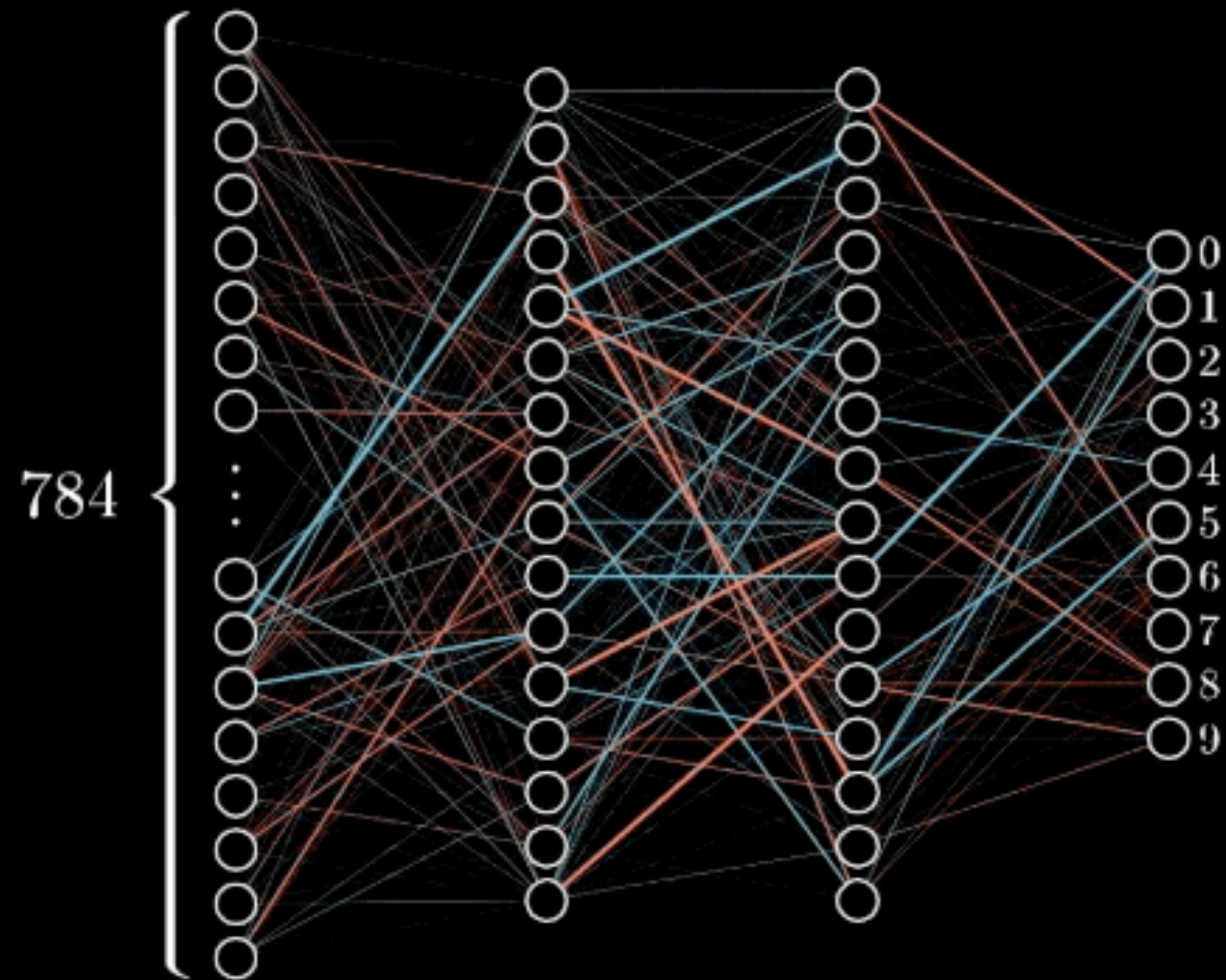


Training loop

1. Draw a batch of training samples x and corresponding targets y
2. Run the network on x (this is called "forward pass"), obtain predictions y_{pred}
3. Compute the "loss" of the network on the batch, a measure of the mismatch between y_{pred} and y
4. Update all weights of the network in a way that slightly reduces the loss on this batch.



STEP 01: FORWARD PROPAGATION