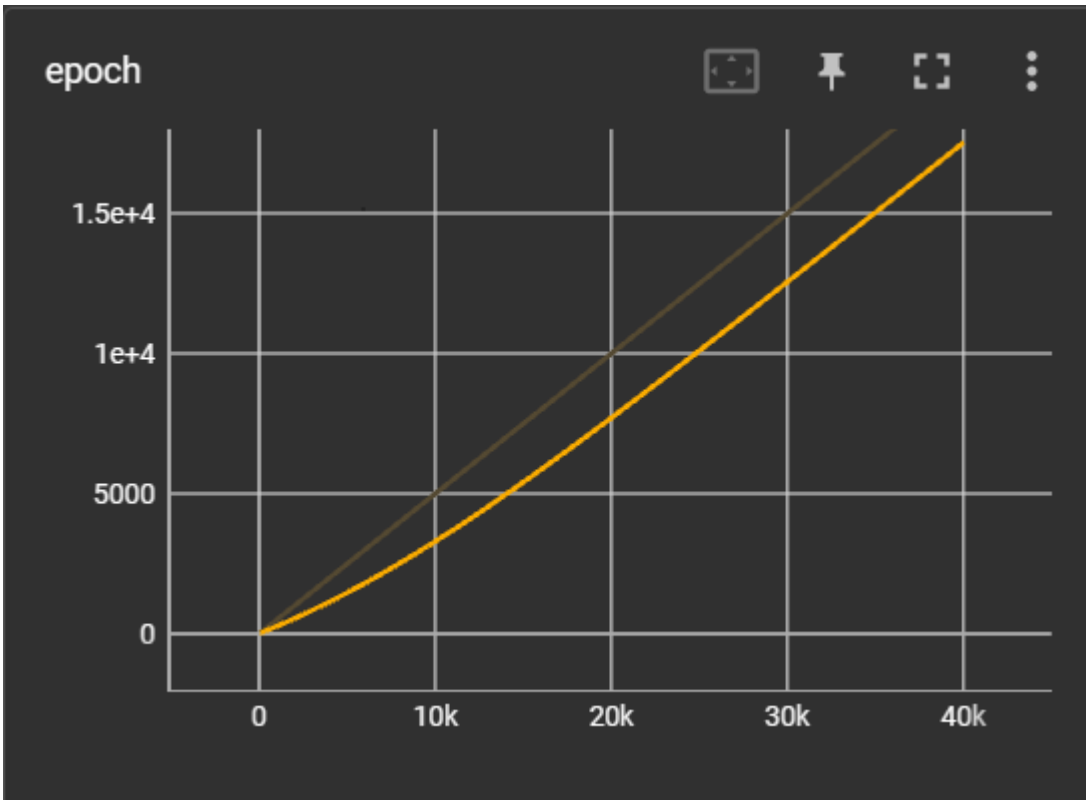
LSTM (Long Short-term Memory) Models

- This is my models that building from scratch with PytorchLightning
- The data for training models that declared in the code NOTE: the Data is tiny, just for testing models purpose ((2,4) Tensor)
- `lightning_logs` used for ternsorboard: `ternsorboard --logdir .\lightning_logs`
- `images` is just used to write md files nno more

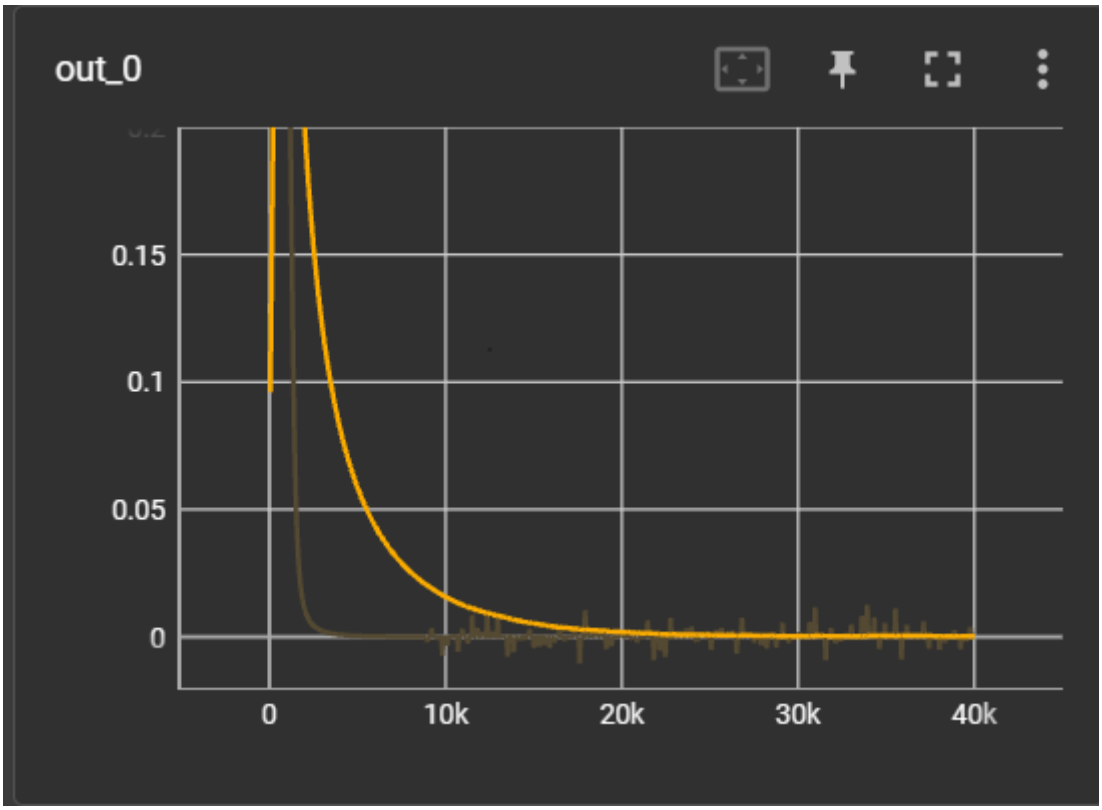
Report

Firstly, i used 3000 epochs for training. But the graph is not convergent enough. So, i decided to increase upto 5000 epochs. And again, it not enough. Finalli, i increase a huge amount, up to 20 000 epochs. And now, it can adapt to my require.

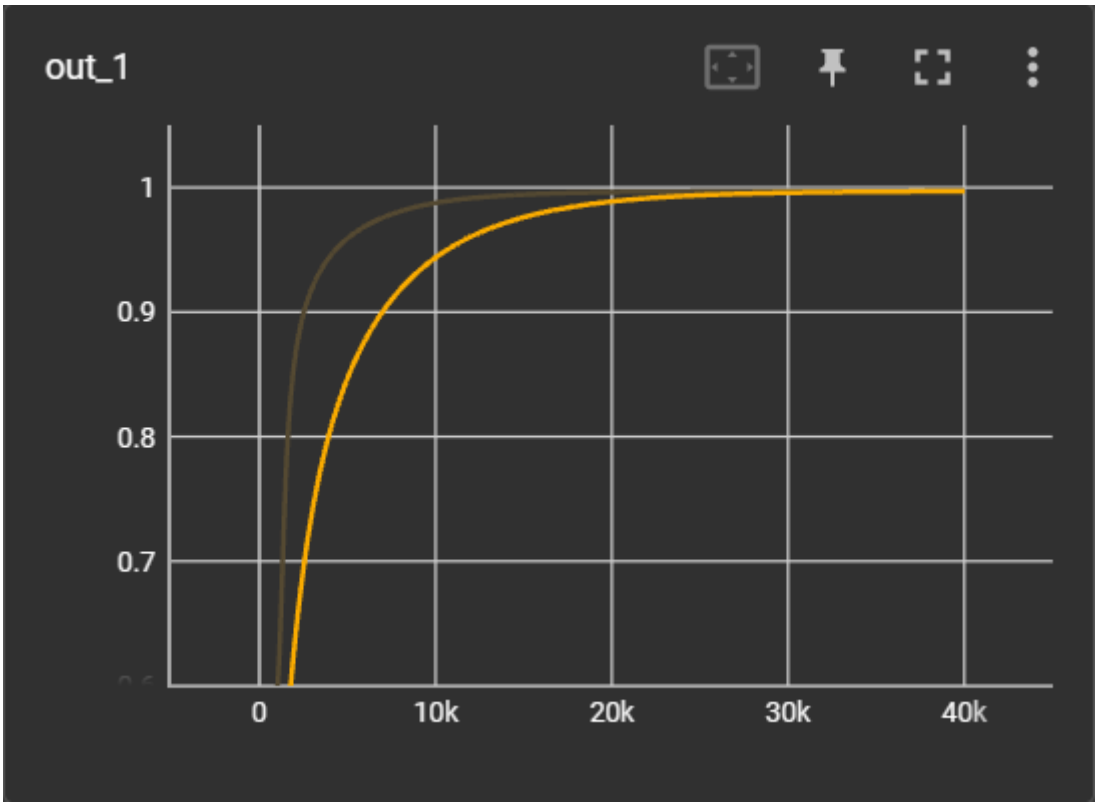
- As you see in graphs below, i used 20 000 epochs.



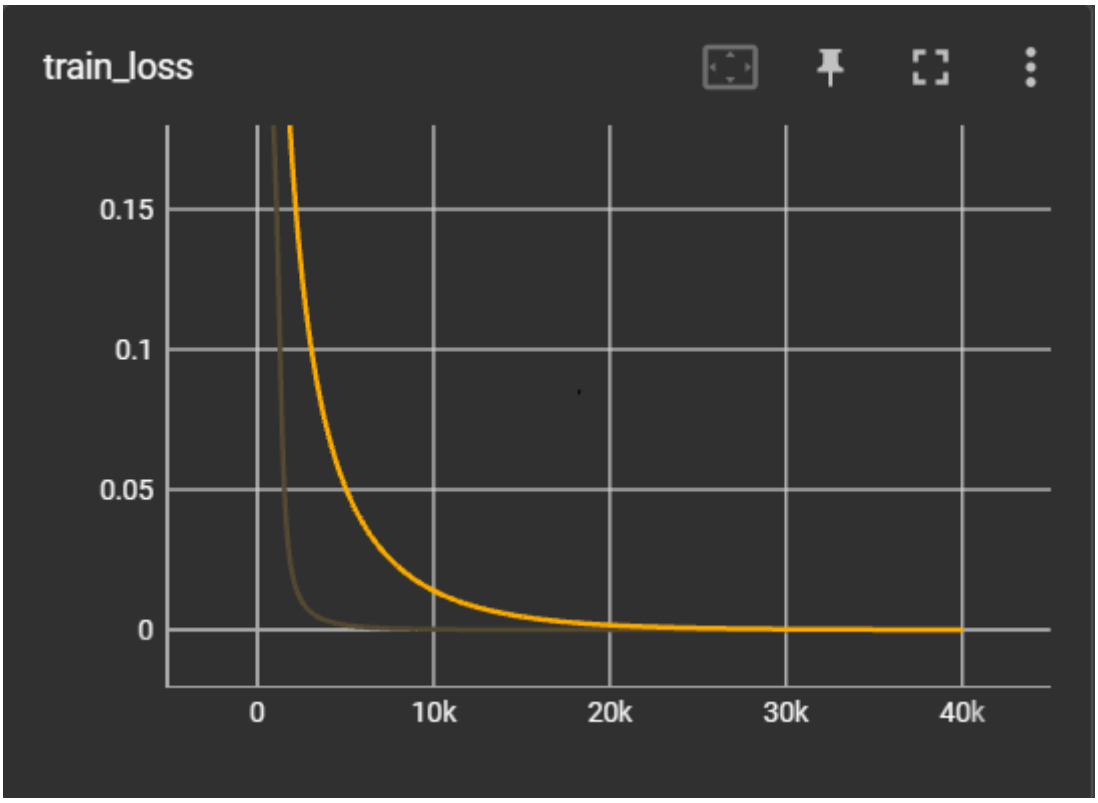
- The output of Company A approximate to 0.00



- And the output of Comany B approximate to 1



- And the loss is very small


train_loss
0.15
0.1
0.05
0
0
10k
20k
30k
40k