/usr/local/lib/python3.11/dist-packages/torch/optim/lr\_scheduler.py:227: UserWarning: Detected call of `lr\_scheduler.step()` before `optimizer.step()`. In PyTorch 1.1.0 and later, you should call them in the opposite order: `optimizer.step()` before `lr\_scheduler.step()`. Failure to do this will result in PyTorch skipping the first value of the learning rate schedule. See more details at <https://pytorch.org/docs/stable/optim.html#how-to-adjust-learning-rate>

warnings.warn(

Epoch 500: train loss 9.5788, val loss 10.1519

The current learning rate: 0.00007

/usr/local/lib/python3.11/dist-packages/torch/optim/lr\_scheduler.py:243: UserWarning: The epoch parameter in `scheduler.step()` was not necessary and is being deprecated where possible. Please use `scheduler.step()` to step the scheduler. During the deprecation, if epoch is different from None, the closed form is used instead of the new chainable form, where available. Please open an issue if you are unable to replicate your use case: <https://github.com/pytorch/pytorch/issues/new/choose>.

warnings.warn(EPOCH\_DEPRECATION\_WARNING, UserWarning)

Epoch 1000: train loss 8.3116, val loss 9.5275

The current learning rate: 0.00010

Epoch 1500: train loss 7.3765, val loss 9.1723

The current learning rate: 0.00010

Epoch 2000: train loss 6.5443, val loss 8.7810

The current learning rate: 0.00010

Epoch 2500: train loss 5.7557, val loss 8.4017

The current learning rate: 0.00011

Epoch 3000: train loss 5.0029, val loss 7.9644

The current learning rate: 0.00011

Epoch 3500: train loss 4.2000, val loss 7.4296

The current learning rate: 0.00012

Epoch 4000: train loss 3.4132, val loss 7.0179

The current learning rate: 0.00012

Epoch 4500: train loss 2.7088, val loss 6.7485

The current learning rate: 0.00013

Epoch 5000: train loss 2.0105, val loss 6.5804

The current learning rate: 0.00014

Epoch 5500: train loss 1.4283, val loss 6.4826

The current learning rate: 0.00015

Epoch 6000: train loss 0.9138, val loss 6.4513

The current learning rate: 0.00016

Epoch 6500: train loss 0.5296, val loss 6.5277

The current learning rate: 0.00018

Epoch 7000: train loss 0.2924, val loss 6.6755

The current learning rate: 0.00019

Epoch 7500: train loss 0.1499, val loss 6.8489

The current learning rate: 0.00020

Epoch 8000: train loss 0.0842, val loss 7.0447

The current learning rate: 0.00022

Epoch 8500: train loss 0.0548, val loss 7.2878

The current learning rate: 0.00024

Epoch 9000: train loss 0.0394, val loss 7.4376

The current learning rate: 0.00025

Epoch 9500: train loss 0.0302, val loss 7.5367

The current learning rate: 0.00027

Epoch 10000: train loss 0.0248, val loss 7.6350

The current learning rate: 0.00028

Epoch 10500: train loss 0.0213, val loss 7.8292

The current learning rate: 0.00030

Epoch 11000: train loss 0.0193, val loss 8.0525

The current learning rate: 0.00032

Epoch 11500: train loss 0.0180, val loss 8.0802

The current learning rate: 0.00033

Epoch 12000: train loss 0.0168, val loss 8.1199

The current learning rate: 0.00035

Epoch 12500: train loss 0.0165, val loss 8.3606

The current learning rate: 0.00036

Epoch 13000: train loss 0.0158, val loss 8.8094

The current learning rate: 0.00038

Epoch 13500: train loss 0.0156, val loss 8.6340

The current learning rate: 0.00040

Epoch 14000: train loss 0.0153, val loss 8.6792

The current learning rate: 0.00041

Epoch 14500: train loss 0.0151, val loss 8.5648

The current learning rate: 0.00042

Epoch 15000: train loss 0.0149, val loss 8.7739

The current learning rate: 0.00044

Epoch 15500: train loss 0.0148, val loss 9.1499

The current learning rate: 0.00045

Epoch 16000: train loss 0.0152, val loss 9.3318

The current learning rate: 0.00046

Epoch 16500: train loss 0.0148, val loss 9.2954

The current learning rate: 0.00047

Epoch 17000: train loss 0.0148, val loss 9.2818

The current learning rate: 0.00048

Epoch 17500: train loss 0.0149, val loss 9.4794

The current learning rate: 0.00048

Epoch 18000: train loss 0.0144, val loss 9.1285

The current learning rate: 0.00049

Epoch 18500: train loss 0.0144, val loss 9.5059

The current learning rate: 0.00049

Epoch 19000: train loss 0.0146, val loss 9.6102

The current learning rate: 0.00050

Epoch 19500: train loss 0.0143, val loss 9.3815

The current learning rate: 0.00050

