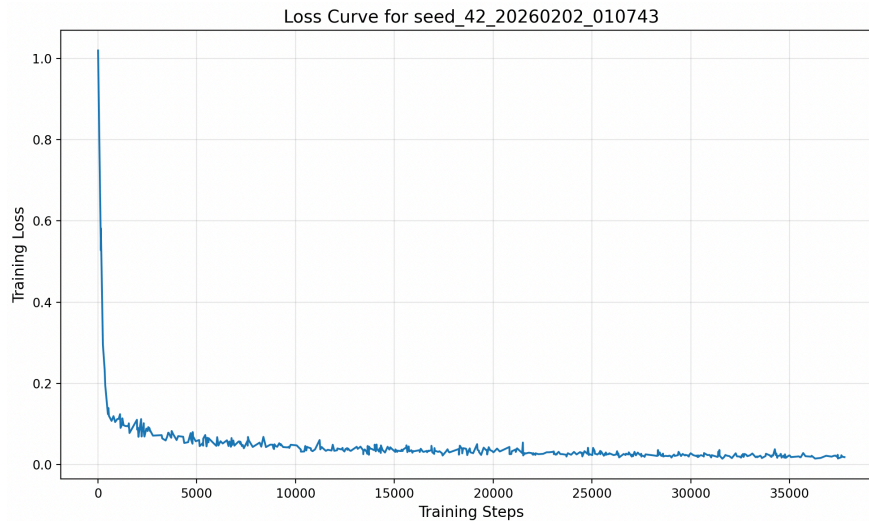


MSE:

Training curve is attached below.

My MLP architecture is a four layer MLP. Using hidden dimensions of 256, 256, 256 in the intermediate layers. I used ReLUSquared as activation function.



Flow Matching:

Training curve is attached below:

Qualitatively, flow matching performs better than MSE. The observations that I had is that it is smoother, and deteriorates less often. MSE policy sometimes the dot will just give up and go to a corner and stopped moving the T at all. While flow matching the dot is more stable, stays around the T even in cases where it doesn't fully match the shape.

