- INFO	- Iter	740/10000,	Train Loss: 0.0216
2025-03-18	12:53:39,148	- INFO	- Iter	750/10000,	Train Loss: 0.0216
2025-03-18	12:53:39,450	- INFO	- Iter	760/10000,	Train Loss: 0.0216
2025-03-18	12:53:39,746	- INFO	- Iter	770/10000,	Train Loss: 0.0215
2025-03-18	12:53:40,043	- INFO	- Iter	780/10000,	Train Loss: 0.0215
2025-03-18	12:53:40,339	- INFO	- Iter	790/10000,	Train Loss: 0.0215
2025-03-18	12:53:40,634	- INFO	- Iter	800/10000,	Train Loss: 0.0215
2025-03-18	12:53:40,935	- INFO	- Iter	810/10000,	Train Loss: 0.0215
2025-03-18	12:53:41,231	- INFO	- Iter	820/10000,	Train Loss: 0.0215
2025-03-18	12:53:41,533	- INFO	- Iter	830/10000,	Train Loss: 0.0214
2025-03-18	12:53:41,831	- INFO	- Iter	840/10000,	Train Loss: 0.0214
2025-03-18	12:53:42,129	- INFO	- Iter	850/10000,	Train Loss: 0.0214
2025-03-18	12:53:42,430	- INFO	- Iter	860/10000,	Train Loss: 0.0214
2025-03-18	12:53:42,729	- INFO	- Iter	870/10000,	Train Loss: 0.0214
2025-03-18	12:53:43,024	- INFO	- Iter	880/10000,	Train Loss: 0.0214
2025-03-18	12:53:43,326	- INFO	- Iter	890/10000,	Train Loss: 0.0214
2025-03-18	12:53:43,620	- INFO	- Iter	900/10000,	Train Loss: 0.0213
2025-03-18	12:53:43,920	- INFO	- Iter	910/10000,	Train Loss: 0.0213
2025-03-18	12:53:44,218	- INFO	- Iter	920/10000,	Train Loss: 0.0213
2025-03-18	12:53:44,517	- INFO	- Iter	930/10000,	Train Loss: 0.0213
2025-03-18	12:53:44,815	- INFO	- Iter	940/10000,	Train Loss: 0.0213
2025-03-18	12:53:45,112	- INFO	- Iter	950/10000,	Train Loss: 0.0213
2025-03-18	12:53:45,416	- INFO	- Iter	960/10000,	Train Loss: 0.0213
2025-03-18	12:53:45,716	- INFO	- Iter	970/10000,	Train Loss: 0.0212
2025-03-18	12:53:46,031	- INFO	- Iter	980/10000,	Train Loss: 0.0212
2025-03-18	12:53:46,331	- INFO	- Iter	990/10000,	Train Loss: 0.0212
2025-03-18	12:53:46,630	- INFO	- Iter	1000/10000,	Train Loss: 0.0212
2025-03-18	12:53:46,930	- INFO	- Iter	1010/10000,	Train Loss: 0.0212
2025-03-18	12:53:47,229	- INFO	- Iter	1020/10000,	Train Loss: 0.0212
2025-03-18	12:53:47,529	- INFO	- Iter	1030/10000,	Train Loss: 0.0212
2025-03-18	12:53:47,829	- INFO	- Iter	1040/10000,	Train Loss: 0.0212
2025-03-18	12:53:48,133	- INFO	- Iter	1050/10000,	Train Loss: 0.0211
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2025-03-18	12:53:54,164	-	INFO	-	Iter	1250/10000,	Train	Loss:	0.0209
2025-03-18	12:53:54,463	-	INFO	-	Iter	1260/10000,	Train	Loss:	0.0209
2025-03-18	12:53:54,764	-	INFO	-	Iter	1270/10000,	Train	Loss:	0.0209
2025-03-18	12:53:55,065	-	INFO	-	Iter	1280/10000,	Train	Loss:	0.0209
2025-03-18	12:53:55,362	-	INFO	-	Iter	1290/10000,	Train	Loss:	0.0209
2025-03-18	12:53:55,658	-	INFO	-	Iter	1300/10000,	Train	Loss:	0.0209
2025-03-18	12:53:55,953	-	INFO	-	Iter	1310/10000,	Train	Loss:	0.0209
2025-03-18	12:53:56,274	-	INFO	-	Iter	1320/10000,	Train	Loss:	0.0209
2025-03-18	12:53:56,575	-	INFO	-	Iter	1330/10000,	Train	Loss:	0.0209
2025-03-18	12:53:56,874	-	INFO	-	Iter	1340/10000,	Train	Loss:	0.0209
2025-03-18	12:53:57,174	-	INFO	-	Iter	1350/10000,	Train	Loss:	0.0209
2025-03-18	12:53:57,470	-	INFO	-	Iter	1360/10000,	Train	Loss:	0.0209
2025-03-18	12:53:57,769	-	INFO	-	Iter	1370/10000,	Train	Loss:	0.0209
2025-03-18	12:53:58,079	-	INFO	-	Iter	1380/10000,	Train	Loss:	0.0208
2025-03-18	12:53:58,378	-	INFO	-	Iter	1390/10000,	Train	Loss:	0.0208
2025-03-18	12:53:58,683	-	INFO	-	Iter	1400/10000,	Train	Loss:	0.0208
2025-03-18	12:53:58,989	-	INFO	-	Iter	1410/10000,	Train	Loss:	0.0208
2025-03-18	12:53:59,290	-	INFO	-	Iter	1420/10000,	Train	Loss:	0.0208
2025-03-18	12:53:59,586	-	INFO	-	Iter	1430/10000,	Train	Loss:	0.0208
2025-03-18	12:53:59,886	-	INFO	-	Iter	1440/10000,	Train	Loss:	0.0208
2025-03-18	12:54:00,188	-	INFO	-	Iter	1450/10000,	Train	Loss:	0.0208
2025-03-18	12:54:00,491	-	INFO	-	Iter	1460/10000,	Train	Loss:	0.0208
2025-03-18	12:54:00,789	-	INFO	-	Iter	1470/10000,	Train	Loss:	0.0208
2025-03-18	12:54:01,086	-	INFO	-	Iter	1480/10000,	Train	Loss:	0.0208
2025-03-18	12:54:01,383	-	INFO	-	Iter	1490/10000,	Train	Loss:	0.0208
2025-03-18	12:54:01,680	-	INFO	-	Iter	1500/10000,	Train	Loss:	0.0208
2025-03-18	12:54:01,978	-	INFO	-	Iter	1510/10000,	Train	Loss:	0.0208
2025-03-18	12:54:02,277	-	INFO	-	Iter	1520/10000,	Train	Loss:	0.0207
2025-03-18	12:54:02,577	-	INFO	-	Iter	1530/10000,	Train	Loss:	0.0207
2025-03-18	12:54:02,877	-	INFO	-	Iter	1540/10000,	Train	Loss:	0.0207
2025-03-18	12:54:03,176	-	INFO	-	Iter	1550/10000,	Train	Loss:	0.0207
2025-03-18	12:54:03,478	-	INFO	-	Iter	1560/10000,	Train	Loss:	0.0207
2025-03-18	12:54:03,777	-	INFO	-	Iter	1570/10000,	Train	Loss:	0.0207
2025-03-18	12:54:04,076	-	INFO	-	Iter	1580/10000,	Train	Loss:	0.0207
2025-03-18	12:54:04,376	-	INFO	-	Iter	1590/10000,	Train	Loss:	0.0207
2025-03-18	12:54:04,675	-	INFO	-	Iter	1600/10000,	Train	Loss:	0.0207
2025-03-18	12:54:04,976	-	INFO	-	Iter	1610/10000,	Train	Loss:	0.0207
2025-03-18	12:54:05,274	-	INFO	-	Iter	1620/10000,	Train	Loss:	0.0207
2025-03-18	12:54:05,577	-	INFO	-	Iter	1630/10000,	Train	Loss:	0.0207
2025-03-18	12:54:05,893	-	INFO	-	Iter	1640/10000,	Train	Loss:	0.0207
2025-03-18	12:54:06,195	-	INFO	-	Iter	1650/10000,	Train	Loss:	0.0207
2025-03-18	12:54:06,526	-	INFO	-	Iter	1660/10000,	Train	Loss:	0.0207
2025-03-18	12:54:06,827	-	INFO	-	Iter	1670			

2025-03-18	12:54:15,874	-	INFO	-	Iter	1970/10000,	Train	Loss:	0.0205
2025-03-18	12:54:16,170	-	INFO	-	Iter	1980/10000,	Train	Loss:	0.0205
2025-03-18	12:54:16,474	-	INFO	-	Iter	1990/10000,	Train	Loss:	0.0205
2025-03-18	12:54:16,787	-	INFO	-	Iter	2000/10000,	Train	Loss:	0.0205
2025-03-18	12:54:17,089	-	INFO	-	Iter	2010/10000,	Train	Loss:	0.0205
2025-03-18	12:54:17,392	-	INFO	-	Iter	2020/10000,	Train	Loss:	0.0205
2025-03-18	12:54:17,695	-	INFO	-	Iter	2030/10000,	Train	Loss:	0.0205
2025-03-18	12:54:18,004	-	INFO	-	Iter	2040/10000,	Train	Loss:	0.0205
2025-03-18	12:54:18,310	-	INFO	-	Iter	2050/10000,	Train	Loss:	0.0205
2025-03-18	12:54:18,616	-	INFO	-	Iter	2060/10000,	Train	Loss:	0.0205
2025-03-18	12:54:18,916	-	INFO	-	Iter	2070/10000,	Train	Loss:	0.0205
2025-03-18	12:54:19,214	-	INFO	-	Iter	2080/10000,	Train	Loss:	0.0204
2025-03-18	12:54:19,517	-	INFO	-	Iter	2090/10000,	Train	Loss:	0.0204
2025-03-18	12:54:19,817	-	INFO	-	Iter	2100/10000,	Train	Loss:	0.0204
2025-03-18	12:54:20,119	-	INFO	-	Iter	2110/10000,	Train	Loss:	0.0204
2025-03-18	12:54:20,427	-	INFO	-	Iter	2120/10000,	Train	Loss:	0.0204
2025-03-18	12:54:20,725	-	INFO	-	Iter	2130/10000,	Train	Loss:	0.0204
2025-03-18	12:54:21,024	-	INFO	-	Iter	2140/10000,	Train	Loss:	0.0204
2025-03-18	12:54:21,325	-	INFO	-	Iter	2150/10000,	Train	Loss:	0.0204
2025-03-18	12:54:21,637	-	INFO	-	Iter	2160/10000,	Train	Loss:	0.0204
2025-03-18	12:54:21,935	-	INFO	-	Iter	2170/10000,	Train	Loss:	0.0204
2025-03-18	12:54:22,232	-	INFO	-	Iter	2180/10000,	Train	Loss:	0.0204
2025-03-18	12:54:22,532	-	INFO	-	Iter	2190/10000,	Train	Loss:	0.0204
2025-03-18	12:54:22,831	-	INFO	-	Iter	2200/10000,	Train	Loss:	0.0204
2025-03-18	12:54:23,130	-	INFO	-	Iter	2210/10000,	Train	Loss:	0.0204
2025-03-18	12:54:23,435	-	INFO	-	Iter	2220/10000,	Train	Loss:	0.0204
2025-03-18	12:54:23,733	-	INFO	-	Iter	2230/10000,	Train	Loss:	0.0204
2025-03-18	12:54:24,032	-	INFO	-	Iter	2240/10000,	Train	Loss:	0.0204
2025-03-18	12:54:24,331	-	INFO	-	Iter	2250/10000,	Train	Loss:	0.0204
2025-03-18	12:54:24,627	-	INFO	-	Iter	2260/10000,	Train	Loss:	0.0204
2025-03-18	12:54:24,926	-	INFO	-	Iter	2270/10000,	Train	Loss:	0.0204
2025-03-18	12:54:25,226	-	INFO	-	Iter	2280/10000,	Train	Loss:	0.0204
2025-03-18	12:54:25,525	-	INFO	-	Iter	2290/10000,	Train	Loss:	0.0204
2025-03-18	12:54:25,823	-	INFO	-	Iter	2300/10000,	Train	Loss:	0.0204
2025-03-18	12:54:26,122	-	INFO	-	Iter	2310/10000,	Train	Loss:	0.0204
2025-03-18	12:54:26,426	-	INFO	-	Iter	2320/10000,	Train	Loss:	0.0204
2025-03-18	12:54:26,726	-	INFO	-	Iter	2330/10000,	Train	Loss:	0.0203
2025-03-18	12:54:27,040	-	INFO	-	Iter	2340/10000,	Train	Loss:	0.0203
2025-03-18	12:54:27,341	-	INFO	-	Iter	2350/10000,	Train	Loss:	0.0203
2025-03-18	12:54:27,641	-	INFO	-	Iter	2360/10000,	Train	Loss:	0.0203
2025-03-18	12:54:27,945	-	INFO	-	Iter	2370/10000,	Train	Loss:	0.0203
2025-03-18	12:54:28,244	-	INFO	-	Iter	2380/10000,	Train	Loss:	0.0203
2025-03-18	12:54:28,548	-	INFO	-	Iter	2390			



2025-03-18	12:54:37,588	-	INFO	-	Iter	2690/10000,	Train Loss:	0.0202
2025-03-18	12:54:37,892	-	INFO	-	Iter	2700/10000,	Train Loss:	0.0202
2025-03-18	12:54:38,197	-	INFO	-	Iter	2710/10000,	Train Loss:	0.0202
2025-03-18	12:54:38,498	-	INFO	-	Iter	2720/10000,	Train Loss:	0.0202
2025-03-18	12:54:38,796	-	INFO	-	Iter	2730/10000,	Train Loss:	0.0202
2025-03-18	12:54:39,096	-	INFO	-	Iter	2740/10000,	Train Loss:	0.0202
2025-03-18	12:54:39,398	-	INFO	-	Iter	2750/10000,	Train Loss:	0.0202
2025-03-18	12:54:39,698	-	INFO	-	Iter	2760/10000,	Train Loss:	0.0202
2025-03-18	12:54:39,998	-	INFO	-	Iter	2770/10000,	Train Loss:	0.0202
2025-03-18	12:54:40,303	-	INFO	-	Iter	2780/10000,	Train Loss:	0.0202
2025-03-18	12:54:40,601	-	INFO	-	Iter	2790/10000,	Train Loss:	0.0202
2025-03-18	12:54:40,904	-	INFO	-	Iter	2800/10000,	Train Loss:	0.0202
2025-03-18	12:54:41,206	-	INFO	-	Iter	2810/10000,	Train Loss:	0.0202
2025-03-18	12:54:41,506	-	INFO	-	Iter	2820/10000,	Train Loss:	0.0202
2025-03-18	12:54:41,802	-	INFO	-	Iter	2830/10000,	Train Loss:	0.0202
2025-03-18	12:54:42,100	-	INFO	-	Iter	2840/10000,	Train Loss:	0.0202
2025-03-18	12:54:42,400	-	INFO	-	Iter	2850/10000,	Train Loss:	0.0202
2025-03-18	12:54:42,701	-	INFO	-	Iter	2860/10000,	Train Loss:	0.0202
2025-03-18	12:54:43,003	-	INFO	-	Iter	2870/10000,	Train Loss:	0.0202
2025-03-18	12:54:43,306	-	INFO	-	Iter	2880/10000,	Train Loss:	0.0202
2025-03-18	12:54:43,599	-	INFO	-	Iter	2890/10000,	Train Loss:	0.0202
2025-03-18	12:54:43,896	-	INFO	-	Iter	2900/10000,	Train Loss:	0.0202
2025-03-18	12:54:44,198	-	INFO	-	Iter	2910/10000,	Train Loss:	0.0202
2025-03-18	12:54:44,496	-	INFO	-	Iter	2920/10000,	Train Loss:	0.0202
2025-03-18	12:54:44,798	-	INFO	-	Iter	2930/10000,	Train Loss:	0.0202
2025-03-18	12:54:45,102	-	INFO	-	Iter	2940/10000,	Train Loss:	0.0202
2025-03-18	12:54:45,410	-	INFO	-	Iter	2950/10000,	Train Loss:	0.0202
2025-03-18	12:54:45,709	-	INFO	-	Iter	2960/10000,	Train Loss:	0.0202
2025-03-18	12:54:46,008	-	INFO	-	Iter	2970/10000,	Train Loss:	0.0202
2025-03-18	12:54:46,312	-	INFO	-	Iter	2980/10000,	Train Loss:	0.0201
2025-03-18	12:54:46,613	-	INFO	-	Iter	2990/10000,	Train Loss:	0.0201
2025-03-18	12:54:46,912	-	INFO	-	Iter	3000/10000,	Train Loss:	0.0201
2025-03-18	12:54:47,214	-	INFO	-	Iter	3010/10000,	Train Loss:	0.0201
2025-03-18	12:54:47,526	-	INFO	-	Iter	3020/10000,	Train Loss:	0.0201
2025-03-18	12:54:47,826	-	INFO	-	Iter	3030/10000,	Train Loss:	0.0201
2025-03-18	12:54:48,132	-	INFO	-	Iter	3040/10000,	Train Loss:	0.0201
2025-03-18	12:54:48,431	-	INFO	-	Iter	3050/10000,	Train Loss:	0.0201
2025-03-18	12:54:48,726	-	INFO	-	Iter	3060/10000,	Train Loss:	0.0201
2025-03-18	12:54:49,025	-	INFO	-	Iter	3070/10000,	Train Loss:	0.0201
2025-03-18	12:54:49,325	-	INFO	-	Iter	3080/10000,	Train Loss:	0.0201
2025-03-18	12:54:49,625	-	INFO	-	Iter	3090/10000,	Train Loss:	0.0201
2025-03-18	12:54:49,921	-	INFO	-	Iter	3100/10000,	Train Loss:	0.0201
2025-03-18	12:54:50,219	-	INFO	-	Iter	3110/10000,	Train Loss:	0.0201
2025-03-18	12:54:50,520	-	INFO	-	Iter	3120/10000,	Train Loss:	0.0201
2025-03-18	12:54:50,820	-	INFO	-	Iter	3130/10000,	Train Loss:	0.0201



2025-03-18	12:54:59,331	-	INFO	-	Iter	3410/10000,	Train Loss:	0.0201
2025-03-18	12:54:59,635	-	INFO	-	Iter	3420/10000,	Train Loss:	0.0200
2025-03-18	12:54:59,932	-	INFO	-	Iter	3430/10000,	Train Loss:	0.0200
2025-03-18	12:55:00,241	-	INFO	-	Iter	3440/10000,	Train Loss:	0.0200
2025-03-18	12:55:00,542	-	INFO	-	Iter	3450/10000,	Train Loss:	0.0200
2025-03-18	12:55:00,844	-	INFO	-	Iter	3460/10000,	Train Loss:	0.0200
2025-03-18	12:55:01,146	-	INFO	-	Iter	3470/10000,	Train Loss:	0.0200
2025-03-18	12:55:01,449	-	INFO	-	Iter	3480/10000,	Train Loss:	0.0200
2025-03-18	12:55:01,751	-	INFO	-	Iter	3490/10000,	Train Loss:	0.0200
2025-03-18	12:55:02,050	-	INFO	-	Iter	3500/10000,	Train Loss:	0.0200
2025-03-18	12:55:02,352	-	INFO	-	Iter	3510/10000,	Train Loss:	0.0200
2025-03-18	12:55:02,654	-	INFO	-	Iter	3520/10000,	Train Loss:	0.0200
2025-03-18	12:55:02,957	-	INFO	-	Iter	3530/10000,	Train Loss:	0.0200
2025-03-18	12:55:03,258	-	INFO	-	Iter	3540/10000,	Train Loss:	0.0200
2025-03-18	12:55:03,557	-	INFO	-	Iter	3550/10000,	Train Loss:	0.0200
2025-03-18	12:55:03,856	-	INFO	-	Iter	3560/10000,	Train Loss:	0.0200
2025-03-18	12:55:04,157	-	INFO	-	Iter	3570/10000,	Train Loss:	0.0200
2025-03-18	12:55:04,459	-	INFO	-	Iter	3580/10000,	Train Loss:	0.0200
2025-03-18	12:55:04,761	-	INFO	-	Iter	3590/10000,	Train Loss:	0.0200
2025-03-18	12:55:05,064	-	INFO	-	Iter	3600/10000,	Train Loss:	0.0200
2025-03-18	12:55:05,370	-	INFO	-	Iter	3610/10000,	Train Loss:	0.0200
2025-03-18	12:55:05,670	-	INFO	-	Iter	3620/10000,	Train Loss:	0.0200
2025-03-18	12:55:05,972	-	INFO	-	Iter	3630/10000,	Train Loss:	0.0200
2025-03-18	12:55:06,272	-	INFO	-	Iter	3640/10000,	Train Loss:	0.0200
2025-03-18	12:55:06,573	-	INFO	-	Iter	3650/10000,	Train Loss:	0.0200
2025-03-18	12:55:06,872	-	INFO	-	Iter	3660/10000,	Train Loss:	0.0200
2025-03-18	12:55:07,170	-	INFO	-	Iter	3670/10000,	Train Loss:	0.0200
2025-03-18	12:55:07,472	-	INFO	-	Iter	3680/10000,	Train Loss:	0.0200
2025-03-18	12:55:07,785	-	INFO	-	Iter	3690/10000,	Train Loss:	0.0200
2025-03-18	12:55:08,091	-	INFO	-	Iter	3700/10000,	Train Loss:	0.0200
2025-03-18	12:55:08,407	-	INFO	-	Iter	3710/10000,	Train Loss:	0.0200
2025-03-18	12:55:08,708	-	INFO	-	Iter	3720/10000,	Train Loss:	0.0200
2025-03-18	12:55:09,031	-	INFO	-	Iter	3730/10000,	Train Loss:	0.0200
2025-03-18	12:55:09,345	-	INFO	-	Iter	3740/10000,	Train Loss:	0.0200
2025-03-18	12:55:09,645	-	INFO	-	Iter	3750/10000,	Train Loss:	0.0200
2025-03-18	12:55:09,942	-	INFO	-	Iter	3760/10000,	Train Loss:	0.0200
2025-03-18	12:55:10,242	-	INFO	-	Iter	3770/10000,	Train Loss:	0.0200
2025-03-18	12:55:10,545	-	INFO	-	Iter	3780/10000,	Train Loss:	0.0200
2025-03-18	12:55:10,845	-	INFO	-	Iter	3790/10000,	Train Loss:	0.0200
2025-03-18	12:55:11,145	-	INFO	-	Iter	3800/10000,	Train Loss:	0.0200
2025-03-18	12:55:11,445	-	INFO	-	Iter	3810/10000,	Train Loss:	0.0200
2025-03-18	12:55:11,745	-	INFO	-	Iter	3820/10000,	Train Loss:	0.0200
2025-03-18	12:55:12,046	-	INFO	-	Iter	3830/10000,	Train Loss:	0.0200
2025-03-18	12:55:12,345	-	INFO	-	Iter	3840/10000,	Train Loss:	0.0200
2025-03-18	12:55:12,645	-	INFO	-	Iter	3850/10000,	Train Loss:	0.0200

2025-03-18	12:55:21,255	-	INFO	-	Iter	4130/10000,	Train Loss:	0.0199
2025-03-18	12:55:21,569	-	INFO	-	Iter	4140/10000,	Train Loss:	0.0199
2025-03-18	12:55:21,882	-	INFO	-	Iter	4150/10000,	Train Loss:	0.0199
2025-03-18	12:55:22,183	-	INFO	-	Iter	4160/10000,	Train Loss:	0.0199
2025-03-18	12:55:22,499	-	INFO	-	Iter	4170/10000,	Train Loss:	0.0199
2025-03-18	12:55:22,812	-	INFO	-	Iter	4180/10000,	Train Loss:	0.0199
2025-03-18	12:55:23,144	-	INFO	-	Iter	4190/10000,	Train Loss:	0.0199
2025-03-18	12:55:23,463	-	INFO	-	Iter	4200/10000,	Train Loss:	0.0199
2025-03-18	12:55:23,772	-	INFO	-	Iter	4210/10000,	Train Loss:	0.0199
2025-03-18	12:55:24,079	-	INFO	-	Iter	4220/10000,	Train Loss:	0.0199
2025-03-18	12:55:24,391	-	INFO	-	Iter	4230/10000,	Train Loss:	0.0199
2025-03-18	12:55:24,699	-	INFO	-	Iter	4240/10000,	Train Loss:	0.0199
2025-03-18	12:55:25,005	-	INFO	-	Iter	4250/10000,	Train Loss:	0.0199
2025-03-18	12:55:25,336	-	INFO	-	Iter	4260/10000,	Train Loss:	0.0199
2025-03-18	12:55:25,662	-	INFO	-	Iter	4270/10000,	Train Loss:	0.0199
2025-03-18	12:55:25,972	-	INFO	-	Iter	4280/10000,	Train Loss:	0.0199
2025-03-18	12:55:26,292	-	INFO	-	Iter	4290/10000,	Train Loss:	0.0199
2025-03-18	12:55:26,604	-	INFO	-	Iter	4300/10000,	Train Loss:	0.0199
2025-03-18	12:55:26,931	-	INFO	-	Iter	4310/10000,	Train Loss:	0.0199
2025-03-18	12:55:27,244	-	INFO	-	Iter	4320/10000,	Train Loss:	0.0199
2025-03-18	12:55:27,561	-	INFO	-	Iter	4330/10000,	Train Loss:	0.0199
2025-03-18	12:55:27,879	-	INFO	-	Iter	4340/10000,	Train Loss:	0.0199
2025-03-18	12:55:28,210	-	INFO	-	Iter	4350/10000,	Train Loss:	0.0199
2025-03-18	12:55:28,531	-	INFO	-	Iter	4360/10000,	Train Loss:	0.0199
2025-03-18	12:55:28,878	-	INFO	-	Iter	4370/10000,	Train Loss:	0.0199
2025-03-18	12:55:29,196	-	INFO	-	Iter	4380/10000,	Train Loss:	0.0199
2025-03-18	12:55:29,518	-	INFO	-	Iter	4390/10000,	Train Loss:	0.0199
2025-03-18	12:55:29,834	-	INFO	-	Iter	4400/10000,	Train Loss:	0.0199
2025-03-18	12:55:30,151	-	INFO	-	Iter	4410/10000,	Train Loss:	0.0199
2025-03-18	12:55:30,476	-	INFO	-	Iter	4420/10000,	Train Loss:	0.0199
2025-03-18	12:55:30,792	-	INFO	-	Iter	4430/10000,	Train Loss:	0.0199
2025-03-18	12:55:31,115	-	INFO	-	Iter	4440/10000,	Train Loss:	0.0199
2025-03-18	12:55:31,429	-	INFO	-	Iter	4450/10000,	Train Loss:	0.0199
2025-03-18	12:55:31,782	-	INFO	-	Iter	4460/10000,	Train Loss:	0.0199
2025-03-18	12:55:32,112	-	INFO	-	Iter	4470/10000,	Train Loss:	0.0199
2025-03-18	12:55:32,426	-	INFO	-	Iter	4480/10000,	Train Loss:	0.0199
2025-03-18	12:55:32,753	-	INFO	-	Iter	4490/10000,	Train Loss:	0.0199
2025-03-18	12:55:33,081	-	INFO	-	Iter	4500/10000,	Train Loss:	0.0199
2025-03-18	12:55:33,412	-	INFO	-	Iter	4510/10000,	Train Loss:	0.0199
2025-03-18	12:55:33,747	-	INFO	-	Iter	4520/10000,	Train Loss:	0.0199
2025-03-18	12:55:34,066	-	INFO	-	Iter	4530/10000,	Train Loss:	0.0199
2025-03-18	12:55:34,397	-	INFO	-	Iter	4540/10000,	Train Loss:	0.0199
2025-03-18	12:55:34,723	-	INFO	-	Iter	4550/10000,	Train Loss:	0.0199
2025-03-18	12:55:35,025	-	INFO	-	Iter	4560/10000,	Train Loss:	0.0199
2025-03-18	12:55:35,333	-	INFO	-	Iter	4570/10000,	Train Loss:	0.0199

2025-03-18	12:55:44,015	-	INFO	-	Iter	4850/10000,	Train Loss:	0.0198
2025-03-18	12:55:44,330	-	INFO	-	Iter	4860/10000,	Train Loss:	0.0198
2025-03-18	12:55:44,638	-	INFO	-	Iter	4870/10000,	Train Loss:	0.0198
2025-03-18	12:55:44,940	-	INFO	-	Iter	4880/10000,	Train Loss:	0.0198
2025-03-18	12:55:45,240	-	INFO	-	Iter	4890/10000,	Train Loss:	0.0198
2025-03-18	12:55:45,539	-	INFO	-	Iter	4900/10000,	Train Loss:	0.0198
2025-03-18	12:55:45,841	-	INFO	-	Iter	4910/10000,	Train Loss:	0.0198
2025-03-18	12:55:46,156	-	INFO	-	Iter	4920/10000,	Train Loss:	0.0198
2025-03-18	12:55:46,459	-	INFO	-	Iter	4930/10000,	Train Loss:	0.0198
2025-03-18	12:55:46,760	-	INFO	-	Iter	4940/10000,	Train Loss:	0.0198
2025-03-18	12:55:47,065	-	INFO	-	Iter	4950/10000,	Train Loss:	0.0198
2025-03-18	12:55:47,365	-	INFO	-	Iter	4960/10000,	Train Loss:	0.0198
2025-03-18	12:55:47,668	-	INFO	-	Iter	4970/10000,	Train Loss:	0.0198
2025-03-18	12:55:47,970	-	INFO	-	Iter	4980/10000,	Train Loss:	0.0198
2025-03-18	12:55:48,270	-	INFO	-	Iter	4990/10000,	Train Loss:	0.0198
2025-03-18	12:55:48,606	-	INFO	-	Iter	5000/10000,	Train Loss:	0.0198
2025-03-18	12:55:48,911	-	INFO	-	Iter	5010/10000,	Train Loss:	0.0198
2025-03-18	12:55:49,214	-	INFO	-	Iter	5020/10000,	Train Loss:	0.0198
2025-03-18	12:55:49,515	-	INFO	-	Iter	5030/10000,	Train Loss:	0.0198
2025-03-18	12:55:49,821	-	INFO	-	Iter	5040/10000,	Train Loss:	0.0198
2025-03-18	12:55:50,126	-	INFO	-	Iter	5050/10000,	Train Loss:	0.0198
2025-03-18	12:55:50,444	-	INFO	-	Iter	5060/10000,	Train Loss:	0.0198
2025-03-18	12:55:50,745	-	INFO	-	Iter	5070/10000,	Train Loss:	0.0198
2025-03-18	12:55:51,049	-	INFO	-	Iter	5080/10000,	Train Loss:	0.0198
2025-03-18	12:55:51,360	-	INFO	-	Iter	5090/10000,	Train Loss:	0.0198
2025-03-18	12:55:51,659	-	INFO	-	Iter	5100/10000,	Train Loss:	0.0198
2025-03-18	12:55:51,962	-	INFO	-	Iter	5110/10000,	Train Loss:	0.0198
2025-03-18	12:55:52,272	-	INFO	-	Iter	5120/10000,	Train Loss:	0.0198
2025-03-18	12:55:52,588	-	INFO	-	Iter	5130/10000,	Train Loss:	0.0198
2025-03-18	12:55:52,891	-	INFO	-	Iter	5140/10000,	Train Loss:	0.0198
2025-03-18	12:55:53,193	-	INFO	-	Iter	5150/10000,	Train Loss:	0.0198
2025-03-18	12:55:53,512	-	INFO	-	Iter	5160/10000,	Train Loss:	0.0198
2025-03-18	12:55:53,841	-	INFO	-	Iter	5170/10000,	Train Loss:	0.0198
2025-03-18	12:55:54,145	-	INFO	-	Iter	5180/10000,	Train Loss:	0.0198
2025-03-18	12:55:54,458	-	INFO	-	Iter	5190/10000,	Train Loss:	0.0198
2025-03-18	12:55:54,765	-	INFO	-	Iter	5200/10000,	Train Loss:	0.0198
2025-03-18	12:55:55,069	-	INFO	-	Iter	5210/10000,	Train Loss:	0.0198
2025-03-18	12:55:55,373	-	INFO	-	Iter	5220/10000,	Train Loss:	0.0198
2025-03-18	12:55:55,675	-	INFO	-	Iter	5230/10000,	Train Loss:	0.0198
2025-03-18	12:55:55,982	-	INFO	-	Iter	5240/10000,	Train Loss:	0.0198
2025-03-18	12:55:56,285	-	INFO	-	Iter	5250/10000,	Train Loss:	0.0198
2025-03-18	12:55:56,588	-	INFO	-	Iter	5260/10000,	Train Loss:	0.0198
2025-03-18	12:55:56,888	-	INFO	-	Iter	5270/10000,	Train Loss:	0.0198
2025-03-18	12:55:57,193	-	INFO	-	Iter	5280/10000,	Train Loss:	0.0198
2025-03-18	12:55:57,499	-	INFO	-	Iter	5290/10000,	Train Loss:	0.0198

2025-03-18	12:56:06,041	-	INFO	-	Iter	5570/10000,	Train Loss:	0.0197
2025-03-18	12:56:06,344	-	INFO	-	Iter	5580/10000,	Train Loss:	0.0197
2025-03-18	12:56:06,659	-	INFO	-	Iter	5590/10000,	Train Loss:	0.0197
2025-03-18	12:56:06,963	-	INFO	-	Iter	5600/10000,	Train Loss:	0.0197
2025-03-18	12:56:07,276	-	INFO	-	Iter	5610/10000,	Train Loss:	0.0197
2025-03-18	12:56:07,588	-	INFO	-	Iter	5620/10000,	Train Loss:	0.0197
2025-03-18	12:56:07,894	-	INFO	-	Iter	5630/10000,	Train Loss:	0.0197
2025-03-18	12:56:08,199	-	INFO	-	Iter	5640/10000,	Train Loss:	0.0197
2025-03-18	12:56:08,504	-	INFO	-	Iter	5650/10000,	Train Loss:	0.0197
2025-03-18	12:56:08,812	-	INFO	-	Iter	5660/10000,	Train Loss:	0.0197
2025-03-18	12:56:09,134	-	INFO	-	Iter	5670/10000,	Train Loss:	0.0197
2025-03-18	12:56:09,445	-	INFO	-	Iter	5680/10000,	Train Loss:	0.0197
2025-03-18	12:56:09,748	-	INFO	-	Iter	5690/10000,	Train Loss:	0.0197
2025-03-18	12:56:10,049	-	INFO	-	Iter	5700/10000,	Train Loss:	0.0197
2025-03-18	12:56:10,356	-	INFO	-	Iter	5710/10000,	Train Loss:	0.0197
2025-03-18	12:56:10,653	-	INFO	-	Iter	5720/10000,	Train Loss:	0.0197
2025-03-18	12:56:10,954	-	INFO	-	Iter	5730/10000,	Train Loss:	0.0197
2025-03-18	12:56:11,256	-	INFO	-	Iter	5740/10000,	Train Loss:	0.0197
2025-03-18	12:56:11,559	-	INFO	-	Iter	5750/10000,	Train Loss:	0.0197
2025-03-18	12:56:11,877	-	INFO	-	Iter	5760/10000,	Train Loss:	0.0197
2025-03-18	12:56:12,179	-	INFO	-	Iter	5770/10000,	Train Loss:	0.0197
2025-03-18	12:56:12,482	-	INFO	-	Iter	5780/10000,	Train Loss:	0.0197
2025-03-18	12:56:12,788	-	INFO	-	Iter	5790/10000,	Train Loss:	0.0197
2025-03-18	12:56:13,093	-	INFO	-	Iter	5800/10000,	Train Loss:	0.0197
2025-03-18	12:56:13,411	-	INFO	-	Iter	5810/10000,	Train Loss:	0.0197
2025-03-18	12:56:13,712	-	INFO	-	Iter	5820/10000,	Train Loss:	0.0197
2025-03-18	12:56:14,013	-	INFO	-	Iter	5830/10000,	Train Loss:	0.0197
2025-03-18	12:56:14,312	-	INFO	-	Iter	5840/10000,	Train Loss:	0.0197
2025-03-18	12:56:14,612	-	INFO	-	Iter	5850/10000,	Train Loss:	0.0197
2025-03-18	12:56:14,915	-	INFO	-	Iter	5860/10000,	Train Loss:	0.0197
2025-03-18	12:56:15,214	-	INFO	-	Iter	5870/10000,	Train Loss:	0.0197
2025-03-18	12:56:15,514	-	INFO	-	Iter	5880/10000,	Train Loss:	0.0197
2025-03-18	12:56:15,815	-	INFO	-	Iter	5890/10000,	Train Loss:	0.0197
2025-03-18	12:56:16,128	-	INFO	-	Iter	5900/10000,	Train Loss:	0.0197
2025-03-18	12:56:16,432	-	INFO	-	Iter	5910/10000,	Train Loss:	0.0197
2025-03-18	12:56:16,731	-	INFO	-	Iter	5920/10000,	Train Loss:	0.0197
2025-03-18	12:56:17,034	-	INFO	-	Iter	5930/10000,	Train Loss:	0.0197
2025-03-18	12:56:17,338	-	INFO	-	Iter	5940/10000,	Train Loss:	0.0197
2025-03-18	12:56:17,643	-	INFO	-	Iter	5950/10000,	Train Loss:	0.0197
2025-03-18	12:56:17,944	-	INFO	-	Iter	5960/10000,	Train Loss:	0.0197
2025-03-18	12:56:18,250	-	INFO	-	Iter	5970/10000,	Train Loss:	0.0197
2025-03-18	12:56:18,585	-	INFO	-	Iter	5980/10000,	Train Loss:	0.0197
2025-03-18	12:56:18,913	-	INFO	-	Iter	5990/10000,	Train Loss:	0.0197
2025-03-18	12:56:19,245	-	INFO	-	Iter	6000/10000,	Train Loss:	0.0197
2025-03-18	12:56:19,582	-	INFO	-	Iter	6010/10000,	Train Loss:	0.0197



2025-03-18	12:56:28,467	-	INFO	-	Iter	6290/10000,	Train Loss:	0.0197
2025-03-18	12:56:28,780	-	INFO	-	Iter	6300/10000,	Train Loss:	0.0197
2025-03-18	12:56:29,083	-	INFO	-	Iter	6310/10000,	Train Loss:	0.0197
2025-03-18	12:56:29,412	-	INFO	-	Iter	6320/10000,	Train Loss:	0.0197
2025-03-18	12:56:29,726	-	INFO	-	Iter	6330/10000,	Train Loss:	0.0197
2025-03-18	12:56:30,032	-	INFO	-	Iter	6340/10000,	Train Loss:	0.0197
2025-03-18	12:56:30,339	-	INFO	-	Iter	6350/10000,	Train Loss:	0.0197
2025-03-18	12:56:30,657	-	INFO	-	Iter	6360/10000,	Train Loss:	0.0197
2025-03-18	12:56:30,960	-	INFO	-	Iter	6370/10000,	Train Loss:	0.0197
2025-03-18	12:56:31,265	-	INFO	-	Iter	6380/10000,	Train Loss:	0.0197
2025-03-18	12:56:31,579	-	INFO	-	Iter	6390/10000,	Train Loss:	0.0197
2025-03-18	12:56:31,888	-	INFO	-	Iter	6400/10000,	Train Loss:	0.0197
2025-03-18	12:56:32,190	-	INFO	-	Iter	6410/10000,	Train Loss:	0.0197
2025-03-18	12:56:32,497	-	INFO	-	Iter	6420/10000,	Train Loss:	0.0197
2025-03-18	12:56:32,807	-	INFO	-	Iter	6430/10000,	Train Loss:	0.0197
2025-03-18	12:56:33,115	-	INFO	-	Iter	6440/10000,	Train Loss:	0.0197
2025-03-18	12:56:33,463	-	INFO	-	Iter	6450/10000,	Train Loss:	0.0197
2025-03-18	12:56:33,778	-	INFO	-	Iter	6460/10000,	Train Loss:	0.0197
2025-03-18	12:56:34,088	-	INFO	-	Iter	6470/10000,	Train Loss:	0.0197
2025-03-18	12:56:34,403	-	INFO	-	Iter	6480/10000,	Train Loss:	0.0197
2025-03-18	12:56:34,717	-	INFO	-	Iter	6490/10000,	Train Loss:	0.0197
2025-03-18	12:56:35,036	-	INFO	-	Iter	6500/10000,	Train Loss:	0.0197
2025-03-18	12:56:35,356	-	INFO	-	Iter	6510/10000,	Train Loss:	0.0197
2025-03-18	12:56:35,669	-	INFO	-	Iter	6520/10000,	Train Loss:	0.0197
2025-03-18	12:56:35,978	-	INFO	-	Iter	6530/10000,	Train Loss:	0.0197
2025-03-18	12:56:36,289	-	INFO	-	Iter	6540/10000,	Train Loss:	0.0197
2025-03-18	12:56:36,622	-	INFO	-	Iter	6550/10000,	Train Loss:	0.0197
2025-03-18	12:56:36,928	-	INFO	-	Iter	6560/10000,	Train Loss:	0.0197
2025-03-18	12:56:37,236	-	INFO	-	Iter	6570/10000,	Train Loss:	0.0197
2025-03-18	12:56:37,561	-	INFO	-	Iter	6580/10000,	Train Loss:	0.0197
2025-03-18	12:56:37,870	-	INFO	-	Iter	6590/10000,	Train Loss:	0.0197
2025-03-18	12:56:38,176	-	INFO	-	Iter	6600/10000,	Train Loss:	0.0197
2025-03-18	12:56:38,490	-	INFO	-	Iter	6610/10000,	Train Loss:	0.0197
2025-03-18	12:56:38,797	-	INFO	-	Iter	6620/10000,	Train Loss:	0.0197
2025-03-18	12:56:39,128	-	INFO	-	Iter	6630/10000,	Train Loss:	0.0197
2025-03-18	12:56:39,439	-	INFO	-	Iter	6640/10000,	Train Loss:	0.0197
2025-03-18	12:56:39,772	-	INFO	-	Iter	6650/10000,	Train Loss:	0.0197
2025-03-18	12:56:40,081	-	INFO	-	Iter	6660/10000,	Train Loss:	0.0197
2025-03-18	12:56:40,391	-	INFO	-	Iter	6670/10000,	Train Loss:	0.0197
2025-03-18	12:56:40,696	-	INFO	-	Iter	6680/10000,	Train Loss:	0.0197
2025-03-18	12:56:41,007	-	INFO	-	Iter	6690/10000,	Train Loss:	0.0197
2025-03-18	12:56:41,329	-	INFO	-	Iter	6700/10000,	Train Loss:	0.0197
2025-03-18	12:56:41,650	-	INFO	-	Iter	6710/10000,	Train Loss:	0.0197
2025-03-18	12:56:41,969	-	INFO	-	Iter	6720/10000,	Train Loss:	0.0196
2025-03-18	12:56:42,279	-	INFO	-	Iter	6730/10000,	Train Loss:	0.0196



2025-03-18	12:56:51,033	-	INFO	-	Iter	7010/10000,	Train	Loss:	0.0196
2025-03-18	12:56:51,344	-	INFO	-	Iter	7020/10000,	Train	Loss:	0.0196
2025-03-18	12:56:51,658	-	INFO	-	Iter	7030/10000,	Train	Loss:	0.0196
2025-03-18	12:56:51,968	-	INFO	-	Iter	7040/10000,	Train	Loss:	0.0196
2025-03-18	12:56:52,278	-	INFO	-	Iter	7050/10000,	Train	Loss:	0.0196
2025-03-18	12:56:52,590	-	INFO	-	Iter	7060/10000,	Train	Loss:	0.0196
2025-03-18	12:56:52,900	-	INFO	-	Iter	7070/10000,	Train	Loss:	0.0196
2025-03-18	12:56:53,210	-	INFO	-	Iter	7080/10000,	Train	Loss:	0.0196
2025-03-18	12:56:53,526	-	INFO	-	Iter	7090/10000,	Train	Loss:	0.0196
2025-03-18	12:56:53,852	-	INFO	-	Iter	7100/10000,	Train	Loss:	0.0196
2025-03-18	12:56:54,159	-	INFO	-	Iter	7110/10000,	Train	Loss:	0.0196
2025-03-18	12:56:54,467	-	INFO	-	Iter	7120/10000,	Train	Loss:	0.0196
2025-03-18	12:56:54,777	-	INFO	-	Iter	7130/10000,	Train	Loss:	0.0196
2025-03-18	12:56:55,087	-	INFO	-	Iter	7140/10000,	Train	Loss:	0.0196
2025-03-18	12:56:55,393	-	INFO	-	Iter	7150/10000,	Train	Loss:	0.0196
2025-03-18	12:56:55,706	-	INFO	-	Iter	7160/10000,	Train	Loss:	0.0196
2025-03-18	12:56:56,027	-	INFO	-	Iter	7170/10000,	Train	Loss:	0.0196
2025-03-18	12:56:56,335	-	INFO	-	Iter	7180/10000,	Train	Loss:	0.0196
2025-03-18	12:56:56,644	-	INFO	-	Iter	7190/10000,	Train	Loss:	0.0196
2025-03-18	12:56:56,956	-	INFO	-	Iter	7200/10000,	Train	Loss:	0.0196
2025-03-18	12:56:57,263	-	INFO	-	Iter	7210/10000,	Train	Loss:	0.0196
2025-03-18	12:56:57,576	-	INFO	-	Iter	7220/10000,	Train	Loss:	0.0196
2025-03-18	12:56:57,887	-	INFO	-	Iter	7230/10000,	Train	Loss:	0.0196
2025-03-18	12:56:58,198	-	INFO	-	Iter	7240/10000,	Train	Loss:	0.0196
2025-03-18	12:56:58,507	-	INFO	-	Iter	7250/10000,	Train	Loss:	0.0196
2025-03-18	12:56:58,814	-	INFO	-	Iter	7260/10000,	Train	Loss:	0.0196
2025-03-18	12:56:59,122	-	INFO	-	Iter	7270/10000,	Train	Loss:	0.0196
2025-03-18	12:56:59,438	-	INFO	-	Iter	7280/10000,	Train	Loss:	0.0196
2025-03-18	12:56:59,754	-	INFO	-	Iter	7290/10000,	Train	Loss:	0.0196
2025-03-18	12:57:00,078	-	INFO	-	Iter	7300/10000,	Train	Loss:	0.0196
2025-03-18	12:57:00,390	-	INFO	-	Iter	7310/10000,	Train	Loss:	0.0196
2025-03-18	12:57:00,698	-	INFO	-	Iter	7320/10000,	Train	Loss:	0.0196
2025-03-18	12:57:01,003	-	INFO	-	Iter	7330/10000,	Train	Loss:	0.0196
2025-03-18	12:57:01,311	-	INFO	-	Iter	7340/10000,	Train	Loss:	0.0196
2025-03-18	12:57:01,620	-	INFO	-	Iter	7350/10000,	Train	Loss:	0.0196
2025-03-18	12:57:01,932	-	INFO	-	Iter	7360/10000,	Train	Loss:	0.0196
2025-03-18	12:57:02,237	-	INFO	-	Iter	7370/10000,	Train	Loss:	0.0196
2025-03-18	12:57:02,547	-	INFO	-	Iter	7380/10000,	Train	Loss:	0.0196
2025-03-18	12:57:02,860	-	INFO	-	Iter	7390/10000,	Train	Loss:	0.0196
2025-03-18	12:57:03,170	-	INFO	-	Iter	7400/10000,	Train	Loss:	0.0196
2025-03-18	12:57:03,479	-	INFO	-	Iter	7410/10000,	Train	Loss:	0.0196
2025-03-18	12:57:03,791	-	INFO	-	Iter	7420/10000,	Train	Loss:	0.0196
2025-03-18	12:57:04,102	-	INFO	-	Iter	7430			

2025-03-18	12:57:13,420	-	INFO	-	Iter	7730/10000,	Train	Loss:	0.0196
2025-03-18	12:57:13,732	-	INFO	-	Iter	7740/10000,	Train	Loss:	0.0196
2025-03-18	12:57:14,044	-	INFO	-	Iter	7750/10000,	Train	Loss:	0.0196
2025-03-18	12:57:14,357	-	INFO	-	Iter	7760/10000,	Train	Loss:	0.0196
2025-03-18	12:57:14,663	-	INFO	-	Iter	7770/10000,	Train	Loss:	0.0196
2025-03-18	12:57:14,977	-	INFO	-	Iter	7780/10000,	Train	Loss:	0.0196
2025-03-18	12:57:15,292	-	INFO	-	Iter	7790/10000,	Train	Loss:	0.0196
2025-03-18	12:57:15,603	-	INFO	-	Iter	7800/10000,	Train	Loss:	0.0196
2025-03-18	12:57:15,910	-	INFO	-	Iter	7810/10000,	Train	Loss:	0.0196
2025-03-18	12:57:16,222	-	INFO	-	Iter	7820/10000,	Train	Loss:	0.0196
2025-03-18	12:57:16,536	-	INFO	-	Iter	7830/10000,	Train	Loss:	0.0196
2025-03-18	12:57:16,843	-	INFO	-	Iter	7840/10000,	Train	Loss:	0.0196
2025-03-18	12:57:17,150	-	INFO	-	Iter	7850/10000,	Train	Loss:	0.0196
2025-03-18	12:57:17,462	-	INFO	-	Iter	7860/10000,	Train	Loss:	0.0196
2025-03-18	12:57:17,772	-	INFO	-	Iter	7870/10000,	Train	Loss:	0.0196
2025-03-18	12:57:18,082	-	INFO	-	Iter	7880/10000,	Train	Loss:	0.0196
2025-03-18	12:57:18,393	-	INFO	-	Iter	7890/10000,	Train	Loss:	0.0196
2025-03-18	12:57:18,702	-	INFO	-	Iter	7900/10000,	Train	Loss:	0.0196
2025-03-18	12:57:19,019	-	INFO	-	Iter	7910/10000,	Train	Loss:	0.0196
2025-03-18	12:57:19,327	-	INFO	-	Iter	7920/10000,	Train	Loss:	0.0196
2025-03-18	12:57:19,636	-	INFO	-	Iter	7930/10000,	Train	Loss:	0.0196
2025-03-18	12:57:19,943	-	INFO	-	Iter	7940/10000,	Train	Loss:	0.0196
2025-03-18	12:57:20,254	-	INFO	-	Iter	7950/10000,	Train	Loss:	0.0196
2025-03-18	12:57:20,578	-	INFO	-	Iter	7960/10000,	Train	Loss:	0.0196
2025-03-18	12:57:20,886	-	INFO	-	Iter	7970/10000,	Train	Loss:	0.0196
2025-03-18	12:57:21,189	-	INFO	-	Iter	7980/10000,	Train	Loss:	0.0196
2025-03-18	12:57:21,503	-	INFO	-	Iter	7990/10000,	Train	Loss:	0.0196
2025-03-18	12:57:21,813	-	INFO	-	Iter	8000/10000,	Train	Loss:	0.0196
2025-03-18	12:57:22,143	-	INFO	-	Iter	8010/10000,	Train	Loss:	0.0196
2025-03-18	12:57:22,456	-	INFO	-	Iter	8020/10000,	Train	Loss:	0.0196
2025-03-18	12:57:22,763	-	INFO	-	Iter	8030/10000,	Train	Loss:	0.0196
2025-03-18	12:57:23,071	-	INFO	-	Iter	8040/10000,	Train	Loss:	0.0196
2025-03-18	12:57:23,379	-	INFO	-	Iter	8050/10000,	Train	Loss:	0.0196
2025-03-18	12:57:23,692	-	INFO	-	Iter	8060/10000,	Train	Loss:	0.0196
2025-03-18	12:57:24,008	-	INFO	-	Iter	8070/10000,	Train	Loss:	0.0196
2025-03-18	12:57:24,320	-	INFO	-	Iter	8080/10000,	Train	Loss:	0.0196
2025-03-18	12:57:24,626	-	INFO	-	Iter	8090/10000,	Train	Loss:	0.0196
2025-03-18	12:57:24,936	-	INFO	-	Iter	8100/10000,	Train	Loss:	0.0196
2025-03-18	12:57:25,245	-	INFO	-	Iter	8110/10000,	Train	Loss:	0.0196
2025-03-18	12:57:25,555	-	INFO	-	Iter	8120/10000,	Train	Loss:	0.0196
2025-03-18	12:57:25,862	-	INFO	-	Iter	8130/10000,	Train	Loss:	0.0196
2025-03-18	12:57:26,168	-	INFO	-	Iter	8140/10000,	Train	Loss:	0.0196
2025-03-18	12:57:26,478	-	INFO	-	Iter	8150			

2025-03-18	12:57:35,833	-	INFO	-	Iter	8450/10000,	Train Loss:	0.0195
2025-03-18	12:57:36,142	-	INFO	-	Iter	8460/10000,	Train Loss:	0.0195
2025-03-18	12:57:36,459	-	INFO	-	Iter	8470/10000,	Train Loss:	0.0195
2025-03-18	12:57:36,774	-	INFO	-	Iter	8480/10000,	Train Loss:	0.0195
2025-03-18	12:57:37,089	-	INFO	-	Iter	8490/10000,	Train Loss:	0.0195
2025-03-18	12:57:37,406	-	INFO	-	Iter	8500/10000,	Train Loss:	0.0195
2025-03-18	12:57:37,720	-	INFO	-	Iter	8510/10000,	Train Loss:	0.0195
2025-03-18	12:57:38,027	-	INFO	-	Iter	8520/10000,	Train Loss:	0.0195
2025-03-18	12:57:38,338	-	INFO	-	Iter	8530/10000,	Train Loss:	0.0195
2025-03-18	12:57:38,647	-	INFO	-	Iter	8540/10000,	Train Loss:	0.0195
2025-03-18	12:57:38,957	-	INFO	-	Iter	8550/10000,	Train Loss:	0.0195
2025-03-18	12:57:39,270	-	INFO	-	Iter	8560/10000,	Train Loss:	0.0195
2025-03-18	12:57:39,586	-	INFO	-	Iter	8570/10000,	Train Loss:	0.0195
2025-03-18	12:57:39,891	-	INFO	-	Iter	8580/10000,	Train Loss:	0.0195
2025-03-18	12:57:40,195	-	INFO	-	Iter	8590/10000,	Train Loss:	0.0195
2025-03-18	12:57:40,508	-	INFO	-	Iter	8600/10000,	Train Loss:	0.0195
2025-03-18	12:57:40,825	-	INFO	-	Iter	8610/10000,	Train Loss:	0.0195
2025-03-18	12:57:41,147	-	INFO	-	Iter	8620/10000,	Train Loss:	0.0195
2025-03-18	12:57:41,476	-	INFO	-	Iter	8630/10000,	Train Loss:	0.0195
2025-03-18	12:57:41,789	-	INFO	-	Iter	8640/10000,	Train Loss:	0.0195
2025-03-18	12:57:42,104	-	INFO	-	Iter	8650/10000,	Train Loss:	0.0195
2025-03-18	12:57:42,415	-	INFO	-	Iter	8660/10000,	Train Loss:	0.0195
2025-03-18	12:57:42,727	-	INFO	-	Iter	8670/10000,	Train Loss:	0.0195
2025-03-18	12:57:43,040	-	INFO	-	Iter	8680/10000,	Train Loss:	0.0195
2025-03-18	12:57:43,368	-	INFO	-	Iter	8690/10000,	Train Loss:	0.0195
2025-03-18	12:57:43,679	-	INFO	-	Iter	8700/10000,	Train Loss:	0.0195
2025-03-18	12:57:43,994	-	INFO	-	Iter	8710/10000,	Train Loss:	0.0195
2025-03-18	12:57:44,313	-	INFO	-	Iter	8720/10000,	Train Loss:	0.0195
2025-03-18	12:57:44,630	-	INFO	-	Iter	8730/10000,	Train Loss:	0.0195
2025-03-18	12:57:44,944	-	INFO	-	Iter	8740/10000,	Train Loss:	0.0195
2025-03-18	12:57:45,259	-	INFO	-	Iter	8750/10000,	Train Loss:	0.0195
2025-03-18	12:57:45,575	-	INFO	-	Iter	8760/10000,	Train Loss:	0.0195
2025-03-18	12:57:45,888	-	INFO	-	Iter	8770/10000,	Train Loss:	0.0195
2025-03-18	12:57:46,198	-	INFO	-	Iter	8780/10000,	Train Loss:	0.0195
2025-03-18	12:57:46,528	-	INFO	-	Iter	8790/10000,	Train Loss:	0.0195
2025-03-18	12:57:46,847	-	INFO	-	Iter	8800/10000,	Train Loss:	0.0195
2025-03-18	12:57:47,167	-	INFO	-	Iter	8810/10000,	Train Loss:	0.0195
2025-03-18	12:57:47,488	-	INFO	-	Iter	8820/10000,	Train Loss:	0.0195
2025-03-18	12:57:47,804	-	INFO	-	Iter	8830/10000,	Train Loss:	0.0195
2025-03-18	12:57:48,116	-	INFO	-	Iter	8840/10000,	Train Loss:	0.0195
2025-03-18	12:57:48,429	-	INFO	-	Iter	8850/10000,	Train Loss:	0.0195
2025-03-18	12:57:48,743	-	INFO	-	Iter	8860/10000,	Train Loss:	0.0195
2025-03-18	12:57:49,069	-	INFO	-	Iter	8870/10000,	Train Loss:	0.0195
2025-03-18	12:57:49,380	-	INFO	-	Iter	8880/10000,	Train Loss:	0.0195
2025-03-18	12:57:49,689	-	INFO	-	Iter	8890/10000,	Train Loss:	0.0195

2025-03-18	12:57:58,489	-	INFO	-	Iter	9170/10000,	Train Loss:	0.0195
2025-03-18	12:57:58,823	-	INFO	-	Iter	9180/10000,	Train Loss:	0.0195
2025-03-18	12:57:59,158	-	INFO	-	Iter	9190/10000,	Train Loss:	0.0195
2025-03-18	12:57:59,475	-	INFO	-	Iter	9200/10000,	Train Loss:	0.0195
2025-03-18	12:57:59,787	-	INFO	-	Iter	9210/10000,	Train Loss:	0.0195
2025-03-18	12:58:00,102	-	INFO	-	Iter	9220/10000,	Train Loss:	0.0195
2025-03-18	12:58:00,429	-	INFO	-	Iter	9230/10000,	Train Loss:	0.0195
2025-03-18	12:58:00,747	-	INFO	-	Iter	9240/10000,	Train Loss:	0.0195
2025-03-18	12:58:01,055	-	INFO	-	Iter	9250/10000,	Train Loss:	0.0195
2025-03-18	12:58:01,382	-	INFO	-	Iter	9260/10000,	Train Loss:	0.0195
2025-03-18	12:58:01,711	-	INFO	-	Iter	9270/10000,	Train Loss:	0.0195
2025-03-18	12:58:02,030	-	INFO	-	Iter	9280/10000,	Train Loss:	0.0195
2025-03-18	12:58:02,345	-	INFO	-	Iter	9290/10000,	Train Loss:	0.0195
2025-03-18	12:58:02,664	-	INFO	-	Iter	9300/10000,	Train Loss:	0.0195
2025-03-18	12:58:03,024	-	INFO	-	Iter	9310/10000,	Train Loss:	0.0195
2025-03-18	12:58:03,346	-	INFO	-	Iter	9320/10000,	Train Loss:	0.0195
2025-03-18	12:58:03,655	-	INFO	-	Iter	9330/10000,	Train Loss:	0.0195
2025-03-18	12:58:03,961	-	INFO	-	Iter	9340/10000,	Train Loss:	0.0195
2025-03-18	12:58:04,265	-	INFO	-	Iter	9350/10000,	Train Loss:	0.0195
2025-03-18	12:58:04,568	-	INFO	-	Iter	9360/10000,	Train Loss:	0.0195
2025-03-18	12:58:04,876	-	INFO	-	Iter	9370/10000,	Train Loss:	0.0195
2025-03-18	12:58:05,189	-	INFO	-	Iter	9380/10000,	Train Loss:	0.0195
2025-03-18	12:58:05,497	-	INFO	-	Iter	9390/10000,	Train Loss:	0.0195
2025-03-18	12:58:05,813	-	INFO	-	Iter	9400/10000,	Train Loss:	0.0195
2025-03-18	12:58:06,120	-	INFO	-	Iter	9410/10000,	Train Loss:	0.0195
2025-03-18	12:58:06,430	-	INFO	-	Iter	9420/10000,	Train Loss:	0.0195
2025-03-18	12:58:06,737	-	INFO	-	Iter	9430/10000,	Train Loss:	0.0195
2025-03-18	12:58:07,041	-	INFO	-	Iter	9440/10000,	Train Loss:	0.0195
2025-03-18	12:58:07,348	-	INFO	-	Iter	9450/10000,	Train Loss:	0.0195
2025-03-18	12:58:07,655	-	INFO	-	Iter	9460/10000,	Train Loss:	0.0195
2025-03-18	12:58:07,964	-	INFO	-	Iter	9470/10000,	Train Loss:	0.0195
2025-03-18	12:58:08,278	-	INFO	-	Iter	9480/10000,	Train Loss:	0.0195
2025-03-18	12:58:08,592	-	INFO	-	Iter	9490/10000,	Train Loss:	0.0195
2025-03-18	12:58:08,893	-	INFO	-	Iter	9500/10000,	Train Loss:	0.0195
2025-03-18	12:58:09,197	-	INFO	-	Iter	9510/10000,	Train Loss:	0.0195
2025-03-18	12:58:09,505	-	INFO	-	Iter	9520/10000,	Train Loss:	0.0195
2025-03-18	12:58:09,809	-	INFO	-	Iter	9530/10000,	Train Loss:	0.0195
2025-03-18	12:58:10,114	-	INFO	-	Iter	9540/10000,	Train Loss:	0.0195
2025-03-18	12:58:10,423	-	INFO	-	Iter	9550/10000,	Train Loss:	0.0195
2025-03-18	12:58:10,727	-	INFO	-	Iter	9560/10000,	Train Loss:	0.0195
2025-03-18	12:58:11,035	-	INFO	-	Iter	9570/10000,	Train Loss:	0.0195
2025-03-18	12:58:11,342	-	INFO	-	Iter	9580/10000,	Train Loss:	0.0195
2025-03-18	12:58:11,668	-	INFO	-	Iter	9590/10000,	Train Loss:	0.0195
2025-03-18	12:58:11,976	-	INFO	-	Iter	9600/10000,	Train Loss:	0.0195
2025-03-18	12:58:12,287	-	INFO	-	Iter	9610/10000,	Train Loss:	0.0195







```
2025-03-18 12:58:46,835 - INFO - Iter 570/1000, Loss: 0.7575
2025-03-18 12:58:47,230 - INFO - Iter 580/1000, Loss: 0.7521
2025-03-18 12:58:47,624 - INFO - Iter 590/1000, Loss: 0.7469
2025-03-18 12:58:48,018 - INFO - Iter 600/1000, Loss: 0.7418
2025-03-18 12:58:48,409 - INFO - Iter 610/1000, Loss: 0.7368
2025-03-18 12:58:48,804 - INFO - Iter 620/1000, Loss: 0.7320
2025-03-18 12:58:49,195 - INFO - Iter 630/1000, Loss: 0.7272
2025-03-18 12:58:49,592 - INFO - Iter 640/1000, Loss: 0.7227
2025-03-18 12:58:49,986 - INFO - Iter 650/1000, Loss: 0.7182
2025-03-18 12:58:50,379 - INFO - Iter 660/1000, Loss: 0.7138
2025-03-18 12:58:50,774 - INFO - Iter 670/1000, Loss: 0.7096
2025-03-18 12:58:51,173 - INFO - Iter 680/1000, Loss: 0.7054
2025-03-18 12:58:51,567 - INFO - Iter 690/1000, Loss: 0.7014
2025-03-18 12:58:51,956 - INFO - Iter 700/1000, Loss: 0.6974
2025-03-18 12:58:52,369 - INFO - Iter 710/1000, Loss: 0.6935
2025-03-18 12:58:52,765 - INFO - Iter 720/1000, Loss: 0.6898
2025-03-18 12:58:53,158 - INFO - Iter 730/1000, Loss: 0.6861
2025-03-18 12:58:53,554 - INFO - Iter 740/1000, Loss: 0.6825
2025-03-18 12:58:53,955 - INFO - Iter 750/1000, Loss: 0.6789
2025-03-18 12:58:54,352 - INFO - Iter 760/1000, Loss: 0.6755
2025-03-18 12:58:54,747 - INFO - Iter 770/1000, Loss: 0.6721
2025-03-18 12:58:55,138 - INFO - Iter 780/1000, Loss: 0.6688
2025-03-18 12:58:55,527 - INFO - Iter 790/1000, Loss: 0.6656
2025-03-18 12:58:55,921 - INFO - Iter 800/1000, Loss: 0.6624
2025-03-18 12:58:56,314 - INFO - Iter 810/1000, Loss: 0.6593
2025-03-18 12:58:56,717 - INFO - Iter 820/1000, Loss: 0.6563
2025-03-18 12:58:57,106 - INFO - Iter 830/1000, Loss: 0.6533
2025-03-18 12:58:57,497 - INFO - Iter 840/1000, Loss: 0.6504
2025-03-18 12:58:57,898 - INFO - Iter 850/1000, Loss: 0.6475
2025-03-18 12:58:58,296 - INFO - Iter 860/1000, Loss: 0.6447
2025-03-18 12:58:58,690 - INFO - Iter 870/1000, Loss: 0.6419
2025-03-18 12:58:59,082 - INFO - Iter 880/1000, Loss: 0.6392
2025-03-18 12:58:59,478 - INFO - Iter 890/1000, Loss: 0.6366
2025-03-18 12:58:59,872 - INFO - Iter 900/1000, Loss: 0.6340
2025-03-18 12:59:00,271 - INFO - Iter 910/1000, Loss: 0.6314
2025-03-18 12:59:00,664 - INFO - Iter 920/1000, Loss: 0.6289
2025-03-18 12:59:01,057 - INFO - Iter 930/1000, Loss: 0.6265
2025-03-18 12:59:01,448 - INFO - Iter 940/1000, Loss: 0.6240
2025-03-18 12:59:01,842 - INFO - Iter 950/1000, Loss: 0.6217
2025-03-18 12:59:02,236 - INFO - Iter 960/1000, Loss: 0.6193
2025-03-18 12:59:02,639 - INFO - Iter 970/1000, Loss: 0.6170
2025-03-18 12:59:03,034 - INFO - Iter 980/1000, Loss: 0.6148
2025-03-18 12:59:03,429 - INFO - Iter 990/1000, Loss: 0.6126
2025-03-18 12:59:03,823 - INFO - Iter 1000/1000, Loss: 0.6104
2025-03-18 12:59:03,824 - INFO - SoftmaxRegression training completed in 39.54 seconds.
2025-03-18 12:59:03,824 - INFO - --- Linear Regression LR=0.01/Iter=1000 ---
2025-03-18 12:59:04,130 - INFO - Iter 10/1000, Train Loss: 0.0380
2025-03-18 12:59:04,442 - INFO - Iter 20/1000, Train Loss: 0.0334
2025-03-18 12:59:04,751 - INFO - Iter 30/1000, Train Loss: 0.0305
2025-03-18 12:59:05,057 - INFO - Iter 40/1000, Train Loss: 0.0287
2025-03-18 12:59:05,371 - INFO - Iter 50/1000, Train Loss: 0.0275
2025-03-18 12:59:05,678 - INFO - Iter 60/1000, Train Loss: 0.0266
2025-03-18 12:59:05,984 - INFO - Iter 70/1000, Train Loss: 0.0259
2025-03-18 12:59:06,292 - INFO - Iter 80/1000, Train Loss: 0.0253
2025-03-18 12:59:06,601 - INFO - Iter 90/1000, Train Loss: 0.0249
2025-03-18 12:59:06,909 - INFO - Iter 100/1000, Train Loss: 0.0245
2025-03-18 12:59:07,216 - INFO - Iter 110/1000, Train Loss: 0.0242
2025-03-18 12:59:07,523 - INFO - Iter 120/1000, Train Loss: 0.0239
2025-03-18 12:59:07,835 - INFO - Iter 130/1000, Train Loss: 0.0237
2025-03-18 12:59:08,149 - INFO - Iter 140/1000, Train Loss: 0.0235
2025-03-18 12:59:08,475 - INFO - Iter 150/1000, Train Loss: 0.0233
2025-03-18 12:59:08,788 - INFO - Iter 160/1000, Train Loss: 0.0232
2025-03-18 12:59:09,095 - INFO - Iter 170/1000, Train Loss: 0.0230
2025-03-18 12:59:09,407 - INFO - Iter 180/1000, Train Loss: 0.0229
2025-03-18 12:59:09,715 - INFO - Iter 190/1000, Train Loss: 0.0228
2025-03-18 12:59:10,023 - INFO - Iter 200/1000, Train Loss: 0.0227
2025-03-18 12:59:10,339 - INFO - Iter 210/1000, Train Loss: 0.0226
2025-03-18 12:59:10,651 - INFO - Iter 220/1000, Train Loss: 0.0225
2025-03-18 12:59:10,963 - INFO - Iter 230/1000, Train Loss: 0.0224
2025-03-18 12:59:11,276 - INFO - Iter 240/1000, Train Loss: 0.0223
2025-03-18 12:59:11,583 - INFO - Iter 250/1000, Train Loss: 0.0222
2025-03-18 12:59:11,886 - INFO - Iter 260/1000, Train Loss: 0.0222
```

2025-03-18	12:59:12,194	- INFO	- Iter	270/1000,	Train Loss: 0.0221
2025-03-18	12:59:12,516	- INFO	- Iter	280/1000,	Train Loss: 0.0220
2025-03-18	12:59:12,834	- INFO	- Iter	290/1000,	Train Loss: 0.0220
2025-03-18	12:59:13,140	- INFO	- Iter	300/1000,	Train Loss: 0.0219
2025-03-18	12:59:13,452	- INFO	- Iter	310/1000,	Train Loss: 0.0219
2025-03-18	12:59:13,767	- INFO	- Iter	320/1000,	Train Loss: 0.0218
2025-03-18	12:59:14,071	- INFO	- Iter	330/1000,	Train Loss: 0.0218
2025-03-18	12:59:14,381	- INFO	- Iter	340/1000,	Train Loss: 0.0217
2025-03-18	12:59:14,687	- INFO	- Iter	350/1000,	Train Loss: 0.0217
2025-03-18	12:59:14,994	- INFO	- Iter	360/1000,	Train Loss: 0.0216
2025-03-18	12:59:15,300	- INFO	- Iter	370/1000,	Train Loss: 0.0216
2025-03-18	12:59:15,608	- INFO	- Iter	380/1000,	Train Loss: 0.0216
2025-03-18	12:59:15,920	- INFO	- Iter	390/1000,	Train Loss: 0.0215
2025-03-18	12:59:16,224	- INFO	- Iter	400/1000,	Train Loss: 0.0215
2025-03-18	12:59:16,537	- INFO	- Iter	410/1000,	Train Loss: 0.0215
2025-03-18	12:59:16,843	- INFO	- Iter	420/1000,	Train Loss: 0.0214
2025-03-18	12:59:17,153	- INFO	- Iter	430/1000,	Train Loss: 0.0214
2025-03-18	12:59:17,461	- INFO	- Iter	440/1000,	Train Loss: 0.0214
2025-03-18	12:59:17,770	- INFO	- Iter	450/1000,	Train Loss: 0.0213
2025-03-18	12:59:18,083	- INFO	- Iter	460/1000,	Train Loss: 0.0213
2025-03-18	12:59:18,406	- INFO	- Iter	470/1000,	Train Loss: 0.0213
2025-03-18	12:59:18,717	- INFO	- Iter	480/1000,	Train Loss: 0.0213
2025-03-18	12:59:19,024	- INFO	- Iter	490/1000,	Train Loss: 0.0212
2025-03-18	12:59:19,347	- INFO	- Iter	500/1000,	Train Loss: 0.0212
2025-03-18	12:59:19,677	- INFO	- Iter	510/1000,	Train Loss: 0.0212
2025-03-18	12:59:19,986	- INFO	- Iter	520/1000,	Train Loss: 0.0212
2025-03-18	12:59:20,299	- INFO	- Iter	530/1000,	Train Loss: 0.0211
2025-03-18	12:59:20,610	- INFO	- Iter	540/1000,	Train Loss: 0.0211
2025-03-18	12:59:20,924	- INFO	- Iter	550/1000,	Train Loss: 0.0211
2025-03-18	12:59:21,233	- INFO	- Iter	560/1000,	Train Loss: 0.0211
2025-03-18	12:59:21,541	- INFO	- Iter	570/1000,	Train Loss: 0.0211
2025-03-18	12:59:21,855	- INFO	- Iter	580/1000,	Train Loss: 0.0210
2025-03-18	12:59:22,181	- INFO	- Iter	590/1000,	Train Loss: 0.0210
2025-03-18	12:59:22,491	- INFO	- Iter	600/1000,	Train Loss: 0.0210
2025-03-18	12:59:22,809	- INFO	- Iter	610/1000,	Train Loss: 0.0210
2025-03-18	12:59:23,132	- INFO	- Iter	620/1000,	Train Loss: 0.0210
2025-03-18	12:59:23,439	- INFO	- Iter	630/1000,	Train Loss: 0.0209
2025-03-18	12:59:23,750	- INFO	- Iter	640/1000,	Train Loss: 0.0209
2025-03-18	12:59:24,061	- INFO	- Iter	650/1000,	Train Loss: 0.0209
2025-03-18	12:59:24,384	- INFO	- Iter	660/1000,	Train Loss: 0.0209
2025-03-18	12:59:24,696	- INFO	- Iter	670/1000,	Train Loss: 0.0209
2025-03-18	12:59:25,008	- INFO	- Iter	680/1000,	Train Loss: 0.0209
2025-03-18	12:59:25,326	- INFO	- Iter	690/1000,	Train Loss: 0.0208
2025-03-18	12:59:25,634	- INFO	- Iter	700/1000,	Train Loss: 0.0208
2025-03-18	12:59:25,941	- INFO	- Iter	710/1000,	Train Loss: 0.0208
2025-03-18	12:59:26,255	- INFO	- Iter	720/1000,	Train Loss: 0.0208
2025-03-18	12:59:26,569	- INFO	- Iter	730/1000,	Train Loss: 0.0208
2025-03-18	12:59:26,885	- INFO	- Iter	740/1000,	Train Loss: 0.0208
2025-03-18	12:59:27,202	- INFO	- Iter	750/1000,	Train Loss: 0.0208
2025-03-18	12:59:27,524	- INFO	- Iter	760/1000,	Train Loss: 0.0207
2025-03-18	12:59:27,834	- INFO	- Iter	770/1000,	Train Loss: 0.0207
2025-03-18	12:59:28,145	- INFO	- Iter	780/1000,	Train Loss: 0.0207
2025-03-18	12:59:28,454	- INFO	- Iter	790/1000,	Train Loss: 0.0207
2025-03-18	12:59:28,751	- INFO	- Iter	800/1000,	Train Loss: 0



2025-03-18	13:00:01,568	- INFO - Iter 670/10000, Loss: 0.7096
2025-03-18	13:00:01,965	- INFO - Iter 680/10000, Loss: 0.7054
2025-03-18	13:00:02,375	- INFO - Iter 690/10000, Loss: 0.7014
2025-03-18	13:00:02,806	- INFO - Iter 700/10000, Loss: 0.6974
2025-03-18	13:00:03,213	- INFO - Iter 710/10000, Loss: 0.6935
2025-03-18	13:00:03,615	- INFO - Iter 720/10000, Loss: 0.6898
2025-03-18	13:00:04,002	- INFO - Iter 730/10000, Loss: 0.6861
2025-03-18	13:00:04,395	- INFO - Iter 740/10000, Loss: 0.6825
2025-03-18	13:00:04,797	- INFO - Iter 750/10000, Loss: 0.6789
2025-03-18	13:00:05,189	- INFO - Iter 760/10000, Loss: 0.6755
2025-03-18	13:00:05,600	- INFO - Iter 770/10000, Loss: 0.6721
2025-03-18	13:00:05,992	- INFO - Iter 780/10000, Loss: 0.6688
2025-03-18	13:00:06,392	- INFO - Iter 790/10000, Loss: 0.6656
2025-03-18	13:00:06,787	- INFO - Iter 800/10000, Loss: 0.6624
2025-03-18	13:00:07,184	- INFO - Iter 810/10000, Loss: 0.6593
2025-03-18	13:00:07,584	- INFO - Iter 820/10000, Loss: 0.6563
2025-03-18	13:00:07,989	- INFO - Iter 830/10000, Loss: 0.6533
2025-03-18	13:00:08,393	- INFO - Iter 840/10000, Loss: 0.6504
2025-03-18	13:00:08,802	- INFO - Iter 850/10000, Loss: 0.6475
2025-03-18	13:00:09,193	- INFO - Iter 860/10000, Loss: 0.6447
2025-03-18	13:00:09,593	- INFO - Iter 870/10000, Loss: 0.6419
2025-03-18	13:00:10,032	- INFO - Iter 880/10000, Loss: 0.6392
2025-03-18	13:00:10,450	- INFO - Iter 890/10000, Loss: 0.6366
2025-03-18	13:00:10,844	- INFO - Iter 900/10000, Loss: 0.6340
2025-03-18	13:00:11,244	- INFO - Iter 910/10000, Loss: 0.6314
2025-03-18	13:00:11,638	- INFO - Iter 920/10000, Loss: 0.6289
2025-03-18	13:00:12,050	- INFO - Iter 930/10000, Loss: 0.6265
2025-03-18	13:00:12,451	- INFO - Iter 940/10000, Loss: 0.6240
2025-03-18	13:00:12,839	- INFO - Iter 950/10000, Loss: 0.6217
2025-03-18	13:00:13,240	- INFO - Iter 960/10000, Loss: 0.6193
2025-03-18	13:00:13,650	- INFO - Iter 970/10000, Loss: 0.6170
2025-03-18	13:00:14,054	- INFO - Iter 980/10000, Loss: 0.6148
2025-03-18	13:00:14,558	- INFO - Iter 990/10000, Loss: 0.6126
2025-03-18	13:00:14,987	- INFO - Iter 1000/10000, Loss: 0.6104
2025-03-18	13:00:15,394	- INFO - Iter 1010/10000, Loss: 0.6082
2025-03-18	13:00:15,793	- INFO - Iter 1020/10000, Loss: 0.6061
2025-03-18	13:00:16,194	- INFO - Iter 1030/10000, Loss: 0.6040
2025-03-18	13:00:16,590	- INFO - Iter 1040/10000, Loss: 0.6020
2025-03-18	13:00:16,986	- INFO - Iter 1050/10000, Loss: 0.6000
2025-03-18	13:00:17,387	- INFO - Iter 1060/10000, Loss: 0.5980
2025-03-18	13:00:17,783	- INFO - Iter 1070/10000, Loss: 0.5961
2025-03-18	13:00:18,183	- INFO - Iter 1080/10000, Loss: 0.5941
2025-03-18	13:00:18,575	- INFO - Iter 1090/10000, Loss: 0.5923
2025-03-18	13:00:18,971	- INFO - Iter 1100/10000, Loss: 0.5904
2025-03-18	13:00:19,369	- INFO - Iter 1110/10000, Loss: 0.5886
2025-03-18	13:00:19,778	- INFO - Iter 1120/10000, Loss: 0.5868
2025-03-18	13:00:20,195	- INFO - Iter 1130/10000, Loss: 0.5850
2025-03-18	13:00:20,614	- INFO - Iter 1140/10000, Loss: 0.5832
2025-03-18	13:00:21,020	- INFO - Iter 1150/10000, Loss: 0.5815
2025-03-18	13:00:21,419	- INFO - Iter 1160/10000, Loss: 0.5798
2025-03-18	13:00:21,826	- INFO - Iter 1170/10000, Loss: 0.5781
2025-03-18	13:00:22,232	- INFO - Iter 1180/10000, Loss: 0.5765
2025-03-18	13:00:22,639	- INFO - Iter 1190/10000, Loss: 0.5748
2025-03-18	13:00:23,026	- INFO - Iter 1200/10000, Loss: 0.5732
2025-03-18	13:00:23,427	- INFO - Iter 1210/10000, Loss: 0.5716
2025-03-18	13:00:23,827	- INFO - Iter 1220/10000, Loss: 0.5701
2025-03-18	13:00:24,226	- INFO - Iter 1230/10000, Loss: 0.5685
2025-03-18	13:00:24,622	- INFO - Iter 1240/10000, Loss: 0.5670
2025-03-18	13:00:25,024	- INFO - Iter 1250/10000, Loss: 0.5655
2025-03-18	13:00:25,449	- INFO - Iter 1260/10000, Loss: 0.5640
2025-03-18	13:00:25,859	- INFO - Iter 1270/10000, Loss: 0.5626
2025-03-18	13:00:26,274	- INFO - Iter 1280/10000, Loss: 0.5611
2025-03-18	13:00:26,691	- INFO - Iter 1290/10000, Loss: 0.5597
2025-03-18	13:00:27,104	- INFO - Iter 1300/10000, Loss: 0.5583
2025-03-18	13:00:27,504	- INFO - Iter 1310/10000, Loss: 0.5569
2025-03-18	13:00:27,896	- INFO - Iter 1320/10000, Loss: 0.5555
2025-03-18	13:00:28,292	- INFO - Iter 1330/10000, Loss: 0.5542
2025-03-18	13:00:28,693	- INFO - Iter 1340/10000, Loss: 0.5528
2025-03-18	13:00:29,110	- INFO - Iter 1350/10000, Loss: 0.5515
2025-03-18	13:00:29,508	- INFO - Iter 1360/10000, Loss: 0.5502
2025-03-18	13:00:29,907	- INFO - Iter 1370/10000, Loss: 0.5489
2025-03-18	13:00:30,306	- INFO - Iter 1380/10000, Loss: 0.5476

2025-03-18	13:00:30,179	- INFO - Iter 1390/10000, Loss: 0.5464
2025-03-18	13:00:31,124	- INFO - Iter 1400/10000, Loss: 0.5451
2025-03-18	13:00:31,520	- INFO - Iter 1410/10000, Loss: 0.5439
2025-03-18	13:00:31,917	- INFO - Iter 1420/10000, Loss: 0.5427
2025-03-18	13:00:32,312	- INFO - Iter 1430/10000, Loss: 0.5415
2025-03-18	13:00:32,707	- INFO - Iter 1440/10000, Loss: 0.5403
2025-03-18	13:00:33,111	- INFO - Iter 1450/10000, Loss: 0.5391
2025-03-18	13:00:33,545	- INFO - Iter 1460/10000, Loss: 0.5380
2025-03-18	13:00:33,957	- INFO - Iter 1470/10000, Loss: 0.5368
2025-03-18	13:00:34,366	- INFO - Iter 1480/10000, Loss: 0.5357
2025-03-18	13:00:34,773	- INFO - Iter 1490/10000, Loss: 0.5345
2025-03-18	13:00:35,189	- INFO - Iter 1500/10000, Loss: 0.5334
2025-03-18	13:00:35,604	- INFO - Iter 1510/10000, Loss: 0.5323
2025-03-18	13:00:36,006	- INFO - Iter 1520/10000, Loss: 0.5313
2025-03-18	13:00:36,412	- INFO - Iter 1530/10000, Loss: 0.5302
2025-03-18	13:00:36,811	- INFO - Iter 1540/10000, Loss: 0.5291
2025-03-18	13:00:37,205	- INFO - Iter 1550/10000, Loss: 0.5281
2025-03-18	13:00:37,605	- INFO - Iter 1560/10000, Loss: 0.5270
2025-03-18	13:00:38,019	- INFO - Iter 1570/10000, Loss: 0.5260
2025-03-18	13:00:38,424	- INFO - Iter 1580/10000, Loss: 0.5250
2025-03-18	13:00:38,826	- INFO - Iter 1590/10000, Loss: 0.5240
2025-03-18	13:00:39,227	- INFO - Iter 1600/10000, Loss: 0.5230
2025-03-18	13:00:39,624	- INFO - Iter 1610/10000, Loss: 0.5220
2025-03-18	13:00:40,027	- INFO - Iter 1620/10000, Loss: 0.5210
2025-03-18	13:00:40,438	- INFO - Iter 1630/10000, Loss: 0.5200
2025-03-18	13:00:40,842	- INFO - Iter 1640/10000, Loss: 0.5191
2025-03-18	13:00:41,244	- INFO - Iter 1650/10000, Loss: 0.5181
2025-03-18	13:00:41,654	- INFO - Iter 1660/10000, Loss: 0.5172
2025-03-18	13:00:42,053	- INFO - Iter 1670/10000, Loss: 0.5163
2025-03-18	13:00:42,452	- INFO - Iter 1680/10000, Loss: 0.5154
2025-03-18	13:00:42,854	- INFO - Iter 1690/10000, Loss: 0.5144
2025-03-18	13:00:43,263	- INFO - Iter 1700/10000, Loss: 0.5135
2025-03-18	13:00:43,671	- INFO - Iter 1710/10000, Loss: 0.5126
2025-03-18	13:00:44,076	- INFO - Iter 1720/10000, Loss: 0.5118
2025-03-18	13:00:44,492	- INFO - Iter 1730/10000, Loss: 0.5109
2025-03-18	13:00:44,901	- INFO - Iter 1740/10000, Loss: 0.5100
2025-03-18	13:00:45,340	- INFO - Iter 1750/10000, Loss: 0.5092
2025-03-18	13:00:45,742	- INFO - Iter 1760/10000, Loss: 0.5083
2025-03-18	13:00:46,148	- INFO - Iter 1770/10000, Loss: 0.5075
2025-03-18	13:00:46,543	- INFO - Iter 1780/10000, Loss: 0.5066
2025-03-18	13:00:46,940	- INFO - Iter 1790/10000, Loss: 0.5058
2025-03-18	13:00:47,337	- INFO - Iter 1800/10000, Loss: 0.5050
2025-03-18	13:00:47,745	- INFO - Iter 1810/10000, Loss: 0.5042
2025-03-18	13:00:48,151	- INFO - Iter 1820/10000, Loss: 0.5034
2025-03-18	13:00:48,550	- INFO - Iter 1830/10000, Loss: 0.5026
2025-03-18	13:00:48,942	- INFO - Iter 1840/10000, Loss: 0.5018
2025-03-18	13:00:49,338	- INFO - Iter 1850/10000, Loss: 0.5010
2025-03-18	13:00:49,730	- INFO - Iter 1860/10000, Loss: 0.5002
2025-03-18	13:00:50,125	- INFO - Iter 1870/10000, Loss: 0.4994
2025-03-18	13:00:50,520	- INFO - Iter 1880/10000, Loss: 0.4987
2025-03-18	13:00:50,909	- INFO - Iter 1890/10000, Loss: 0.4979
2025-03-18	13:00:51,301	- INFO - Iter 1900/10000, Loss: 0.4972
2025-03-18	13:00:51,690	- INFO - Iter 1910/10000, Loss: 0.4964
2025-03-18	13:00:52,083	- INFO - Iter 1920/10000, Loss: 0.4957
2025-03-18	13:00:52,490	- INFO - Iter 1930/10000, Loss: 0.4949
2025-03-18	13:00:52,890	- INFO - Iter 1940/10000, Loss: 0.4942
2025-03-18	13:00:53,288	- INFO - Iter 1950/10000, Loss: 0.4935
2025-03-18	13:00:53,686	- INFO - Iter 1960/10000, Loss: 0.4928
2025-03-18	13:00:54,081	- INFO - Iter 1970/10000, Loss: 0.4921
2025-03-18	13:00:54,518	- INFO - Iter 1980/10000, Loss: 0.4914
2025-03-18	13:00:54,921	- INFO - Iter 1990/10000, Loss: 0.4907
2025-03-18	13:00:55,325	- INFO - Iter 2000/10000, Loss: 0.4900
2025-03-18	13:00:55,719	- INFO - Iter 2010/10000, Loss: 0.4893
2025-03-18	13:00:56,122	- INFO - Iter 2020/10000, Loss: 0.4886
2025-03-18	13:00:56,521	- INFO - Iter 2030/10000, Loss: 0.4879
2025-03-18	13:00:56,915	- INFO - Iter 2040/10000, Loss: 0.4873
2025-03-18	13:00:57,322	- INFO - Iter 2050/10000, Loss: 0.4866
2025-03-18	13:00:57,732	- INFO - Iter 2060/10000, Loss: 0.4860
2025-03-18	13:00:58,145	- INFO - Iter 2070/10000, Loss: 0.4853
2025-03-18	13:00:58,549	- INFO - Iter 2080/10000, Loss: 0.4847
2025-03-18	13:00:58,951	- INFO - Iter 2090/10000, Loss: 0.4840
2025-03-18	13:00:59,354	- INFO - Iter 2100/10000, Loss: 0.4834



2025-03-18	13:00:59,154	- INFO - Iter 2110/10000, Loss: 0.4827
2025-03-18	13:01:00,159	- INFO - Iter 2120/10000, Loss: 0.4821
2025-03-18	13:01:00,570	- INFO - Iter 2130/10000, Loss: 0.4815
2025-03-18	13:01:00,971	- INFO - Iter 2140/10000, Loss: 0.4809
2025-03-18	13:01:01,373	- INFO - Iter 2150/10000, Loss: 0.4803
2025-03-18	13:01:01,785	- INFO - Iter 2160/10000, Loss: 0.4796
2025-03-18	13:01:02,182	- INFO - Iter 2170/10000, Loss: 0.4790
2025-03-18	13:01:02,586	- INFO - Iter 2180/10000, Loss: 0.4784
2025-03-18	13:01:02,989	- INFO - Iter 2190/10000, Loss: 0.4779
2025-03-18	13:01:03,402	- INFO - Iter 2200/10000, Loss: 0.4773
2025-03-18	13:01:03,803	- INFO - Iter 2210/10000, Loss: 0.4767
2025-03-18	13:01:04,216	- INFO - Iter 2220/10000, Loss: 0.4761
2025-03-18	13:01:04,644	- INFO - Iter 2230/10000, Loss: 0.4755
2025-03-18	13:01:05,067	- INFO - Iter 2240/10000, Loss: 0.4749
2025-03-18	13:01:05,471	- INFO - Iter 2250/10000, Loss: 0.4744
2025-03-18	13:01:05,886	- INFO - Iter 2260/10000, Loss: 0.4738
2025-03-18	13:01:06,294	- INFO - Iter 2270/10000, Loss: 0.4732
2025-03-18	13:01:06,702	- INFO - Iter 2280/10000, Loss: 0.4727
2025-03-18	13:01:07,112	- INFO - Iter 2290/10000, Loss: 0.4721
2025-03-18	13:01:07,521	- INFO - Iter 2300/10000, Loss: 0.4716
2025-03-18	13:01:07,923	- INFO - Iter 2310/10000, Loss: 0.4710
2025-03-18	13:01:08,332	- INFO - Iter 2320/10000, Loss: 0.4705
2025-03-18	13:01:08,744	- INFO - Iter 2330/10000, Loss: 0.4700
2025-03-18	13:01:09,187	- INFO - Iter 2340/10000, Loss: 0.4694
2025-03-18	13:01:09,635	- INFO - Iter 2350/10000, Loss: 0.4689
2025-03-18	13:01:10,072	- INFO - Iter 2360/10000, Loss: 0.4684
2025-03-18	13:01:10,515	- INFO - Iter 2370/10000, Loss: 0.4678
2025-03-18	13:01:10,949	- INFO - Iter 2380/10000, Loss: 0.4673
2025-03-18	13:01:11,398	- INFO - Iter 2390/10000, Loss: 0.4668
2025-03-18	13:01:11,838	- INFO - Iter 2400/10000, Loss: 0.4663
2025-03-18	13:01:12,274	- INFO - Iter 2410/10000, Loss: 0.4658
2025-03-18	13:01:12,707	- INFO - Iter 2420/10000, Loss: 0.4653
2025-03-18	13:01:13,145	- INFO - Iter 2430/10000, Loss: 0.4648
2025-03-18	13:01:13,584	- INFO - Iter 2440/10000, Loss: 0.4643
2025-03-18	13:01:14,027	- INFO - Iter 2450/10000, Loss: 0.4638
2025-03-18	13:01:14,460	- INFO - Iter 2460/10000, Loss: 0.4633
2025-03-18	13:01:14,919	- INFO - Iter 2470/10000, Loss: 0.4628
2025-03-18	13:01:15,372	- INFO - Iter 2480/10000, Loss: 0.4623
2025-03-18	13:01:15,806	- INFO - Iter 2490/10000, Loss: 0.4618
2025-03-18	13:01:16,249	- INFO - Iter 2500/10000, Loss: 0.4613
2025-03-18	13:01:16,686	- INFO - Iter 2510/10000, Loss: 0.4609
2025-03-18	13:01:17,118	- INFO - Iter 2520/10000, Loss: 0.4604
2025-03-18	13:01:17,563	- INFO - Iter 2530/10000, Loss: 0.4599
2025-03-18	13:01:18,001	- INFO - Iter 2540/10000, Loss: 0.4595
2025-03-18	13:01:18,446	- INFO - Iter 2550/10000, Loss: 0.4590
2025-03-18	13:01:18,881	- INFO - Iter 2560/10000, Loss: 0.4585
2025-03-18	13:01:19,331	- INFO - Iter 2570/10000, Loss: 0.4581
2025-03-18	13:01:19,766	- INFO - Iter 2580/10000, Loss: 0.4576
2025-03-18	13:01:20,203	- INFO - Iter 2590/10000, Loss: 0.4572
2025-03-18	13:01:20,635	- INFO - Iter 2600/10000, Loss: 0.4567
2025-03-18	13:01:21,066	- INFO - Iter 2610/10000, Loss: 0.4563
2025-03-18	13:01:21,508	- INFO - Iter 2620/10000, Loss: 0.4558
2025-03-18	13:01:21,943	- INFO - Iter 2630/10000, Loss: 0.4554
2025-03-18	13:01:22,393	- INFO - Iter 2640/10000, Loss: 0.4549
2025-03-18	13:01:22,829	- INFO - Iter 2650/10000, Loss: 0.4545
2025-03-18	13:01:23,263	- INFO - Iter 2660/10000, Loss: 0.4541
2025-03-18	13:01:23,719	- INFO - Iter 2670/10000, Loss: 0.4536
2025-03-18	13:01:24,156	- INFO - Iter 2680/10000, Loss: 0.4532
2025-03-18	13:01:24,595	- INFO - Iter 2690/10000, Loss: 0.4528
2025-03-18	13:01:25,065	- INFO - Iter 2700/10000, Loss: 0.4524
2025-03-18	13:01:25,500	- INFO - Iter 2710/10000, Loss: 0.4519
2025-03-18	13:01:25,932	- INFO - Iter 2720/10000, Loss: 0.4515
2025-03-18	13:01:26,386	- INFO - Iter 2730/10000, Loss: 0.4511
2025-03-18	13:01:26,819	- INFO - Iter 2740/10000, Loss: 0.4507
2025-03-18	13:01:27,252	- INFO - Iter 2750/10000, Loss: 0.4503
2025-03-18	13:01:27,706	- INFO - Iter 2760/10000, Loss: 0.4499
2025-03-18	13:01:28,145	- INFO - Iter 2770/10000, Loss: 0.4495
2025-03-18	13:01:28,579	- INFO - Iter 2780/10000, Loss: 0.4490
2025-03-18	13:01:29,010	- INFO - Iter 2790/10000, Loss: 0.4486
2025-03-18	13:01:29,469	- INFO - Iter 2800/10000, Loss: 0.4482
2025-03-18	13:01:29,906	- INFO - Iter 2810/10000, Loss: 0.4478
2025-03-18	13:01:30,326	- INFO - Iter 2820/10000, Loss: 0.4475

2025-03-18	13:01:30,178	-	INFO	-	Iter	2830/10000,	Loss:	0.4471
2025-03-18	13:01:31,196	-	INFO	-	Iter	2840/10000,	Loss:	0.4467
2025-03-18	13:01:31,621	-	INFO	-	Iter	2850/10000,	Loss:	0.4463
2025-03-18	13:01:32,052	-	INFO	-	Iter	2860/10000,	Loss:	0.4459
2025-03-18	13:01:32,500	-	INFO	-	Iter	2870/10000,	Loss:	0.4455
2025-03-18	13:01:32,919	-	INFO	-	Iter	2880/10000,	Loss:	0.4451
2025-03-18	13:01:33,340	-	INFO	-	Iter	2890/10000,	Loss:	0.4447
2025-03-18	13:01:33,758	-	INFO	-	Iter	2900/10000,	Loss:	0.4444
2025-03-18	13:01:34,208	-	INFO	-	Iter	2910/10000,	Loss:	0.4440
2025-03-18	13:01:34,627	-	INFO	-	Iter	2920/10000,	Loss:	0.4436
2025-03-18	13:01:35,039	-	INFO	-	Iter	2930/10000,	Loss:	0.4432
2025-03-18	13:01:35,465	-	INFO	-	Iter	2940/10000,	Loss:	0.4429
2025-03-18	13:01:35,922	-	INFO	-	Iter	2950/10000,	Loss:	0.4425
2025-03-18	13:01:36,360	-	INFO	-	Iter	2960/10000,	Loss:	0.4421
2025-03-18	13:01:36,787	-	INFO	-	Iter	2970/10000,	Loss:	0.4418
2025-03-18	13:01:37,247	-	INFO	-	Iter	2980/10000,	Loss:	0.4414
2025-03-18	13:01:37,681	-	INFO	-	Iter	2990/10000,	Loss:	0.4411
2025-03-18	13:01:38,107	-	INFO	-	Iter	3000/10000,	Loss:	0.4407
2025-03-18	13:01:38,541	-	INFO	-	Iter	3010/10000,	Loss:	0.4403
2025-03-18	13:01:38,966	-	INFO	-	Iter	3020/10000,	Loss:	0.4400
2025-03-18	13:01:39,392	-	INFO	-	Iter	3030/10000,	Loss:	0.4396
2025-03-18	13:01:39,824	-	INFO	-	Iter	3040/10000,	Loss:	0.4393
2025-03-18	13:01:40,257	-	INFO	-	Iter	3050/10000,	Loss:	0.4389
2025-03-18	13:01:40,674	-	INFO	-	Iter	3060/10000,	Loss:	0.4386
2025-03-18	13:01:41,085	-	INFO	-	Iter	3070/10000,	Loss:	0.4382
2025-03-18	13:01:41,498	-	INFO	-	Iter	3080/10000,	Loss:	0.4379
2025-03-18	13:01:41,922	-	INFO	-	Iter	3090/10000,	Loss:	0.4376
2025-03-18	13:01:42,342	-	INFO	-	Iter	3100/10000,	Loss:	0.4372
2025-03-18	13:01:42,753	-	INFO	-	Iter	3110/10000,	Loss:	0.4369
2025-03-18	13:01:43,164	-	INFO	-	Iter	3120/10000,	Loss:	0.4366
2025-03-18	13:01:43,584	-	INFO	-	Iter	3130/10000,	Loss:	0.4362
2025-03-18	13:01:44,004	-	INFO	-	Iter	3140/10000,	Loss:	0.4359
2025-03-18	13:01:44,427	-	INFO	-	Iter	3150/10000,	Loss:	0.4356
2025-03-18	13:01:44,861	-	INFO	-	Iter	3160/10000,	Loss:	0.4352
2025-03-18	13:01:45,310	-	INFO	-	Iter	3170/10000,	Loss:	0.4349
2025-03-18	13:01:45,747	-	INFO	-	Iter	3180/10000,	Loss:	0.4346
2025-03-18	13:01:46,155	-	INFO	-	Iter	3190/10000,	Loss:	0.4342
2025-03-18	13:01:46,561	-	INFO	-	Iter	3200/10000,	Loss:	0.4339
2025-03-18	13:01:46,993	-	INFO	-	Iter	3210/10000,	Loss:	0.4336
2025-03-18	13:01:47,406	-	INFO	-	Iter	3220/10000,	Loss:	0.4333
2025-03-18	13:01:47,810	-	INFO	-	Iter	3230/10000,	Loss:	0.4330
2025-03-18	13:01:48,208	-	INFO	-	Iter	3240/10000,	Loss:	0.4326
2025-03-18	13:01:48,608	-	INFO	-	Iter	3250/10000,	Loss:	0.4323
2025-03-18	13:01:49,015	-	INFO	-	Iter	3260/10000,	Loss:	0.4320
2025-03-18	13:01:49,421	-	INFO	-	Iter	3270/10000,	Loss:	0.4317
2025-03-18	13:01:49,833	-	INFO	-	Iter	3280/10000,	Loss:	0.4314
2025-03-18	13:01:50,242	-	INFO	-	Iter	3290/10000,	Loss:	0.4311
2025-03-18	13:01:50,646	-	INFO	-	Iter	3300/10000,	Loss:	0.4308
2025-03-18	13:01:51,054	-	INFO	-	Iter	3310/10000,	Loss:	0.4305
2025-03-18	13:01:51,489	-	INFO	-	Iter	3320/10000,	Loss:	0.4302
2025-03-18	13:01:51,904	-	INFO	-	Iter	3330/10000,	Loss:	0.4299
2025-03-18	13:01:52,326	-	INFO	-	Iter	3340/10000,	Loss:	0.4296
2025-03-18	13:01:52,746	-	INFO	-	Iter	3350/10000,	Loss:	0.4293
2025-03-18	13:01:53,177	-	INFO	-	Iter	3360/10000,	Loss:	0.4290
2025-03-18	13:01:53,592	-	INFO	-	Iter	3370/10000,	Loss:	0.4287
2025-03-18	13:01:53,997	-	INFO	-	Iter	3380/10000,	Loss:	0.4284
2025-03-18	13:01:54,404	-	INFO	-	Iter	3390/10000,	Loss:	0.4281
2025-03-18	13:01:54,808	-	INFO	-	Iter	3400/10000,	Loss:	0.4278
2025-03-18	13:01:55,241	-	INFO	-	Iter	3410/10000,	Loss:	0.4275
2025-03-18	13:01:55,658	-	INFO	-	Iter	3420/10000,	Loss:	0.4272
2025-03-18	13:01:56,065	-	INFO	-	Iter	3430/10000,	Loss:	0.4269
2025-03-18	13:01:56,473	-	INFO	-	Iter	3440/10000,	Loss:	0.4266
2025-03-18	13:01:56,885	-	INFO	-	Iter	3450/10000,	Loss:	0.4263
2025-03-18	13:01:57,294	-	INFO	-	Iter	3460/10000,	Loss:	0.4261
2025-03-18	13:01:57,697	-	INFO	-	Iter	3470/10000,	Loss:	0.4258
2025-03-18	13:01:58,104	-	INFO	-	Iter	3480/10000,	Loss:	0.4255
2025-03-18	13:01:58,512	-	INFO	-	Iter	3490/10000,	Loss:	0.4252
2025-03-18	13:01:58,923	-	INFO	-	Iter	3500/10000,	Loss:	0.4249
2025-03-18	13:01:59,335	-	INFO	-	Iter	3510/10000,	Loss:	0.4247
2025-03-18	13:01:59,747	-	INFO	-	Iter	3520/10000,	Loss:	0.4244
2025-03-18	13:02:00,163	-	INFO	-	Iter	3530/10000,	Loss:	0.4241
2025-03-18	13:02:00,571	-	INFO	-	Iter	3540/10000,	Loss:	0.4238

2025-03-18	13:02:00,986	- INFO - Iter 3550/10000, Loss: 0.4235
2025-03-18	13:02:01,397	- INFO - Iter 3560/10000, Loss: 0.4233
2025-03-18	13:02:01,811	- INFO - Iter 3570/10000, Loss: 0.4230
2025-03-18	13:02:02,215	- INFO - Iter 3580/10000, Loss: 0.4227
2025-03-18	13:02:02,619	- INFO - Iter 3590/10000, Loss: 0.4225
2025-03-18	13:02:03,039	- INFO - Iter 3600/10000, Loss: 0.4222
2025-03-18	13:02:03,447	- INFO - Iter 3610/10000, Loss: 0.4219
2025-03-18	13:02:03,858	- INFO - Iter 3620/10000, Loss: 0.4217
2025-03-18	13:02:04,269	- INFO - Iter 3630/10000, Loss: 0.4214
2025-03-18	13:02:04,682	- INFO - Iter 3640/10000, Loss: 0.4211
2025-03-18	13:02:05,094	- INFO - Iter 3650/10000, Loss: 0.4209
2025-03-18	13:02:05,512	- INFO - Iter 3660/10000, Loss: 0.4206
2025-03-18	13:02:05,931	- INFO - Iter 3670/10000, Loss: 0.4204
2025-03-18	13:02:06,347	- INFO - Iter 3680/10000, Loss: 0.4201
2025-03-18	13:02:06,761	- INFO - Iter 3690/10000, Loss: 0.4198
2025-03-18	13:02:07,190	- INFO - Iter 3700/10000, Loss: 0.4196
2025-03-18	13:02:07,611	- INFO - Iter 3710/10000, Loss: 0.4193
2025-03-18	13:02:08,011	- INFO - Iter 3720/10000, Loss: 0.4191
2025-03-18	13:02:08,446	- INFO - Iter 3730/10000, Loss: 0.4188
2025-03-18	13:02:08,862	- INFO - Iter 3740/10000, Loss: 0.4186
2025-03-18	13:02:09,280	- INFO - Iter 3750/10000, Loss: 0.4183
2025-03-18	13:02:09,709	- INFO - Iter 3760/10000, Loss: 0.4181
2025-03-18	13:02:10,118	- INFO - Iter 3770/10000, Loss: 0.4178
2025-03-18	13:02:10,543	- INFO - Iter 3780/10000, Loss: 0.4176
2025-03-18	13:02:10,956	- INFO - Iter 3790/10000, Loss: 0.4173
2025-03-18	13:02:11,389	- INFO - Iter 3800/10000, Loss: 0.4171
2025-03-18	13:02:11,803	- INFO - Iter 3810/10000, Loss: 0.4168
2025-03-18	13:02:12,217	- INFO - Iter 3820/10000, Loss: 0.4166
2025-03-18	13:02:12,620	- INFO - Iter 3830/10000, Loss: 0.4163
2025-03-18	13:02:13,026	- INFO - Iter 3840/10000, Loss: 0.4161
2025-03-18	13:02:13,433	- INFO - Iter 3850/10000, Loss: 0.4159
2025-03-18	13:02:13,838	- INFO - Iter 3860/10000, Loss: 0.4156
2025-03-18	13:02:14,239	- INFO - Iter 3870/10000, Loss: 0.4154
2025-03-18	13:02:14,638	- INFO - Iter 3880/10000, Loss: 0.4152
2025-03-18	13:02:15,040	- INFO - Iter 3890/10000, Loss: 0.4149
2025-03-18	13:02:15,454	- INFO - Iter 3900/10000, Loss: 0.4147
2025-03-18	13:02:15,867	- INFO - Iter 3910/10000, Loss: 0.4144
2025-03-18	13:02:16,281	- INFO - Iter 3920/10000, Loss: 0.4142
2025-03-18	13:02:16,684	- INFO - Iter 3930/10000, Loss: 0.4140
2025-03-18	13:02:17,092	- INFO - Iter 3940/10000, Loss: 0.4137
2025-03-18	13:02:17,500	- INFO - Iter 3950/10000, Loss: 0.4135
2025-03-18	13:02:17,911	- INFO - Iter 3960/10000, Loss: 0.4133
2025-03-18	13:02:18,320	- INFO - Iter 3970/10000, Loss: 0.4131
2025-03-18	13:02:18,734	- INFO - Iter 3980/10000, Loss: 0.4128
2025-03-18	13:02:19,151	- INFO - Iter 3990/10000, Loss: 0.4126
2025-03-18	13:02:19,557	- INFO - Iter 4000/10000, Loss: 0.4124
2025-03-18	13:02:19,964	- INFO - Iter 4010/10000, Loss: 0.4121
2025-03-18	13:02:20,367	- INFO - Iter 4020/10000, Loss: 0.4119
2025-03-18	13:02:20,772	- INFO - Iter 4030/10000, Loss: 0.4117
2025-03-18	13:02:21,179	- INFO - Iter 4040/10000, Loss: 0.4115
2025-03-18	13:02:21,592	- INFO - Iter 4050/10000, Loss: 0.4113
2025-03-18	13:02:22,006	- INFO - Iter 4060/10000, Loss: 0.4110
2025-03-18	13:02:22,424	- INFO - Iter 4070/10000, Loss: 0.4108
2025-03-18	13:02:22,833	- INFO - Iter 4080/10000, Loss: 0.4106
2025-03-18	13:02:23,244	- INFO - Iter 4090/10000, Loss: 0.4104
2025-03-18	13:02:23,665	- INFO - Iter 4100/10000, Loss: 0.4102
2025-03-18	13:02:24,085	- INFO - Iter 4110/10000, Loss: 0.4099
2025-03-18	13:02:24,494	- INFO - Iter 4120/10000, Loss: 0.4097
2025-03-18	13:02:24,903	- INFO - Iter 4130/10000, Loss: 0.4095
2025-03-18	13:02:25,318	- INFO - Iter 4140/10000, Loss: 0.4093
2025-03-18	13:02:25,748	- INFO - Iter 4150/10000, Loss: 0.4091
2025-03-18	13:02:26,164	- INFO - Iter 4160/10000, Loss: 0.4089
2025-03-18	13:02:26,573	- INFO - Iter 4170/10000, Loss: 0.4086
2025-03-18	13:02:26,970	- INFO - Iter 4180/10000, Loss: 0.4084
2025-03-18	13:02:27,374	- INFO - Iter 4190/10000, Loss: 0.4082
2025-03-18	13:02:27,772	- INFO - Iter 4200/10000, Loss: 0.4080
2025-03-18	13:02:28,175	- INFO - Iter 4210/10000, Loss: 0.4078
2025-03-18	13:02:28,578	- INFO - Iter 4220/10000, Loss: 0.4076
2025-03-18	13:02:28,978	- INFO - Iter 4230/10000, Loss: 0.4074
2025-03-18	13:02:29,389	- INFO - Iter 4240/10000, Loss: 0.4072
2025-03-18	13:02:29,796	- INFO - Iter 4250/10000, Loss: 0.4070
2025-03-18	13:02:30,216	- INFO - Iter 4260/10000, Loss: 0.4068

2025-03-18	13:02:30,620	- INFO - Iter 4270/10000, Loss: 0.4066
2025-03-18	13:02:31,043	- INFO - Iter 4280/10000, Loss: 0.4064
2025-03-18	13:02:31,463	- INFO - Iter 4290/10000, Loss: 0.4062
2025-03-18	13:02:31,866	- INFO - Iter 4300/10000, Loss: 0.4060
2025-03-18	13:02:32,273	- INFO - Iter 4310/10000, Loss: 0.4058
2025-03-18	13:02:32,684	- INFO - Iter 4320/10000, Loss: 0.4056
2025-03-18	13:02:33,087	- INFO - Iter 4330/10000, Loss: 0.4054
2025-03-18	13:02:33,486	- INFO - Iter 4340/10000, Loss: 0.4052
2025-03-18	13:02:33,886	- INFO - Iter 4350/10000, Loss: 0.4050
2025-03-18	13:02:34,285	- INFO - Iter 4360/10000, Loss: 0.4048
2025-03-18	13:02:34,682	- INFO - Iter 4370/10000, Loss: 0.4046
2025-03-18	13:02:35,103	- INFO - Iter 4380/10000, Loss: 0.4044
2025-03-18	13:02:35,526	- INFO - Iter 4390/10000, Loss: 0.4042
2025-03-18	13:02:35,934	- INFO - Iter 4400/10000, Loss: 0.4040
2025-03-18	13:02:36,348	- INFO - Iter 4410/10000, Loss: 0.4038
2025-03-18	13:02:36,757	- INFO - Iter 4420/10000, Loss: 0.4036
2025-03-18	13:02:37,167	- INFO - Iter 4430/10000, Loss: 0.4034
2025-03-18	13:02:37,574	- INFO - Iter 4440/10000, Loss: 0.4032
2025-03-18	13:02:37,987	- INFO - Iter 4450/10000, Loss: 0.4030
2025-03-18	13:02:38,398	- INFO - Iter 4460/10000, Loss: 0.4028
2025-03-18	13:02:38,803	- INFO - Iter 4470/10000, Loss: 0.4026
2025-03-18	13:02:39,209	- INFO - Iter 4480/10000, Loss: 0.4024
2025-03-18	13:02:39,623	- INFO - Iter 4490/10000, Loss: 0.4023
2025-03-18	13:02:40,041	- INFO - Iter 4500/10000, Loss: 0.4021
2025-03-18	13:02:40,451	- INFO - Iter 4510/10000, Loss: 0.4019
2025-03-18	13:02:40,859	- INFO - Iter 4520/10000, Loss: 0.4017
2025-03-18	13:02:41,271	- INFO - Iter 4530/10000, Loss: 0.4015
2025-03-18	13:02:41,697	- INFO - Iter 4540/10000, Loss: 0.4013
2025-03-18	13:02:42,103	- INFO - Iter 4550/10000, Loss: 0.4011
2025-03-18	13:02:42,515	- INFO - Iter 4560/10000, Loss: 0.4009
2025-03-18	13:02:42,920	- INFO - Iter 4570/10000, Loss: 0.4008
2025-03-18	13:02:43,331	- INFO - Iter 4580/10000, Loss: 0.4006
2025-03-18	13:02:43,750	- INFO - Iter 4590/10000, Loss: 0.4004
2025-03-18	13:02:44,155	- INFO - Iter 4600/10000, Loss: 0.4002
2025-03-18	13:02:44,591	- INFO - Iter 4610/10000, Loss: 0.4000
2025-03-18	13:02:45,002	- INFO - Iter 4620/10000, Loss: 0.3999
2025-03-18	13:02:45,409	- INFO - Iter 4630/10000, Loss: 0.3997
2025-03-18	13:02:45,810	- INFO - Iter 4640/10000, Loss: 0.3995
2025-03-18	13:02:46,211	- INFO - Iter 4650/10000, Loss: 0.3993
2025-03-18	13:02:46,633	- INFO - Iter 4660/10000, Loss: 0.3991
2025-03-18	13:02:47,045	- INFO - Iter 4670/10000, Loss: 0.3990
2025-03-18	13:02:47,467	- INFO - Iter 4680/10000, Loss: 0.3988
2025-03-18	13:02:47,881	- INFO - Iter 4690/10000, Loss: 0.3986
2025-03-18	13:02:48,310	- INFO - Iter 4700/10000, Loss: 0.3984
2025-03-18	13:02:48,716	- INFO - Iter 4710/10000, Loss: 0.3983
2025-03-18	13:02:49,121	- INFO - Iter 4720/10000, Loss: 0.3981
2025-03-18	13:02:49,524	- INFO - Iter 4730/10000, Loss: 0.3979
2025-03-18	13:02:49,924	- INFO - Iter 4740/10000, Loss: 0.3977
2025-03-18	13:02:50,329	- INFO - Iter 4750/10000, Loss: 0.3976
2025-03-18	13:02:50,725	- INFO - Iter 4760/10000, Loss: 0.3974
2025-03-18	13:02:51,129	- INFO - Iter 4770/10000, Loss: 0.3972
2025-03-18	13:02:51,542	- INFO - Iter 4780/10000, Loss: 0.3970
2025-03-18	13:02:51,952	- INFO - Iter 4790/10000, Loss: 0.3969
2025-03-18	13:02:52,382	- INFO - Iter 4800/10000, Loss: 0.3967
2025-03-18	13:02:52,802	- INFO - Iter 4810/10000, Loss: 0.3965
2025-03-18	13:02:53,205	- INFO - Iter 4820/10000, Loss: 0.3964
2025-03-18	13:02:53,615	- INFO - Iter 4830/10000, Loss: 0.3962
2025-03-18	13:02:54,022	- INFO - Iter 4840/10000, Loss: 0.3960
2025-03-18	13:02:54,428	- INFO - Iter 4850/10000, Loss: 0.3959
2025-03-18	13:02:54,833	- INFO - Iter 4860/10000, Loss: 0.3957
2025-03-18	13:02:55,244	- INFO - Iter 4870/10000, Loss: 0.3955
2025-03-18	13:02:55,654	- INFO - Iter 4880/10000, Loss: 0.3954
2025-03-18	13:02:56,077	- INFO - Iter 4890/10000, Loss: 0.3952
2025-03-18	13:02:56,493	- INFO - Iter 4900/10000, Loss: 0.3950
2025-03-18	13:02:56,906	- INFO - Iter 4910/10000, Loss: 0.3949
2025-03-18	13:02:57,330	- INFO - Iter 4920/10000, Loss: 0.3947
2025-03-18	13:02:57,732	- INFO - Iter 4930/10000, Loss: 0.3945
2025-03-18	13:02:58,141	- INFO - Iter 4940/10000, Loss: 0.3944
2025-03-18	13:02:58,545	- INFO - Iter 4950/10000, Loss: 0.3942
2025-03-18	13:02:58,947	- INFO - Iter 4960/10000, Loss: 0.3940
2025-03-18	13:02:59,348	- INFO - Iter 4970/10000, Loss: 0.3939
2025-03-18	13:02:59,747	- INFO - Iter 4980/10000, Loss: 0.3937

2025-03-18	13:03:00,147	- INFO - Iter 4990/10000, Loss: 0.3936
2025-03-18	13:03:00,545	- INFO - Iter 5000/10000, Loss: 0.3934
2025-03-18	13:03:00,946	- INFO - Iter 5010/10000, Loss: 0.3932
2025-03-18	13:03:01,348	- INFO - Iter 5020/10000, Loss: 0.3931
2025-03-18	13:03:01,750	- INFO - Iter 5030/10000, Loss: 0.3929
2025-03-18	13:03:02,153	- INFO - Iter 5040/10000, Loss: 0.3928
2025-03-18	13:03:02,551	- INFO - Iter 5050/10000, Loss: 0.3926
2025-03-18	13:03:02,958	- INFO - Iter 5060/10000, Loss: 0.3925
2025-03-18	13:03:03,356	- INFO - Iter 5070/10000, Loss: 0.3923
2025-03-18	13:03:03,760	- INFO - Iter 5080/10000, Loss: 0.3921
2025-03-18	13:03:04,159	- INFO - Iter 5090/10000, Loss: 0.3920
2025-03-18	13:03:04,561	- INFO - Iter 5100/10000, Loss: 0.3918
2025-03-18	13:03:04,961	- INFO - Iter 5110/10000, Loss: 0.3917
2025-03-18	13:03:05,361	- INFO - Iter 5120/10000, Loss: 0.3915
2025-03-18	13:03:05,761	- INFO - Iter 5130/10000, Loss: 0.3914
2025-03-18	13:03:06,165	- INFO - Iter 5140/10000, Loss: 0.3912
2025-03-18	13:03:06,564	- INFO - Iter 5150/10000, Loss: 0.3911
2025-03-18	13:03:06,979	- INFO - Iter 5160/10000, Loss: 0.3909
2025-03-18	13:03:07,386	- INFO - Iter 5170/10000, Loss: 0.3908
2025-03-18	13:03:07,821	- INFO - Iter 5180/10000, Loss: 0.3906
2025-03-18	13:03:08,234	- INFO - Iter 5190/10000, Loss: 0.3905
2025-03-18	13:03:08,652	- INFO - Iter 5200/10000, Loss: 0.3903
2025-03-18	13:03:09,067	- INFO - Iter 5210/10000, Loss: 0.3902
2025-03-18	13:03:09,483	- INFO - Iter 5220/10000, Loss: 0.3900
2025-03-18	13:03:09,883	- INFO - Iter 5230/10000, Loss: 0.3899
2025-03-18	13:03:10,304	- INFO - Iter 5240/10000, Loss: 0.3897
2025-03-18	13:03:10,750	- INFO - Iter 5250/10000, Loss: 0.3896
2025-03-18	13:03:11,161	- INFO - Iter 5260/10000, Loss: 0.3894
2025-03-18	13:03:11,570	- INFO - Iter 5270/10000, Loss: 0.3893
2025-03-18	13:03:11,977	- INFO - Iter 5280/10000, Loss: 0.3891
2025-03-18	13:03:12,381	- INFO - Iter 5290/10000, Loss: 0.3890
2025-03-18	13:03:12,803	- INFO - Iter 5300/10000, Loss: 0.3888
2025-03-18	13:03:13,218	- INFO - Iter 5310/10000, Loss: 0.3887
2025-03-18	13:03:13,626	- INFO - Iter 5320/10000, Loss: 0.3885
2025-03-18	13:03:14,033	- INFO - Iter 5330/10000, Loss: 0.3884
2025-03-18	13:03:14,443	- INFO - Iter 5340/10000, Loss: 0.3882
2025-03-18	13:03:14,841	- INFO - Iter 5350/10000, Loss: 0.3881
2025-03-18	13:03:15,244	- INFO - Iter 5360/10000, Loss: 0.3880
2025-03-18	13:03:15,643	- INFO - Iter 5370/10000, Loss: 0.3878
2025-03-18	13:03:16,052	- INFO - Iter 5380/10000, Loss: 0.3877
2025-03-18	13:03:16,455	- INFO - Iter 5390/10000, Loss: 0.3875
2025-03-18	13:03:16,867	- INFO - Iter 5400/10000, Loss: 0.3874
2025-03-18	13:03:17,277	- INFO - Iter 5410/10000, Loss: 0.3872
2025-03-18	13:03:17,680	- INFO - Iter 5420/10000, Loss: 0.3871
2025-03-18	13:03:18,086	- INFO - Iter 5430/10000, Loss: 0.3870
2025-03-18	13:03:18,491	- INFO - Iter 5440/10000, Loss: 0.3868
2025-03-18	13:03:18,899	- INFO - Iter 5450/10000, Loss: 0.3867
2025-03-18	13:03:19,298	- INFO - Iter 5460/10000, Loss: 0.3865
2025-03-18	13:03:19,711	- INFO - Iter 5470/10000, Loss: 0.3864
2025-03-18	13:03:20,127	- INFO - Iter 5480/10000, Loss: 0.3863
2025-03-18	13:03:20,532	- INFO - Iter 5490/10000, Loss: 0.3861
2025-03-18	13:03:20,938	- INFO - Iter 5500/10000, Loss: 0.3860
2025-03-18	13:03:21,341	- INFO - Iter 5510/10000, Loss: 0.3858
2025-03-18	13:03:21,745	- INFO - Iter 5520/10000, Loss: 0.3857
2025-03-18	13:03:22,160	- INFO - Iter 5530/10000, Loss: 0.3856
2025-03-18	13:03:22,567	- INFO - Iter 5540/10000, Loss: 0.3854
2025-03-18	13:03:22,971	- INFO - Iter 5550/10000, Loss: 0.3853
2025-03-18	13:03:23,375	- INFO - Iter 5560/10000, Loss: 0.3852
2025-03-18	13:03:23,785	- INFO - Iter 5570/10000, Loss: 0.3850
2025-03-18	13:03:24,190	- INFO - Iter 5580/10000, Loss: 0.3849
2025-03-18	13:03:24,593	- INFO - Iter 5590/10000, Loss: 0.3848
2025-03-18	13:03:25,011	- INFO - Iter 5600/10000, Loss: 0.3846
2025-03-18	13:03:25,411	- INFO - Iter 5610/10000, Loss: 0.3845
2025-03-18	13:03:25,826	- INFO - Iter 5620/10000, Loss: 0.3844
2025-03-18	13:03:26,256	- INFO - Iter 5630/10000, Loss: 0.3842
2025-03-18	13:03:26,673	- INFO - Iter 5640/10000, Loss: 0.3841
2025-03-18	13:03:27,092	- INFO - Iter 5650/10000, Loss: 0.3840
2025-03-18	13:03:27,502	- INFO - Iter 5660/10000, Loss: 0.3838
2025-03-18	13:03:27,906	- INFO - Iter 5670/10000, Loss: 0.3837
2025-03-18	13:03:28,324	- INFO - Iter 5680/10000, Loss: 0.3836
2025-03-18	13:03:28,726	- INFO - Iter 5690/10000, Loss: 0.3834
2025-03-18	13:03:29,132	- INFO - Iter 5700/10000, Loss: 0.3833



2025-03-18	13:03:29,537	- INFO -	Iter 5710/10000,	Loss: 0.3832
2025-03-18	13:03:29,944	- INFO -	Iter 5720/10000,	Loss: 0.3830
2025-03-18	13:03:30,354	- INFO -	Iter 5730/10000,	Loss: 0.3829
2025-03-18	13:03:30,753	- INFO -	Iter 5740/10000,	Loss: 0.3828
2025-03-18	13:03:31,160	- INFO -	Iter 5750/10000,	Loss: 0.3827
2025-03-18	13:03:31,566	- INFO -	Iter 5760/10000,	Loss: 0.3825
2025-03-18	13:03:31,970	- INFO -	Iter 5770/10000,	Loss: 0.3824
2025-03-18	13:03:32,369	- INFO -	Iter 5780/10000,	Loss: 0.3823
2025-03-18	13:03:32,775	- INFO -	Iter 5790/10000,	Loss: 0.3821
2025-03-18	13:03:33,181	- INFO -	Iter 5800/10000,	Loss: 0.3820
2025-03-18	13:03:33,591	- INFO -	Iter 5810/10000,	Loss: 0.3819
2025-03-18	13:03:34,002	- INFO -	Iter 5820/10000,	Loss: 0.3818
2025-03-18	13:03:34,409	- INFO -	Iter 5830/10000,	Loss: 0.3816
2025-03-18	13:03:34,815	- INFO -	Iter 5840/10000,	Loss: 0.3815
2025-03-18	13:03:35,217	- INFO -	Iter 5850/10000,	Loss: 0.3814
2025-03-18	13:03:35,621	- INFO -	Iter 5860/10000,	Loss: 0.3813
2025-03-18	13:03:36,029	- INFO -	Iter 5870/10000,	Loss: 0.3811
2025-03-18	13:03:36,435	- INFO -	Iter 5880/10000,	Loss: 0.3810
2025-03-18	13:03:36,848	- INFO -	Iter 5890/10000,	Loss: 0.3809
2025-03-18	13:03:37,256	- INFO -	Iter 5900/10000,	Loss: 0.3808
2025-03-18	13:03:37,667	- INFO -	Iter 5910/10000,	Loss: 0.3806
2025-03-18	13:03:38,068	- INFO -	Iter 5920/10000,	Loss: 0.3805
2025-03-18	13:03:38,468	- INFO -	Iter 5930/10000,	Loss: 0.3804
2025-03-18	13:03:38,867	- INFO -	Iter 5940/10000,	Loss: 0.3803
2025-03-18	13:03:39,266	- INFO -	Iter 5950/10000,	Loss: 0.3802
2025-03-18	13:03:39,664	- INFO -	Iter 5960/10000,	Loss: 0.3800
2025-03-18	13:03:40,066	- INFO -	Iter 5970/10000,	Loss: 0.3799
2025-03-18	13:03:40,464	- INFO -	Iter 5980/10000,	Loss: 0.3798
2025-03-18	13:03:40,863	- INFO -	Iter 5990/10000,	Loss: 0.3797
2025-03-18	13:03:41,260	- INFO -	Iter 6000/10000,	Loss: 0.3795
2025-03-18	13:03:41,661	- INFO -	Iter 6010/10000,	Loss: 0.3794
2025-03-18	13:03:42,061	- INFO -	Iter 6020/10000,	Loss: 0.3793
2025-03-18	13:03:42,467	- INFO -	Iter 6030/10000,	Loss: 0.3792
2025-03-18	13:03:42,878	- INFO -	Iter 6040/10000,	Loss: 0.3791
2025-03-18	13:03:43,277	- INFO -	Iter 6050/10000,	Loss: 0.3789
2025-03-18	13:03:43,678	- INFO -	Iter 6060/10000,	Loss: 0.3788
2025-03-18	13:03:44,082	- INFO -	Iter 6070/10000,	Loss: 0.3787
2025-03-18	13:03:44,482	- INFO -	Iter 6080/10000,	Loss: 0.3786
2025-03-18	13:03:44,889	- INFO -	Iter 6090/10000,	Loss: 0.3785
2025-03-18	13:03:45,293	- INFO -	Iter 6100/10000,	Loss: 0.3784
2025-03-18	13:03:45,691	- INFO -	Iter 6110/10000,	Loss: 0.3782
2025-03-18	13:03:46,091	- INFO -	Iter 6120/10000,	Loss: 0.3781
2025-03-18	13:03:46,500	- INFO -	Iter 6130/10000,	Loss: 0.3780
2025-03-18	13:03:46,900	- INFO -	Iter 6140/10000,	Loss: 0.3779
2025-03-18	13:03:47,314	- INFO -	Iter 6150/10000,	Loss: 0.3778
2025-03-18	13:03:47,727	- INFO -	Iter 6160/10000,	Loss: 0.3777
2025-03-18	13:03:48,124	- INFO -	Iter 6170/10000,	Loss: 0.3775
2025-03-18	13:03:48,545	- INFO -	Iter 6180/10000,	Loss: 0.3774
2025-03-18	13:03:48,953	- INFO -	Iter 6190/10000,	Loss: 0.3773
2025-03-18	13:03:49,348	- INFO -	Iter 6200/10000,	Loss: 0.3772
2025-03-18	13:03:49,746	- INFO -	Iter 6210/10000,	Loss: 0.3771
2025-03-18	13:03:50,142	- INFO -	Iter 6220/10000,	Loss: 0.3770
2025-03-18	13:03:50,544	- INFO -	Iter 6230/10000,	Loss: 0.3769
2025-03-18	13:03:50,947	- INFO -	Iter 6240/10000,	Loss: 0.3767
2025-03-18	13:03:51,348	- INFO -	Iter 6250/10000,	Loss: 0.3766
2025-03-18	13:03:51,748	- INFO -	Iter 6260/10000,	Loss: 0.3765
2025-03-18	13:03:52,147	- INFO -	Iter 6270/10000,	Loss: 0.3764
2025-03-18	13:03:52,553	- INFO -	Iter 6280/10000,	Loss: 0.3763
2025-03-18	13:03:52,969	- INFO -	Iter 6290/10000,	Loss: 0.3762
2025-03-18	13:03:53,374	- INFO -	Iter 6300/10000,	Loss: 0.3761
2025-03-18	13:03:53,782	- INFO -	Iter 6310/10000,	Loss: 0.3759
2025-03-18	13:03:54,211	- INFO -	Iter 6320/10000,	Loss: 0.3758
2025-03-18	13:03:54,618	- INFO -	Iter 6330/10000,	Loss: 0.3757
2025-03-18	13:03:55,026	- INFO -	Iter 6340/10000,	Loss: 0.3756
2025-03-18	13:03:55,428	- INFO -	Iter 6350/10000,	Loss: 0.3755
2025-03-18	13:03:55,832	- INFO -	Iter 6360/10000,	Loss: 0.3754
2025-03-18	13:03:56,234	- INFO -	Iter 6370/10000,	Loss: 0.3753
2025-03-18	13:03:56,642	- INFO -	Iter 6380/10000,	Loss: 0.3752
2025-03-18	13:03:57,041	- INFO -	Iter 6390/10000,	Loss: 0.3751
2025-03-18	13:03:57,476	- INFO -	Iter 6400/10000,	Loss: 0.3750
2025-03-18	13:03:57,888	- INFO -	Iter 6410/10000,	Loss: 0.3748
2025-03-18	13:03:58,310	- INFO -	Iter 6420/10000,	Loss: 0.3747

2025-03-18	13:03:58,720	- INFO - Iter 6430/10000, Loss: 0.3746
2025-03-18	13:03:59,134	- INFO - Iter 6440/10000, Loss: 0.3745
2025-03-18	13:03:59,544	- INFO - Iter 6450/10000, Loss: 0.3744
2025-03-18	13:03:59,949	- INFO - Iter 6460/10000, Loss: 0.3743
2025-03-18	13:04:00,361	- INFO - Iter 6470/10000, Loss: 0.3742
2025-03-18	13:04:00,765	- INFO - Iter 6480/10000, Loss: 0.3741
2025-03-18	13:04:01,191	- INFO - Iter 6490/10000, Loss: 0.3740
2025-03-18	13:04:01,615	- INFO - Iter 6500/10000, Loss: 0.3739
2025-03-18	13:04:02,027	- INFO - Iter 6510/10000, Loss: 0.3738
2025-03-18	13:04:02,447	- INFO - Iter 6520/10000, Loss: 0.3737
2025-03-18	13:04:02,851	- INFO - Iter 6530/10000, Loss: 0.3736
2025-03-18	13:04:03,264	- INFO - Iter 6540/10000, Loss: 0.3735
2025-03-18	13:04:03,675	- INFO - Iter 6550/10000, Loss: 0.3733
2025-03-18	13:04:04,082	- INFO - Iter 6560/10000, Loss: 0.3732
2025-03-18	13:04:04,492	- INFO - Iter 6570/10000, Loss: 0.3731
2025-03-18	13:04:04,905	- INFO - Iter 6580/10000, Loss: 0.3730
2025-03-18	13:04:05,316	- INFO - Iter 6590/10000, Loss: 0.3729
2025-03-18	13:04:05,726	- INFO - Iter 6600/10000, Loss: 0.3728
2025-03-18	13:04:06,137	- INFO - Iter 6610/10000, Loss: 0.3727
2025-03-18	13:04:06,561	- INFO - Iter 6620/10000, Loss: 0.3726
2025-03-18	13:04:06,993	- INFO - Iter 6630/10000, Loss: 0.3725
2025-03-18	13:04:07,418	- INFO - Iter 6640/10000, Loss: 0.3724
2025-03-18	13:04:07,853	- INFO - Iter 6650/10000, Loss: 0.3723
2025-03-18	13:04:08,284	- INFO - Iter 6660/10000, Loss: 0.3722
2025-03-18	13:04:08,707	- INFO - Iter 6670/10000, Loss: 0.3721
2025-03-18	13:04:09,129	- INFO - Iter 6680/10000, Loss: 0.3720
2025-03-18	13:04:09,558	- INFO - Iter 6690/10000, Loss: 0.3719
2025-03-18	13:04:09,983	- INFO - Iter 6700/10000, Loss: 0.3718
2025-03-18	13:04:10,404	- INFO - Iter 6710/10000, Loss: 0.3717
2025-03-18	13:04:10,829	- INFO - Iter 6720/10000, Loss: 0.3716
2025-03-18	13:04:11,254	- INFO - Iter 6730/10000, Loss: 0.3715
2025-03-18	13:04:11,678	- INFO - Iter 6740/10000, Loss: 0.3714
2025-03-18	13:04:12,101	- INFO - Iter 6750/10000, Loss: 0.3713
2025-03-18	13:04:12,519	- INFO - Iter 6760/10000, Loss: 0.3712
2025-03-18	13:04:12,945	- INFO - Iter 6770/10000, Loss: 0.3711
2025-03-18	13:04:13,382	- INFO - Iter 6780/10000, Loss: 0.3710
2025-03-18	13:04:13,928	- INFO - Iter 6790/10000, Loss: 0.3709
2025-03-18	13:04:14,371	- INFO - Iter 6800/10000, Loss: 0.3708
2025-03-18	13:04:14,816	- INFO - Iter 6810/10000, Loss: 0.3707
2025-03-18	13:04:15,236	- INFO - Iter 6820/10000, Loss: 0.3706
2025-03-18	13:04:15,663	- INFO - Iter 6830/10000, Loss: 0.3705
2025-03-18	13:04:16,087	- INFO - Iter 6840/10000, Loss: 0.3704
2025-03-18	13:04:16,509	- INFO - Iter 6850/10000, Loss: 0.3703
2025-03-18	13:04:16,926	- INFO - Iter 6860/10000, Loss: 0.3702
2025-03-18	13:04:17,341	- INFO - Iter 6870/10000, Loss: 0.3701
2025-03-18	13:04:17,767	- INFO - Iter 6880/10000, Loss: 0.3700
2025-03-18	13:04:18,199	- INFO - Iter 6890/10000, Loss: 0.3699
2025-03-18	13:04:18,623	- INFO - Iter 6900/10000, Loss: 0.3698
2025-03-18	13:04:19,046	- INFO - Iter 6910/10000, Loss: 0.3697
2025-03-18	13:04:19,469	- INFO - Iter 6920/10000, Loss: 0.3696
2025-03-18	13:04:19,888	- INFO - Iter 6930/10000, Loss: 0.3695
2025-03-18	13:04:20,306	- INFO - Iter 6940/10000, Loss: 0.3694
2025-03-18	13:04:20,720	- INFO - Iter 6950/10000, Loss: 0.3693
2025-03-18	13:04:21,147	- INFO - Iter 6960/10000, Loss: 0.3692
2025-03-18	13:04:21,563	- INFO - Iter 6970/10000, Loss: 0.3691
2025-03-18	13:04:21,970	- INFO - Iter 6980/10000, Loss: 0.3690
2025-03-18	13:04:22,402	- INFO - Iter 6990/10000, Loss: 0.3689
2025-03-18	13:04:22,844	- INFO - Iter 7000/10000, Loss: 0.3688
2025-03-18	13:04:23,261	- INFO - Iter 7010/10000, Loss: 0.3687
2025-03-18	13:04:23,687	- INFO - Iter 7020/10000, Loss: 0.3686
2025-03-18	13:04:24,111	- INFO - Iter 7030/10000, Loss: 0.3686
2025-03-18	13:04:24,545	- INFO - Iter 7040/10000, Loss: 0.3685
2025-03-18	13:04:24,973	- INFO - Iter 7050/10000, Loss: 0.3684
2025-03-18	13:04:25,395	- INFO - Iter 7060/10000, Loss: 0.3683
2025-03-18	13:04:25,820	- INFO - Iter 7070/10000, Loss: 0.3682
2025-03-18	13:04:26,246	- INFO - Iter 7080/10000, Loss: 0.3681
2025-03-18	13:04:26,668	- INFO - Iter 7090/10000, Loss: 0.3680
2025-03-18	13:04:27,085	- INFO - Iter 7100/10000, Loss: 0.3679
2025-03-18	13:04:27,508	- INFO - Iter 7110/10000, Loss: 0.3678
2025-03-18	13:04:27,947	- INFO - Iter 7120/10000, Loss: 0.3677
2025-03-18	13:04:28,378	- INFO - Iter 7130/10000, Loss: 0.3676
2025-03-18	13:04:28,798	- INFO - Iter 7140/10000, Loss: 0.3675

2025-03-18	13:04:29,223	- INFO - Iter 7150/10000, Loss: 0.3674
2025-03-18	13:04:29,641	- INFO - Iter 7160/10000, Loss: 0.3673
2025-03-18	13:04:30,059	- INFO - Iter 7170/10000, Loss: 0.3672
2025-03-18	13:04:30,479	- INFO - Iter 7180/10000, Loss: 0.3672
2025-03-18	13:04:30,901	- INFO - Iter 7190/10000, Loss: 0.3671
2025-03-18	13:04:31,328	- INFO - Iter 7200/10000, Loss: 0.3670
2025-03-18	13:04:31,751	- INFO - Iter 7210/10000, Loss: 0.3669
2025-03-18	13:04:32,183	- INFO - Iter 7220/10000, Loss: 0.3668
2025-03-18	13:04:32,625	- INFO - Iter 7230/10000, Loss: 0.3667
2025-03-18	13:04:33,055	- INFO - Iter 7240/10000, Loss: 0.3666
2025-03-18	13:04:33,480	- INFO - Iter 7250/10000, Loss: 0.3665
2025-03-18	13:04:33,906	- INFO - Iter 7260/10000, Loss: 0.3664
2025-03-18	13:04:34,329	- INFO - Iter 7270/10000, Loss: 0.3663
2025-03-18	13:04:34,754	- INFO - Iter 7280/10000, Loss: 0.3662
2025-03-18	13:04:35,183	- INFO - Iter 7290/10000, Loss: 0.3662
2025-03-18	13:04:35,606	- INFO - Iter 7300/10000, Loss: 0.3661
2025-03-18	13:04:36,031	- INFO - Iter 7310/10000, Loss: 0.3660
2025-03-18	13:04:36,451	- INFO - Iter 7320/10000, Loss: 0.3659
2025-03-18	13:04:36,875	- INFO - Iter 7330/10000, Loss: 0.3658
2025-03-18	13:04:37,293	- INFO - Iter 7340/10000, Loss: 0.3657
2025-03-18	13:04:37,708	- INFO - Iter 7350/10000, Loss: 0.3656
2025-03-18	13:04:38,124	- INFO - Iter 7360/10000, Loss: 0.3655
2025-03-18	13:04:38,554	- INFO - Iter 7370/10000, Loss: 0.3654
2025-03-18	13:04:38,978	- INFO - Iter 7380/10000, Loss: 0.3654
2025-03-18	13:04:39,402	- INFO - Iter 7390/10000, Loss: 0.3653
2025-03-18	13:04:39,819	- INFO - Iter 7400/10000, Loss: 0.3652
2025-03-18	13:04:40,244	- INFO - Iter 7410/10000, Loss: 0.3651
2025-03-18	13:04:40,661	- INFO - Iter 7420/10000, Loss: 0.3650
2025-03-18	13:04:41,084	- INFO - Iter 7430/10000, Loss: 0.3649
2025-03-18	13:04:41,510	- INFO - Iter 7440/10000, Loss: 0.3648
2025-03-18	13:04:41,935	- INFO - Iter 7450/10000, Loss: 0.3647
2025-03-18	13:04:42,357	- INFO - Iter 7460/10000, Loss: 0.3647
2025-03-18	13:04:42,936	- INFO - Iter 7470/10000, Loss: 0.3646
2025-03-18	13:04:43,372	- INFO - Iter 7480/10000, Loss: 0.3645
2025-03-18	13:04:43,817	- INFO - Iter 7490/10000, Loss: 0.3644
2025-03-18	13:04:44,257	- INFO - Iter 7500/10000, Loss: 0.3643
2025-03-18	13:04:44,681	- INFO - Iter 7510/10000, Loss: 0.3642
2025-03-18	13:04:45,105	- INFO - Iter 7520/10000, Loss: 0.3641
2025-03-18	13:04:45,519	- INFO - Iter 7530/10000, Loss: 0.3641
2025-03-18	13:04:45,934	- INFO - Iter 7540/10000, Loss: 0.3640
2025-03-18	13:04:46,347	- INFO - Iter 7550/10000, Loss: 0.3639
2025-03-18	13:04:46,764	- INFO - Iter 7560/10000, Loss: 0.3638
2025-03-18	13:04:47,188	- INFO - Iter 7570/10000, Loss: 0.3637
2025-03-18	13:04:47,612	- INFO - Iter 7580/10000, Loss: 0.3636
2025-03-18	13:04:48,034	- INFO - Iter 7590/10000, Loss: 0.3636
2025-03-18	13:04:48,446	- INFO - Iter 7600/10000, Loss: 0.3635
2025-03-18	13:04:48,866	- INFO - Iter 7610/10000, Loss: 0.3634
2025-03-18	13:04:49,272	- INFO - Iter 7620/10000, Loss: 0.3633
2025-03-18	13:04:49,683	- INFO - Iter 7630/10000, Loss: 0.3632
2025-03-18	13:04:50,093	- INFO - Iter 7640/10000, Loss: 0.3631
2025-03-18	13:04:50,512	- INFO - Iter 7650/10000, Loss: 0.3630
2025-03-18	13:04:50,943	- INFO - Iter 7660/10000, Loss: 0.3630
2025-03-18	13:04:51,370	- INFO - Iter 7670/10000, Loss: 0.3629
2025-03-18	13:04:51,794	- INFO - Iter 7680/10000, Loss: 0.3628
2025-03-18	13:04:52,223	- INFO - Iter 7690/10000, Loss: 0.3627
2025-03-18	13:04:52,653	- INFO - Iter 7700/10000, Loss: 0.3626
2025-03-18	13:04:53,080	- INFO - Iter 7710/10000, Loss: 0.3626
2025-03-18	13:04:53,511	- INFO - Iter 7720/10000, Loss: 0.3625
2025-03-18	13:04:53,928	- INFO - Iter 7730/10000, Loss: 0.3624
2025-03-18	13:04:54,332	- INFO - Iter 7740/10000, Loss: 0.3623
2025-03-18	13:04:54,740	- INFO - Iter 7750/10000, Loss: 0.3622
2025-03-18	13:04:55,142	- INFO - Iter 7760/10000, Loss: 0.3621
2025-03-18	13:04:55,540	- INFO - Iter 7770/10000, Loss: 0.3621
2025-03-18	13:04:55,968	- INFO - Iter 7780/10000, Loss: 0.3620
2025-03-18	13:04:56,379	- INFO - Iter 7790/10000, Loss: 0.3619
2025-03-18	13:04:56,767	- INFO - Iter 7800/10000, Loss: 0.3618
2025-03-18	13:04:57,161	- INFO - Iter 7810/10000, Loss: 0.3617
2025-03-18	13:04:57,562	- INFO - Iter 7820/10000, Loss: 0.3617
2025-03-18	13:04:57,960	- INFO - Iter 7830/10000, Loss: 0.3616
2025-03-18	13:04:58,382	- INFO - Iter 7840/10000, Loss: 0.3615
2025-03-18	13:04:58,784	- INFO - Iter 7850/10000, Loss: 0.3614
2025-03-18	13:04:59,196	- INFO - Iter 7860/10000, Loss: 0.3613

2025-03-18	13:04:59,617	- INFO - Iter 7870/10000, Loss: 0.3613
2025-03-18	13:05:00,034	- INFO - Iter 7880/10000, Loss: 0.3612
2025-03-18	13:05:00,439	- INFO - Iter 7890/10000, Loss: 0.3611
2025-03-18	13:05:00,832	- INFO - Iter 7900/10000, Loss: 0.3610
2025-03-18	13:05:01,235	- INFO - Iter 7910/10000, Loss: 0.3609
2025-03-18	13:05:01,643	- INFO - Iter 7920/10000, Loss: 0.3609
2025-03-18	13:05:02,059	- INFO - Iter 7930/10000, Loss: 0.3608
2025-03-18	13:05:02,480	- INFO - Iter 7940/10000, Loss: 0.3607
2025-03-18	13:05:02,893	- INFO - Iter 7950/10000, Loss: 0.3606
2025-03-18	13:05:03,292	- INFO - Iter 7960/10000, Loss: 0.3605
2025-03-18	13:05:03,694	- INFO - Iter 7970/10000, Loss: 0.3605
2025-03-18	13:05:04,107	- INFO - Iter 7980/10000, Loss: 0.3604
2025-03-18	13:05:04,518	- INFO - Iter 7990/10000, Loss: 0.3603
2025-03-18	13:05:04,927	- INFO - Iter 8000/10000, Loss: 0.3602
2025-03-18	13:05:05,366	- INFO - Iter 8010/10000, Loss: 0.3602
2025-03-18	13:05:05,774	- INFO - Iter 8020/10000, Loss: 0.3601
2025-03-18	13:05:06,167	- INFO - Iter 8030/10000, Loss: 0.3600
2025-03-18	13:05:06,564	- INFO - Iter 8040/10000, Loss: 0.3599
2025-03-18	13:05:06,963	- INFO - Iter 8050/10000, Loss: 0.3598
2025-03-18	13:05:07,371	- INFO - Iter 8060/10000, Loss: 0.3598
2025-03-18	13:05:07,773	- INFO - Iter 8070/10000, Loss: 0.3597
2025-03-18	13:05:08,184	- INFO - Iter 8080/10000, Loss: 0.3596
2025-03-18	13:05:08,601	- INFO - Iter 8090/10000, Loss: 0.3595
2025-03-18	13:05:09,009	- INFO - Iter 8100/10000, Loss: 0.3595
2025-03-18	13:05:09,421	- INFO - Iter 8110/10000, Loss: 0.3594
2025-03-18	13:05:09,830	- INFO - Iter 8120/10000, Loss: 0.3593
2025-03-18	13:05:10,251	- INFO - Iter 8130/10000, Loss: 0.3592
2025-03-18	13:05:10,646	- INFO - Iter 8140/10000, Loss: 0.3592
2025-03-18	13:05:11,041	- INFO - Iter 8150/10000, Loss: 0.3591
2025-03-18	13:05:11,441	- INFO - Iter 8160/10000, Loss: 0.3590
2025-03-18	13:05:11,854	- INFO - Iter 8170/10000, Loss: 0.3589
2025-03-18	13:05:12,268	- INFO - Iter 8180/10000, Loss: 0.3589
2025-03-18	13:05:12,678	- INFO - Iter 8190/10000, Loss: 0.3588
2025-03-18	13:05:13,067	- INFO - Iter 8200/10000, Loss: 0.3587
2025-03-18	13:05:13,480	- INFO - Iter 8210/10000, Loss: 0.3586
2025-03-18	13:05:13,872	- INFO - Iter 8220/10000, Loss: 0.3586
2025-03-18	13:05:14,267	- INFO - Iter 8230/10000, Loss: 0.3585
2025-03-18	13:05:14,669	- INFO - Iter 8240/10000, Loss: 0.3584
2025-03-18	13:05:15,068	- INFO - Iter 8250/10000, Loss: 0.3583
2025-03-18	13:05:15,465	- INFO - Iter 8260/10000, Loss: 0.3583
2025-03-18	13:05:15,857	- INFO - Iter 8270/10000, Loss: 0.3582
2025-03-18	13:05:16,250	- INFO - Iter 8280/10000, Loss: 0.3581
2025-03-18	13:05:16,659	- INFO - Iter 8290/10000, Loss: 0.3580
2025-03-18	13:05:17,080	- INFO - Iter 8300/10000, Loss: 0.3580
2025-03-18	13:05:17,499	- INFO - Iter 8310/10000, Loss: 0.3579
2025-03-18	13:05:17,918	- INFO - Iter 8320/10000, Loss: 0.3578
2025-03-18	13:05:18,334	- INFO - Iter 8330/10000, Loss: 0.3577
2025-03-18	13:05:18,740	- INFO - Iter 8340/10000, Loss: 0.3577
2025-03-18	13:05:19,164	- INFO - Iter 8350/10000, Loss: 0.3576
2025-03-18	13:05:19,579	- INFO - Iter 8360/10000, Loss: 0.3575
2025-03-18	13:05:19,980	- INFO - Iter 8370/10000, Loss: 0.3574
2025-03-18	13:05:20,396	- INFO - Iter 8380/10000, Loss: 0.3574
2025-03-18	13:05:20,796	- INFO - Iter 8390/10000, Loss: 0.3573
2025-03-18	13:05:21,203	- INFO - Iter 8400/10000, Loss: 0.3572
2025-03-18	13:05:21,609	- INFO - Iter 8410/10000, Loss: 0.3572
2025-03-18	13:05:22,009	- INFO - Iter 8420/10000, Loss: 0.3571
2025-03-18	13:05:22,408	- INFO - Iter 8430/10000, Loss: 0.3570
2025-03-18	13:05:22,802	- INFO - Iter 8440/10000, Loss: 0.3569
2025-03-18	13:05:23,207	- INFO - Iter 8450/10000, Loss: 0.3569
2025-03-18	13:05:23,610	- INFO - Iter 8460/10000, Loss: 0.3568
2025-03-18	13:05:24,009	- INFO - Iter 8470/10000, Loss: 0.3567
2025-03-18	13:05:24,418	- INFO - Iter 8480/10000, Loss: 0.3567
2025-03-18	13:05:24,816	- INFO - Iter 8490/10000, Loss: 0.3566
2025-03-18	13:05:25,234	- INFO - Iter 8500/10000, Loss: 0.3565
2025-03-18	13:05:25,650	- INFO - Iter 8510/10000, Loss: 0.3564
2025-03-18	13:05:26,050	- INFO - Iter 8520/10000, Loss: 0.3564
2025-03-18	13:05:26,458	- INFO - Iter 8530/10000, Loss: 0.3563
2025-03-18	13:05:26,848	- INFO - Iter 8540/10000, Loss: 0.3562
2025-03-18	13:05:27,257	- INFO - Iter 8550/10000, Loss: 0.3562
2025-03-18	13:05:27,659	- INFO - Iter 8560/10000, Loss: 0.3561
2025-03-18	13:05:28,081	- INFO - Iter 8570/10000, Loss: 0.3560
2025-03-18	13:05:28,484	- INFO - Iter 8580/10000, Loss: 0.3560

2025-03-18	13:05:28,882	- INFO - Iter 8590/10000, Loss: 0.3559
2025-03-18	13:05:29,287	- INFO - Iter 8600/10000, Loss: 0.3558
2025-03-18	13:05:29,703	- INFO - Iter 8610/10000, Loss: 0.3557
2025-03-18	13:05:30,115	- INFO - Iter 8620/10000, Loss: 0.3557
2025-03-18	13:05:30,546	- INFO - Iter 8630/10000, Loss: 0.3556
2025-03-18	13:05:30,961	- INFO - Iter 8640/10000, Loss: 0.3555
2025-03-18	13:05:31,368	- INFO - Iter 8650/10000, Loss: 0.3555
2025-03-18	13:05:31,768	- INFO - Iter 8660/10000, Loss: 0.3554
2025-03-18	13:05:32,173	- INFO - Iter 8670/10000, Loss: 0.3553
2025-03-18	13:05:32,566	- INFO - Iter 8680/10000, Loss: 0.3553
2025-03-18	13:05:32,980	- INFO - Iter 8690/10000, Loss: 0.3552
2025-03-18	13:05:33,400	- INFO - Iter 8700/10000, Loss: 0.3551
2025-03-18	13:05:33,802	- INFO - Iter 8710/10000, Loss: 0.3550
2025-03-18	13:05:34,219	- INFO - Iter 8720/10000, Loss: 0.3550
2025-03-18	13:05:34,612	- INFO - Iter 8730/10000, Loss: 0.3549
2025-03-18	13:05:35,011	- INFO - Iter 8740/10000, Loss: 0.3548
2025-03-18	13:05:35,419	- INFO - Iter 8750/10000, Loss: 0.3548
2025-03-18	13:05:35,813	- INFO - Iter 8760/10000, Loss: 0.3547
2025-03-18	13:05:36,229	- INFO - Iter 8770/10000, Loss: 0.3546
2025-03-18	13:05:36,629	- INFO - Iter 8780/10000, Loss: 0.3546
2025-03-18	13:05:37,022	- INFO - Iter 8790/10000, Loss: 0.3545
2025-03-18	13:05:37,446	- INFO - Iter 8800/10000, Loss: 0.3544
2025-03-18	13:05:37,862	- INFO - Iter 8810/10000, Loss: 0.3544
2025-03-18	13:05:38,274	- INFO - Iter 8820/10000, Loss: 0.3543
2025-03-18	13:05:38,685	- INFO - Iter 8830/10000, Loss: 0.3542
2025-03-18	13:05:39,103	- INFO - Iter 8840/10000, Loss: 0.3542
2025-03-18	13:05:39,541	- INFO - Iter 8850/10000, Loss: 0.3541
2025-03-18	13:05:39,982	- INFO - Iter 8860/10000, Loss: 0.3540
2025-03-18	13:05:40,394	- INFO - Iter 8870/10000, Loss: 0.3540
2025-03-18	13:05:40,802	- INFO - Iter 8880/10000, Loss: 0.3539
2025-03-18	13:05:41,213	- INFO - Iter 8890/10000, Loss: 0.3538
2025-03-18	13:05:41,617	- INFO - Iter 8900/10000, Loss: 0.3538
2025-03-18	13:05:42,034	- INFO - Iter 8910/10000, Loss: 0.3537
2025-03-18	13:05:42,453	- INFO - Iter 8920/10000, Loss: 0.3536
2025-03-18	13:05:42,866	- INFO - Iter 8930/10000, Loss: 0.3536
2025-03-18	13:05:43,277	- INFO - Iter 8940/10000, Loss: 0.3535
2025-03-18	13:05:43,676	- INFO - Iter 8950/10000, Loss: 0.3534
2025-03-18	13:05:44,084	- INFO - Iter 8960/10000, Loss: 0.3534
2025-03-18	13:05:44,490	- INFO - Iter 8970/10000, Loss: 0.3533
2025-03-18	13:05:44,895	- INFO - Iter 8980/10000, Loss: 0.3532
2025-03-18	13:05:45,329	- INFO - Iter 8990/10000, Loss: 0.3532
2025-03-18	13:05:45,744	- INFO - Iter 9000/10000, Loss: 0.3531
2025-03-18	13:05:46,163	- INFO - Iter 9010/10000, Loss: 0.3530
2025-03-18	13:05:46,570	- INFO - Iter 9020/10000, Loss: 0.3530
2025-03-18	13:05:46,967	- INFO - Iter 9030/10000, Loss: 0.3529
2025-03-18	13:05:47,383	- INFO - Iter 9040/10000, Loss: 0.3529
2025-03-18	13:05:47,787	- INFO - Iter 9050/10000, Loss: 0.3528
2025-03-18	13:05:48,195	- INFO - Iter 9060/10000, Loss: 0.3527
2025-03-18	13:05:48,593	- INFO - Iter 9070/10000, Loss: 0.3527
2025-03-18	13:05:48,994	- INFO - Iter 9080/10000, Loss: 0.3526
2025-03-18	13:05:49,397	- INFO - Iter 9090/10000, Loss: 0.3525
2025-03-18	13:05:49,809	- INFO - Iter 9100/10000, Loss: 0.3525
2025-03-18	13:05:50,214	- INFO - Iter 9110/10000, Loss: 0.3524
2025-03-18	13:05:50,611	- INFO - Iter 9120/10000, Loss: 0.3523
2025-03-18	13:05:51,002	- INFO - Iter 9130/10000, Loss: 0.3523
2025-03-18	13:05:51,417	- INFO - Iter 9140/10000, Loss: 0.3522
2025-03-18	13:05:51,820	- INFO - Iter 9150/10000, Loss: 0.3521
2025-03-18	13:05:52,230	- INFO - Iter 9160/10000, Loss: 0.3521
2025-03-18	13:05:52,628	- INFO - Iter 9170/10000, Loss: 0.3520
2025-03-18	13:05:53,023	- INFO - Iter 9180/10000, Loss: 0.3520
2025-03-18	13:05:53,427	- INFO - Iter 9190/10000, Loss: 0.3519
2025-03-18	13:05:53,839	- INFO - Iter 9200/10000, Loss: 0.3518
2025-03-18	13:05:54,248	- INFO - Iter 9210/10000, Loss: 0.3518
2025-03-18	13:05:54,651	- INFO - Iter 9220/10000, Loss: 0.3517
2025-03-18	13:05:55,053	- INFO - Iter 9230/10000, Loss: 0.3516
2025-03-18	13:05:55,464	- INFO - Iter 9240/10000, Loss: 0.3516
2025-03-18	13:05:55,868	- INFO - Iter 9250/10000, Loss: 0.3515
2025-03-18	13:05:56,277	- INFO - Iter 9260/10000, Loss: 0.3515
2025-03-18	13:05:56,686	- INFO - Iter 9270/10000, Loss: 0.3514
2025-03-18	13:05:57,090	- INFO - Iter 9280/10000, Loss: 0.3513
2025-03-18	13:05:57,508	- INFO - Iter 9290/10000, Loss: 0.3513
2025-03-18	13:05:57,912	- INFO - Iter 9300/10000, Loss: 0.3512



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2025-03-18 13:05:58,326 - INFO - Iter 9310/10000, Loss: 0.3511
2025-03-18 13:05:58,741 - INFO - Iter 9320/10000, Loss: 0.3511
2025-03-18 13:05:59,148 - INFO - Iter 9330/10000, Loss: 0.3510
2025-03-18 13:05:59,558 - INFO - Iter 9340/10000, Loss: 0.3510
2025-03-18 13:06:00,003 - INFO - Iter 9350/10000, Loss: 0.3509
2025-03-18 13:06:00,416 - INFO - Iter 9360/10000, Loss: 0.3508
2025-03-18 13:06:00,822 - INFO - Iter 9370/10000, Loss: 0.3508
2025-03-18 13:06:01,231 - INFO - Iter 9380/10000, Loss: 0.3507
2025-03-18 13:06:01,639 - INFO - Iter 9390/10000, Loss: 0.3506
2025-03-18 13:06:02,039 - INFO - Iter 9400/10000, Loss: 0.3506
2025-03-18 13:06:02,444 - INFO - Iter 9410/10000, Loss: 0.3505
2025-03-18 13:06:02,833 - INFO - Iter 9420/10000, Loss: 0.3505
2025-03-18 13:06:03,237 - INFO - Iter 9430/10000, Loss: 0.3504
2025-03-18 13:06:03,636 - INFO - Iter 9440/10000, Loss: 0.3503
2025-03-18 13:06:04,026 - INFO - Iter 9450/10000, Loss: 0.3503
2025-03-18 13:06:04,426 - INFO - Iter 9460/10000, Loss: 0.3502
2025-03-18 13:06:04,814 - INFO - Iter 9470/10000, Loss: 0.3502
2025-03-18 13:06:05,216 - INFO - Iter 9480/10000, Loss: 0.3501
2025-03-18 13:06:05,606 - INFO - Iter 9490/10000, Loss: 0.3500
2025-03-18 13:06:06,000 - INFO - Iter 9500/10000, Loss: 0.3500
2025-03-18 13:06:06,401 - INFO - Iter 9510/10000, Loss: 0.3499
2025-03-18 13:06:06,800 - INFO - Iter 9520/10000, Loss: 0.3499
2025-03-18 13:06:07,204 - INFO - Iter 9530/10000, Loss: 0.3498
2025-03-18 13:06:07,596 - INFO - Iter 9540/10000, Loss: 0.3497
2025-03-18 13:06:07,982 - INFO - Iter 9550/10000, Loss: 0.3497
2025-03-18 13:06:08,382 - INFO - Iter 9560/10000, Loss: 0.3496
2025-03-18 13:06:08,772 - INFO - Iter 9570/10000, Loss: 0.3496
2025-03-18 13:06:09,177 - INFO - Iter 9580/10000, Loss: 0.3495
2025-03-18 13:06:09,573 - INFO - Iter 9590/10000, Loss: 0.3494
2025-03-18 13:06:09,965 - INFO - Iter 9600/10000, Loss: 0.3494
2025-03-18 13:06:10,391 - INFO - Iter 9610/10000, Loss: 0.3493
2025-03-18 13:06:10,793 - INFO - Iter 9620/10000, Loss: 0.3493
2025-03-18 13:06:11,212 - INFO - Iter 9630/10000, Loss: 0.3492
2025-03-18 13:06:11,608 - INFO - Iter 9640/10000, Loss: 0.3491
2025-03-18 13:06:12,002 - INFO - Iter 9650/10000, Loss: 0.3491
2025-03-18 13:06:12,402 - INFO - Iter 9660/10000, Loss: 0.3490
2025-03-18 13:06:12,799 - INFO - Iter 9670/10000, Loss: 0.3490
2025-03-18 13:06:13,190 - INFO - Iter 9680/10000, Loss: 0.3489
2025-03-18 13:06:13,591 - INFO - Iter 9690/10000, Loss: 0.3489
2025-03-18 13:06:13,984 - INFO - Iter 9700/10000, Loss: 0.3488
2025-03-18 13:06:14,386 - INFO - Iter 9710/10000, Loss: 0.3487
2025-03-18 13:06:14,776 - INFO - Iter 9720/10000, Loss: 0.3487
2025-03-18 13:06:15,172 - INFO - Iter 9730/10000, Loss: 0.3486
2025-03-18 13:06:15,568 - INFO - Iter 9740/10000, Loss: 0.3486
2025-03-18 13:06:15,961 - INFO - Iter 9750/10000, Loss: 0.3485
2025-03-18 13:06:16,366 - INFO - Iter 9760/10000, Loss: 0.3485
2025-03-18 13:06:16,762 - INFO - Iter 9770/10000, Loss: 0.3484
2025-03-18 13:06:17,171 - INFO - Iter 9780/10000, Loss: 0.3483
2025-03-18 13:06:17,576 - INFO - Iter 9790/10000, Loss: 0.3483
2025-03-18 13:06:17,976 - INFO - Iter 9800/10000, Loss: 0.3482
2025-03-18 13:06:18,381 - INFO - Iter 9810/10000, Loss: 0.3482
2025-03-18 13:06:18,779 - INFO - Iter 9820/10000, Loss: 0.3481
2025-03-18 13:06:19,177 - INFO - Iter 9830/10000, Loss: 0.3480
2025-03-18 13:06:19,572 - INFO - Iter 9840/10000, Loss: 0.3480
2025-03-18 13:06:19,961 - INFO - Iter 9850/10000, Loss: 0.3479
2025-03-18 13:06:20,365 - INFO - Iter 9860/10000, Loss: 0.3479
2025-03-18 13:06:20,764 - INFO - Iter 9870/10000, Loss: 0.3478
2025-03-18 13:06:21,166 - INFO - Iter 9880/10000, Loss: 0.3478
2025-03-18 13:06:21,565 - INFO - Iter 9890/10000, Loss: 0.3477
2025-03-18 13:06:21,963 - INFO - Iter 9900/10000, Loss: 0.3477
2025-03-18 13:06:22,376 - INFO - Iter 9910/10000, Loss: 0.3476
2025-03-18 13:06:22,786 - INFO - Iter 9920/10000, Loss: 0.3475
2025-03-18 13:06:23,192 - INFO - Iter 9930/10000, Loss: 0.3475
2025-03-18 13:06:23,590 - INFO - Iter 9940/10000, Loss: 0.3474
2025-03-18 13:06:23,993 - INFO - Iter 9950/10000, Loss: 0.3474
2025-03-18 13:06:24,400 - INFO - Iter 9960/10000, Loss: 0.3473
2025-03-18 13:06:24,794 - INFO - Iter 9970/10000, Loss: 0.3473
2025-03-18 13:06:25,200 - INFO - Iter 9980/10000, Loss: 0.3472
2025-03-18 13:06:25,595 - INFO - Iter 9990/10000, Loss: 0.3471
2025-03-18 13:06:25,997 - INFO - Iter 10000/10000, Loss: 0.3471
2025-03-18 13:06:25,998 - INFO - SoftmaxRegression training completed in 410.99 seconds.
2025-03-18 13:06:25,998 - INFO - --- Linear Regression LR=0.01/Iter=10000 ---
```

2025-03-18	13:06:26,328	- INFO - Iter 10/10000, Train Loss: 0.0380
2025-03-18	13:06:26,648	- INFO - Iter 20/10000, Train Loss: 0.0334
2025-03-18	13:06:26,960	- INFO - Iter 30/10000, Train Loss: 0.0305
2025-03-18	13:06:27,278	- INFO - Iter 40/10000, Train Loss: 0.0287
2025-03-18	13:06:27,602	- INFO - Iter 50/10000, Train Loss: 0.0275
2025-03-18	13:06:27,911	- INFO - Iter 60/10000, Train Loss: 0.0266
2025-03-18	13:06:28,226	- INFO - Iter 70/10000, Train Loss: 0.0259
2025-03-18	13:06:28,539	- INFO - Iter 80/10000, Train Loss: 0.0253
2025-03-18	13:06:28,849	- INFO - Iter 90/10000, Train Loss: 0.0249
2025-03-18	13:06:29,160	- INFO - Iter 100/10000, Train Loss: 0.0245
2025-03-18	13:06:29,476	- INFO - Iter 110/10000, Train Loss: 0.0242
2025-03-18	13:06:29,790	- INFO - Iter 120/10000, Train Loss: 0.0239
2025-03-18	13:06:30,099	- INFO - Iter 130/10000, Train Loss: 0.0237
2025-03-18	13:06:30,420	- INFO - Iter 140/10000, Train Loss: 0.0235
2025-03-18	13:06:30,754	- INFO - Iter 150/10000, Train Loss: 0.0233
2025-03-18	13:06:31,061	- INFO - Iter 160/10000, Train Loss: 0.0232
2025-03-18	13:06:31,377	- INFO - Iter 170/10000, Train Loss: 0.0230
2025-03-18	13:06:31,689	- INFO - Iter 180/10000, Train Loss: 0.0229
2025-03-18	13:06:31,992	- INFO - Iter 190/10000, Train Loss: 0.0228
2025-03-18	13:06:32,305	- INFO - Iter 200/10000, Train Loss: 0.0227
2025-03-18	13:06:32,613	- INFO - Iter 210/10000, Train Loss: 0.0226
2025-03-18	13:06:32,923	- INFO - Iter 220/10000, Train Loss: 0.0225
2025-03-18	13:06:33,240	- INFO - Iter 230/10000, Train Loss: 0.0224
2025-03-18	13:06:33,561	- INFO - Iter 240/10000, Train Loss: 0.0223
2025-03-18	13:06:33,870	- INFO - Iter 250/10000, Train Loss: 0.0222
2025-03-18	13:06:34,176	- INFO - Iter 260/10000, Train Loss: 0.0222
2025-03-18	13:06:34,514	- INFO - Iter 270/10000, Train Loss: 0.0221
2025-03-18	13:06:34,833	- INFO - Iter 280/10000, Train Loss: 0.0220
2025-03-18	13:06:35,144	- INFO - Iter 290/10000, Train Loss: 0.0220
2025-03-18	13:06:35,459	- INFO - Iter 300/10000, Train Loss: 0.0219
2025-03-18	13:06:35,769	- INFO - Iter 310/10000, Train Loss: 0.0219
2025-03-18	13:06:36,076	- INFO - Iter 320/10000, Train Loss: 0.0218
2025-03-18	13:06:36,392	- INFO - Iter 330/10000, Train Loss: 0.0218
2025-03-18	13:06:36,710	- INFO - Iter 340/10000, Train Loss: 0.0217
2025-03-18	13:06:37,031	- INFO - Iter 350/10000, Train Loss: 0.0217
2025-03-18	13:06:37,347	- INFO - Iter 360/10000, Train Loss: 0.0216
2025-03-18	13:06:37,656	- INFO - Iter 370/10000, Train Loss: 0.0216
2025-03-18	13:06:37,968	- INFO - Iter 380/10000, Train Loss: 0.0216
2025-03-18	13:06:38,274	- INFO - Iter 390/10000, Train Loss: 0.0215
2025-03-18	13:06:38,587	- INFO - Iter 400/10000, Train Loss: 0.0215
2025-03-18	13:06:38,898	- INFO - Iter 410/10000, Train Loss: 0.0215
2025-03-18	13:06:39,214	- INFO - Iter 420/10000, Train Loss: 0.0214
2025-03-18	13:06:39,532	- INFO - Iter 430/10000, Train Loss: 0.0214
2025-03-18	13:06:39,851	- INFO - Iter 440/10000, Train Loss: 0.0214
2025-03-18	13:06:40,155	- INFO - Iter 450/10000, Train Loss: 0.0213
2025-03-18	13:06:40,477	- INFO - Iter 460/10000, Train Loss: 0.0213
2025-03-18	13:06:40,798	- INFO - Iter 470/10000, Train Loss: 0.0213
2025-03-18	13:06:41,114	- INFO - Iter 480/10000, Train Loss: 0.0213
2025-03-18	13:06:41,440	- INFO - Iter 490/10000, Train Loss: 0.0212
2025-03-18	13:06:41,757	- INFO - Iter 500/10000, Train Loss: 0.0212
2025-03-18	13:06:42,073	- INFO - Iter 510/10000, Train Loss: 0.0212
2025-03-18	13:06:42,404	- INFO - Iter 520/10000, Train Loss: 0.0212
2025-03-18	13:06:42,713	- INFO - Iter 530/10000, Train Loss: 0.0211
2025-03-18	13:06:43,027	- INFO - Iter 540/10000, Train Loss: 0.0211
2025-03-18	13:06:43,345	- INFO - Iter 550/10000, Train Loss: 0.0211
2025-03-18	13:06:43,662	- INFO - Iter 560/10000, Train Loss: 0.0211
2025-03-18	13:06:43,988	- INFO - Iter 570/10000, Train Loss: 0.0211
2025-03-18	13:06:44,323	- INFO - Iter 580/10000, Train Loss: 0.0210
2025-03-18	13:06:44,635	- INFO - Iter 590/10000, Train Loss: 0.0210
2025-03-18	13:06:44,962	- INFO - Iter 600/10000, Train Loss: 0.0210
2025-03-18	13:06:45,283	- INFO - Iter 610/10000, Train Loss: 0.0210
2025-03-18	13:06:45,613	- INFO - Iter 620/10000, Train Loss: 0.0210
2025-03-18	13:06:45,932	- INFO - Iter 630/10000, Train Loss: 0.0209
2025-03-18	13:06:46,244	- INFO - Iter 640/10000, Train Loss: 0.0209
2025-03-18	13:06:46,557	- INFO - Iter 650/10000, Train Loss: 0.0209
2025-03-18	13:06:46,902	- INFO - Iter 660/10000, Train Loss: 0.0209
2025-03-18	13:06:47,238	- INFO - Iter 670/10000, Train Loss: 0.0209
2025-03-18	13:06:47,578	- INFO - Iter 680/10000, Train Loss: 0.0209
2025-03-18	13:06:47,903	- INFO - Iter 690/10000, Train Loss: 0.0208
2025-03-18	13:06:48,211	- INFO - Iter 700/10000, Train Loss: 0.0208
2025-03-18	13:06:48,530	- INFO - Iter 710/10000, Train Loss: 0.0208
2025-03-18	13:06:48,842	- INFO - Iter 720/10000, Train Loss: 0.0208

2025-03-18	13:06:49,148	-	INFO	-	Iter	730/10000,	Train Loss:	0.0208
2025-03-18	13:06:49,469	-	INFO	-	Iter	740/10000,	Train Loss:	0.0208
2025-03-18	13:06:49,781	-	INFO	-	Iter	750/10000,	Train Loss:	0.0208
2025-03-18	13:06:50,094	-	INFO	-	Iter	760/10000,	Train Loss:	0.0207
2025-03-18	13:06:50,417	-	INFO	-	Iter	770/10000,	Train Loss:	0.0207
2025-03-18	13:06:50,741	-	INFO	-	Iter	780/10000,	Train Loss:	0.0207
2025-03-18	13:06:51,061	-	INFO	-	Iter	790/10000,	Train Loss:	0.0207
2025-03-18	13:06:51,388	-	INFO	-	Iter	800/10000,	Train Loss:	0.0207
2025-03-18	13:06:51,696	-	INFO	-	Iter	810/10000,	Train Loss:	0.0207
2025-03-18	13:06:52,003	-	INFO	-	Iter	820/10000,	Train Loss:	0.0207
2025-03-18	13:06:52,322	-	INFO	-	Iter	830/10000,	Train Loss:	0.0207
2025-03-18	13:06:52,635	-	INFO	-	Iter	840/10000,	Train Loss:	0.0206
2025-03-18	13:06:52,954	-	INFO	-	Iter	850/10000,	Train Loss:	0.0206
2025-03-18	13:06:53,276	-	INFO	-	Iter	860/10000,	Train Loss:	0.0206
2025-03-18	13:06:53,619	-	INFO	-	Iter	870/10000,	Train Loss:	0.0206
2025-03-18	13:06:53,941	-	INFO	-	Iter	880/10000,	Train Loss:	0.0206
2025-03-18	13:06:54,258	-	INFO	-	Iter	890/10000,	Train Loss:	0.0206
2025-03-18	13:06:54,581	-	INFO	-	Iter	900/10000,	Train Loss:	0.0206
2025-03-18	13:06:54,893	-	INFO	-	Iter	910/10000,	Train Loss:	0.0206
2025-03-18	13:06:55,219	-	INFO	-	Iter	920/10000,	Train Loss:	0.0206
2025-03-18	13:06:55,539	-	INFO	-	Iter	930/10000,	Train Loss:	0.0205
2025-03-18	13:06:55,860	-	INFO	-	Iter	940/10000,	Train Loss:	0.0205
2025-03-18	13:06:56,196	-	INFO	-	Iter	950/10000,	Train Loss:	0.0205
2025-03-18	13:06:56,519	-	INFO	-	Iter	960/10000,	Train Loss:	0.0205
2025-03-18	13:06:56,832	-	INFO	-	Iter	970/10000,	Train Loss:	0.0205
2025-03-18	13:06:57,149	-	INFO	-	Iter	980/10000,	Train Loss:	0.0205
2025-03-18	13:06:57,471	-	INFO	-	Iter	990/10000,	Train Loss:	0.0205
2025-03-18	13:06:57,782	-	INFO	-	Iter	1000/10000,	Train Loss:	0.0205
2025-03-18	13:06:58,096	-	INFO	-	Iter	1010/10000,	Train Loss:	0.0205
2025-03-18	13:06:58,421	-	INFO	-	Iter	1020/10000,	Train Loss:	0.0205
2025-03-18	13:06:58,734	-	INFO	-	Iter	1030/10000,	Train Loss:	0.0205
2025-03-18	13:06:59,044	-	INFO	-	Iter	1040/10000,	Train Loss:	0.0204
2025-03-18	13:06:59,376	-	INFO	-	Iter	1050/10000,	Train Loss:	0.0204
2025-03-18	13:06:59,690	-	INFO	-	Iter	1060/10000,	Train Loss:	0.0204
2025-03-18	13:07:00,001	-	INFO	-	Iter	1070/10000,	Train Loss:	0.0204
2025-03-18	13:07:00,348	-	INFO	-	Iter	1080/10000,	Train Loss:	0.0204
2025-03-18	13:07:00,673	-	INFO	-	Iter	1090/10000,	Train Loss:	0.0204
2025-03-18	13:07:01,008	-	INFO	-	Iter	1100/10000,	Train Loss:	0.0204
2025-03-18	13:07:01,373	-	INFO	-	Iter	1110/10000,	Train Loss:	0.0204
2025-03-18	13:07:01,686	-	INFO	-	Iter	1120/10000,	Train Loss:	0.0204
2025-03-18	13:07:01,997	-	INFO	-	Iter	1130/10000,	Train Loss:	0.0204
2025-03-18	13:07:02,321	-	INFO	-	Iter	1140/10000,	Train Loss:	0.0204
2025-03-18	13:07:02,634	-	INFO	-	Iter	1150/10000,	Train Loss:	0.0204
2025-03-18	13:07:02,948	-	INFO	-	Iter	1160/10000,	Train Loss:	0.0204
2025-03-18	13:07:03,253	-	INFO	-	Iter	1170/10000,	Train Loss:	0.0203
2025-03-18	13:07:0							

2025-03-18	13:07:12,074	-	INFO	-	Iter	1450/10000,	Train Loss:	0.0202
2025-03-18	13:07:12,390	-	INFO	-	Iter	1460/10000,	Train Loss:	0.0202
2025-03-18	13:07:12,698	-	INFO	-	Iter	1470/10000,	Train Loss:	0.0202
2025-03-18	13:07:13,007	-	INFO	-	Iter	1480/10000,	Train Loss:	0.0202
2025-03-18	13:07:13,332	-	INFO	-	Iter	1490/10000,	Train Loss:	0.0201
2025-03-18	13:07:13,641	-	INFO	-	Iter	1500/10000,	Train Loss:	0.0201
2025-03-18	13:07:13,957	-	INFO	-	Iter	1510/10000,	Train Loss:	0.0201
2025-03-18	13:07:14,269	-	INFO	-	Iter	1520/10000,	Train Loss:	0.0201
2025-03-18	13:07:14,585	-	INFO	-	Iter	1530/10000,	Train Loss:	0.0201
2025-03-18	13:07:14,892	-	INFO	-	Iter	1540/10000,	Train Loss:	0.0201
2025-03-18	13:07:15,200	-	INFO	-	Iter	1550/10000,	Train Loss:	0.0201
2025-03-18	13:07:15,526	-	INFO	-	Iter	1560/10000,	Train Loss:	0.0200
2025-03-18	13:07:15,840	-	INFO	-	Iter	1570/10000,	Train Loss:	0.0200
2025-03-18	13:07:16,148	-	INFO	-	Iter	1580/10000,	Train Loss:	0.0201
2025-03-18	13:07:16,462	-	INFO	-	Iter	1590/10000,	Train Loss:	0.0201
2025-03-18	13:07:16,770	-	INFO	-	Iter	1600/10000,	Train Loss:	0.0201
2025-03-18	13:07:17,078	-	INFO	-	Iter	1610/10000,	Train Loss:	0.0201
2025-03-18	13:07:17,391	-	INFO	-	Iter	1620/10000,	Train Loss:	0.0201
2025-03-18	13:07:17,711	-	INFO	-	Iter	1630/10000,	Train Loss:	0.0201
2025-03-18	13:07:18,023	-	INFO	-	Iter	1640/10000,	Train Loss:	0.0201
2025-03-18	13:07:18,337	-	INFO	-	Iter	1650/10000,	Train Loss:	0.0201
2025-03-18	13:07:18,649	-	INFO	-	Iter	1660/10000,	Train Loss:	0.0201
2025-03-18	13:07:18,955	-	INFO	-	Iter	1670/10000,	Train Loss:	0.0201
2025-03-18	13:07:19,271	-	INFO	-	Iter	1680/10000,	Train Loss:	0.0201
2025-03-18	13:07:19,586	-	INFO	-	Iter	1690/10000,	Train Loss:	0.0201
2025-03-18	13:07:19,894	-	INFO	-	Iter	1700/10000,	Train Loss:	0.0201
2025-03-18	13:07:20,213	-	INFO	-	Iter	1710/10000,	Train Loss:	0.0200
2025-03-18	13:07:20,528	-	INFO	-	Iter	1720/10000,	Train Loss:	0.0200
2025-03-18	13:07:20,841	-	INFO	-	Iter	1730/10000,	Train Loss:	0.0200
2025-03-18	13:07:21,165	-	INFO	-	Iter	1740/10000,	Train Loss:	0.0200
2025-03-18	13:07:21,481	-	INFO	-	Iter	1750/10000,	Train Loss:	0.0200
2025-03-18	13:07:21,803	-	INFO	-	Iter	1760/10000,	Train Loss:	0.0200
2025-03-18	13:07:22,112	-	INFO	-	Iter	1770/10000,	Train Loss:	0.0200
2025-03-18	13:07:22,425	-	INFO	-	Iter	1780/10000,	Train Loss:	0.0200
2025-03-18	13:07:22,734	-	INFO	-	Iter	1790/10000,	Train Loss:	0.0200
2025-03-18	13:07:23,040	-	INFO	-	Iter	1800/10000,	Train Loss:	0.0200
2025-03-18	13:07:23,352	-	INFO	-	Iter	1810/10000,	Train Loss:	0.0200
2025-03-18	13:07:23,659	-	INFO	-	Iter	1820/10000,	Train Loss:	0.0200
2025-03-18	13:07:23,969	-	INFO	-	Iter	1830/10000,	Train Loss:	0.0200
2025-03-18	13:07:24,296	-	INFO	-	Iter	1840/10000,	Train Loss:	0.0200
2025-03-18	13:07:24,610	-	INFO	-	Iter	1850/10000,	Train Loss:	0.0200
2025-03-18	13:07:24,914	-	INFO	-	Iter	1860/10000,	Train Loss:	0.0200
2025-03-18	13:07:25,224	-	INFO	-	Iter	1870/10000,	Train Loss:	0.0200
2025-03-18	13:07:25,539	-	INFO	-	Iter	1880/10000,	Train Loss:	0.0200
2025-03-18	13:07:25,845	-	INFO	-	Iter	1890/10000,	Train Loss:	0.0200



2025-03-18	13:07:34,710	-	INFO	-	Iter	2170/10000,	Train Loss:	0.0199
2025-03-18	13:07:35,024	-	INFO	-	Iter	2180/10000,	Train Loss:	0.0199
2025-03-18	13:07:35,339	-	INFO	-	Iter	2190/10000,	Train Loss:	0.0199
2025-03-18	13:07:35,653	-	INFO	-	Iter	2200/10000,	Train Loss:	0.0199
2025-03-18	13:07:35,966	-	INFO	-	Iter	2210/10000,	Train Loss:	0.0199
2025-03-18	13:07:36,274	-	INFO	-	Iter	2220/10000,	Train Loss:	0.0199
2025-03-18	13:07:36,591	-	INFO	-	Iter	2230/10000,	Train Loss:	0.0199
2025-03-18	13:07:36,904	-	INFO	-	Iter	2240/10000,	Train Loss:	0.0199
2025-03-18	13:07:37,223	-	INFO	-	Iter	2250/10000,	Train Loss:	0.0199
2025-03-18	13:07:37,558	-	INFO	-	Iter	2260/10000,	Train Loss:	0.0199
2025-03-18	13:07:37,876	-	INFO	-	Iter	2270/10000,	Train Loss:	0.0199
2025-03-18	13:07:38,187	-	INFO	-	Iter	2280/10000,	Train Loss:	0.0199
2025-03-18	13:07:38,527	-	INFO	-	Iter	2290/10000,	Train Loss:	0.0199
2025-03-18	13:07:38,836	-	INFO	-	Iter	2300/10000,	Train Loss:	0.0199
2025-03-18	13:07:39,143	-	INFO	-	Iter	2310/10000,	Train Loss:	0.0199
2025-03-18	13:07:39,470	-	INFO	-	Iter	2320/10000,	Train Loss:	0.0198
2025-03-18	13:07:39,788	-	INFO	-	Iter	2330/10000,	Train Loss:	0.0198
2025-03-18	13:07:40,096	-	INFO	-	Iter	2340/10000,	Train Loss:	0.0198
2025-03-18	13:07:40,419	-	INFO	-	Iter	2350/10000,	Train Loss:	0.0198
2025-03-18	13:07:40,724	-	INFO	-	Iter	2360/10000,	Train Loss:	0.0198
2025-03-18	13:07:41,035	-	INFO	-	Iter	2370/10000,	Train Loss:	0.0198
2025-03-18	13:07:41,364	-	INFO	-	Iter	2380/10000,	Train Loss:	0.0198
2025-03-18	13:07:41,675	-	INFO	-	Iter	2390/10000,	Train Loss:	0.0198
2025-03-18	13:07:41,993	-	INFO	-	Iter	2400/10000,	Train Loss:	0.0198
2025-03-18	13:07:42,325	-	INFO	-	Iter	2410/10000,	Train Loss:	0.0198
2025-03-18	13:07:42,630	-	INFO	-	Iter	2420/10000,	Train Loss:	0.0198
2025-03-18	13:07:42,944	-	INFO	-	Iter	2430/10000,	Train Loss:	0.0198
2025-03-18	13:07:43,257	-	INFO	-	Iter	2440/10000,	Train Loss:	0.0198
2025-03-18	13:07:43,583	-	INFO	-	Iter	2450/10000,	Train Loss:	0.0198
2025-03-18	13:07:43,893	-	INFO	-	Iter	2460/10000,	Train Loss:	0.0198
2025-03-18	13:07:44,204	-	INFO	-	Iter	2470/10000,	Train Loss:	0.0198
2025-03-18	13:07:44,520	-	INFO	-	Iter	2480/10000,	Train Loss:	0.0198
2025-03-18	13:07:44,828	-	INFO	-	Iter	2490/10000,	Train Loss:	0.0198
2025-03-18	13:07:45,153	-	INFO	-	Iter	2500/10000,	Train Loss:	0.0198
2025-03-18	13:07:45,467	-	INFO	-	Iter	2510/10000,	Train Loss:	0.0198
2025-03-18	13:07:45,774	-	INFO	-	Iter	2520/10000,	Train Loss:	0.0198
2025-03-18	13:07:46,083	-	INFO	-	Iter	2530/10000,	Train Loss:	0.0198
2025-03-18	13:07:46,402	-	INFO	-	Iter	2540/10000,	Train Loss:	0.0198
2025-03-18	13:07:46,711	-	INFO	-	Iter	2550/10000,	Train Loss:	0.0198
2025-03-18	13:07:47,023	-	INFO	-	Iter	2560/10000,	Train Loss:	0.0198
2025-03-18	13:07:47,338	-	INFO	-	Iter	2570/10000,	Train Loss:	0.0198
2025-03-18	13:07:47,658	-	INFO	-	Iter	2580/10000,	Train Loss:	0.0198
2025-03-18	13:07:47,974	-	INFO	-	Iter	2590/10000,	Train Loss:	0.0198
2025-03-18	13:07:48,285	-	INFO	-	Iter	2600/10000,	Train Loss:	0.0198
2025-03-18	13:07:48,613	-	INFO	-	Iter	2610/10000,	Train Loss:	0.0198



2025-03-18	13:07:57,445	-	INFO	-	Iter	2890/10000,	Train Loss:	0.0197
2025-03-18	13:07:57,754	-	INFO	-	Iter	2900/10000,	Train Loss:	0.0197
2025-03-18	13:07:58,063	-	INFO	-	Iter	2910/10000,	Train Loss:	0.0197
2025-03-18	13:07:58,377	-	INFO	-	Iter	2920/10000,	Train Loss:	0.0197
2025-03-18	13:07:58,687	-	INFO	-	Iter	2930/10000,	Train Loss:	0.0197
2025-03-18	13:07:58,996	-	INFO	-	Iter	2940/10000,	Train Loss:	0.0197
2025-03-18	13:07:59,308	-	INFO	-	Iter	2950/10000,	Train Loss:	0.0197
2025-03-18	13:07:59,625	-	INFO	-	Iter	2960/10000,	Train Loss:	0.0197
2025-03-18	13:07:59,938	-	INFO	-	Iter	2970/10000,	Train Loss:	0.0197
2025-03-18	13:08:00,251	-	INFO	-	Iter	2980/10000,	Train Loss:	0.0197
2025-03-18	13:08:00,585	-	INFO	-	Iter	2990/10000,	Train Loss:	0.0197
2025-03-18	13:08:00,898	-	INFO	-	Iter	3000/10000,	Train Loss:	0.0197
2025-03-18	13:08:01,208	-	INFO	-	Iter	3010/10000,	Train Loss:	0.0197
2025-03-18	13:08:01,527	-	INFO	-	Iter	3020/10000,	Train Loss:	0.0197
2025-03-18	13:08:01,835	-	INFO	-	Iter	3030/10000,	Train Loss:	0.0197
2025-03-18	13:08:02,145	-	INFO	-	Iter	3040/10000,	Train Loss:	0.0197
2025-03-18	13:08:02,462	-	INFO	-	Iter	3050/10000,	Train Loss:	0.0197
2025-03-18	13:08:02,782	-	INFO	-	Iter	3060/10000,	Train Loss:	0.0197
2025-03-18	13:08:03,090	-	INFO	-	Iter	3070/10000,	Train Loss:	0.0197
2025-03-18	13:08:03,403	-	INFO	-	Iter	3080/10000,	Train Loss:	0.0197
2025-03-18	13:08:03,712	-	INFO	-	Iter	3090/10000,	Train Loss:	0.0197
2025-03-18	13:08:04,030	-	INFO	-	Iter	3100/10000,	Train Loss:	0.0197
2025-03-18	13:08:04,348	-	INFO	-	Iter	3110/10000,	Train Loss:	0.0197
2025-03-18	13:08:04,660	-	INFO	-	Iter	3120/10000,	Train Loss:	0.0197
2025-03-18	13:08:04,972	-	INFO	-	Iter	3130/10000,	Train Loss:	0.0197
2025-03-18	13:08:05,281	-	INFO	-	Iter	3140/10000,	Train Loss:	0.0197
2025-03-18	13:08:05,607	-	INFO	-	Iter	3150/10000,	Train Loss:	0.0197
2025-03-18	13:08:05,916	-	INFO	-	Iter	3160/10000,	Train Loss:	0.0197
2025-03-18	13:08:06,224	-	INFO	-	Iter	3170/10000,	Train Loss:	0.0197
2025-03-18	13:08:06,542	-	INFO	-	Iter	3180/10000,	Train Loss:	0.0197
2025-03-18	13:08:06,860	-	INFO	-	Iter	3190/10000,	Train Loss:	0.0197
2025-03-18	13:08:07,173	-	INFO	-	Iter	3200/10000,	Train Loss:	0.0197
2025-03-18	13:08:07,506	-	INFO	-	Iter	3210/10000,	Train Loss:	0.0197
2025-03-18	13:08:07,823	-	INFO	-	Iter	3220/10000,	Train Loss:	0.0197
2025-03-18	13:08:08,137	-	INFO	-	Iter	3230/10000,	Train Loss:	0.0197
2025-03-18	13:08:08,457	-	INFO	-	Iter	3240/10000,	Train Loss:	0.0197
2025-03-18	13:08:08,769	-	INFO	-	Iter	3250/10000,	Train Loss:	0.0197
2025-03-18	13:08:09,077	-	INFO	-	Iter	3260/10000,	Train Loss:	0.0197
2025-03-18	13:08:09,396	-	INFO	-	Iter	3270/10000,	Train Loss:	0.0197
2025-03-18	13:08:09,707	-	INFO	-	Iter	3280/10000,	Train Loss:	0.0197
2025-03-18	13:08:10,023	-	INFO	-	Iter	3290/10000,	Train Loss:	0.0197
2025-03-18	13:08:10,337	-	INFO	-	Iter	3300/10000,	Train Loss:	0.0197
2025-03-18	13:08:10,646	-	INFO	-	Iter	3310/10000,	Train Loss:	0.0197
2025-03-18	13:08:10,972	-	INFO	-	Iter	3320/10000,	Train Loss:	0.0197
2025-03-18	13:08:11,287	-	INFO	-	Iter	3330/10000,	Train Loss:	0.0197

2025-03-18	13:08:20,049	-	INFO	-	Iter	3610/10000,	Train	Loss:	0.0196
2025-03-18	13:08:20,366	-	INFO	-	Iter	3620/10000,	Train	Loss:	0.0196
2025-03-18	13:08:20,671	-	INFO	-	Iter	3630/10000,	Train	Loss:	0.0196
2025-03-18	13:08:20,990	-	INFO	-	Iter	3640/10000,	Train	Loss:	0.0196
2025-03-18	13:08:21,315	-	INFO	-	Iter	3650/10000,	Train	Loss:	0.0196
2025-03-18	13:08:21,621	-	INFO	-	Iter	3660/10000,	Train	Loss:	0.0196
2025-03-18	13:08:21,949	-	INFO	-	Iter	3670/10000,	Train	Loss:	0.0196
2025-03-18	13:08:22,257	-	INFO	-	Iter	3680/10000,	Train	Loss:	0.0196
2025-03-18	13:08:22,571	-	INFO	-	Iter	3690/10000,	Train	Loss:	0.0196
2025-03-18	13:08:22,884	-	INFO	-	Iter	3700/10000,	Train	Loss:	0.0196
2025-03-18	13:08:23,203	-	INFO	-	Iter	3710/10000,	Train	Loss:	0.0196
2025-03-18	13:08:23,517	-	INFO	-	Iter	3720/10000,	Train	Loss:	0.0196
2025-03-18	13:08:23,829	-	INFO	-	Iter	3730/10000,	Train	Loss:	0.0196
2025-03-18	13:08:24,152	-	INFO	-	Iter	3740/10000,	Train	Loss:	0.0196
2025-03-18	13:08:24,466	-	INFO	-	Iter	3750/10000,	Train	Loss:	0.0196
2025-03-18	13:08:24,773	-	INFO	-	Iter	3760/10000,	Train	Loss:	0.0196
2025-03-18	13:08:25,081	-	INFO	-	Iter	3770/10000,	Train	Loss:	0.0196
2025-03-18	13:08:25,400	-	INFO	-	Iter	3780/10000,	Train	Loss:	0.0196
2025-03-18	13:08:25,708	-	INFO	-	Iter	3790/10000,	Train	Loss:	0.0196
2025-03-18	13:08:26,022	-	INFO	-	Iter	3800/10000,	Train	Loss:	0.0196
2025-03-18	13:08:26,334	-	INFO	-	Iter	3810/10000,	Train	Loss:	0.0196
2025-03-18	13:08:26,638	-	INFO	-	Iter	3820/10000,	Train	Loss:	0.0196
2025-03-18	13:08:26,952	-	INFO	-	Iter	3830/10000,	Train	Loss:	0.0196
2025-03-18	13:08:27,272	-	INFO	-	Iter	3840/10000,	Train	Loss:	0.0196
2025-03-18	13:08:27,601	-	INFO	-	Iter	3850/10000,	Train	Loss:	0.0196
2025-03-18	13:08:27,909	-	INFO	-	Iter	3860/10000,	Train	Loss:	0.0196
2025-03-18	13:08:28,214	-	INFO	-	Iter	3870/10000,	Train	Loss:	0.0196
2025-03-18	13:08:28,530	-	INFO	-	Iter	3880/10000,	Train	Loss:	0.0196
2025-03-18	13:08:28,839	-	INFO	-	Iter	3890/10000,	Train	Loss:	0.0196
2025-03-18	13:08:29,157	-	INFO	-	Iter	3900/10000,	Train	Loss:	0.0196
2025-03-18	13:08:29,477	-	INFO	-	Iter	3910/10000,	Train	Loss:	0.0196
2025-03-18	13:08:29,782	-	INFO	-	Iter	3920/10000,	Train	Loss:	0.0196
2025-03-18	13:08:30,087	-	INFO	-	Iter	3930/10000,	Train	Loss:	0.0196
2025-03-18	13:08:30,401	-	INFO	-	Iter	3940/10000,	Train	Loss:	0.0196
2025-03-18	13:08:30,706	-	INFO	-	Iter	3950/10000,	Train	Loss:	0.0196
2025-03-18	13:08:31,027	-	INFO	-	Iter	3960/10000,	Train	Loss:	0.0196
2025-03-18	13:08:31,345	-	INFO	-	Iter	3970/10000,	Train	Loss:	0.0196
2025-03-18	13:08:31,656	-	INFO	-	Iter	3980/10000,	Train	Loss:	0.0196
2025-03-18	13:08:31,965	-	INFO	-	Iter	3990/10000,	Train	Loss:	0.0196
2025-03-18	13:08:32,270	-	INFO	-	Iter	4000/10000,	Train	Loss:	0.0196
2025-03-18	13:08:32,591	-	INFO	-	Iter	4010/10000,	Train	Loss:	0.0196
2025-03-18	13:08:32,903	-	INFO	-	Iter	4020/10000,	Train	Loss:	0.0196
2025-03-18	13:08:33,229	-	INFO	-	Iter	4030			

2025-03-18	13:08:42,682	-	INFO	-	Iter	4330/10000,	Train Loss:	0.0195
2025-03-18	13:08:42,988	-	INFO	-	Iter	4340/10000,	Train Loss:	0.0195
2025-03-18	13:08:43,301	-	INFO	-	Iter	4350/10000,	Train Loss:	0.0195
2025-03-18	13:08:43,626	-	INFO	-	Iter	4360/10000,	Train Loss:	0.0195
2025-03-18	13:08:43,932	-	INFO	-	Iter	4370/10000,	Train Loss:	0.0195
2025-03-18	13:08:44,249	-	INFO	-	Iter	4380/10000,	Train Loss:	0.0195
2025-03-18	13:08:44,564	-	INFO	-	Iter	4390/10000,	Train Loss:	0.0195
2025-03-18	13:08:44,868	-	INFO	-	Iter	4400/10000,	Train Loss:	0.0195
2025-03-18	13:08:45,178	-	INFO	-	Iter	4410/10000,	Train Loss:	0.0195
2025-03-18	13:08:45,491	-	INFO	-	Iter	4420/10000,	Train Loss:	0.0195
2025-03-18	13:08:45,797	-	INFO	-	Iter	4430/10000,	Train Loss:	0.0195
2025-03-18	13:08:46,107	-	INFO	-	Iter	4440/10000,	Train Loss:	0.0195
2025-03-18	13:08:46,432	-	INFO	-	Iter	4450/10000,	Train Loss:	0.0195
2025-03-18	13:08:46,736	-	INFO	-	Iter	4460/10000,	Train Loss:	0.0195
2025-03-18	13:08:47,042	-	INFO	-	Iter	4470/10000,	Train Loss:	0.0195
2025-03-18	13:08:47,355	-	INFO	-	Iter	4480/10000,	Train Loss:	0.0195
2025-03-18	13:08:47,687	-	INFO	-	Iter	4490/10000,	Train Loss:	0.0195
2025-03-18	13:08:48,003	-	INFO	-	Iter	4500/10000,	Train Loss:	0.0195
2025-03-18	13:08:48,325	-	INFO	-	Iter	4510/10000,	Train Loss:	0.0195
2025-03-18	13:08:48,634	-	INFO	-	Iter	4520/10000,	Train Loss:	0.0195
2025-03-18	13:08:48,939	-	INFO	-	Iter	4530/10000,	Train Loss:	0.0195
2025-03-18	13:08:49,248	-	INFO	-	Iter	4540/10000,	Train Loss:	0.0195
2025-03-18	13:08:49,561	-	INFO	-	Iter	4550/10000,	Train Loss:	0.0195
2025-03-18	13:08:49,882	-	INFO	-	Iter	4560/10000,	Train Loss:	0.0195
2025-03-18	13:08:50,187	-	INFO	-	Iter	4570/10000,	Train Loss:	0.0195
2025-03-18	13:08:50,502	-	INFO	-	Iter	4580/10000,	Train Loss:	0.0195
2025-03-18	13:08:50,812	-	INFO	-	Iter	4590/10000,	Train Loss:	0.0195
2025-03-18	13:08:51,120	-	INFO	-	Iter	4600/10000,	Train Loss:	0.0195
2025-03-18	13:08:51,441	-	INFO	-	Iter	4610/10000,	Train Loss:	0.0195
2025-03-18	13:08:51,752	-	INFO	-	Iter	4620/10000,	Train Loss:	0.0195
2025-03-18	13:08:52,057	-	INFO	-	Iter	4630/10000,	Train Loss:	0.0195
2025-03-18	13:08:52,374	-	INFO	-	Iter	4640/10000,	Train Loss:	0.0195
2025-03-18	13:08:52,687	-	INFO	-	Iter	4650/10000,	Train Loss:	0.0195
2025-03-18	13:08:52,990	-	INFO	-	Iter	4660/10000,	Train Loss:	0.0195
2025-03-18	13:08:53,313	-	INFO	-	Iter	4670/10000,	Train Loss:	0.0195
2025-03-18	13:08:53,641	-	INFO	-	Iter	4680/10000,	Train Loss:	0.0195
2025-03-18	13:08:53,962	-	INFO	-	Iter	4690/10000,	Train Loss:	0.0195
2025-03-18	13:08:54,272	-	INFO	-	Iter	4700/10000,	Train Loss:	0.0195
2025-03-18	13:08:54,585	-	INFO	-	Iter	4710/10000,	Train Loss:	0.0195
2025-03-18	13:08:54,897	-	INFO	-	Iter	4720/10000,	Train Loss:	0.0195
2025-03-18	13:08:55,205	-	INFO	-	Iter	4730/10000,	Train Loss:	0.0195
2025-03-18	13:08:55,536	-	INFO	-	Iter	4740/10000,	Train Loss:	0.0195
2025-03-18	13:08:55,843	-	INFO	-	Iter	4750/10000,	Train Loss:	0.0195
2025-03-18	13:08:56,154	-	INFO	-	Iter	4760/10000,	Train Loss:	0.0195
2025-03-18	13:08:56,465	-	INFO	-	Iter	4770/10000,	Train Loss:	0.0195

2025-03-18	13:09:05,338	-	INFO	-	Iter	5050/10000,	Train Loss:	0.0195
2025-03-18	13:09:05,654	-	INFO	-	Iter	5060/10000,	Train Loss:	0.0195
2025-03-18	13:09:05,966	-	INFO	-	Iter	5070/10000,	Train Loss:	0.0195
2025-03-18	13:09:06,280	-	INFO	-	Iter	5080/10000,	Train Loss:	0.0195
2025-03-18	13:09:06,605	-	INFO	-	Iter	5090/10000,	Train Loss:	0.0195
2025-03-18	13:09:06,917	-	INFO	-	Iter	5100/10000,	Train Loss:	0.0195
2025-03-18	13:09:07,225	-	INFO	-	Iter	5110/10000,	Train Loss:	0.0195
2025-03-18	13:09:07,536	-	INFO	-	Iter	5120/10000,	Train Loss:	0.0195
2025-03-18	13:09:07,848	-	INFO	-	Iter	5130/10000,	Train Loss:	0.0195
2025-03-18	13:09:08,155	-	INFO	-	Iter	5140/10000,	Train Loss:	0.0195
2025-03-18	13:09:08,468	-	INFO	-	Iter	5150/10000,	Train Loss:	0.0195
2025-03-18	13:09:08,790	-	INFO	-	Iter	5160/10000,	Train Loss:	0.0195
2025-03-18	13:09:09,097	-	INFO	-	Iter	5170/10000,	Train Loss:	0.0195
2025-03-18	13:09:09,428	-	INFO	-	Iter	5180/10000,	Train Loss:	0.0195
2025-03-18	13:09:09,740	-	INFO	-	Iter	5190/10000,	Train Loss:	0.0195
2025-03-18	13:09:10,051	-	INFO	-	Iter	5200/10000,	Train Loss:	0.0195
2025-03-18	13:09:10,372	-	INFO	-	Iter	5210/10000,	Train Loss:	0.0195
2025-03-18	13:09:10,683	-	INFO	-	Iter	5220/10000,	Train Loss:	0.0195
2025-03-18	13:09:11,003	-	INFO	-	Iter	5230/10000,	Train Loss:	0.0195
2025-03-18	13:09:11,323	-	INFO	-	Iter	5240/10000,	Train Loss:	0.0195
2025-03-18	13:09:11,634	-	INFO	-	Iter	5250/10000,	Train Loss:	0.0195
2025-03-18	13:09:11,946	-	INFO	-	Iter	5260/10000,	Train Loss:	0.0195
2025-03-18	13:09:12,253	-	INFO	-	Iter	5270/10000,	Train Loss:	0.0195
2025-03-18	13:09:12,572	-	INFO	-	Iter	5280/10000,	Train Loss:	0.0195
2025-03-18	13:09:12,901	-	INFO	-	Iter	5290/10000,	Train Loss:	0.0195
2025-03-18	13:09:13,211	-	INFO	-	Iter	5300/10000,	Train Loss:	0.0195
2025-03-18	13:09:13,523	-	INFO	-	Iter	5310/10000,	Train Loss:	0.0195
2025-03-18	13:09:13,836	-	INFO	-	Iter	5320/10000,	Train Loss:	0.0195
2025-03-18	13:09:14,161	-	INFO	-	Iter	5330/10000,	Train Loss:	0.0195
2025-03-18	13:09:14,482	-	INFO	-	Iter	5340/10000,	Train Loss:	0.0195
2025-03-18	13:09:14,797	-	INFO	-	Iter	5350/10000,	Train Loss:	0.0195
2025-03-18	13:09:15,117	-	INFO	-	Iter	5360/10000,	Train Loss:	0.0195
2025-03-18	13:09:15,433	-	INFO	-	Iter	5370/10000,	Train Loss:	0.0195
2025-03-18	13:09:15,746	-	INFO	-	Iter	5380/10000,	Train Loss:	0.0195
2025-03-18	13:09:16,058	-	INFO	-	Iter	5390/10000,	Train Loss:	0.0195
2025-03-18	13:09:16,377	-	INFO	-	Iter	5400/10000,	Train Loss:	0.0195
2025-03-18	13:09:16,685	-	INFO	-	Iter	5410/10000,	Train Loss:	0.0195
2025-03-18	13:09:16,993	-	INFO	-	Iter	5420/10000,	Train Loss:	0.0195
2025-03-18	13:09:17,310	-	INFO	-	Iter	5430/10000,	Train Loss:	0.0195
2025-03-18	13:09:17,613	-	INFO	-	Iter	5440/10000,	Train Loss:	0.0195
2025-03-18	13:09:17,932	-	INFO	-	Iter	5450/10000,	Train Loss:	0.0195
2025-03-18	13:09:18,259	-	INFO	-	Iter	5460/10000,	Train Loss:	0.0195
2025-03-18	13:09:18,582	-	INFO	-	Iter	5470/10000,	Train Loss:	0.0195
2025-03-18	13:09:18,901	-	INFO	-	Iter	5480/10000,	Train Loss:	0.0195
2025-03-18	13:09:19,212	-	INFO	-	Iter	5490/10000,	Train Loss:	0.0195



2025-03-18	13:09:28,207	-	INFO	-	Iter	5770/10000,	Train Loss:	0.0194
2025-03-18	13:09:28,535	-	INFO	-	Iter	5780/10000,	Train Loss:	0.0194
2025-03-18	13:09:28,848	-	INFO	-	Iter	5790/10000,	Train Loss:	0.0194
2025-03-18	13:09:29,163	-	INFO	-	Iter	5800/10000,	Train Loss:	0.0194
2025-03-18	13:09:29,491	-	INFO	-	Iter	5810/10000,	Train Loss:	0.0194
2025-03-18	13:09:29,820	-	INFO	-	Iter	5820/10000,	Train Loss:	0.0194
2025-03-18	13:09:30,141	-	INFO	-	Iter	5830/10000,	Train Loss:	0.0194
2025-03-18	13:09:30,457	-	INFO	-	Iter	5840/10000,	Train Loss:	0.0194
2025-03-18	13:09:30,768	-	INFO	-	Iter	5850/10000,	Train Loss:	0.0194
2025-03-18	13:09:31,078	-	INFO	-	Iter	5860/10000,	Train Loss:	0.0194
2025-03-18	13:09:31,405	-	INFO	-	Iter	5870/10000,	Train Loss:	0.0194
2025-03-18	13:09:31,722	-	INFO	-	Iter	5880/10000,	Train Loss:	0.0194
2025-03-18	13:09:32,040	-	INFO	-	Iter	5890/10000,	Train Loss:	0.0194
2025-03-18	13:09:32,356	-	INFO	-	Iter	5900/10000,	Train Loss:	0.0194
2025-03-18	13:09:32,668	-	INFO	-	Iter	5910/10000,	Train Loss:	0.0194
2025-03-18	13:09:32,980	-	INFO	-	Iter	5920/10000,	Train Loss:	0.0194
2025-03-18	13:09:33,297	-	INFO	-	Iter	5930/10000,	Train Loss:	0.0194
2025-03-18	13:09:33,621	-	INFO	-	Iter	5940/10000,	Train Loss:	0.0194
2025-03-18	13:09:33,937	-	INFO	-	Iter	5950/10000,	Train Loss:	0.0194
2025-03-18	13:09:34,252	-	INFO	-	Iter	5960/10000,	Train Loss:	0.0194
2025-03-18	13:09:34,576	-	INFO	-	Iter	5970/10000,	Train Loss:	0.0194
2025-03-18	13:09:34,889	-	INFO	-	Iter	5980/10000,	Train Loss:	0.0194
2025-03-18	13:09:35,203	-	INFO	-	Iter	5990/10000,	Train Loss:	0.0194
2025-03-18	13:09:35,534	-	INFO	-	Iter	6000/10000,	Train Loss:	0.0194
2025-03-18	13:09:35,851	-	INFO	-	Iter	6010/10000,	Train Loss:	0.0194
2025-03-18	13:09:36,162	-	INFO	-	Iter	6020/10000,	Train Loss:	0.0194
2025-03-18	13:09:36,479	-	INFO	-	Iter	6030/10000,	Train Loss:	0.0194
2025-03-18	13:09:36,783	-	INFO	-	Iter	6040/10000,	Train Loss:	0.0194
2025-03-18	13:09:37,088	-	INFO	-	Iter	6050/10000,	Train Loss:	0.0194
2025-03-18	13:09:37,414	-	INFO	-	Iter	6060/10000,	Train Loss:	0.0194
2025-03-18	13:09:37,740	-	INFO	-	Iter	6070/10000,	Train Loss:	0.0194
2025-03-18	13:09:38,061	-	INFO	-	Iter	6080/10000,	Train Loss:	0.0194
2025-03-18	13:09:38,373	-	INFO	-	Iter	6090/10000,	Train Loss:	0.0194
2025-03-18	13:09:38,690	-	INFO	-	Iter	6100/10000,	Train Loss:	0.0194
2025-03-18	13:09:39,008	-	INFO	-	Iter	6110/10000,	Train Loss:	0.0194
2025-03-18	13:09:39,316	-	INFO	-	Iter	6120/10000,	Train Loss:	0.0194
2025-03-18	13:09:39,620	-	INFO	-	Iter	6130/10000,	Train Loss:	0.0194
2025-03-18	13:09:39,921	-	INFO	-	Iter	6140/10000,	Train Loss:	0.0194
2025-03-18	13:09:40,221	-	INFO	-	Iter	6150/10000,	Train Loss:	0.0194
2025-03-18	13:09:40,540	-	INFO	-	Iter	6160/10000,	Train Loss:	0.0194
2025-03-18	13:09:40,867	-	INFO	-	Iter	6170/10000,	Train Loss:	0.0194
2025-03-18	13:09:41,195	-	INFO	-	Iter	6180/10000,	Train Loss:	0.0194
2025-03-18	13:09:41,521	-	INFO	-	Iter	6190/10000,	Train Loss:	0.0194
2025-03-18	13:09:41,853	-	INFO	-	Iter	6200/10000,	Train Loss:	0.0194
2025-03-18	13:09:42,184	-	INFO	-	Iter	6210/10000,	Train Loss:	0.0194



2025-03-18	13:09:51,035	-	INFO	-	Iter	6490/10000,	Train Loss:	0.0194
2025-03-18	13:09:51,350	-	INFO	-	Iter	6500/10000,	Train Loss:	0.0194
2025-03-18	13:09:51,661	-	INFO	-	Iter	6510/10000,	Train Loss:	0.0194
2025-03-18	13:09:51,967	-	INFO	-	Iter	6520/10000,	Train Loss:	0.0194
2025-03-18	13:09:52,284	-	INFO	-	Iter	6530/10000,	Train Loss:	0.0194
2025-03-18	13:09:52,615	-	INFO	-	Iter	6540/10000,	Train Loss:	0.0194
2025-03-18	13:09:52,935	-	INFO	-	Iter	6550/10000,	Train Loss:	0.0194
2025-03-18	13:09:53,251	-	INFO	-	Iter	6560/10000,	Train Loss:	0.0194
2025-03-18	13:09:53,588	-	INFO	-	Iter	6570/10000,	Train Loss:	0.0194
2025-03-18	13:09:53,899	-	INFO	-	Iter	6580/10000,	Train Loss:	0.0194
2025-03-18	13:09:54,221	-	INFO	-	Iter	6590/10000,	Train Loss:	0.0194
2025-03-18	13:09:54,550	-	INFO	-	Iter	6600/10000,	Train Loss:	0.0194
2025-03-18	13:09:54,890	-	INFO	-	Iter	6610/10000,	Train Loss:	0.0194
2025-03-18	13:09:55,224	-	INFO	-	Iter	6620/10000,	Train Loss:	0.0194
2025-03-18	13:09:55,548	-	INFO	-	Iter	6630/10000,	Train Loss:	0.0194
2025-03-18	13:09:55,865	-	INFO	-	Iter	6640/10000,	Train Loss:	0.0194
2025-03-18	13:09:56,174	-	INFO	-	Iter	6650/10000,	Train Loss:	0.0194
2025-03-18	13:09:56,493	-	INFO	-	Iter	6660/10000,	Train Loss:	0.0194
2025-03-18	13:09:56,815	-	INFO	-	Iter	6670/10000,	Train Loss:	0.0194
2025-03-18	13:09:57,152	-	INFO	-	Iter	6680/10000,	Train Loss:	0.0194
2025-03-18	13:09:57,481	-	INFO	-	Iter	6690/10000,	Train Loss:	0.0194
2025-03-18	13:09:57,798	-	INFO	-	Iter	6700/10000,	Train Loss:	0.0194
2025-03-18	13:09:58,112	-	INFO	-	Iter	6710/10000,	Train Loss:	0.0194
2025-03-18	13:09:58,425	-	INFO	-	Iter	6720/10000,	Train Loss:	0.0194
2025-03-18	13:09:58,737	-	INFO	-	Iter	6730/10000,	Train Loss:	0.0194
2025-03-18	13:09:59,043	-	INFO	-	Iter	6740/10000,	Train Loss:	0.0194
2025-03-18	13:09:59,389	-	INFO	-	Iter	6750/10000,	Train Loss:	0.0194
2025-03-18	13:09:59,724	-	INFO	-	Iter	6760/10000,	Train Loss:	0.0194
2025-03-18	13:10:00,057	-	INFO	-	Iter	6770/10000,	Train Loss:	0.0194
2025-03-18	13:10:00,382	-	INFO	-	Iter	6780/10000,	Train Loss:	0.0194
2025-03-18	13:10:00,688	-	INFO	-	Iter	6790/10000,	Train Loss:	0.0194
2025-03-18	13:10:00,999	-	INFO	-	Iter	6800/10000,	Train Loss:	0.0194
2025-03-18	13:10:01,314	-	INFO	-	Iter	6810/10000,	Train Loss:	0.0194
2025-03-18	13:10:01,639	-	INFO	-	Iter	6820/10000,	Train Loss:	0.0194
2025-03-18	13:10:01,964	-	INFO	-	Iter	6830/10000,	Train Loss:	0.0194
2025-03-18	13:10:02,314	-	INFO	-	Iter	6840/10000,	Train Loss:	0.0194
2025-03-18	13:10:02,621	-	INFO	-	Iter	6850/10000,	Train Loss:	0.0194
2025-03-18	13:10:02,931	-	INFO	-	Iter	6860/10000,	Train Loss:	0.0194
2025-03-18	13:10:03,235	-	INFO	-	Iter	6870/10000,	Train Loss:	0.0194
2025-03-18	13:10:03,575	-	INFO	-	Iter	6880/10000,	Train Loss:	0.0194
2025-03-18	13:10:03,886	-	INFO	-	Iter	6890/10000,	Train Loss:	0.0194
2025-03-18	13:10:04,233	-	INFO	-	Iter	6900/10000,	Train Loss:	0.0194
2025-03-18	13:10:04,547	-	INFO	-	Iter	6910/10000,	Train Loss:	0.0194
2025-03-18	13:10:04,868	-	INFO	-	Iter	6920/10000,	Train Loss:	0.0194
2025-03-18	13:10:05,220	-	INFO	-	Iter	6930/10000,	Train Loss:	0.0194

2025-03-18	13:10:14,123	-	INFO	-	Iter	7210/10000,	Train Loss:	0.0194
2025-03-18	13:10:14,452	-	INFO	-	Iter	7220/10000,	Train Loss:	0.0194
2025-03-18	13:10:14,783	-	INFO	-	Iter	7230/10000,	Train Loss:	0.0194
2025-03-18	13:10:15,115	-	INFO	-	Iter	7240/10000,	Train Loss:	0.0194
2025-03-18	13:10:15,456	-	INFO	-	Iter	7250/10000,	Train Loss:	0.0194
2025-03-18	13:10:15,777	-	INFO	-	Iter	7260/10000,	Train Loss:	0.0194
2025-03-18	13:10:16,120	-	INFO	-	Iter	7270/10000,	Train Loss:	0.0194
2025-03-18	13:10:16,453	-	INFO	-	Iter	7280/10000,	Train Loss:	0.0194
2025-03-18	13:10:16,771	-	INFO	-	Iter	7290/10000,	Train Loss:	0.0194
2025-03-18	13:10:17,084	-	INFO	-	Iter	7300/10000,	Train Loss:	0.0194
2025-03-18	13:10:17,414	-	INFO	-	Iter	7310/10000,	Train Loss:	0.0194
2025-03-18	13:10:17,726	-	INFO	-	Iter	7320/10000,	Train Loss:	0.0194
2025-03-18	13:10:18,038	-	INFO	-	Iter	7330/10000,	Train Loss:	0.0194
2025-03-18	13:10:18,354	-	INFO	-	Iter	7340/10000,	Train Loss:	0.0194
2025-03-18	13:10:18,665	-	INFO	-	Iter	7350/10000,	Train Loss:	0.0194
2025-03-18	13:10:18,973	-	INFO	-	Iter	7360/10000,	Train Loss:	0.0194
2025-03-18	13:10:19,286	-	INFO	-	Iter	7370/10000,	Train Loss:	0.0194
2025-03-18	13:10:19,598	-	INFO	-	Iter	7380/10000,	Train Loss:	0.0194
2025-03-18	13:10:19,906	-	INFO	-	Iter	7390/10000,	Train Loss:	0.0194
2025-03-18	13:10:20,212	-	INFO	-	Iter	7400/10000,	Train Loss:	0.0194
2025-03-18	13:10:20,532	-	INFO	-	Iter	7410/10000,	Train Loss:	0.0194
2025-03-18	13:10:20,843	-	INFO	-	Iter	7420/10000,	Train Loss:	0.0194
2025-03-18	13:10:21,159	-	INFO	-	Iter	7430/10000,	Train Loss:	0.0194
2025-03-18	13:10:21,472	-	INFO	-	Iter	7440/10000,	Train Loss:	0.0194
2025-03-18	13:10:21,787	-	INFO	-	Iter	7450/10000,	Train Loss:	0.0194
2025-03-18	13:10:22,112	-	INFO	-	Iter	7460/10000,	Train Loss:	0.0194
2025-03-18	13:10:22,429	-	INFO	-	Iter	7470/10000,	Train Loss:	0.0194
2025-03-18	13:10:22,740	-	INFO	-	Iter	7480/10000,	Train Loss:	0.0194
2025-03-18	13:10:23,051	-	INFO	-	Iter	7490/10000,	Train Loss:	0.0194
2025-03-18	13:10:23,370	-	INFO	-	Iter	7500/10000,	Train Loss:	0.0194
2025-03-18	13:10:23,689	-	INFO	-	Iter	7510/10000,	Train Loss:	0.0194
2025-03-18	13:10:24,001	-	INFO	-	Iter	7520/10000,	Train Loss:	0.0194
2025-03-18	13:10:24,314	-	INFO	-	Iter	7530/10000,	Train Loss:	0.0194
2025-03-18	13:10:24,637	-	INFO	-	Iter	7540/10000,	Train Loss:	0.0194
2025-03-18	13:10:24,957	-	INFO	-	Iter	7550/10000,	Train Loss:	0.0194
2025-03-18	13:10:25,269	-	INFO	-	Iter	7560/10000,	Train Loss:	0.0194
2025-03-18	13:10:25,591	-	INFO	-	Iter	7570/10000,	Train Loss:	0.0194
2025-03-18	13:10:25,906	-	INFO	-	Iter	7580/10000,	Train Loss:	0.0194
2025-03-18	13:10:26,216	-	INFO	-	Iter	7590/10000,	Train Loss:	0.0194
2025-03-18	13:10:26,534	-	INFO	-	Iter	7600/10000,	Train Loss:	0.0194
2025-03-18	13:10:26,841	-	INFO	-	Iter	7610/10000,	Train Loss:	0.0194
2025-03-18	13:10:27,149	-	INFO	-	Iter	7620/10000,	Train Loss:	0.0194
2025-03-18	13:10:27,464	-	INFO	-	Iter	7630/10000,	Train Loss:	0.0194
2025-03-18	13:10:27,771	-	INFO	-	Iter	7640/10000,	Train Loss:	0.0194
2025-03-18	13:10:28,081	-	INFO	-	Iter	7650/10000,	Train Loss:	0.0194

2025-03-18	13:10:36,812	-	INFO	-	Iter	7930/10000,	Train Loss:	0.0193
2025-03-18	13:10:37,119	-	INFO	-	Iter	7940/10000,	Train Loss:	0.0193
2025-03-18	13:10:37,435	-	INFO	-	Iter	7950/10000,	Train Loss:	0.0193
2025-03-18	13:10:37,743	-	INFO	-	Iter	7960/10000,	Train Loss:	0.0193
2025-03-18	13:10:38,052	-	INFO	-	Iter	7970/10000,	Train Loss:	0.0193
2025-03-18	13:10:38,373	-	INFO	-	Iter	7980/10000,	Train Loss:	0.0193
2025-03-18	13:10:38,683	-	INFO	-	Iter	7990/10000,	Train Loss:	0.0193
2025-03-18	13:10:38,986	-	INFO	-	Iter	8000/10000,	Train Loss:	0.0193
2025-03-18	13:10:39,300	-	INFO	-	Iter	8010/10000,	Train Loss:	0.0193
2025-03-18	13:10:39,611	-	INFO	-	Iter	8020/10000,	Train Loss:	0.0193
2025-03-18	13:10:39,920	-	INFO	-	Iter	8030/10000,	Train Loss:	0.0193
2025-03-18	13:10:40,224	-	INFO	-	Iter	8040/10000,	Train Loss:	0.0193
2025-03-18	13:10:40,539	-	INFO	-	Iter	8050/10000,	Train Loss:	0.0193
2025-03-18	13:10:40,851	-	INFO	-	Iter	8060/10000,	Train Loss:	0.0193
2025-03-18	13:10:41,168	-	INFO	-	Iter	8070/10000,	Train Loss:	0.0193
2025-03-18	13:10:41,500	-	INFO	-	Iter	8080/10000,	Train Loss:	0.0193
2025-03-18	13:10:41,807	-	INFO	-	Iter	8090/10000,	Train Loss:	0.0193
2025-03-18	13:10:42,115	-	INFO	-	Iter	8100/10000,	Train Loss:	0.0193
2025-03-18	13:10:42,426	-	INFO	-	Iter	8110/10000,	Train Loss:	0.0193
2025-03-18	13:10:42,729	-	INFO	-	Iter	8120/10000,	Train Loss:	0.0193
2025-03-18	13:10:43,035	-	INFO	-	Iter	8130/10000,	Train Loss:	0.0193
2025-03-18	13:10:43,350	-	INFO	-	Iter	8140/10000,	Train Loss:	0.0193
2025-03-18	13:10:43,659	-	INFO	-	Iter	8150/10000,	Train Loss:	0.0193
2025-03-18	13:10:43,966	-	INFO	-	Iter	8160/10000,	Train Loss:	0.0193
2025-03-18	13:10:44,277	-	INFO	-	Iter	8170/10000,	Train Loss:	0.0193
2025-03-18	13:10:44,588	-	INFO	-	Iter	8180/10000,	Train Loss:	0.0193
2025-03-18	13:10:44,892	-	INFO	-	Iter	8190/10000,	Train Loss:	0.0193
2025-03-18	13:10:45,200	-	INFO	-	Iter	8200/10000,	Train Loss:	0.0193
2025-03-18	13:10:45,511	-	INFO	-	Iter	8210/10000,	Train Loss:	0.0193
2025-03-18	13:10:45,819	-	INFO	-	Iter	8220/10000,	Train Loss:	0.0193
2025-03-18	13:10:46,146	-	INFO	-	Iter	8230/10000,	Train Loss:	0.0193
2025-03-18	13:10:46,457	-	INFO	-	Iter	8240/10000,	Train Loss:	0.0193
2025-03-18	13:10:46,766	-	INFO	-	Iter	8250/10000,	Train Loss:	0.0193
2025-03-18	13:10:47,070	-	INFO	-	Iter	8260/10000,	Train Loss:	0.0193
2025-03-18	13:10:47,385	-	INFO	-	Iter	8270/10000,	Train Loss:	0.0193
2025-03-18	13:10:47,691	-	INFO	-	Iter	8280/10000,	Train Loss:	0.0193
2025-03-18	13:10:48,013	-	INFO	-	Iter	8290/10000,	Train Loss:	0.0193
2025-03-18	13:10:48,335	-	INFO	-	Iter	8300/10000,	Train Loss:	0.0193
2025-03-18	13:10:48,644	-	INFO	-	Iter	8310/10000,	Train Loss:	0.0193
2025-03-18	13:10:48,952	-	INFO	-	Iter	8320/10000,	Train Loss:	0.0193
2025-03-18	13:10:49,257	-	INFO	-	Iter	8330/10000,	Train Loss:	0.0193
2025-03-18	13:10:49,569	-	INFO	-	Iter	8340/10000,	Train Loss:	0.0193
2025-03-18	13:10:49,886	-	INFO	-	Iter	8350/10000,	Train Loss:	0.0193
2025-03-18	13:10:50,195	-	INFO	-	Iter	8360/10000,	Train Loss:	0.0193
2025-03-18	13:10:50,503	-	INFO	-	Iter	8370/10000,	Train Loss:	0.0193

2025-03-18	13:10:59,269	-	INFO	-	Iter	8650/10000,	Train Loss:	0.0193
2025-03-18	13:10:59,584	-	INFO	-	Iter	8660/10000,	Train Loss:	0.0193
2025-03-18	13:10:59,890	-	INFO	-	Iter	8670/10000,	Train Loss:	0.0193
2025-03-18	13:11:00,215	-	INFO	-	Iter	8680/10000,	Train Loss:	0.0193
2025-03-18	13:11:00,550	-	INFO	-	Iter	8690/10000,	Train Loss:	0.0193
2025-03-18	13:11:00,874	-	INFO	-	Iter	8700/10000,	Train Loss:	0.0193
2025-03-18	13:11:01,197	-	INFO	-	Iter	8710/10000,	Train Loss:	0.0193
2025-03-18	13:11:01,529	-	INFO	-	Iter	8720/10000,	Train Loss:	0.0193
2025-03-18	13:11:01,855	-	INFO	-	Iter	8730/10000,	Train Loss:	0.0193
2025-03-18	13:11:02,166	-	INFO	-	Iter	8740/10000,	Train Loss:	0.0193
2025-03-18	13:11:02,485	-	INFO	-	Iter	8750/10000,	Train Loss:	0.0193
2025-03-18	13:11:02,796	-	INFO	-	Iter	8760/10000,	Train Loss:	0.0193
2025-03-18	13:11:03,102	-	INFO	-	Iter	8770/10000,	Train Loss:	0.0193
2025-03-18	13:11:03,413	-	INFO	-	Iter	8780/10000,	Train Loss:	0.0193
2025-03-18	13:11:03,719	-	INFO	-	Iter	8790/10000,	Train Loss:	0.0193
2025-03-18	13:11:04,035	-	INFO	-	Iter	8800/10000,	Train Loss:	0.0193
2025-03-18	13:11:04,352	-	INFO	-	Iter	8810/10000,	Train Loss:	0.0193
2025-03-18	13:11:04,661	-	INFO	-	Iter	8820/10000,	Train Loss:	0.0193
2025-03-18	13:11:04,965	-	INFO	-	Iter	8830/10000,	Train Loss:	0.0193
2025-03-18	13:11:05,267	-	INFO	-	Iter	8840/10000,	Train Loss:	0.0193
2025-03-18	13:11:05,577	-	INFO	-	Iter	8850/10000,	Train Loss:	0.0193
2025-03-18	13:11:05,881	-	INFO	-	Iter	8860/10000,	Train Loss:	0.0193
2025-03-18	13:11:06,189	-	INFO	-	Iter	8870/10000,	Train Loss:	0.0193
2025-03-18	13:11:06,519	-	INFO	-	Iter	8880/10000,	Train Loss:	0.0193
2025-03-18	13:11:06,839	-	INFO	-	Iter	8890/10000,	Train Loss:	0.0193
2025-03-18	13:11:07,162	-	INFO	-	Iter	8900/10000,	Train Loss:	0.0193
2025-03-18	13:11:07,474	-	INFO	-	Iter	8910/10000,	Train Loss:	0.0193
2025-03-18	13:11:07,782	-	INFO	-	Iter	8920/10000,	Train Loss:	0.0193
2025-03-18	13:11:08,093	-	INFO	-	Iter	8930/10000,	Train Loss:	0.0193
2025-03-18	13:11:08,402	-	INFO	-	Iter	8940/10000,	Train Loss:	0.0193
2025-03-18	13:11:08,708	-	INFO	-	Iter	8950/10000,	Train Loss:	0.0193
2025-03-18	13:11:09,013	-	INFO	-	Iter	8960/10000,	Train Loss:	0.0193
2025-03-18	13:11:09,324	-	INFO	-	Iter	8970/10000,	Train Loss:	0.0193
2025-03-18	13:11:09,633	-	INFO	-	Iter	8980/10000,	Train Loss:	0.0193
2025-03-18	13:11:09,934	-	INFO	-	Iter	8990/10000,	Train Loss:	0.0193
2025-03-18	13:11:10,239	-	INFO	-	Iter	9000/10000,	Train Loss:	0.0193
2025-03-18	13:11:10,553	-	INFO	-	Iter	9010/10000,	Train Loss:	0.0193
2025-03-18	13:11:10,860	-	INFO	-	Iter	9020/10000,	Train Loss:	0.0193
2025-03-18	13:11:11,163	-	INFO	-	Iter	9030/10000,	Train Loss:	0.0193
2025-03-18	13:11:11,472	-	INFO	-	Iter	9040/10000,	Train Loss:	0.0193
2025-03-18	13:11:11,782	-	INFO	-	Iter	9050/10000,	Train Loss:	0.0193
2025-03-18	13:11:12,085	-	INFO	-	Iter	9060/10000,	Train Loss:	0.0193
2025-03-18	13:11:12,399	-	INFO	-	Iter	9070/10000,	Train Loss:	0.0193
2025-03-18	13:11:12,713	-	INFO	-	Iter	9080/10000,	Train Loss:	0.0193
2025-03-18	13:11:13,032	-	INFO	-	Iter	9090/10000,	Train Loss:	0.0193



```

2025-03-18 13:11:21,799 - INFO - Iter 9370/10000, Train Loss: 0.0193
2025-03-18 13:11:22,108 - INFO - Iter 9380/10000, Train Loss: 0.0193
2025-03-18 13:11:22,421 - INFO - Iter 9390/10000, Train Loss: 0.0193
2025-03-18 13:11:22,731 - INFO - Iter 9400/10000, Train Loss: 0.0193
2025-03-18 13:11:23,040 - INFO - Iter 9410/10000, Train Loss: 0.0193
2025-03-18 13:11:23,350 - INFO - Iter 9420/10000, Train Loss: 0.0193
2025-03-18 13:11:23,660 - INFO - Iter 9430/10000, Train Loss: 0.0193
2025-03-18 13:11:23,966 - INFO - Iter 9440/10000, Train Loss: 0.0193
2025-03-18 13:11:24,272 - INFO - Iter 9450/10000, Train Loss: 0.0193
2025-03-18 13:11:24,584 - INFO - Iter 9460/10000, Train Loss: 0.0193
2025-03-18 13:11:24,895 - INFO - Iter 9470/10000, Train Loss: 0.0193
2025-03-18 13:11:25,203 - INFO - Iter 9480/10000, Train Loss: 0.0193
2025-03-18 13:11:25,532 - INFO - Iter 9490/10000, Train Loss: 0.0193
2025-03-18 13:11:25,849 - INFO - Iter 9500/10000, Train Loss: 0.0193
2025-03-18 13:11:26,155 - INFO - Iter 9510/10000, Train Loss: 0.0193
2025-03-18 13:11:26,468 - INFO - Iter 9520/10000, Train Loss: 0.0193
2025-03-18 13:11:26,782 - INFO - Iter 9530/10000, Train Loss: 0.0193
2025-03-18 13:11:27,101 - INFO - Iter 9540/10000, Train Loss: 0.0193
2025-03-18 13:11:27,416 - INFO - Iter 9550/10000, Train Loss: 0.0193
2025-03-18 13:11:27,733 - INFO - Iter 9560/10000, Train Loss: 0.0193
2025-03-18 13:11:28,044 - INFO - Iter 9570/10000, Train Loss: 0.0193
2025-03-18 13:11:28,361 - INFO - Iter 9580/10000, Train Loss: 0.0193
2025-03-18 13:11:28,672 - INFO - Iter 9590/10000, Train Loss: 0.0193
2025-03-18 13:11:28,984 - INFO - Iter 9600/10000, Train Loss: 0.0193
2025-03-18 13:11:29,291 - INFO - Iter 9610/10000, Train Loss: 0.0193
2025-03-18 13:11:29,601 - INFO - Iter 9620/10000, Train Loss: 0.0193
2025-03-18 13:11:29,919 - INFO - Iter 9630/10000, Train Loss: 0.0193
2025-03-18 13:11:30,227 - INFO - Iter 9640/10000, Train Loss: 0.0193
2025-03-18 13:11:30,542 - INFO - Iter 9650/10000, Train Loss: 0.0193
2025-03-18 13:11:30,851 - INFO - Iter 9660/10000, Train Loss: 0.0193
2025-03-18 13:11:31,167 - INFO - Iter 9670/10000, Train Loss: 0.0193
2025-03-18 13:11:31,485 - INFO - Iter 9680/10000, Train Loss: 0.0193
2025-03-18 13:11:31,806 - INFO - Iter 9690/10000, Train Loss: 0.0193
2025-03-18 13:11:32,128 - INFO - Iter 9700/10000, Train Loss: 0.0193
2025-03-18 13:11:32,443 - INFO - Iter 9710/10000, Train Loss: 0.0193
2025-03-18 13:11:32,753 - INFO - Iter 9720/10000, Train Loss: 0.0193
2025-03-18 13:11:33,059 - INFO - Iter 9730/10000, Train Loss: 0.0193
2025-03-18 13:11:33,370 - INFO - Iter 9740/10000, Train Loss: 0.0193
2025-03-18 13:11:33,679 - INFO - Iter 9750/10000, Train Loss: 0.0193
2025-03-18 13:11:33,995 - INFO - Iter 9760/10000, Train Loss: 0.0193
2025-03-18 13:11:34,308 - INFO - Iter 9770/10000, Train Loss: 0.0193
2025-03-18 13:11:34,616 - INFO - Iter 9780/10000, Train Loss: 0.0193
2025-03-18 13:11:34,922 - INFO - Iter 9790/10000, Train Loss: 0.0193
2025-03-18 13:11:35,230 - INFO - Iter 9800/10000, Train Loss: 0.0193
2025-03-18 13:11:35,553 - INFO - Iter 9810/10000, Train Loss: 0.0193
2025-03-18 13:11:35,863 - INFO - Iter 9820/10000, Train Loss: 0.0193
2025-03-18 13:11:36,174 - INFO - Iter 9830/10000, Train Loss: 0.0193
2025-03-18 13:11:36,502 - INFO - Iter 9840/10000, Train Loss: 0.0193
2025-03-18 13:11:36,830 - INFO - Iter 9850/10000, Train Loss: 0.0193
2025-03-18 13:11:37,154 - INFO - Iter 9860/10000, Train Loss: 0.0193
2025-03-18 13:11:37,469 - INFO - Iter 9870/10000, Train Loss: 0.0193
2025-03-18 13:11:37,773 - INFO - Iter 9880/10000, Train Loss: 0.0193
2025-03-18 13:11:38,089 - INFO - Iter 9890/10000, Train Loss: 0.0193
2025-03-18 13:11:38,419 - INFO - Iter 9900/10000, Train Loss: 0.0193
2025-03-18 13:11:38,735 - INFO - Iter 9910/10000, Train Loss: 0.0193
2025-03-18 13:11:39,047 - INFO - Iter 9920/10000, Train Loss: 0.0193
2025-03-18 13:11:39,360 - INFO - Iter 9930/10000, Train Loss: 0.0193
2025-03-18 13:11:39,683 - INFO - Iter 9940/10000, Train Loss: 0.0193
2025-03-18 13:11:39,993 - INFO - Iter 9950/10000, Train Loss: 0.0193
2025-03-18 13:11:40,301 - INFO - Iter 9960/10000, Train Loss: 0.0193
2025-03-18 13:11:40,614 - INFO - Iter 9970/10000, Train Loss: 0.0193
2025-03-18 13:11:40,922 - INFO - Iter 9980/10000, Train Loss: 0.0193
2025-03-18 13:11:41,230 - INFO - Iter 9990/10000, Train Loss: 0.0193
2025-03-18 13:11:41,542 - INFO - Iter 10000/10000, Train Loss: 0.0193
2025-03-18 13:11:41,542 - INFO - LinearRegressionClassifier training completed in 315.54 seconds.
Train Regressions: 100%|██████████████████████████████████████| 6/6 [39:09<00:00, 391.59s /it]
2025-03-18 13:11:41,544 - INFO - Training complete for Softmax and Linear.
2025-03-18 13:11:41,544 - INFO - === TRAINING PERCEPTRON MODELS (Clean & Pocket) ===
Train Clean & Pocket: 0%|██████████████████████████████████████| 0/2 [00:00<?, ? it/s]
2025-03-18 13:11:41,545 - INFO - --- Clean PLA, max iter=10 ---

```



```

2025-03-18 13:11:41,546 - INFO - Training for digit 0...
2025-03-18 13:11:42,254 - INFO - Training for digit 1...
2025-03-18 13:11:43,047 - INFO - Training for digit 2...
2025-03-18 13:11:43,863 - INFO - Training for digit 3...
2025-03-18 13:11:44,685 - INFO - Training for digit 4...
2025-03-18 13:11:45,507 - INFO - Training for digit 5...
2025-03-18 13:11:46,337 - INFO - Training for digit 6...
2025-03-18 13:11:47,101 - INFO - Training for digit 7...
2025-03-18 13:11:47,906 - INFO - Training for digit 8...
2025-03-18 13:11:48,747 - INFO - Training for digit 9...
2025-03-18 13:11:49,599 - INFO - --- Pocket PLA, max_iter=10 ---
2025-03-18 13:11:49,599 - INFO - Training for digit 0...
2025-03-18 13:11:50,311 - INFO - Training for digit 1...
2025-03-18 13:11:51,145 - INFO - Training for digit 2...
2025-03-18 13:11:51,983 - INFO - Training for digit 3...
2025-03-18 13:11:52,788 - INFO - Training for digit 4...
2025-03-18 13:11:53,640 - INFO - Training for digit 5...
2025-03-18 13:11:54,504 - INFO - Training for digit 6...
2025-03-18 13:11:55,285 - INFO - Training for digit 7...
2025-03-18 13:11:56,081 - INFO - Training for digit 8...
2025-03-18 13:11:56,924 - INFO - Training for digit 9...
Train Clean & Pocket: 50%|██████████| 1/2 [00:16<00:16, 16.24s
/it]2025-03-18 13:11:57,784 - INFO - --- Clean PLA, max_iter=1000 ---
2025-03-18 13:11:57,784 - INFO - Training for digit 0...
2025-03-18 13:12:17,931 - INFO - Training for digit 1...
2025-03-18 13:12:38,027 - INFO - Training for digit 2...
2025-03-18 13:13:10,435 - INFO - Training for digit 3...
2025-03-18 13:13:48,628 - INFO - Training for digit 4...
2025-03-18 13:14:17,534 - INFO - Training for digit 5...
2025-03-18 13:15:01,463 - INFO - Training for digit 6...
2025-03-18 13:15:26,340 - INFO - Training for digit 7...
2025-03-18 13:15:53,544 - INFO - Training for digit 8...
2025-03-18 13:16:51,805 - INFO - Training for digit 9...
2025-03-18 13:17:41,560 - INFO - --- Pocket PLA, max_iter=1000 ---
2025-03-18 13:17:41,561 - INFO - Training for digit 0...
2025-03-18 13:18:01,646 - INFO - Training for digit 1...
2025-03-18 13:18:21,848 - INFO - Training for digit 2...
2025-03-18 13:18:54,321 - INFO - Training for digit 3...
2025-03-18 13:19:32,560 - INFO - Training for digit 4...
2025-03-18 13:20:01,406 - INFO - Training for digit 5...
2025-03-18 13:20:45,363 - INFO - Training for digit 6...
2025-03-18 13:21:10,099 - INFO - Training for digit 7...
2025-03-18 13:21:36,787 - INFO - Training for digit 8...
2025-03-18 13:22:34,844 - INFO - Training for digit 9...
Train Clean & Pocket: 100%|██████████| 2/2 [11:43<00:00, 351.54s
/it]
2025-03-18 13:23:24,635 - INFO - Training complete for Clean PLA and Pocket PLA.
2025-03-18 13:23:24,636 - INFO - === ALL TRAINING COMPLETE ===

```

## Evaluate

In [ ]:

```

#####
# EVALUATION CELL
#####

#####
# 1) Evaluate Perceptrons: Clean & Pocket
#####
accuracies_clean, accuracies_pocket = [], []
runtimes_clean, runtimes_pocket = [], []
sensitivities_clean, sensitivities_pocket = [], []
selectivities_clean, selectivities_pocket = [], []

conf_clean, conf_pocket = [], [] # confusion matrices
meta_clean, meta_pocket = [], [] # store metadata

for max_iter in tqdm(perceptron_max_iter_values, desc="Evaluate Clean & Pocket"):
    # === Evaluate Clean PLA ===

```

```

c_model = trained_models_clean[max_iter]
cm_c, acc_c, s_c, sp_c, rt_c, ex_c = evaluate_model(
    c_model, X_test, y_test, classes=range(10), model_name="Clean PLA"
)
accuracies_clean.append(acc_c)
runtimes_clean.append(rt_c)
sensitivities_clean.append(np.mean(s_c))
selectivities_clean.append(np.mean(sp_c))
conf_clean.append(cm_c)

cdict = {
    "max_iter": max_iter,
    "accuracy": acc_c,
    "runtime": rt_c,
    "avg_sensitivity": np.mean(s_c),
    "avg_selectivity": np.mean(sp_c),
    "method": "Clean PLA"
}
cdict.update(ex_c) # incorporate any extra info from evaluate_model
meta_clean.append(cdict)

# === Evaluate Pocket PLA ===
p_model = trained_models_pocket[max_iter]
cm_p, acc_p, s_p, sp_p, rt_p, ex_p = evaluate_model(
    p_model, X_test, y_test, classes=range(10), model_name="Pocket PLA"
)
accuracies_pocket.append(acc_p)
runtimes_pocket.append(rt_p)
sensitivities_pocket.append(np.mean(s_p))
selectivities_pocket.append(np.mean(sp_p))
conf_pocket.append(cm_p)

pdict = {
    "max_iter": max_iter,
    "accuracy": acc_p,
    "runtime": rt_p,
    "avg_sensitivity": np.mean(s_p),
    "avg_selectivity": np.mean(sp_p),
    "method": "Pocket PLA"
}
pdict.update(ex_p)
meta_pocket.append(pdict)

# If you want to aggregate iteration-level training curves for Perceptrons:
clean_train_curve = aggregate_iteration_losses(
    [trained_models_clean[m] for m in perceptron_max_iter_values]
)
pocket_train_curve = aggregate_iteration_losses(
    [trained_models_pocket[m] for m in perceptron_max_iter_values]
)

#####
# 2) Evaluate Regression Models: Softmax & Linear
#####

# We'll store separate lists for each:
accuracies_softmax = []
runtimes_softmax = []
sensitivities_soft = []
selectivities_soft = []
conf_soft = []
meta_soft = []

accuracies_linear = []
runtimes_linear = []
sensitivities_lin = []
selectivities_lin = []
conf_linear = []
meta_linear = []

# Now we iterate over the new regression_run_configs

```

```

for cfg in tqdm(regression_run_configs, desc="Evaluate Regressions"):
    lr_val = cfg["learning_rate"]
    max_iter_val = cfg["max_iter"]
    label = cfg["label"] # e.g. "LR=0.001/Iter=1000"

    # === Evaluate Softmax ===
    s_model = trained_models_softmax[(lr_val, max_iter_val)]
    cm_s, a_s, se_s, sp_s, r_s, ex_s = evaluate_model(
        s_model, X_test, y_test, classes=range(10),
        model_name=f"Softmax ({label})"
    )
    accuracies_softmax.append(a_s)
    runtimes_softmax.append(r_s)
    sensitivities_soft.append(np.mean(se_s))
    selectivities_soft.append(np.mean(sp_s))
    conf_soft.append(cm_s)

    ms = {
        "label": label,
        "learning_rate": lr_val,
        "max_iter": max_iter_val,
        "accuracy": a_s,
        "runtime": r_s,
        "avg_sensitivity": np.mean(se_s),
        "avg_selectivity": np.mean(sp_s),
        "method": "Softmax"
    }
    ms.update(ex_s)
    meta_soft.append(ms)

    # === Evaluate Linear Regression ===
    lin_model = trained_models_linear[(lr_val, max_iter_val)]
    cm_l, a_l, se_l, sp_l, r_l, ex_l = evaluate_model(
        lin_model, X_test, y_test, classes=range(10),
        model_name=f"Linear ({label})"
    )
    accuracies_linear.append(a_l)
    runtimes_linear.append(r_l)
    sensitivities_lin.append(np.mean(se_l))
    selectivities_lin.append(np.mean(sp_l))
    conf_linear.append(cm_l)

    ml = {
        "label": label,
        "learning_rate": lr_val,
        "max_iter": max_iter_val,
        "accuracy": a_l,
        "runtime": r_l,
        "avg_sensitivity": np.mean(se_l),
        "avg_selectivity": np.mean(sp_l),
        "method": "Linear Regression"
    }
    ml.update(ex_l)
    meta_linear.append(ml)

# If you want to aggregate iteration-level training curves for Softmax or Linear, do so here.
# Example for Softmax if you want to combine certain runs:
# softmax_train_curve = aggregate_iteration_losses_softmax([
#     trained_models_softmax[(0.001, 1000)],
#     trained_models_softmax[(0.001, 3000)],
#     ...
# ])

logger.info("Evaluation complete for Perceptrons & Regressions.")

```

```

Evaluate Clean & Pocket: 0%|                                     | 0/2 [00:00<?, ?
it/s]2025-03-18 13:23:24,652 - INFO - Built-in Confusion Matrix:
[[908  0  4  2  0  2 16  1 47  0]
 [ 0 898  4  2  0  0  5  0 226  0]
 [ 18  1 797 29 16  0 29  7 135  0]
 [  6  0 23 795  0 19  9  7 149  2]

```

```
[ 5 0 6 1 823 0 24 1 113 9]
[ 26 2 10 102 11 470 20 7 241 3]
[ 24 2 25 1 11 14 837 0 44 0]
[ 9 10 19 0 17 0 1 857 107 8]
[ 5 0 3 20 5 2 6 5 928 0]
[ 13 1 15 10 271 6 4 85 263 341]]
2025-03-18 13:23:24,652 - INFO - Overall Accuracy: 76.54%
2025-03-18 13:23:24,654 - INFO - Class '0': TPR=0.93, TNR=0.99
2025-03-18 13:23:24,655 - INFO - Class '1': TPR=0.79, TNR=1.00
2025-03-18 13:23:24,655 - INFO - Class '2': TPR=0.77, TNR=0.99
2025-03-18 13:23:24,656 - INFO - Class '3': TPR=0.79, TNR=0.98
2025-03-18 13:23:24,656 - INFO - Class '4': TPR=0.84, TNR=0.96
2025-03-18 13:23:24,656 - INFO - Class '5': TPR=0.53, TNR=1.00
2025-03-18 13:23:24,657 - INFO - Class '6': TPR=0.87, TNR=0.99
2025-03-18 13:23:24,657 - INFO - Class '7': TPR=0.83, TNR=0.99
2025-03-18 13:23:24,657 - INFO - Class '8': TPR=0.95, TNR=0.85
2025-03-18 13:23:24,657 - INFO - Class '9': TPR=0.34, TNR=1.00
Evaluating class metrics: 100%|████████████████████| 10/10 [00:00<00:00, 2835.71it/s]
2025-03-18 13:23:24,652 - INFO - Built-in Confusion Matrix:
[[908 0 4 2 0 2 16 1 47 0]
 [ 0 898 4 2 0 0 5 0 226 0]
 [ 18 1 797 29 16 0 29 7 135 0]
 [ 6 0 23 795 0 19 9 7 149 2]
 [ 5 0 6 1 823 0 24 1 113 9]
 [ 26 2 10 102 11 470 20 7 241 3]
 [ 24 2 25 1 11 14 837 0 44 0]
 [ 9 10 19 0 17 0 1 857 107 8]
 [ 5 0 3 20 5 2 6 5 928 0]
 [ 13 1 15 10 271 6 4 85 263 341]]
2025-03-18 13:23:24,652 - INFO - Overall Accuracy: 76.54%
2025-03-18 13:23:24,654 - INFO - Class '0': TPR=0.93, TNR=0.99
2025-03-18 13:23:24,655 - INFO - Class '1': TPR=0.79, TNR=1.00
2025-03-18 13:23:24,655 - INFO - Class '2': TPR=0.77, TNR=0.99
2025-03-18 13:23:24,656 - INFO - Class '3': TPR=0.79, TNR=0.98
2025-03-18 13:23:24,656 - INFO - Class '4': TPR=0.84, TNR=0.96
2025-03-18 13:23:24,656 - INFO - Class '5': TPR=0.53, TNR=1.00
2025-03-18 13:23:24,657 - INFO - Class '6': TPR=0.87, TNR=0.99
2025-03-18 13:23:24,657 - INFO - Class '7': TPR=0.83, TNR=0.99
2025-03-18 13:23:24,657 - INFO - Class '8': TPR=0.95, TNR=0.85
2025-03-18 13:23:24,657 - INFO - Class '9': TPR=0.34, TNR=1.00
Evaluating class metrics: 100%|████████████████████| 10/10 [00:00<00:00, 2835.71it/s]
2025-03-18 13:23:24,661 - INFO - Built-in Confusion Matrix:
[[889 0 11 8 0 32 29 1 10 0]
 [ 0 982 45 19 0 2 6 0 81 0]
 [ 15 1 880 44 13 0 30 13 36 0]
 [ 5 0 32 881 0 29 9 14 36 4]
 [ 3 3 10 6 852 4 40 4 33 27]
 [ 19 3 33 124 16 615 27 11 41 3]
 [ 21 3 33 2 8 23 860 0 8 0]
 [ 8 16 47 1 14 0 1 906 22 13]
 [ 3 1 28 102 10 33 13 17 764 3]
 [ 13 3 20 21 229 29 5 118 52 519]]
2025-03-18 13:23:24,662 - INFO - Overall Accuracy: 81.48%
2025-03-18 13:23:24,663 - INFO - Class '0': TPR=0.91, TNR=0.99
2025-03-18 13:23:24,663 - INFO - Class '1': TPR=0.87, TNR=1.00
2025-03-18 13:23:24,664 - INFO - Class '2': TPR=0.85, TNR=0.97
2025-03-18 13:23:24,664 - INFO - Class '3': TPR=0.87, TNR=0.96
2025-03-18 13:23:24,664 - INFO - Class '4': TPR=0.87, TNR=0.97
2025-03-18 13:23:24,664 - INFO - Class '5': TPR=0.69, TNR=0.98
2025-03-18 13:23:24,665 - INFO - Class '6': TPR=0.90, TNR=0.98
2025-03-18 13:23:24,665 - INFO - Class '7': TPR=0.88, TNR=0.98
2025-03-18 13:23:24,665 - INFO - Class '8': TPR=0.78, TNR=0.96
2025-03-18 13:23:24,665 - INFO - Class '9': TPR=0.51, TNR=0.99
Evaluating class metrics: 100%|████████████████████| 10/10 [00:00<00:00, 4322.69it/s]
2025-03-18 13:23:24,668 - INFO - Built-in Confusion Matrix:
[[ 949 0 7 3 0 5 12 3 1 0]
 [ 0 1100 24 2 0 2 4 2 1 0]
 [ 9 2 968 10 10 2 13 8 7 3]
 [ 4 2 46 915 1 24 3 12 3 0]
 [ 2 3 14 4 934 0 8 6 3 8]
```

```
[ 15      4      22      37      12      773      13      6      9      1]
[ 12      3      23      1      4      19    894      2      0      0]
[   5      5      47      6      9      2       1    949      0      4]
[  43     29    148     50     38     74       7     34    551      0]
[  24     13     18     21    132     20       0    181      0    600]]
2025-03-18 13:23:24,669 - INFO - Overall Accuracy: 86.33%
2025-03-18 13:23:24,670 - INFO - Class '0': TPR=0.97, TNR=0.99
2025-03-18 13:23:24,671 - INFO - Class '1': TPR=0.97, TNR=0.99
2025-03-18 13:23:24,671 - INFO - Class '2': TPR=0.94, TNR=0.96
2025-03-18 13:23:24,671 - INFO - Class '3': TPR=0.91, TNR=0.99
2025-03-18 13:23:24,672 - INFO - Class '4': TPR=0.95, TNR=0.98
2025-03-18 13:23:24,672 - INFO - Class '5': TPR=0.87, TNR=0.98
2025-03-18 13:23:24,672 - INFO - Class '6': TPR=0.93, TNR=0.99
2025-03-18 13:23:24,673 - INFO - Class '7': TPR=0.92, TNR=0.97
2025-03-18 13:23:24,673 - INFO - Class '8': TPR=0.57, TNR=1.00
2025-03-18 13:23:24,673 - INFO - Class '9': TPR=0.59, TNR=1.00
Evaluating class metrics: 100%|██████████| 10/10 [00:00<00:00, 2563.44it/s]
2025-03-18 13:23:24,677 - INFO - Built-in Confusion Matrix:
[[ 961      0      0      2      0      4      7      3      3      0]
 [   0    1110      3      2      0      3      5      2     10      0]
 [   12      5     926     18      7      6     17     14     22      5]
 [    6      2     21    914      2     29      6     11     12      7]
 [    3      2      7      4    908      2      9      6      5     36]
 [   14      3      5     33      9    776     19      4     23      6]
 [   13      3      6      1      9     18    906      1      1      0]
 [    5      8     24      8      7      3      1    943      1     28]
 [   22     21     14     35     30     49     17     26    754      6]
 [   19     10      1     14     48     14      0     54      2    847]]
2025-03-18 13:23:24,678 - INFO - Overall Accuracy: 90.45%
2025-03-18 13:23:24,680 - INFO - Class '0': TPR=0.98, TNR=0.99
2025-03-18 13:23:24,680 - INFO - Class '1': TPR=0.98, TNR=0.99
2025-03-18 13:23:24,681 - INFO - Class '2': TPR=0.90, TNR=0.99
2025-03-18 13:23:24,681 - INFO - Class '3': TPR=0.90, TNR=0.99
2025-03-18 13:23:24,681 - INFO - Class '4': TPR=0.92, TNR=0.99
2025-03-18 13:23:24,682 - INFO - Class '5': TPR=0.87, TNR=0.99
2025-03-18 13:23:24,682 - INFO - Class '6': TPR=0.95, TNR=0.99
2025-03-18 13:23:24,682 - INFO - Class '7': TPR=0.92, TNR=0.99
2025-03-18 13:23:24,683 - INFO - Class '8': TPR=0.77, TNR=0.99
2025-03-18 13:23:24,683 - INFO - Class '9': TPR=0.84, TNR=0.99
Evaluating class metrics: 100%|██████████| 10/10 [00:00<00:00, 2924.08it/s]
Evaluate Clean & Pocket: 100%|██████████| 2/2 [00:00<00:00, 56.47it/s]
Aggregating train losses across Perceptron models: 100%|██████████| 2/2 [00:00<00:00, 1540.61it/s]
Aggregating train losses across Perceptron models: 100%|██████████| 2/2 [00:00<00:00, 1779.89it/s]
Evaluate Regressions:      0%|██████████| 0/6 [00:00<?, ? it/s]
2025-03-18 13:23:24,695 - INFO - Built-in Confusion Matrix:
[[ 945      0      4      5      0      0     18      1      7      0]
 [   0    1080     12      7      0      0      4      1     31      0]
 [   43     46    784     47     14      0     39     20     38      1]
 [   13      7     24    896      0      0      9     19     32     10]
 [    8     15      5      3    772      0     40      3     22    114]
 [   112     44     12    284     19    205     51     35     96     34]
 [   51     16     18      2      5      2    856      0      8      0]
 [   14     54     27      1      4      0      4    884     12     28]
 [   26     33     17    116      7      0     22     21    713     19]
 [   32     22     12     19     58      0      7     66     22    771]]
2025-03-18 13:23:24,695 - INFO - Overall Accuracy: 79.06%
2025-03-18 13:23:24,697 - INFO - Class '0': TPR=0.96, TNR=0.97
2025-03-18 13:23:24,697 - INFO - Class '1': TPR=0.95, TNR=0.97
2025-03-18 13:23:24,698 - INFO - Class '2': TPR=0.76, TNR=0.99
2025-03-18 13:23:24,698 - INFO - Class '3': TPR=0.89, TNR=0.95
2025-03-18 13:23:24,698 - INFO - Class '4': TPR=0.79, TNR=0.99
2025-03-18 13:23:24,698 - INFO - Class '5': TPR=0.23, TNR=1.00
2025-03-18 13:23:24,699 - INFO - Class '6': TPR=0.89, TNR=0.98
2025-03-18 13:23:24,699 - INFO - Class '7': TPR=0.86, TNR=0.98
2025-03-18 13:23:24,699 - INFO - Class '8': TPR=0.73, TNR=0.97
2025-03-18 13:23:24,699 - INFO - Class '9': TPR=0.76, TNR=0.98
Evaluating class metrics: 100%|██████████| 10/10 [00:00<00:00, 3491.47it/s]
```





```
t/s]
2025-03-18 13:23:24,732 - INFO - Built-in Confusion Matrix:
[[ 936      0      5      5      0      5     19      1      9      0]
 [    0 1089     10      3      1      2      4      0     26      0]
 [   17     36   821     31     21      0     31     22     48      5]
 [    6      4     25   879      1     20      8     20     32     15]
 [    3     11      5      0   845      0     21      2     12     83]
 [   32     27      8   125     28   566     31     14     41     20]
 [   22     10     18      2     13     17   870      0      6      0]
 [    5     45     24      0     14      0      3   885     11     41]
 [    9     24     15     56     11     17     20     15   785     22]
 [   15     15     12     13     61      9      3     40     12   829]]
2025-03-18 13:23:24,732 - INFO - Overall Accuracy: 85.05%
2025-03-18 13:23:24,734 - INFO - Class '0': TPR=0.96, TNR=0.99
2025-03-18 13:23:24,734 - INFO - Class '1': TPR=0.96, TNR=0.98
2025-03-18 13:23:24,734 - INFO - Class '2': TPR=0.80, TNR=0.99
2025-03-18 13:23:24,735 - INFO - Class '3': TPR=0.87, TNR=0.97
2025-03-18 13:23:24,735 - INFO - Class '4': TPR=0.86, TNR=0.98
2025-03-18 13:23:24,735 - INFO - Class '5': TPR=0.63, TNR=0.99
2025-03-18 13:23:24,735 - INFO - Class '6': TPR=0.91, TNR=0.98
2025-03-18 13:23:24,736 - INFO - Class '7': TPR=0.86, TNR=0.99
2025-03-18 13:23:24,736 - INFO - Class '8': TPR=0.81, TNR=0.98
2025-03-18 13:23:24,736 - INFO - Class '9': TPR=0.82, TNR=0.98
Evaluating class metrics: 100%|███████████| 10/10 [00:00<00:00, 3784.11it/s]
2025-03-18 13:23:24,740 - INFO - Built-in Confusion Matrix:
[[ 940      0      2      2      1      6     20      2      7      0]
 [    0 1105      2      3      1      0      5      1     18      0]
 [   19     73   815     20     16      0     16     30     37      6]
 [    7     16     23   877      3     15     11     34     16      8]
 [    1     23      4      1   868      1     14      1     13     56]
 [   20     17      7   102     27   573     33     29     67     17]
 [   17      8      4      0     14     14   898      0      3      0]
 [    4     45     19      7     17      0      3   894      2     37]
 [   12     59      8     31     19     21     21     19   766     18]
 [   22     14      4     14     68      5      4     60      6   812]]
2025-03-18 13:23:24,741 - INFO - Overall Accuracy: 85.48%
2025-03-18 13:23:24,742 - INFO - Class '0': TPR=0.96, TNR=0.99
2025-03-18 13:23:24,743 - INFO - Class '1': TPR=0.97, TNR=0.97
2025-03-18 13:23:24,743 - INFO - Class '2': TPR=0.79, TNR=0.99
2025-03-18 13:23:24,743 - INFO - Class '3': TPR=0.87, TNR=0.98
2025-03-18 13:23:24,744 - INFO - Class '4': TPR=0.88, TNR=0.98
2025-03-18 13:23:24,744 - INFO - Class '5': TPR=0.64, TNR=0.99
2025-03-18 13:23:24,744 - INFO - Class '6': TPR=0.94, TNR=0.99
2025-03-18 13:23:24,745 - INFO - Class '7': TPR=0.87, TNR=0.98
2025-03-18 13:23:24,745 - INFO - Class '8': TPR=0.79, TNR=0.98
2025-03-18 13:23:24,745 - INFO - Class '9': TPR=0.80, TNR=0.98
Evaluating class metrics: 100%|███████████| 10/10 [00:00<00:00, 3199.56it/s]
2025-03-18 13:23:24,749 - INFO - Built-in Confusion Matrix:
[[ 959      0      2      3      0      2      7      1      6      0]
 [    0 1103      2      4      1      2      4      0     19      0]
 [   13      7   885     20     15      0     18     22     43      9]
 [    6      1     18   899      1     31      5     15     22     12]
 [    1      6      5      0   903      1     12      1      8     45]
 [   14      6      5     43     15   734     17     10     37     11]
 [   16      3      7      2     13     17   895      1      4      0]
 [    3     20     29      4     11      0      0   916      4     41]
 [    9     10     10     30      8     27     12     13   838     17]
 [   11      8      6     10     47     16      0     25      7   879]]
2025-03-18 13:23:24,750 - INFO - Overall Accuracy: 90.11%
2025-03-18 13:23:24,752 - INFO - Class '0': TPR=0.98, TNR=0.99
2025-03-18 13:23:24,752 - INFO - Class '1': TPR=0.97, TNR=0.99
2025-03-18 13:23:24,752 - INFO - Class '2': TPR=0.86, TNR=0.99
2025-03-18 13:23:24,752 - INFO - Class '3': TPR=0.89, TNR=0.99
2025-03-18 13:23:24,752 - INFO - Class '4': TPR=0.92, TNR=0.99
2025-03-18 13:23:24,753 - INFO - Class '5': TPR=0.82, TNR=0.99
2025-03-18 13:23:24,753 - INFO - Class '6': TPR=0.93, TNR=0.99
2025-03-18 13:23:24,753 - INFO - Class '7': TPR=0.89, TNR=0.99
2025-03-18 13:23:24,753 - INFO - Class '8': TPR=0.86, TNR=0.98
2025-03-18 13:23:24,754 - INFO - Class '9': TPR=0.87, TNR=0.98
Evaluating class metrics: 100%|███████████| 10/10 [00:00<00:00, 3879.30it/s]
```

```
t/s]
2025-03-18 13:23:24,758 - INFO - Built-in Confusion Matrix:
[[ 938      0      1      2      1     11     17      2      7      1]
 [    0 1106      2      2      2      1      5      1     16      0]
 [   17    59   827    24    15      0    30    22    34      4]
 [    4    17    22   885      5    14    11    23    18    11]
 [    0    21      6      1   880      3    10      1    11    49]
 [   24    14      4    78    24   643    25    20    41    19]
 [   17    10      6      0    17    18   883      0      7      0]
 [    4    44    17      5    20      0      1   892      0    45]
 [   13    52    10    30    25    31    18    14   763    18]
 [   18    11      2    13    72      0      1    66      6   820]]
2025-03-18 13:23:24,758 - INFO - Overall Accuracy: 86.37%
2025-03-18 13:23:24,760 - INFO - Class '0': TPR=0.96, TNR=0.99
2025-03-18 13:23:24,760 - INFO - Class '1': TPR=0.97, TNR=0.97
2025-03-18 13:23:24,761 - INFO - Class '2': TPR=0.80, TNR=0.99
2025-03-18 13:23:24,761 - INFO - Class '3': TPR=0.88, TNR=0.98
2025-03-18 13:23:24,761 - INFO - Class '4': TPR=0.90, TNR=0.98
2025-03-18 13:23:24,761 - INFO - Class '5': TPR=0.72, TNR=0.99
2025-03-18 13:23:24,762 - INFO - Class '6': TPR=0.92, TNR=0.99
2025-03-18 13:23:24,762 - INFO - Class '7': TPR=0.87, TNR=0.98
2025-03-18 13:23:24,762 - INFO - Class '8': TPR=0.78, TNR=0.98
2025-03-18 13:23:24,762 - INFO - Class '9': TPR=0.81, TNR=0.98
Evaluating class metrics: 100%|███████████| 10/10 [00:00<00:00, 3877.15it/s]
2025-03-18 13:23:24,767 - INFO - Built-in Confusion Matrix:
[[ 946      0      3      3      0      4     15      1      8      0]
 [    0 1089      5      3      1      4      4      0     29      0]
 [   15    19   846    26    20      0    28    22    49      7]
 [    5      2    22   880      1    32      8    20    26    14]
 [    3      8      5      0   865      1    17      2    10    71]
 [   24    15      7    74    25   650    27    11    42    17]
 [   20      5    13      2    13    20   879      0      6      0]
 [    4    38    25      1    13      0      4   889    10    44]
 [   10    16    13    40    12    22    18    14   809    20]
 [   14    13    11    12    53    11      1    28    11   855]]
2025-03-18 13:23:24,768 - INFO - Overall Accuracy: 87.08%
2025-03-18 13:23:24,769 - INFO - Class '0': TPR=0.97, TNR=0.99
2025-03-18 13:23:24,769 - INFO - Class '1': TPR=0.96, TNR=0.99
2025-03-18 13:23:24,770 - INFO - Class '2': TPR=0.82, TNR=0.99
2025-03-18 13:23:24,770 - INFO - Class '3': TPR=0.87, TNR=0.98
2025-03-18 13:23:24,770 - INFO - Class '4': TPR=0.88, TNR=0.98
2025-03-18 13:23:24,771 - INFO - Class '5': TPR=0.73, TNR=0.99
2025-03-18 13:23:24,771 - INFO - Class '6': TPR=0.92, TNR=0.99
2025-03-18 13:23:24,771 - INFO - Class '7': TPR=0.86, TNR=0.99
2025-03-18 13:23:24,772 - INFO - Class '8': TPR=0.83, TNR=0.98
2025-03-18 13:23:24,772 - INFO - Class '9': TPR=0.85, TNR=0.98
Evaluating class metrics: 100%|███████████| 10/10 [00:00<00:00, 3100.69it/s]
2025-03-18 13:23:24,776 - INFO - Built-in Confusion Matrix:
[[ 941      0      1      2      1      8     19      1      7      0]
 [    0 1107      2      2      1      1      5      1     16      0]
 [   16    69   826    18    13      0    18    30    36      6]
 [    6    17    23   883      3    14    10    29    17      8]
 [    1    25      6      1   872      2    11      1    11    52]
 [   20    16      8    89    27   599    26    21    69    17]
 [   15    10      6      0    16    17   891      0      3      0]
 [    4    45    17      7    17      0      3   890      1    44]
 [   13    58      8    30    19    21    20    17   767    21]
 [   21    14      3    13    65      3      3    54      8   825]]
2025-03-18 13:23:24,776 - INFO - Overall Accuracy: 86.01%
2025-03-18 13:23:24,778 - INFO - Class '0': TPR=0.96, TNR=0.99
2025-03-18 13:23:24,778 - INFO - Class '1': TPR=0.98, TNR=0.97
2025-03-18 13:23:24,778 - INFO - Class '2': TPR=0.80, TNR=0.99
2025-03-18 13:23:24,778 - INFO - Class '3': TPR=0.87, TNR=0.98
2025-03-18 13:23:24,779 - INFO - Class '4': TPR=0.89, TNR=0.98
2025-03-18 13:23:24,779 - INFO - Class '5': TPR=0.67, TNR=0.99
2025-03-18 13:23:24,779 - INFO - Class '6': TPR=0.93, TNR=0.99
2025-03-18 13:23:24,780 - INFO - Class '7': TPR=0.87, TNR=0.98
2025-03-18 13:23:24,780 - INFO - Class '8': TPR=0.79, TNR=0.98
2025-03-18 13:23:24,781 - INFO - Class '9': TPR=0.82, TNR=0.98
Evaluating class metrics: 100%|███████████| 10/10 [00:00<00:00, 3013.80it/s]
```

```
t/s]
2025-03-18 13:23:24,785 - INFO - Built-in Confusion Matrix:
[[ 957    0    2    2    1    4   10    1    3    0]
 [   0 1101    2    4    1    2    4    1   20    0]
 [  11    7  899   15   16    1   15   18   42    8]
 [   5    1   19  903    1   31    3   16   21   10]
 [   1    4    6    1  911    1   10    1    8   39]
 [  11    4    4   41   12  752   16   10   33    9]
 [  15    3    5    2   13   16  901    1    2    0]
 [   3   19   26    5   10    0    0  927    3   35]
 [   9    9    8   26    8   21   14   15  850   14]
 [  11    8    5   11   40   12    0   21    6  895]]
2025-03-18 13:23:24,785 - INFO - Overall Accuracy: 90.96%
2025-03-18 13:23:24,787 - INFO - Class '0': TPR=0.98, TNR=0.99
2025-03-18 13:23:24,787 - INFO - Class '1': TPR=0.97, TNR=0.99
2025-03-18 13:23:24,788 - INFO - Class '2': TPR=0.87, TNR=0.99
2025-03-18 13:23:24,788 - INFO - Class '3': TPR=0.89, TNR=0.99
2025-03-18 13:23:24,789 - INFO - Class '4': TPR=0.93, TNR=0.99
2025-03-18 13:23:24,789 - INFO - Class '5': TPR=0.84, TNR=0.99
2025-03-18 13:23:24,789 - INFO - Class '6': TPR=0.94, TNR=0.99
2025-03-18 13:23:24,789 - INFO - Class '7': TPR=0.90, TNR=0.99
2025-03-18 13:23:24,790 - INFO - Class '8': TPR=0.87, TNR=0.98
2025-03-18 13:23:24,790 - INFO - Class '9': TPR=0.89, TNR=0.99
Evaluating class metrics: 100%|████████████████████| 10/10 [00:00<00:00, 3052.40i
t/s]
2025-03-18 13:23:24,793 - INFO - Built-in Confusion Matrix:
[[ 944    0    1    1    1    8   15    2    7    1]
 [   0 1106    2    2    3    1    5    1   15    0]
 [  18   56  821   25   16    0   36   20   36    4]
 [   4   17   22  886    5   13   11   22   18   12]
 [   0   21    6    0  885    3    9    1   11   46]
 [  24   16    4   80   22  649   25   16   38   18]
 [  17   10   10    0   19   16  879    0    7    0]
 [   4   45   15    6   22    1    1  889    0   45]
 [  13   49   11   32   25   34   17   12  764   17]
 [  16   11    2   15   72    0    1   72    5  815]]
2025-03-18 13:23:24,794 - INFO - Overall Accuracy: 86.38%
2025-03-18 13:23:24,795 - INFO - Class '0': TPR=0.96, TNR=0.99
2025-03-18 13:23:24,796 - INFO - Class '1': TPR=0.97, TNR=0.97
2025-03-18 13:23:24,796 - INFO - Class '2': TPR=0.80, TNR=0.99
2025-03-18 13:23:24,796 - INFO - Class '3': TPR=0.88, TNR=0.98
2025-03-18 13:23:24,796 - INFO - Class '4': TPR=0.90, TNR=0.98
2025-03-18 13:23:24,797 - INFO - Class '5': TPR=0.73, TNR=0.99
2025-03-18 13:23:24,797 - INFO - Class '6': TPR=0.92, TNR=0.99
2025-03-18 13:23:24,797 - INFO - Class '7': TPR=0.86, TNR=0.98
2025-03-18 13:23:24,797 - INFO - Class '8': TPR=0.78, TNR=0.98
2025-03-18 13:23:24,798 - INFO - Class '9': TPR=0.81, TNR=0.98
Evaluating class metrics: 100%|████████████████████| 10/10 [00:00<00:00, 3907.13i
t/s]
Evaluate Regressions: 100%|████████████████████| 6/6 [00:00<00:00, 55.61i
t/s]
2025-03-18 13:23:24,799 - INFO - Evaluation complete for Perceptrons & Regressions.
```

## Visualize (Generate Plots, Confusion Matricies, etc.)

```
In [ ]:
```

```
#####
# VISUALIZATION CELL
#####

logger.info("=== Visualizing Perceptrons (Clean, Pocket) ===")

# -----
# 1) Plot Confusion Matrices for Clean & Pocket
# -----

for idx, meta in tqdm(enumerate(meta_clean), total=len(meta_clean), desc="Plotting Clean
Confusions"):
    # meta should have e.g. {"max_iter": ..., "accuracy": ..., "method": ...}
    title = f"Clean PLA (max_iter={meta['max_iter']}, Acc={meta['accuracy']*100:.2f}%"
```

```

        plot_confusion_matrix_annotated(
            conf_clean[idx],
            classes=range(10),
            title=title,
            method=meta["method"],
            max_iter=meta["max_iter"]
        )

for idx, meta in tqdm(enumerate(meta_pocket), total=len(meta_pocket), desc="Plotting Pocket Confusions"):
    title = f"Pocket PLA (max_iter={meta['max_iter']}, Acc={meta['accuracy']*100:.2f}%)"
    plot_confusion_matrix_annotated(
        conf_pocket[idx],
        classes=range(10),
        title=title,
        method=meta["method"],
        max_iter=meta["max_iter"]
    )

# -----
# 2) Perceptron Iteration-based Aggregated Curves
# -----
plot_train_curves_three_models(
    clean_train_curve=clean_train_curve,
    pocket_train_curve=pocket_train_curve,
    softmax_train_curve=None, # No softmax curve here
    title="Aggregated Perceptron Train Curves (Clean vs. Pocket)",
    max_iter=perceptron_max_iter_values[-1]
)

# -----
# 3) Summaries (accuracy vs. max_iter, runtime vs. max_iter)
# -----
plot_accuracy_vs_max_iter(
    max_iter_values=perceptron_max_iter_values,
    accuracies_clean=accuracies_clean,
    accuracies_pocket=accuracies_pocket,
    accuracies_softmax=None
)

plot_runtime_vs_max_iter(
    max_iter_values=perceptron_max_iter_values,
    runtimes_clean=runtimes_clean,
    runtimes_pocket=runtimes_pocket,
    runtimes_softmax=None
)

# -----
# 4) Runtime-based Summaries (Clean vs. Pocket)
# -----
plot_accuracy_vs_runtime(
    runtimes_clean=runtimes_clean,
    accuracies_clean=accuracies_clean,
    runtimes_pocket=runtimes_pocket,
    accuracies_pocket=accuracies_pocket,
    title="Perceptrons: Accuracy vs. Runtime"
)

plot_performance_summary_extended_by_runtime(
    runtimes_clean=runtimes_clean,
    accuracies_clean=accuracies_clean,
    sensitivities_clean=sensitivities_clean,
    selectivities_clean=selectivities_clean,
    runtimes_pocket=runtimes_pocket,
    accuracies_pocket=accuracies_pocket,
    sensitivities_pocket=sensitivities_pocket,
    selectivities_pocket=selectivities_pocket,
    title="Perceptrons: Performance vs. Runtime"
)

logger.info("\n=== Perceptron Visualization Done ===\n")

```



```
#####
# PART B: REGRESSION MODELS (Softmax & Linear)
#####
logger.info("=== Visualizing Regressions (Softmax, Linear) ===")

# -----
# 1) Plot Confusion Matrices for Softmax & Linear
# -----
for idx, meta in tqdm(enumerate(meta_soft), total=len(meta_soft), desc="Plotting Softmax
Confusions"):
    # Instead of mode=..., we now use meta['label'] for the descriptive text:
    title = f"Softmax ({meta['label']}, Acc={meta['accuracy']*100:.2f}%"
    plot_confusion_matrix_annotated(
        conf_soft[idx],
        classes=range(10),
        title=title,
        method=meta["method"],
        max_iter=meta["max_iter"]
    )

for idx, meta in tqdm(enumerate(meta_linear), total=len(meta_linear), desc="Plotting Line
ar Confusions"):
    title = f"Linear ({meta['label']}, Acc={meta['accuracy']*100:.2f}%"
    plot_confusion_matrix_annotated(
        conf_linear[idx],
        classes=range(10),
        title=title,
        method=meta["method"],
        max_iter=meta["max_iter"]
    )

# -----
# 2) (Optional) If you aggregated iteration-level training curves for Softmax/Linear
# -----
# Example usage (uncomment if needed):
# plot_train_curves_three_models(
#     clean_train_curve=None,
#     pocket_train_curve=None,
#     softmax_train_curve=softmax_train_curve,
#     title="Softmax Aggregated Train Curve",
#     max_iter=1000 # or whichever is relevant
# )

# -----
# 3) Summaries for Softmax vs. Linear (runtime-based)
# -----
plot_accuracy_vs_runtime(
    runtimes_clean=runtimes_softmax,
    accuracies_clean=accuracies_softmax,
    title="Softmax: Accuracy vs. Runtime"
)

plot_accuracy_vs_runtime(
    runtimes_clean=runtimes_linear,
    accuracies_clean=accuracies_linear,
    title="Linear: Accuracy vs. Runtime"
)

plot_accuracy_vs_runtime(
    runtimes_clean=runtimes_softmax,
    accuracies_clean=accuracies_softmax,
    runtimes_pocket=runtimes_linear,
    accuracies_pocket=accuracies_linear,
    title="Softmax vs. Linear: Accuracy vs. Runtime"
)

plot_performance_summary_extended_by_runtime(
    # first model: Softmax
    runtimes_clean=runtimes_softmax,
    accuracies_clean=accuracies_softmax,
    sensitivities_clean=sensitivities_soft,
```

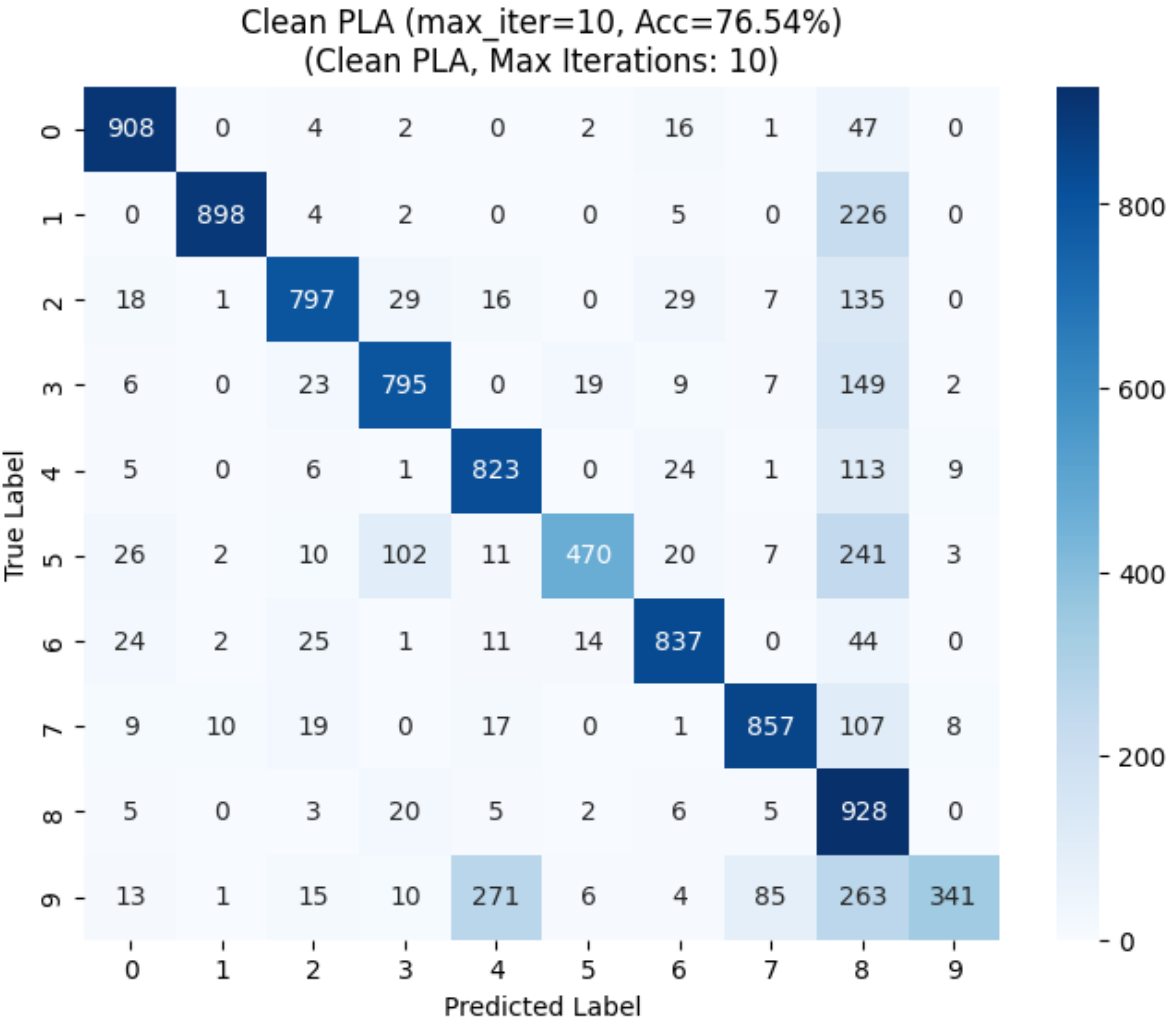
```
selectivities_clean=selectivities_soft,
# second model: Linear
runtimes_pocket=runtimes_linear,
accuracies_pocket=accuracies_linear,
sensitivities_pocket=sensitivities_lin,
selectivities_pocket=selectivities_lin,
title="Softmax vs. Linear: TPR/TNR vs. Runtime"
)

# -----
# 4) 4-Model Comparison: Clean, Pocket, Softmax, Linear
# -----
plot_performance_summary_4models_by_runtime(
    runtimes_clean, accuracies_clean, sensitivities_clean, selectivities_clean,
    runtimes_pocket, accuracies_pocket, sensitivities_pocket, selectivities_pocket,
    runtimes_softmax, accuracies_softmax, sensitivities_soft, selectivities_soft,
    runtimes_linear, accuracies_linear, sensitivities_lin, selectivities_lin,
    title="Performance vs. Runtime (4-Model Comparison)"
)

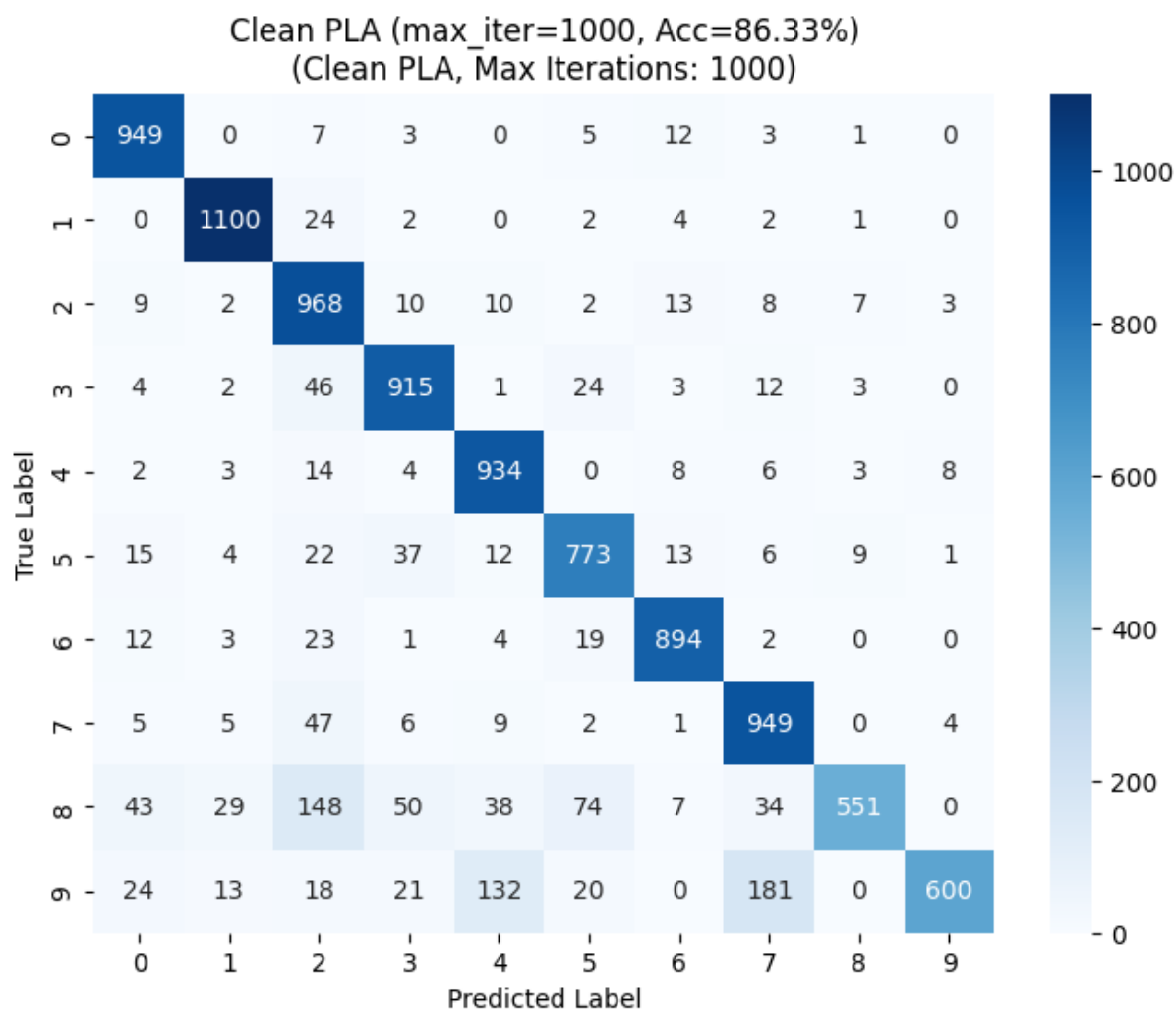
plot_accuracy_vs_runtime_4models(
    rt_clean=runtimes_clean,
    acc_clean=accuracies_clean,
    rt_pocket=runtimes_pocket,
    acc_pocket=accuracies_pocket,
    rt_softmax=runtimes_softmax,
    acc_softmax=accuracies_softmax,
    rt_linear=runtimes_linear,
    acc_linear=accuracies_linear,
    title="Accuracy vs. Runtime (4 Models)"
)

logger.info("\n=== Regressions Visualization Done ===")
```

2025-03-18 13:23:24,808 - INFO - === Visualizing Perceptrons (Clean, Pocket) ===  
Plotting Clean Confusions: 0% | 0/2 [00:00<?, ? it/s]

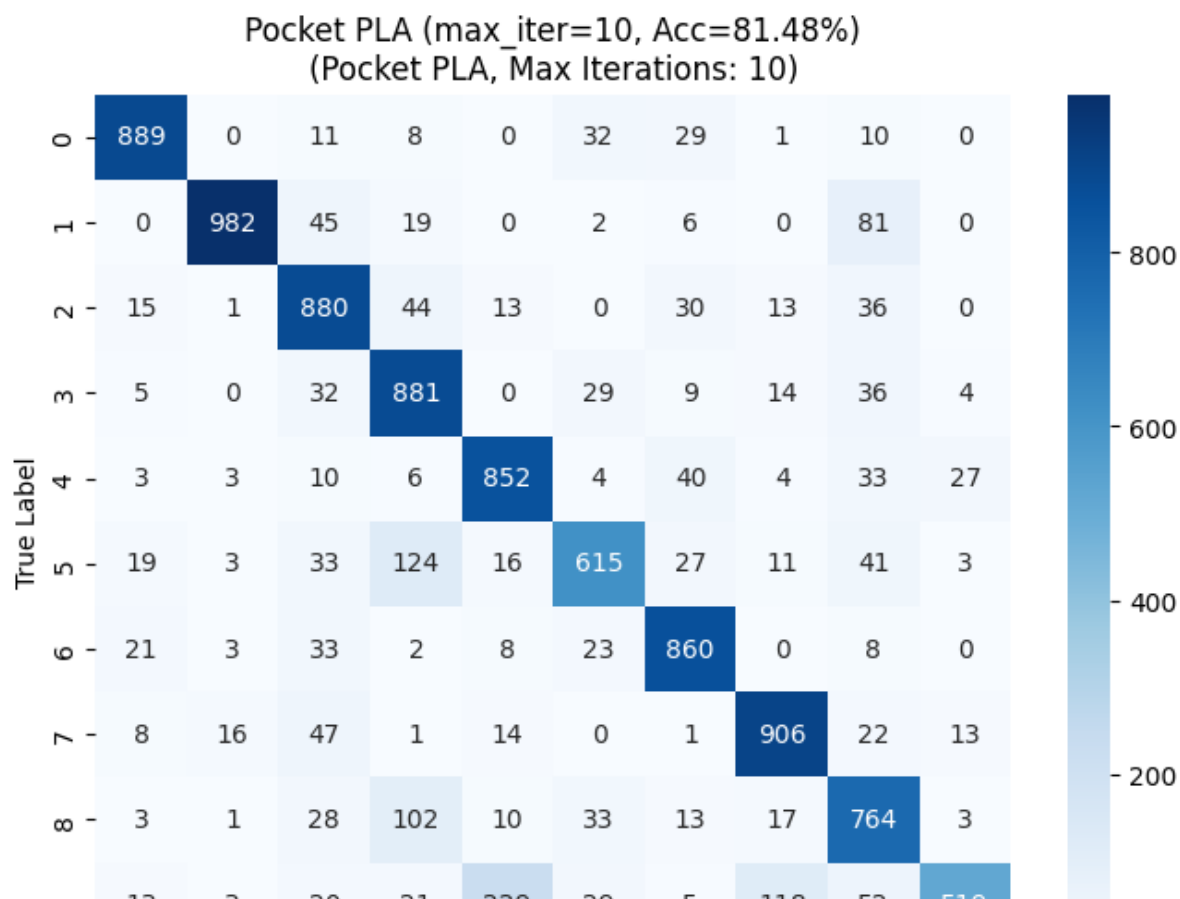


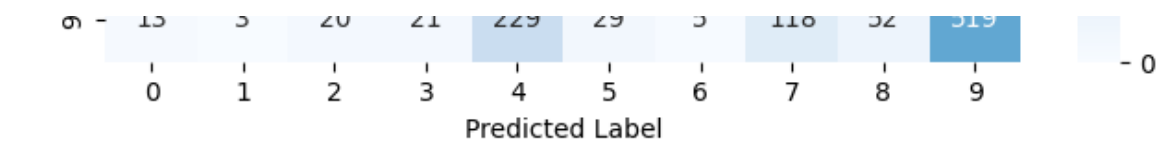
```
Plotting Clean Confusions: 50%|██████████          | 1/2 [00:00<00:00, 7.39it/s]
```



```
Plotting Clean Confusions: 100%|██████████████████████| 2/2 [00:00<00:00, 7.65it/s]
```

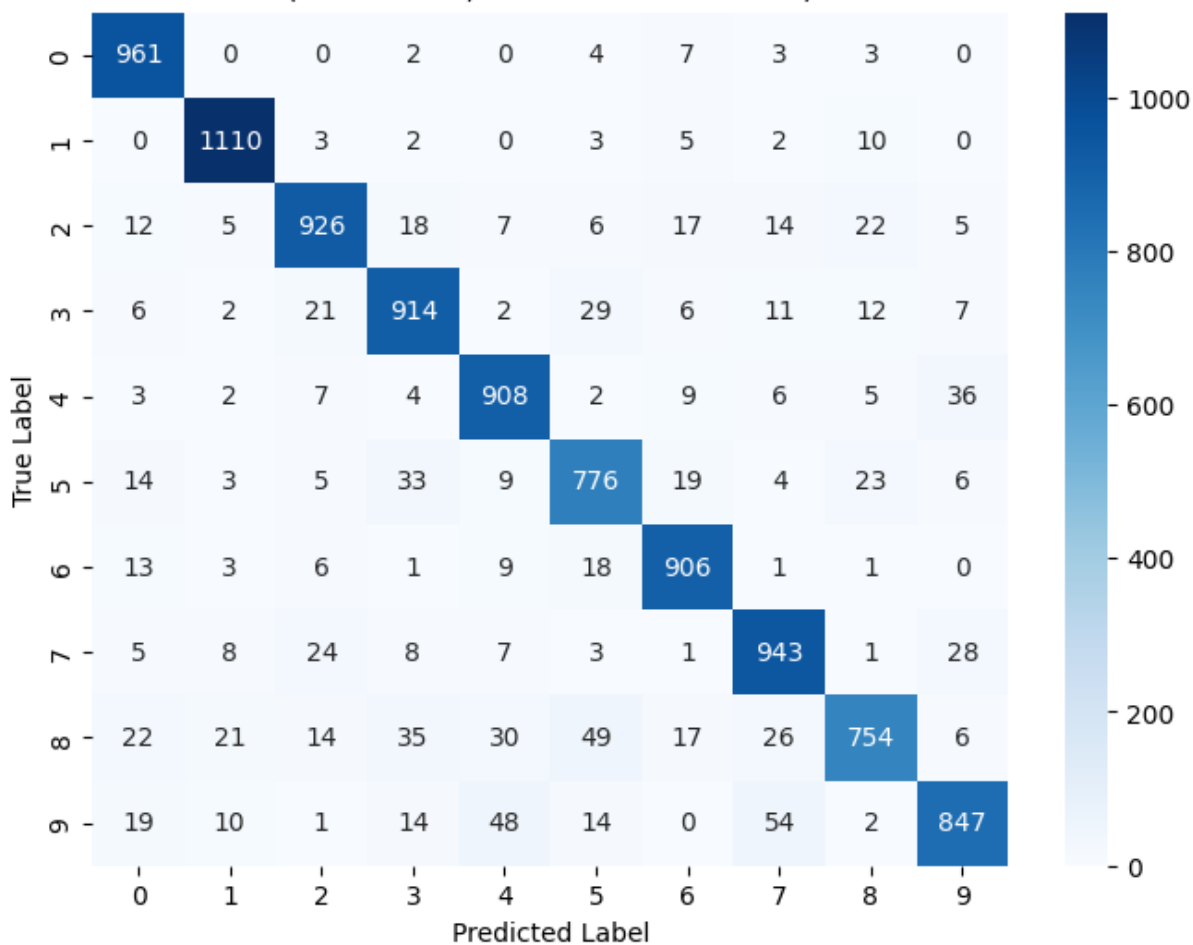
```
Plotting Pocket Confusions: 0%|
it/s]
```





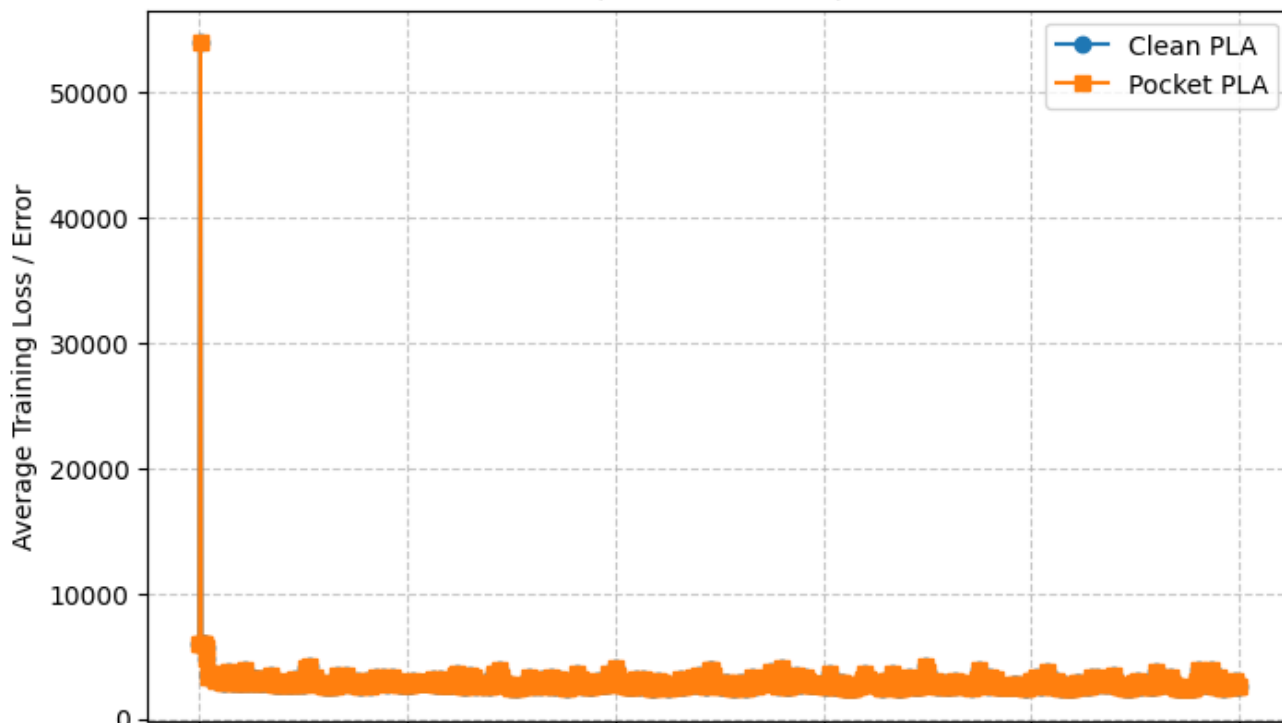
Plotting Pocket Confusions: 50% | ██████████ | 1/2 [00:00<00:00, 8.46it/s]

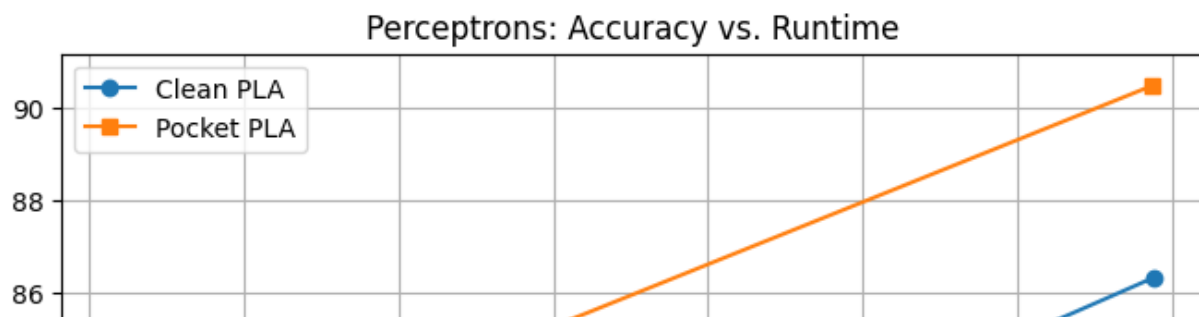
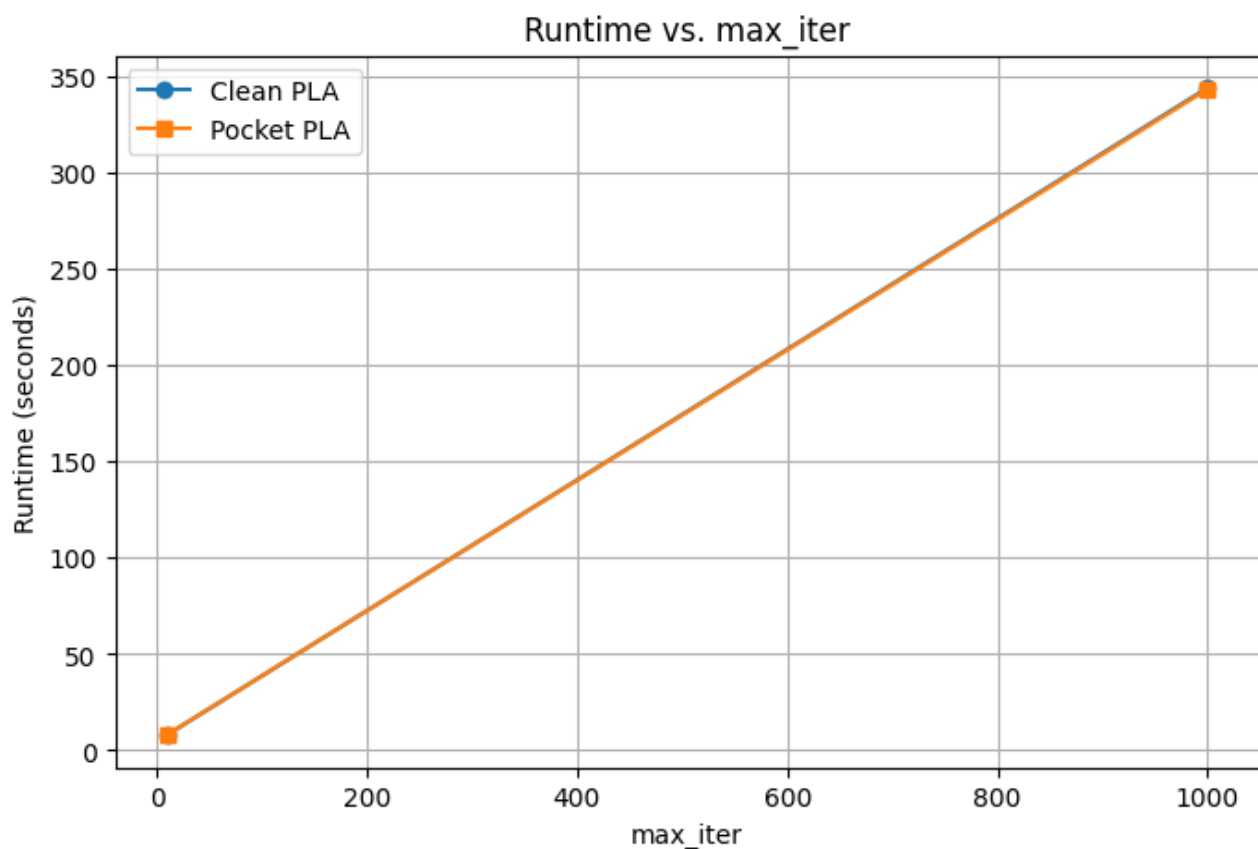
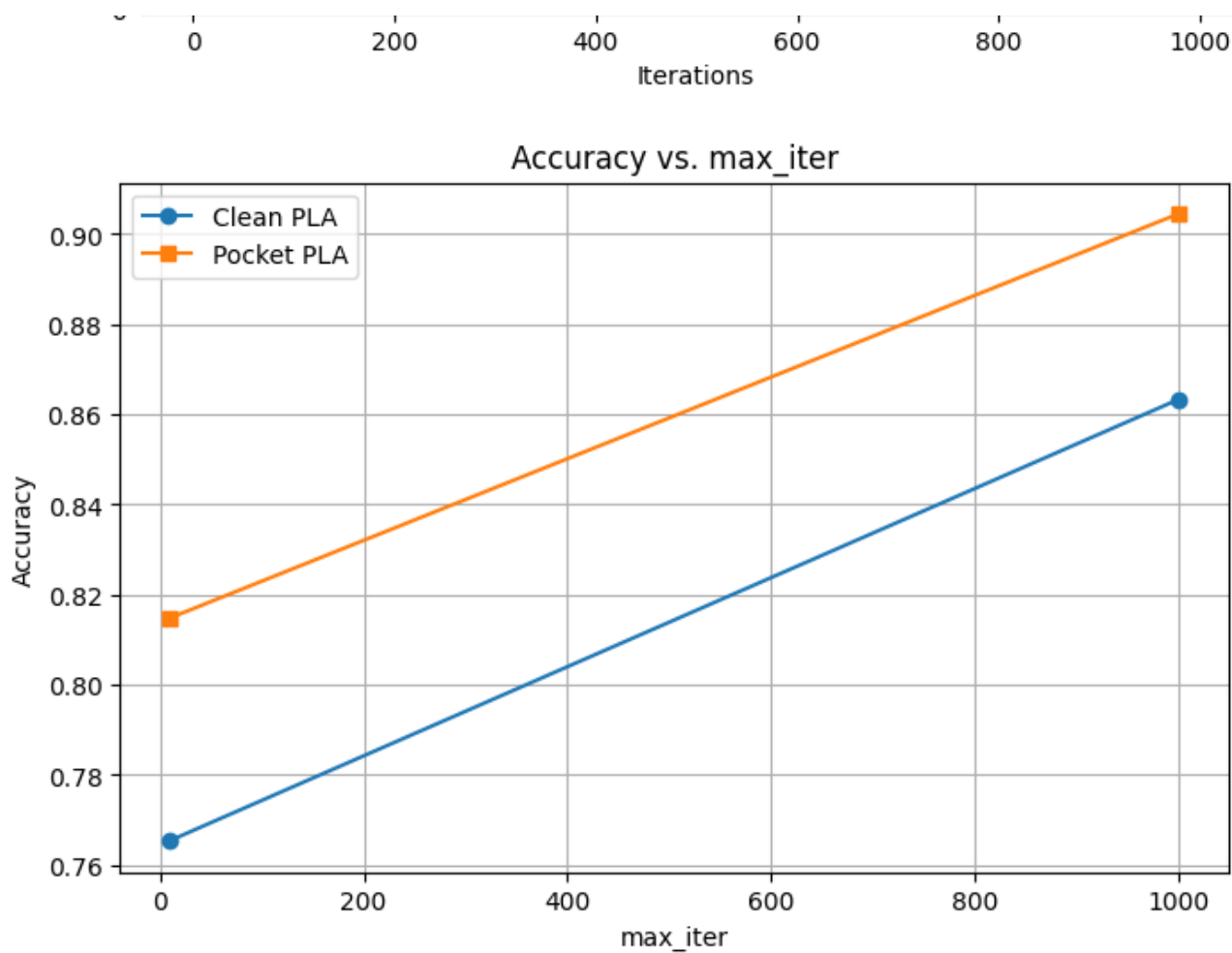
Pocket PLA (max\_iter=1000, Acc=90.45%)  
(Pocket PLA, Max Iterations: 1000)



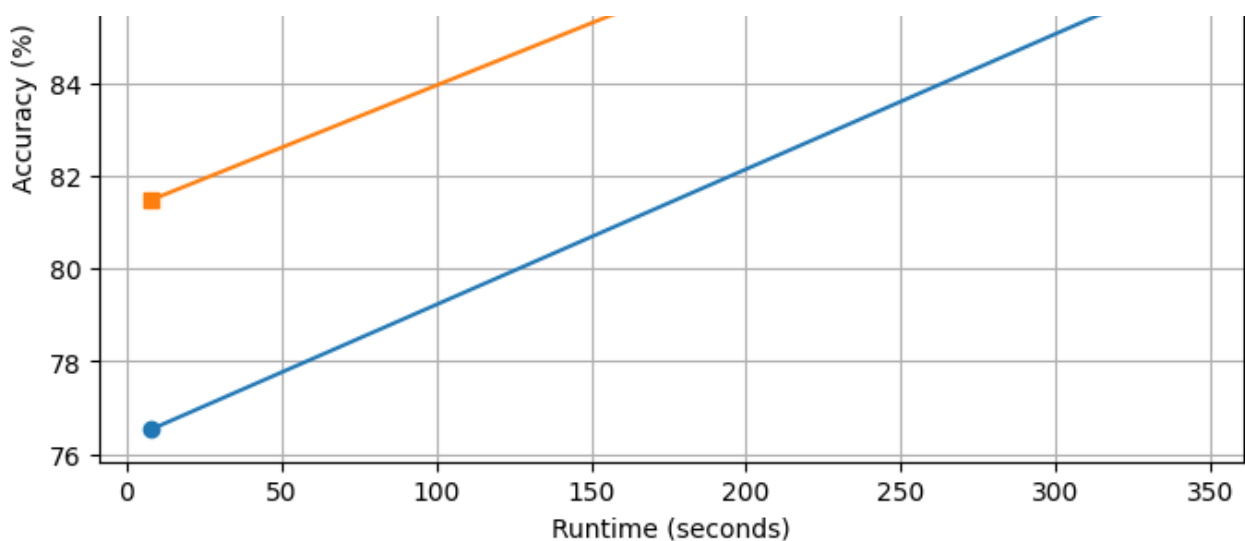
Plotting Pocket Confusions: 100% | ██████████ | 2/2 [00:00<00:00, 8.47it/s]

Aggregated Perceptron Train Curves (Clean vs. Pocket)  
(Max Iter=1000)



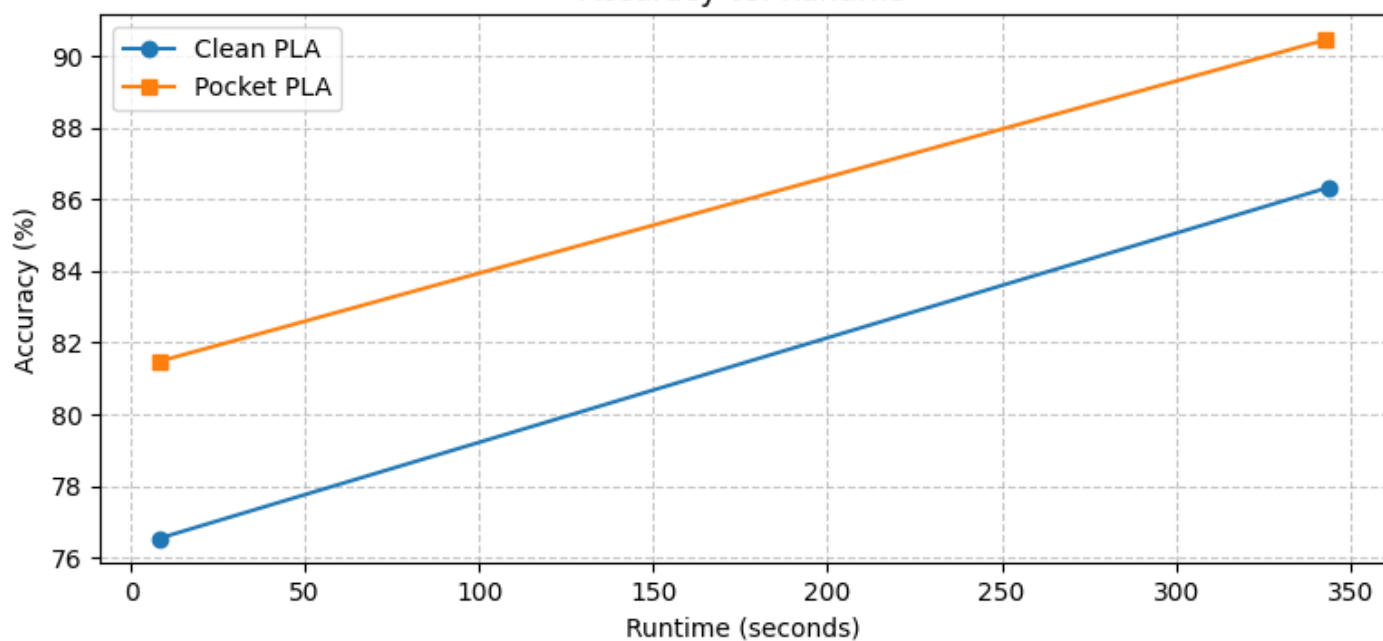




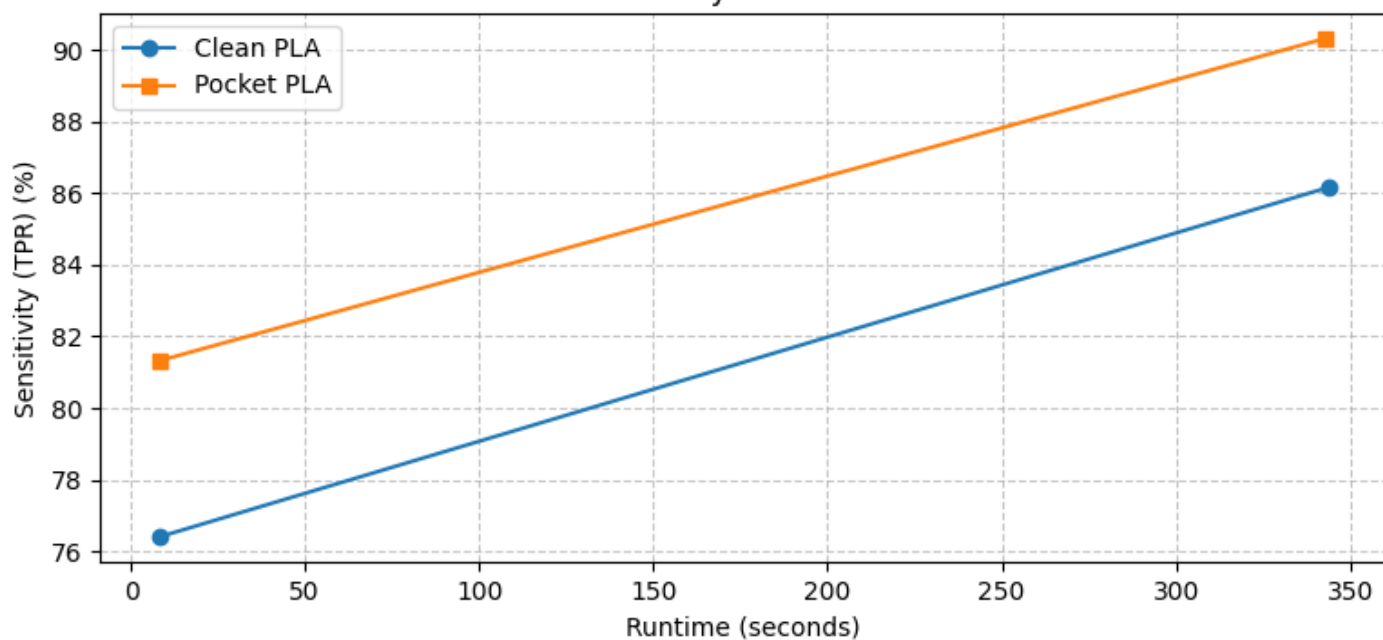


## Perceptrons: Performance vs. Runtime

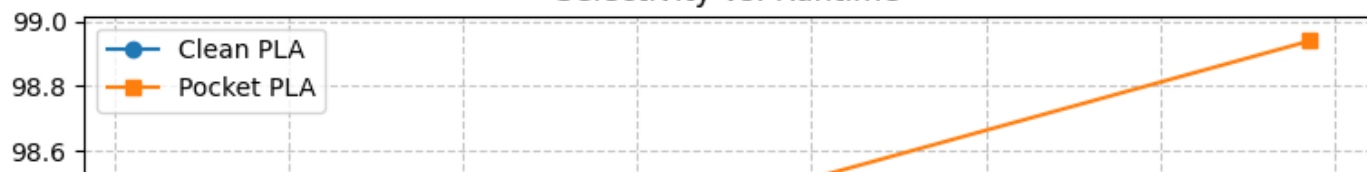
Accuracy vs. Runtime

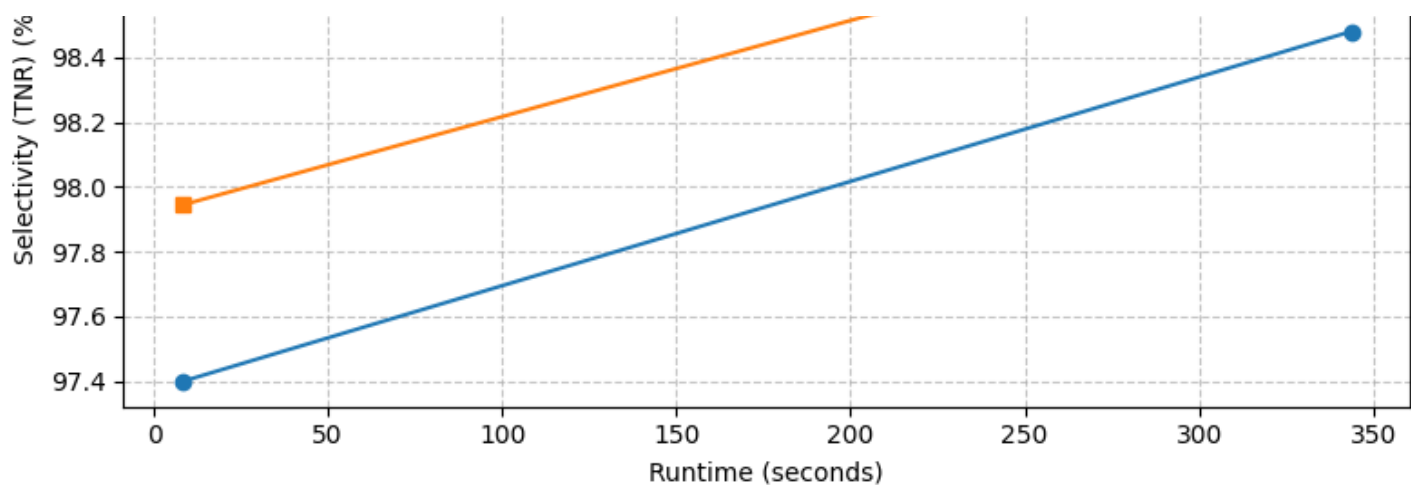


Sensitivity vs. Runtime

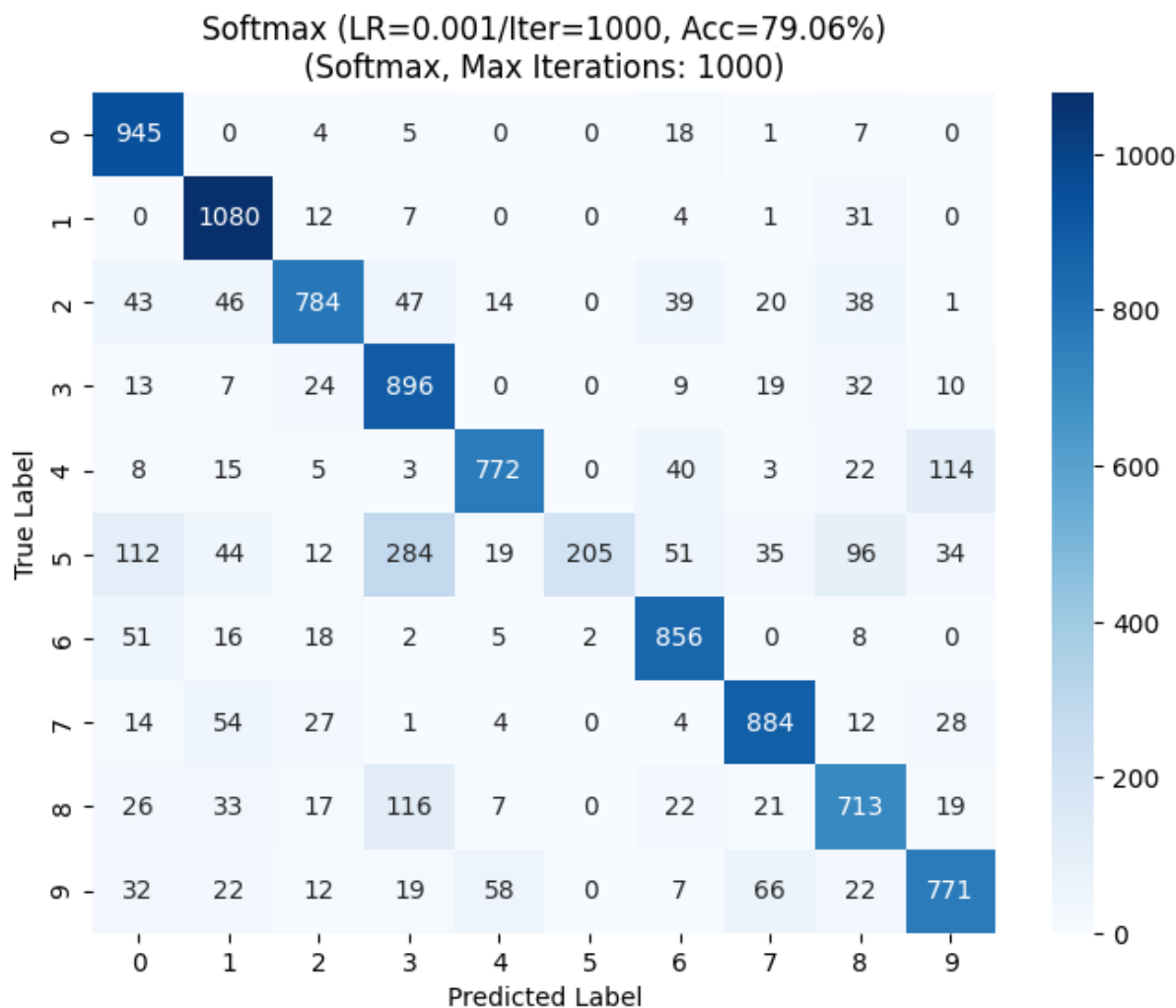


Selectivity vs. Runtime

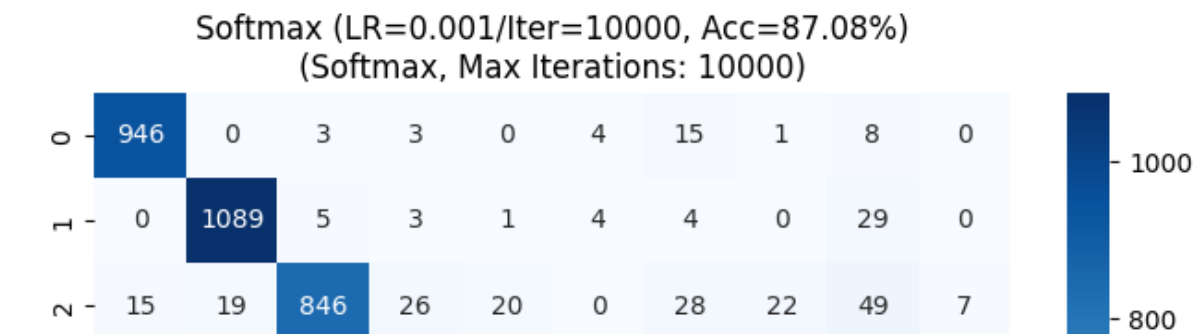


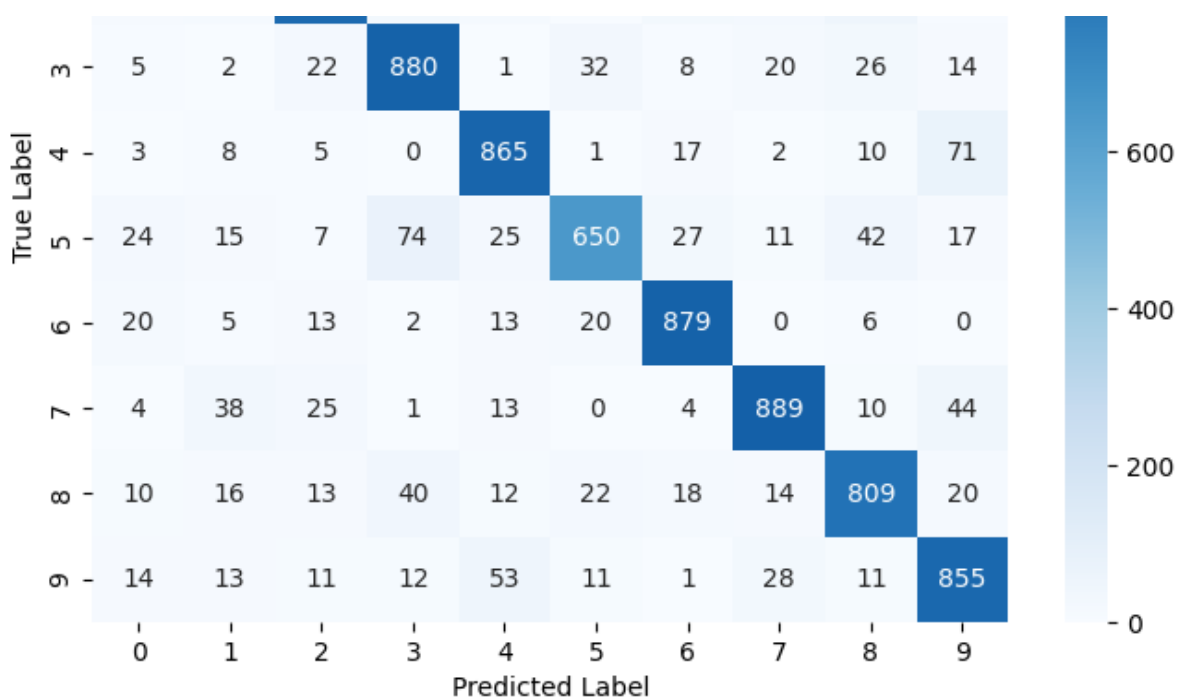


2025-03-18 13:23:25,739 - INFO -  
=== Perceptron Visualization Done ===  
  
2025-03-18 13:23:25,739 - INFO - === Visualizing Regressions (Softmax, Linear) ===  
Plotting Softmax Confusions: 0%| | 0/6 [00:00<?, ?  
it/s]



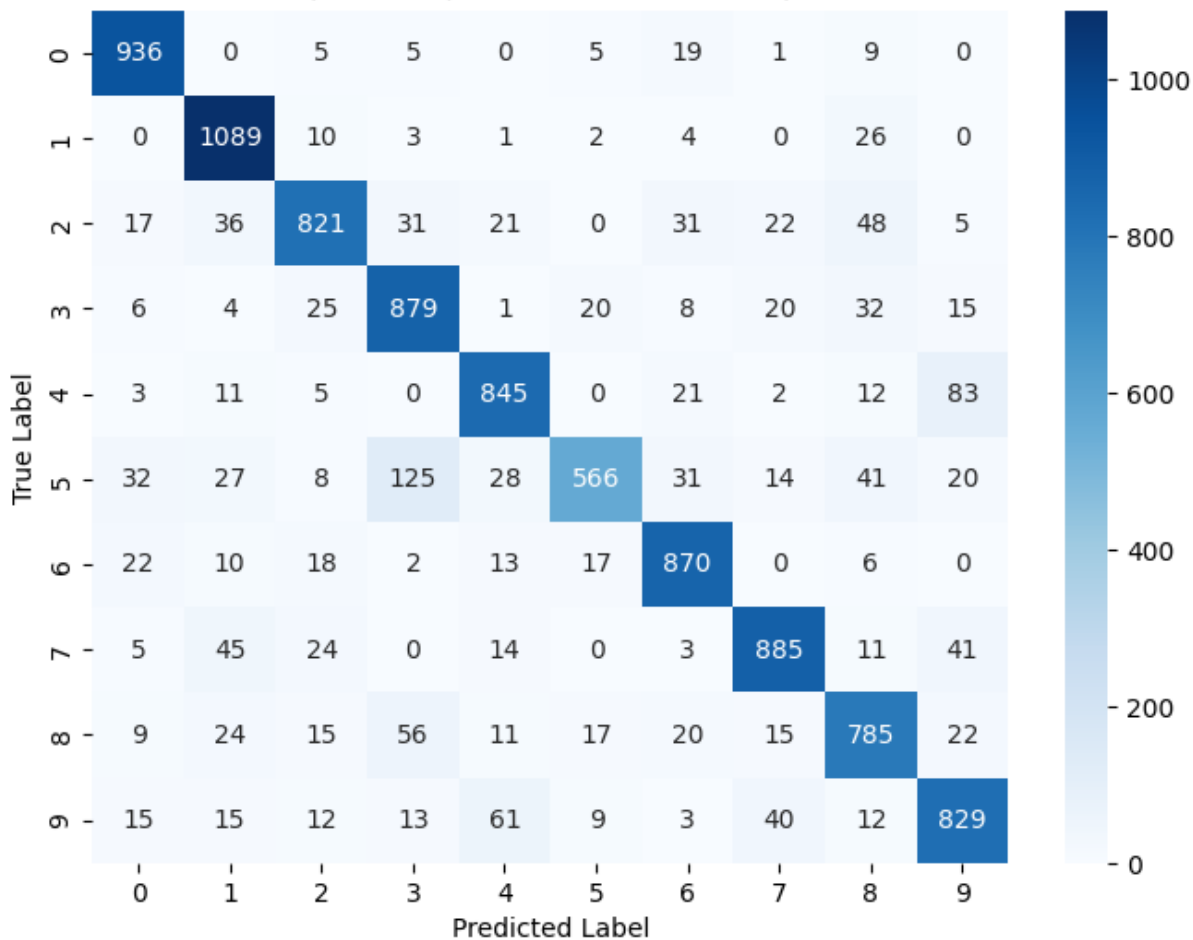
Plotting Softmax Confusions: 17%| | 1/6 [00:00<00:00, 8.46  
it/s]





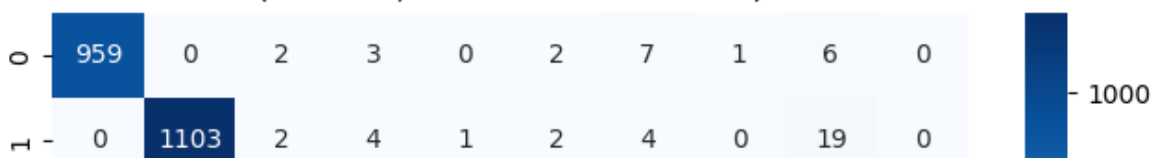
Plotting Softmax Confusions: 33% | ██████████ | 2/6 [00:00<00:00, 8.52it/s]

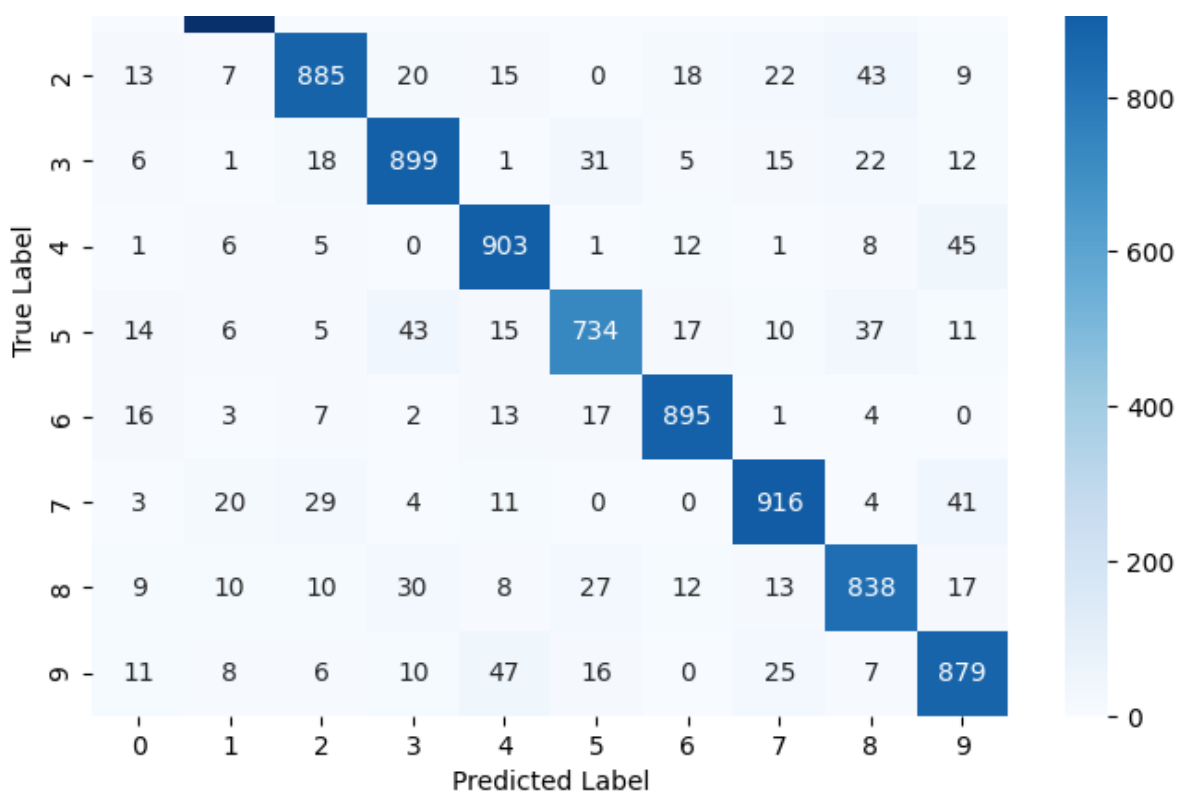
Softmax (LR=0.005/Iter=1000, Acc=85.05%)  
(Softmax, Max Iterations: 1000)



Plotting Softmax Confusions: 50% | ██████████ | 3/6 [00:00<00:00, 6.65it/s]

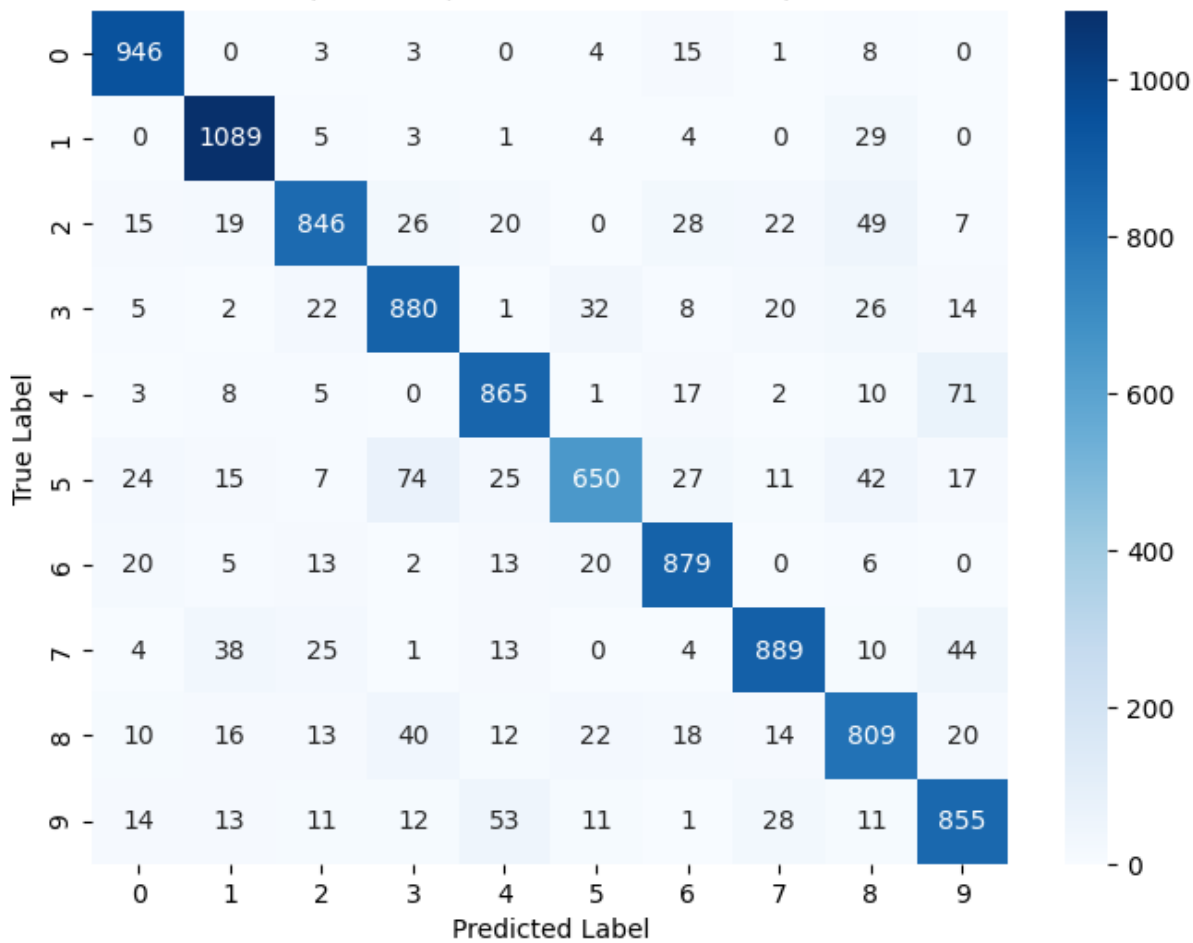
Softmax (LR=0.005/Iter=10000, Acc=90.11%)  
(Softmax, Max Iterations: 10000)





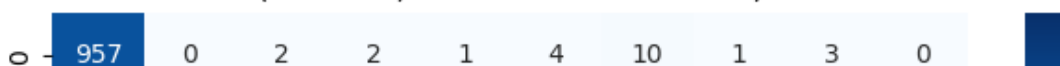
Plotting Softmax Confusions: 67% | ██████████ | 4/6 [00:00<00:00, 7.35it/s]

Softmax (LR=0.01/lter=1000, Acc=87.08%)  
(Softmax, Max Iterations: 1000)



Plotting Softmax Confusions: 83% | ██████████ | 5/6 [00:00<00:00, 7.77it/s]

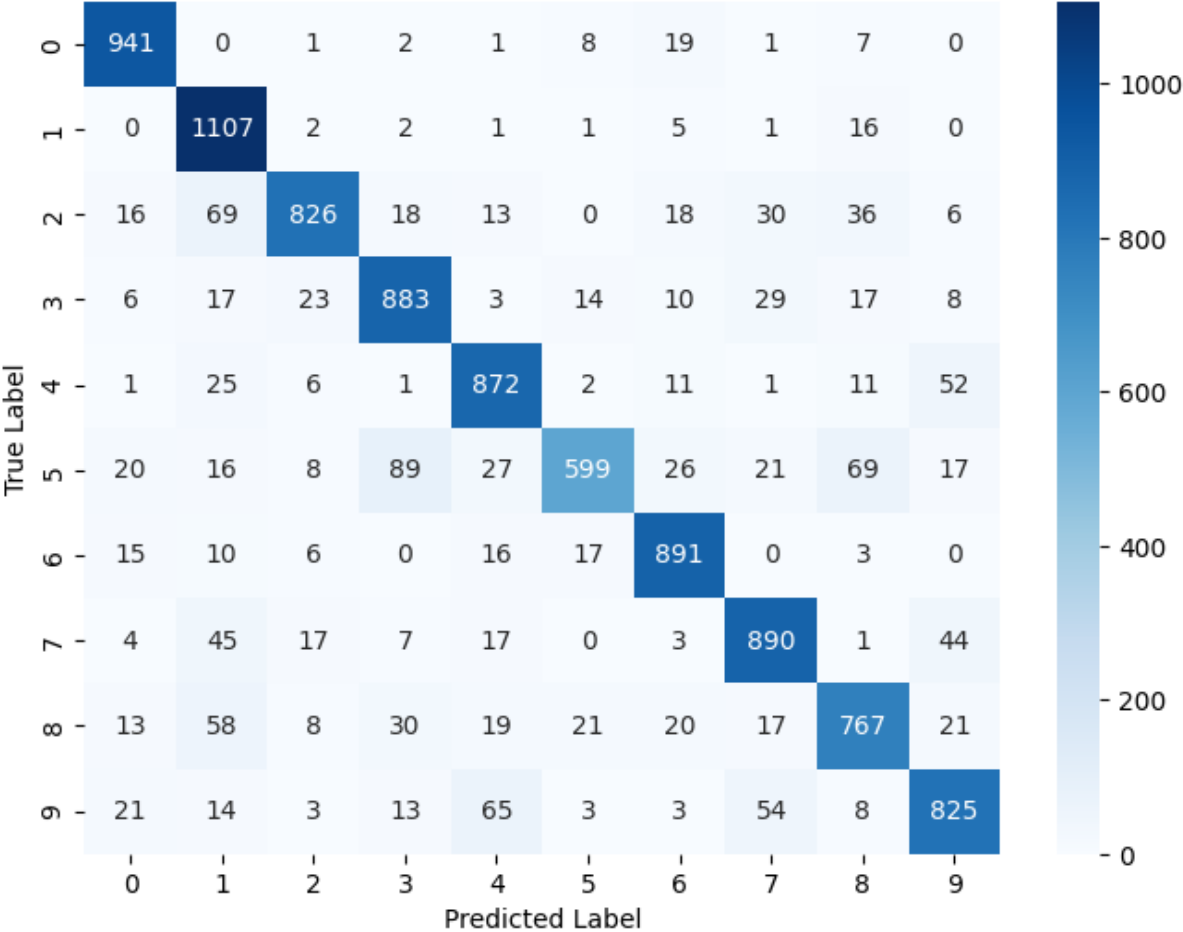
Softmax (LR=0.01/lter=10000, Acc=90.96%)  
(Softmax, Max Iterations: 10000)





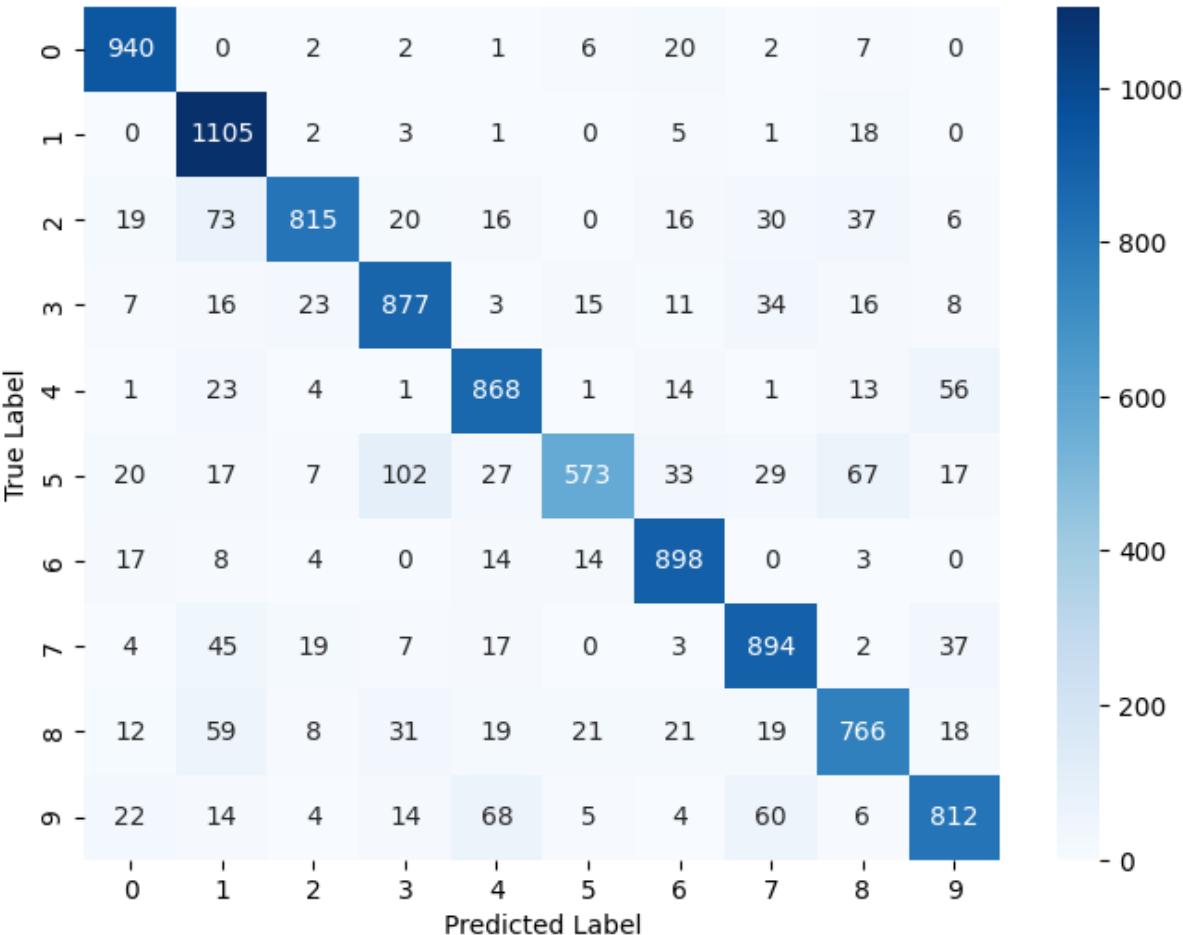


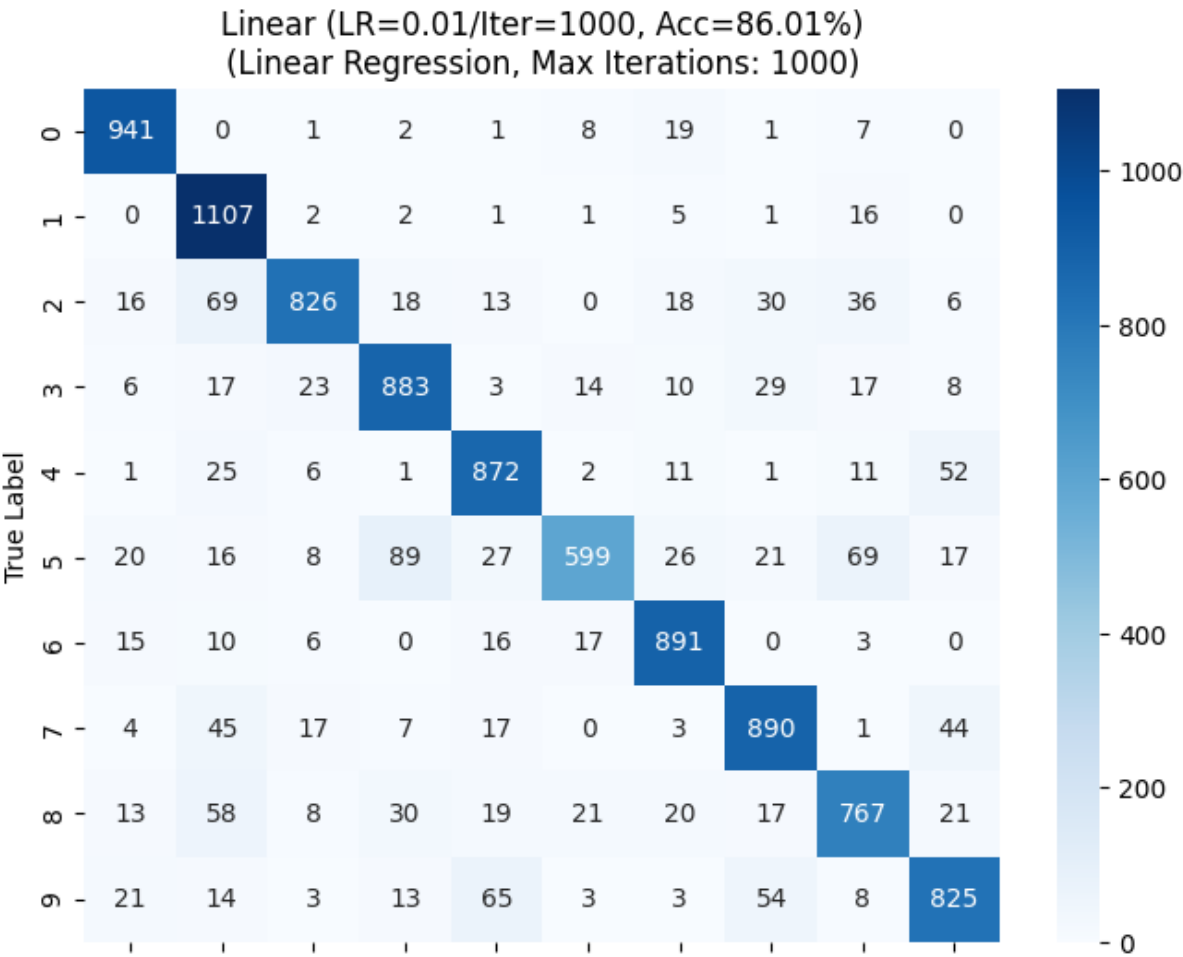
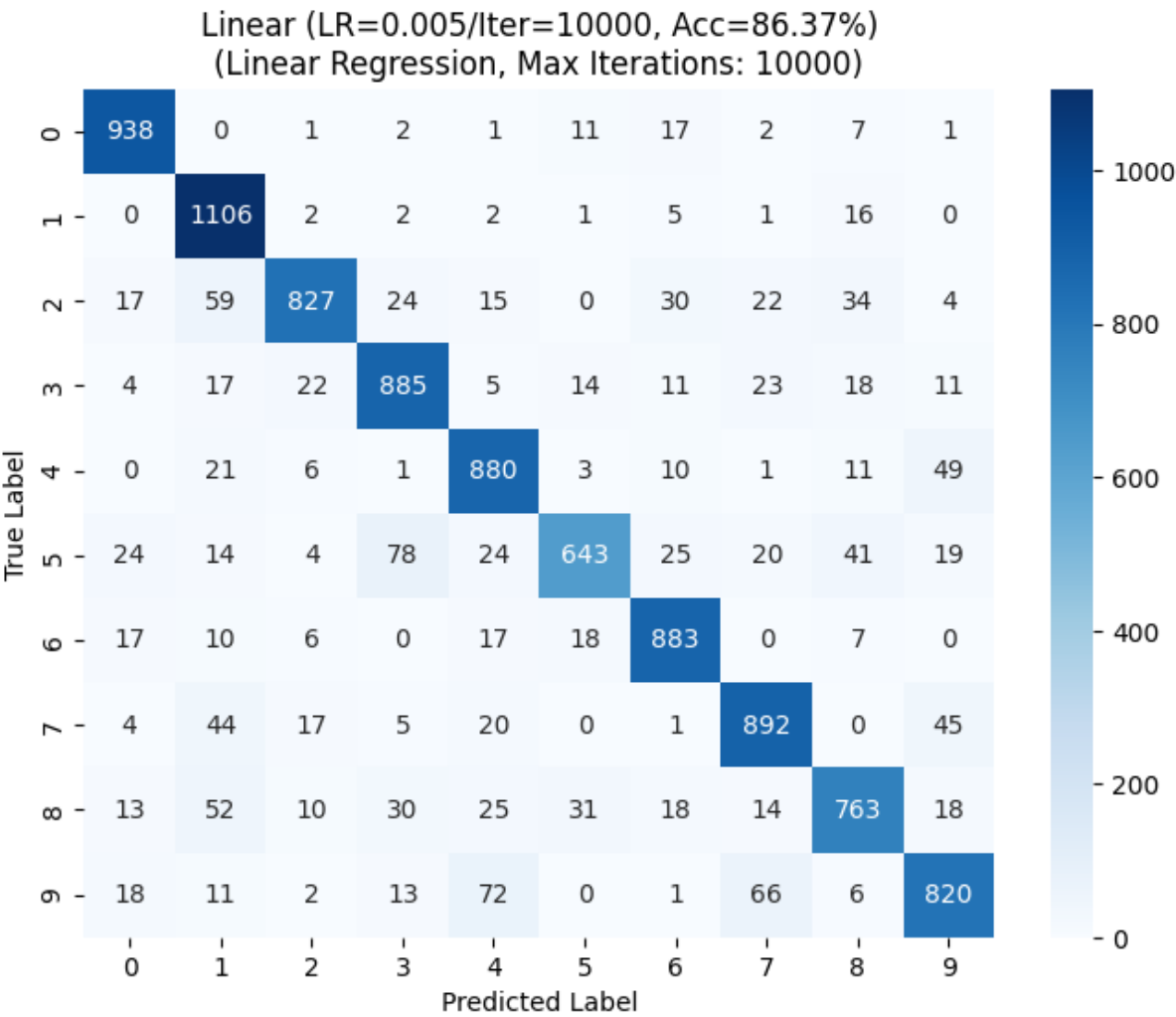
Linear (LR=0.001/Iter=10000, Acc=86.01%)  
(Linear Regression, Max Iterations: 10000)



Plotting Linear Confusions: 33% | ██████████ | 2/6 [00:00<00:00, 8.71 it/s]

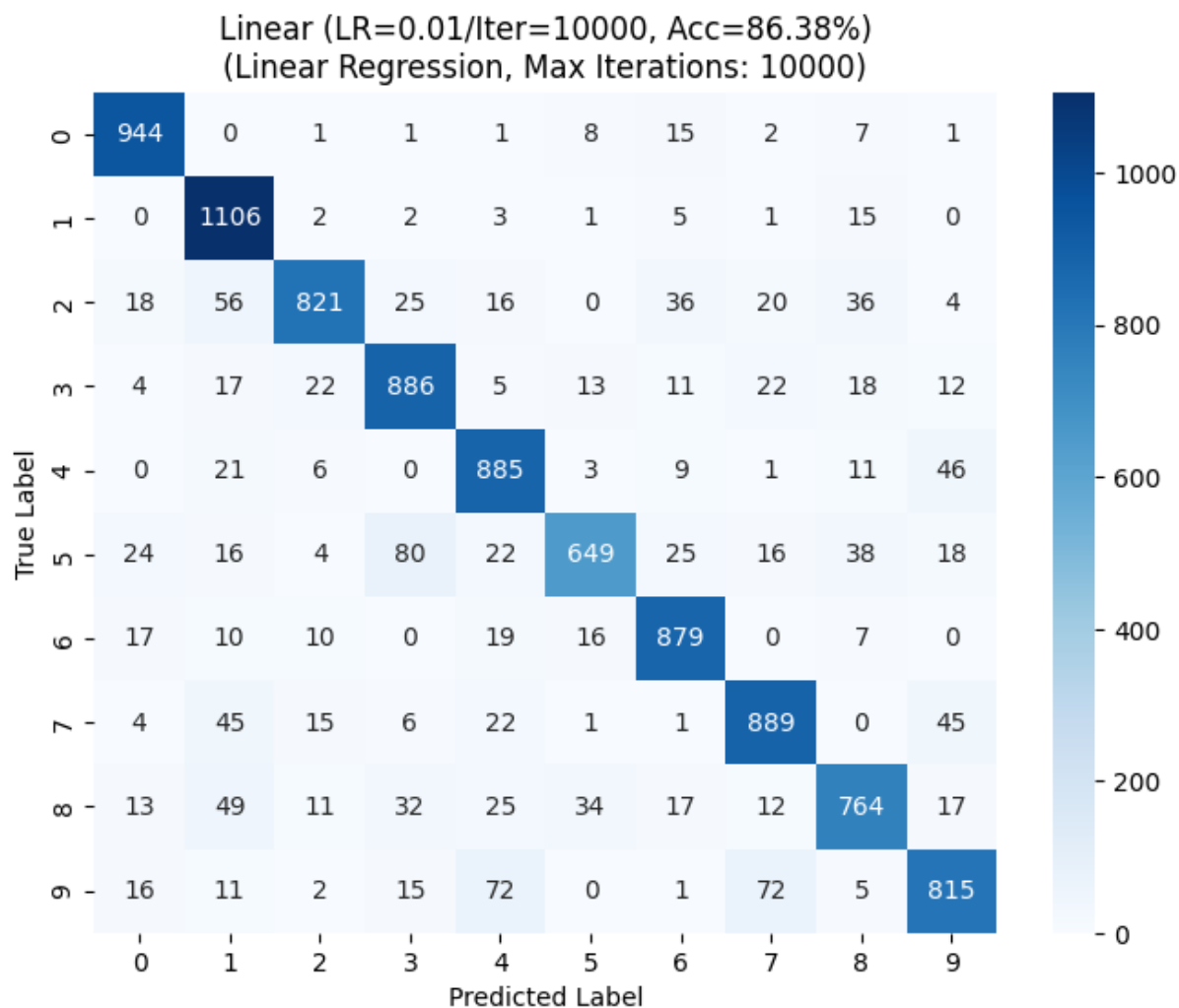
Linear (LR=0.005/Iter=1000, Acc=85.48%)  
(Linear Regression, Max Iterations: 1000)



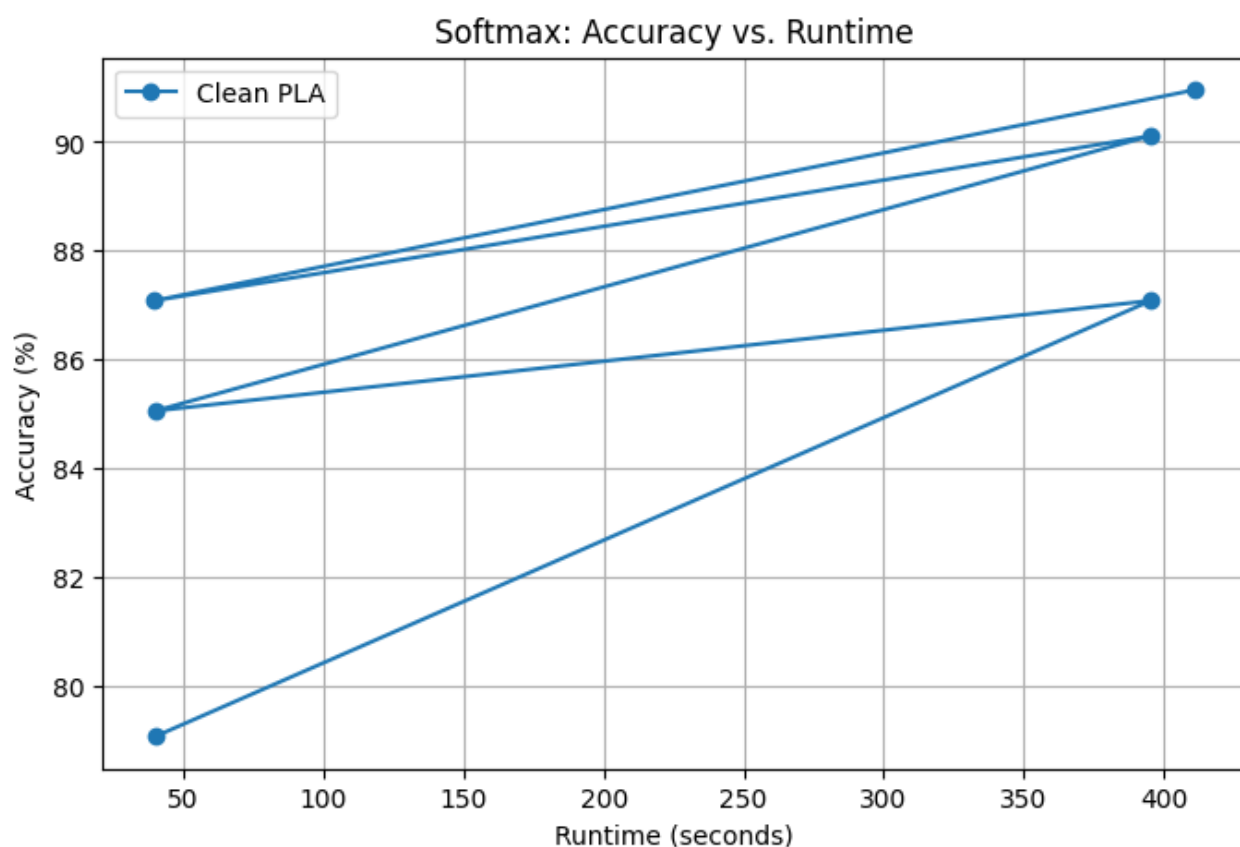


0 1 2 3 4 5 6 7 8 9  
Predicted Label

```
Plotting Linear Confusions: 83%|███████████████████████ | 5/6 [00:00<00:00, 8.60it/s]
```



```
Plotting Linear Confusions: 100%|██████████████████████| 6/6 [00:00<00:00, 8.62it/s]
```



Accuracy (%)

Runtime (seconds)

Clean PLA

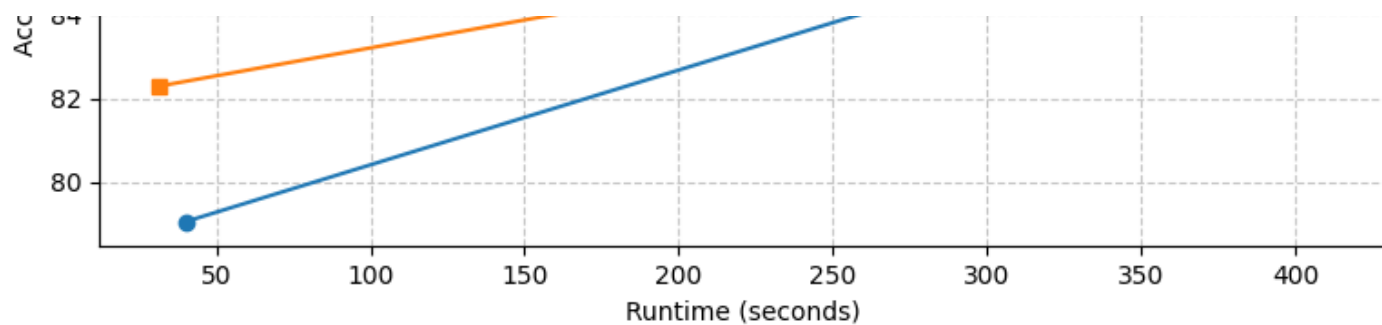
Runtime (seconds)	Accuracy (%) - Series 1	Accuracy (%) - Series 2	Accuracy (%) - Series 3	Accuracy (%) - Series 4
30	85.5	85.5	85.5	85.5
50	85.5	85.5	85.5	85.5
100	85.6	85.7	85.7	85.7
150	85.7	85.9	85.9	85.9
200	85.8	86.0	86.0	86.0
250	85.9	86.2	86.2	86.2
300	86.0	86.3	86.3	86.3
320	86.0	86.4	86.4	86.4

The graph displays the accuracy of two models, Clean PLA and Pocket PLA, across different runtime durations. The x-axis represents runtime in seconds, ranging from 40 to 415. The y-axis represents accuracy in percentage, ranging from 80 to 91. Clean PLA models are represented by blue lines with circular markers, and Pocket PLA models are represented by orange lines with square markers. The Clean PLA models show a general upward trend in accuracy as runtime increases, while the Pocket PLA models show a more stable, slightly increasing trend.

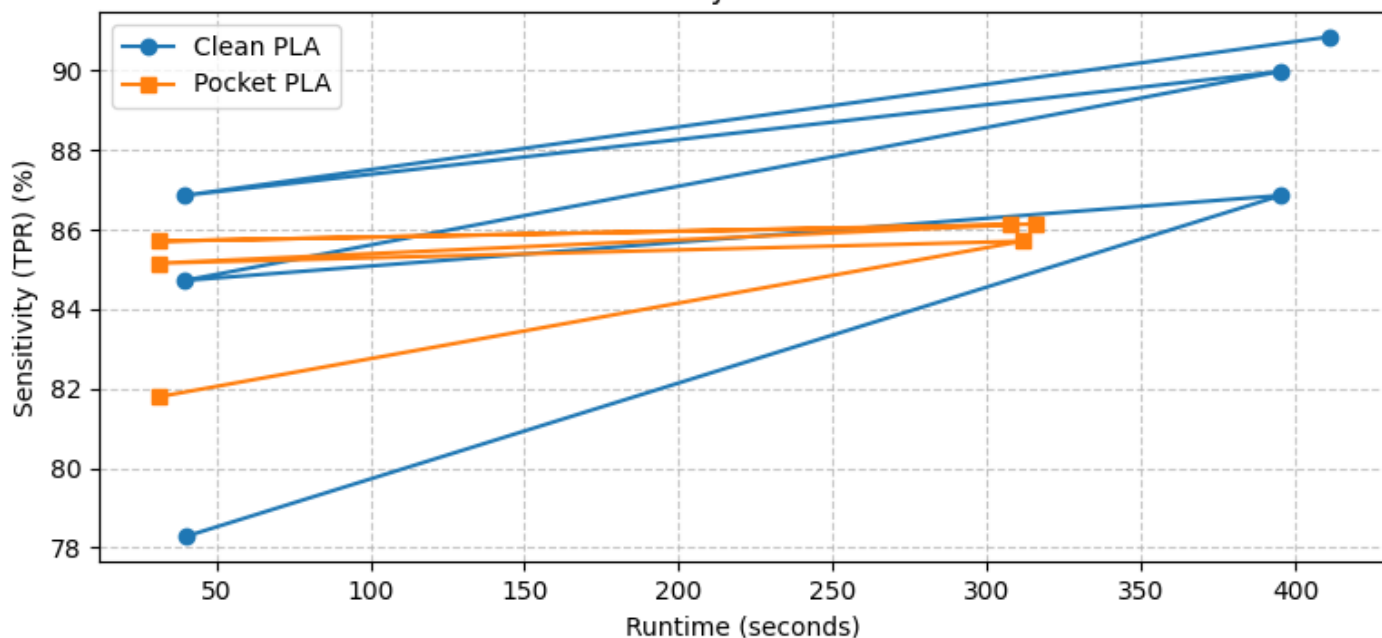
Model	Runtime (seconds)	Accuracy (%)
Clean PLA	40	89.1
Clean PLA	40	87.1
Clean PLA	40	85.1
Clean PLA	100	87.7
Clean PLA	150	88.2
Clean PLA	200	88.8
Clean PLA	250	89.4
Clean PLA	300	89.9
Clean PLA	350	90.4
Clean PLA	400	91.0
Clean PLA	415	91.5
Pocket PLA	40	86.0
Pocket PLA	40	85.5
Pocket PLA	40	82.3
Pocket PLA	100	86.2
Pocket PLA	150	86.2
Pocket PLA	200	86.3
Pocket PLA	250	86.4
Pocket PLA	300	86.5
Pocket PLA	315	86.5
Pocket PLA	315	86.0

The graph plots Accuracy (%) on the y-axis (84 to 90) against the Number of Samples on the x-axis (log scale: 100, 1000, 10000, 100000, 1000000). Two series are shown: Clean PLA (blue line with circles) and Pocket PLA (orange line with squares). Clean PLA starts at ~87.1% for 100 samples and increases to ~91.0% for 1,000,000 samples. Pocket PLA starts at ~85.9% for 100 samples and increases to ~86.4% for 10,000 samples, then remains flat.

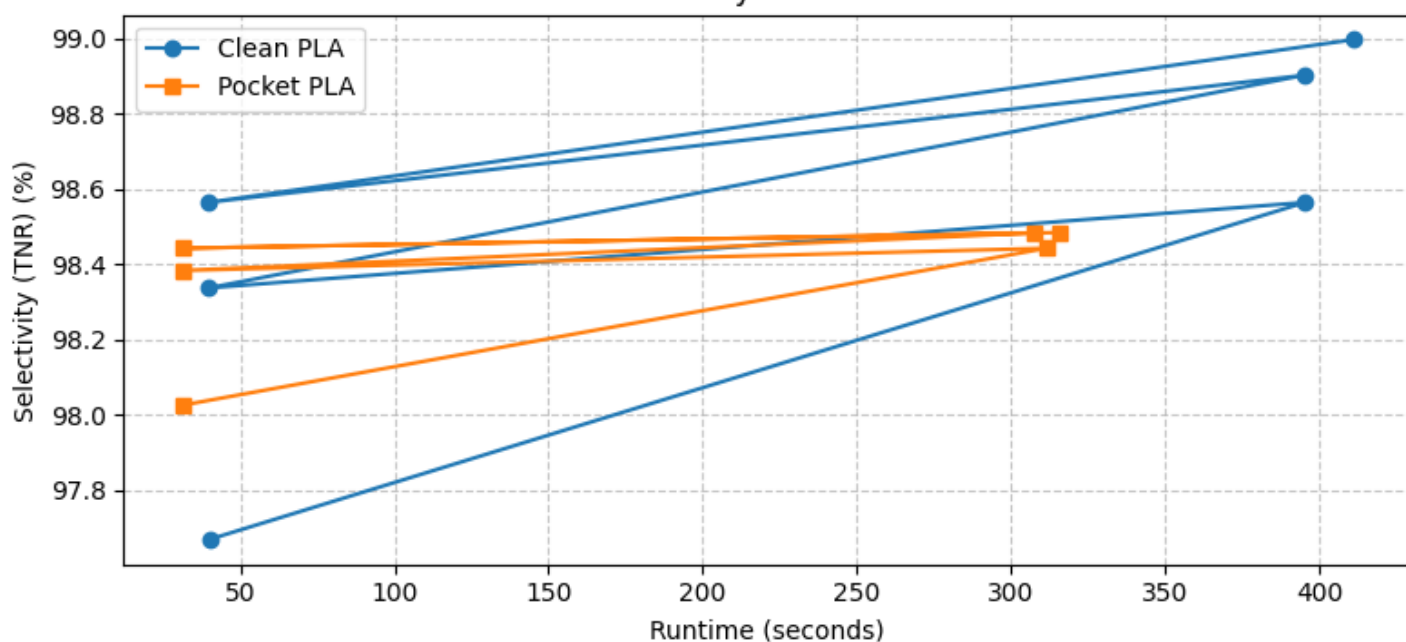
Number of Samples	Clean PLA Accuracy (%)	Pocket PLA Accuracy (%)
100	~87.1	~85.9
1000	~88.4	~85.8
10000	~89.1	~86.4
100000	~90.1	~86.4
1000000	~91.0	~86.4



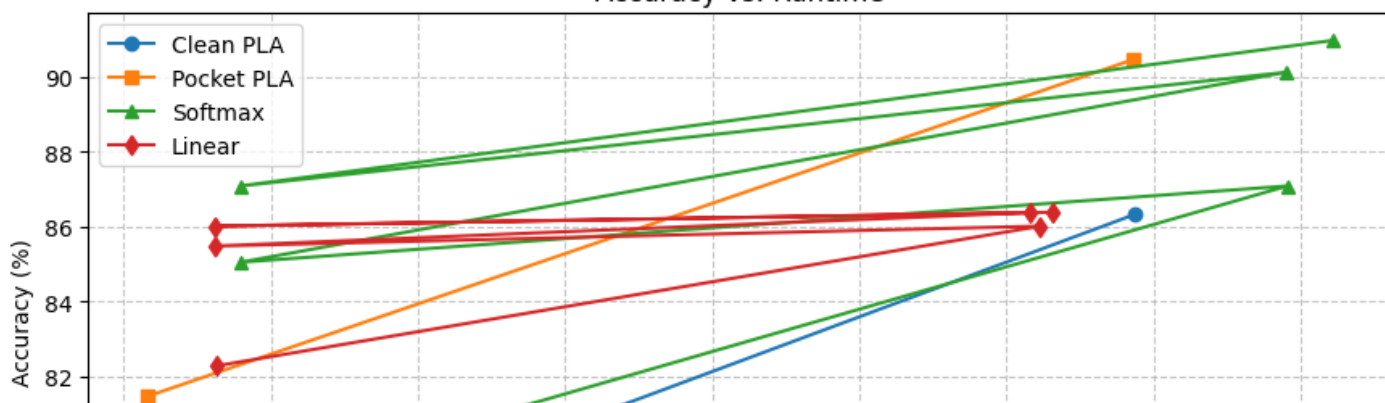
Sensitivity vs. Runtime



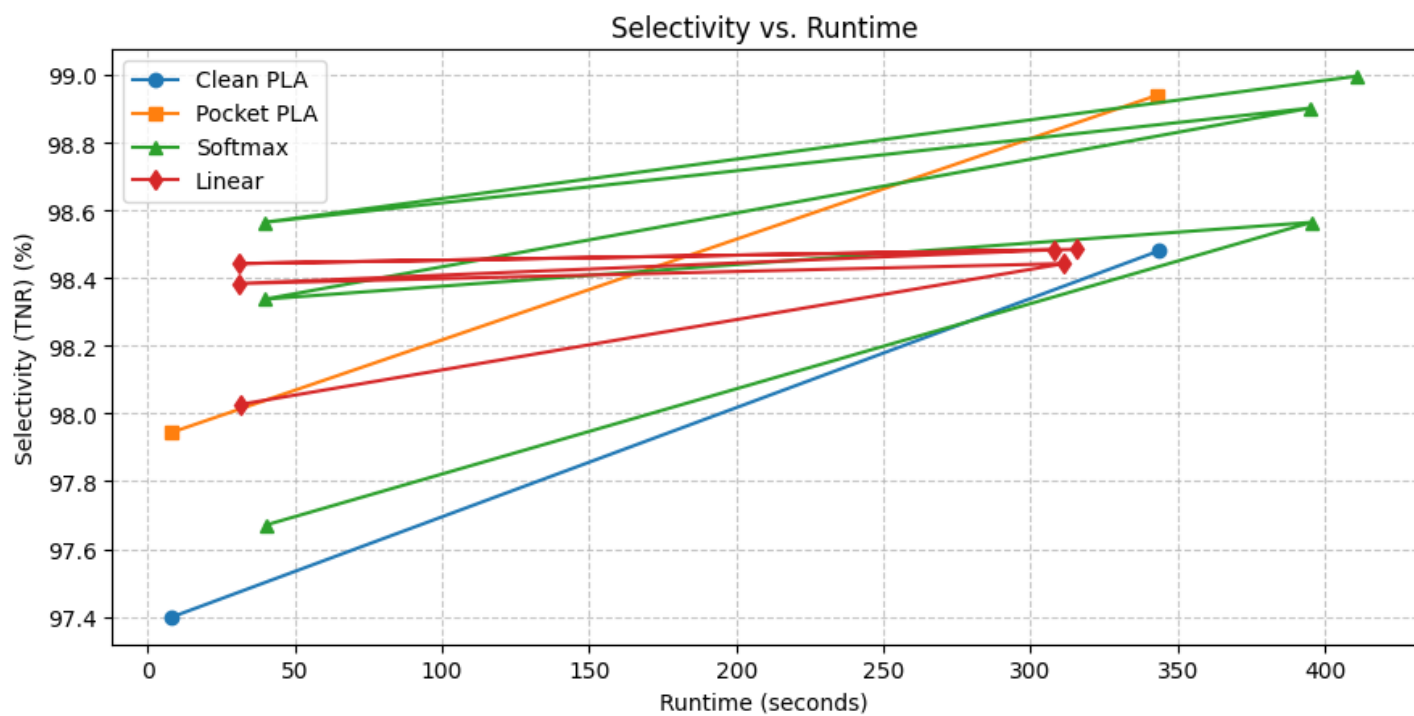
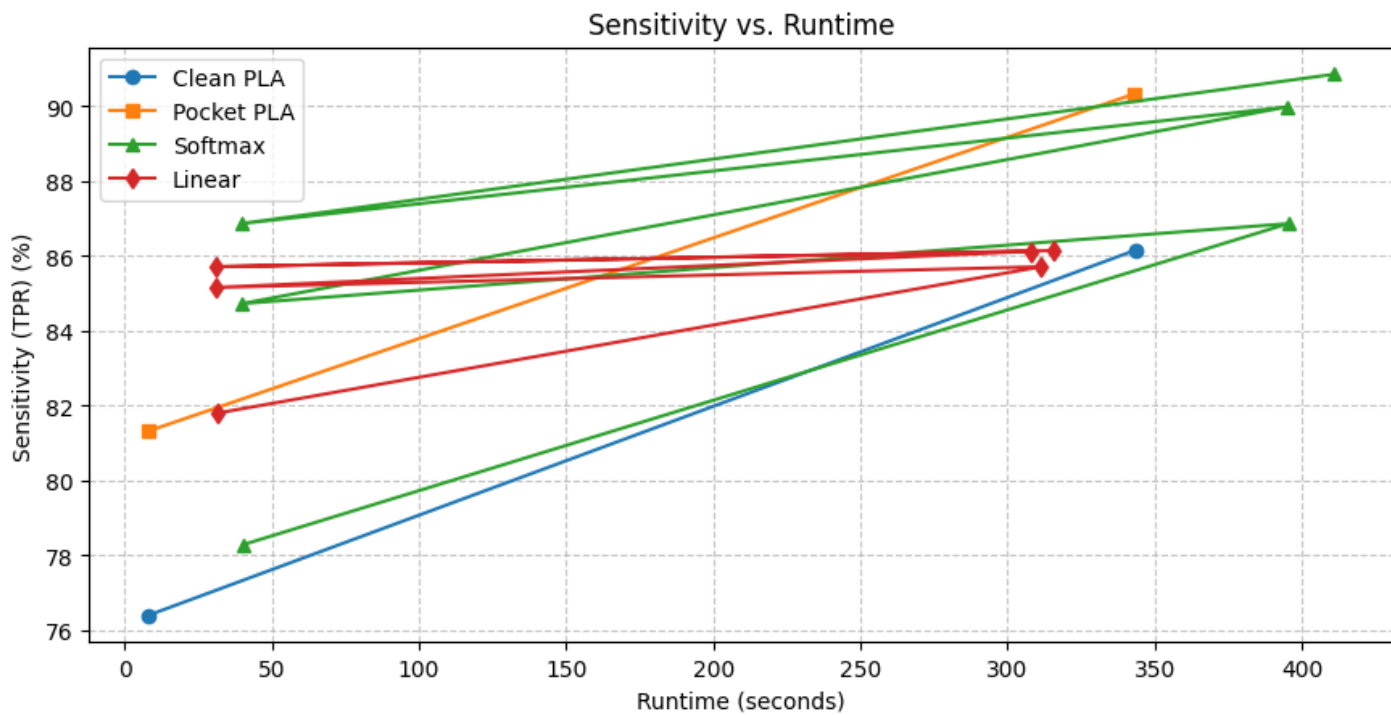
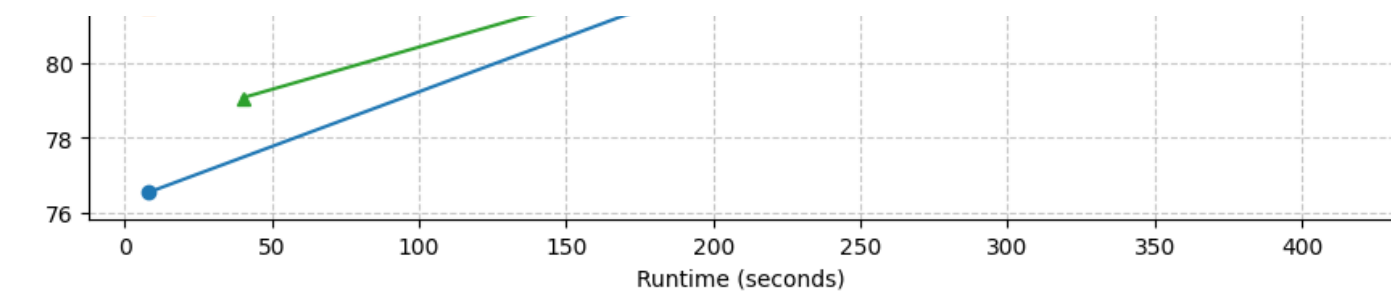
Selectivity vs. Runtime

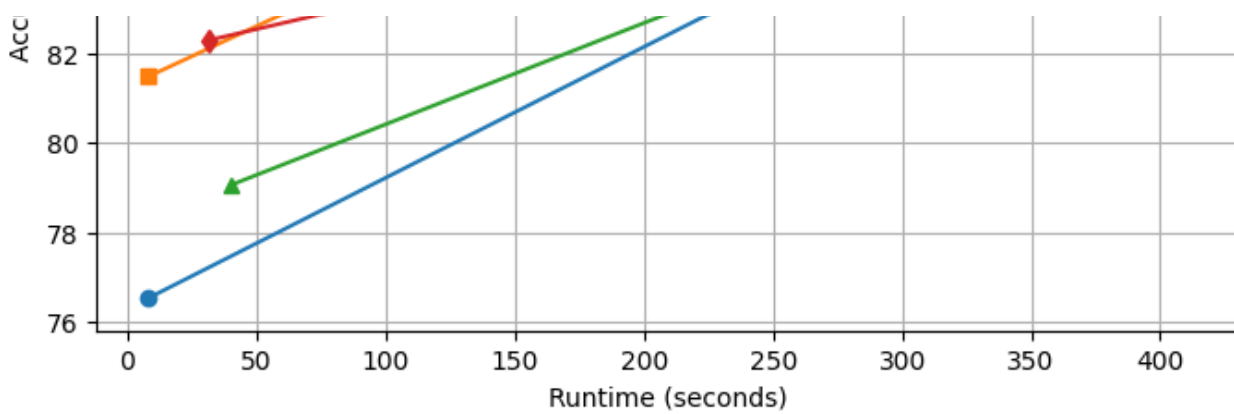


Performance vs. Runtime (4-Model Comparison)  
Accuracy vs. Runtime









2025-03-18 13:23:27,848 - INFO -  
=== Regressions Visualization Done ===

# Final Results Summary

## Observations:

- **Pocket PLA** consistently outperforms Clean PLA in both accuracy and sensitivity (TPR) across all tested iteration counts.
- Increasing `max_iter` improves performance, though gains tend to plateau beyond roughly 50–100 iterations.
- **Runtime** increases nearly linearly with `max_iter` for both methods, highlighting a clear trade-off between higher accuracy and computational cost.
- Perfect linear separation is not achieved—even at higher iteration counts, neither method reaches 100% accuracy, indicating that the dataset is not strictly linearly separable.

## Trade-off Analysis:

- **Low Iterations (`max_iter` = 10–30):**  
Fast training with modest accuracy and TPR, suitable for rapid prototyping or time-sensitive applications.
- **Medium Iterations (`max_iter` = 50–100):**  
Balanced performance and runtime, capturing most achievable gains without excessive overhead.
- **High Iterations (`max_iter` > 100):**  
Marginal performance improvements with significant runtime increase; diminishing returns for practical applications.

## Recommendations for Future Work:

- Experiment with alternative update rules (e.g., adaptive learning rates) to accelerate convergence.
- Compare against more sophisticated models (e.g., Logistic Regression, SVMs, neural networks) for broader insights.
- Evaluate model robustness under noisy or adversarial conditions.

This comprehensive analysis—including confusion matrices, error curves, and summary plots—provides detailed insights into the performance of the multi-class Perceptron on MNIST and informs the optimal balance between training efficiency and classification performance.