

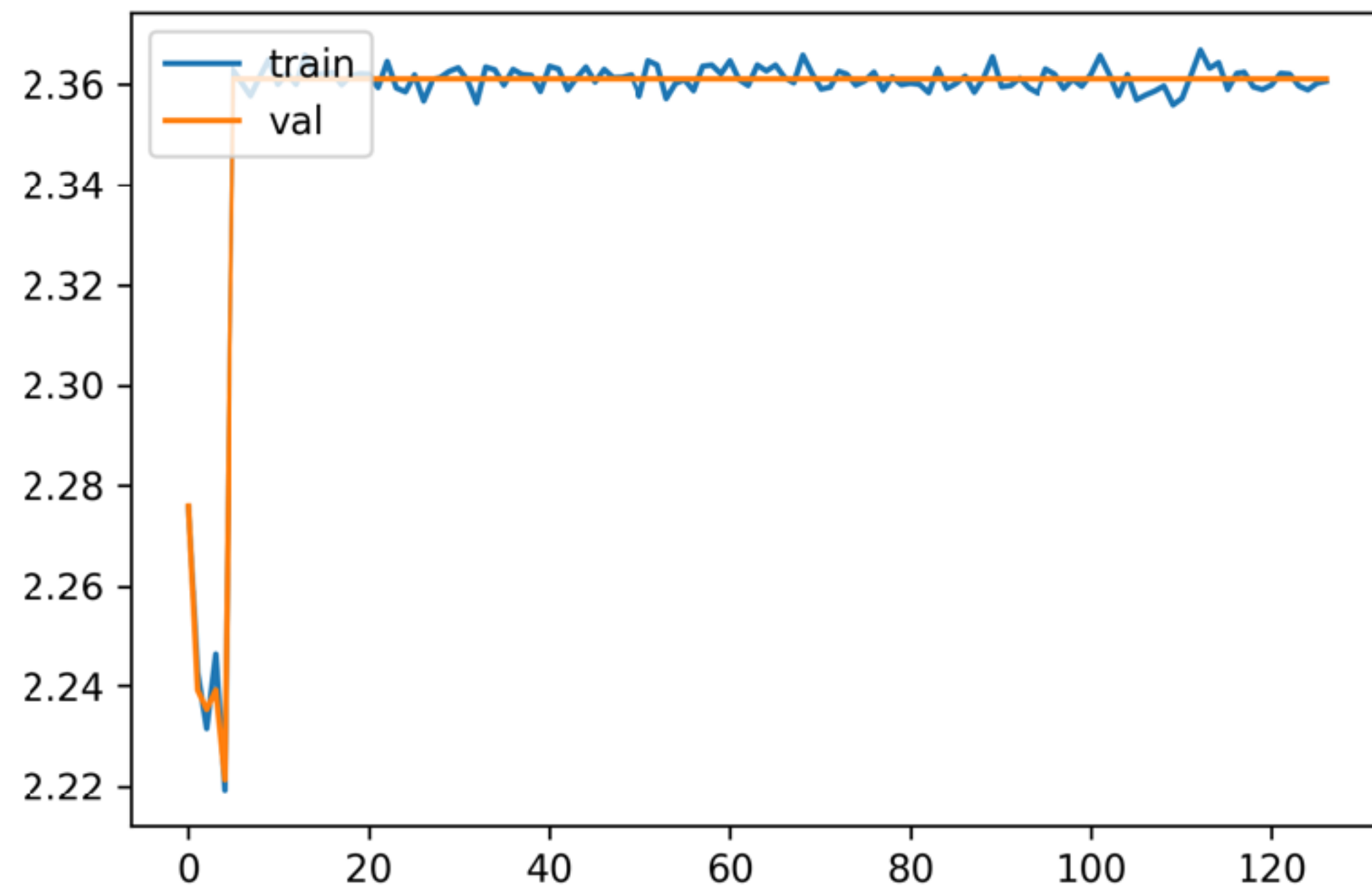
Task-at-hand

Task - 1

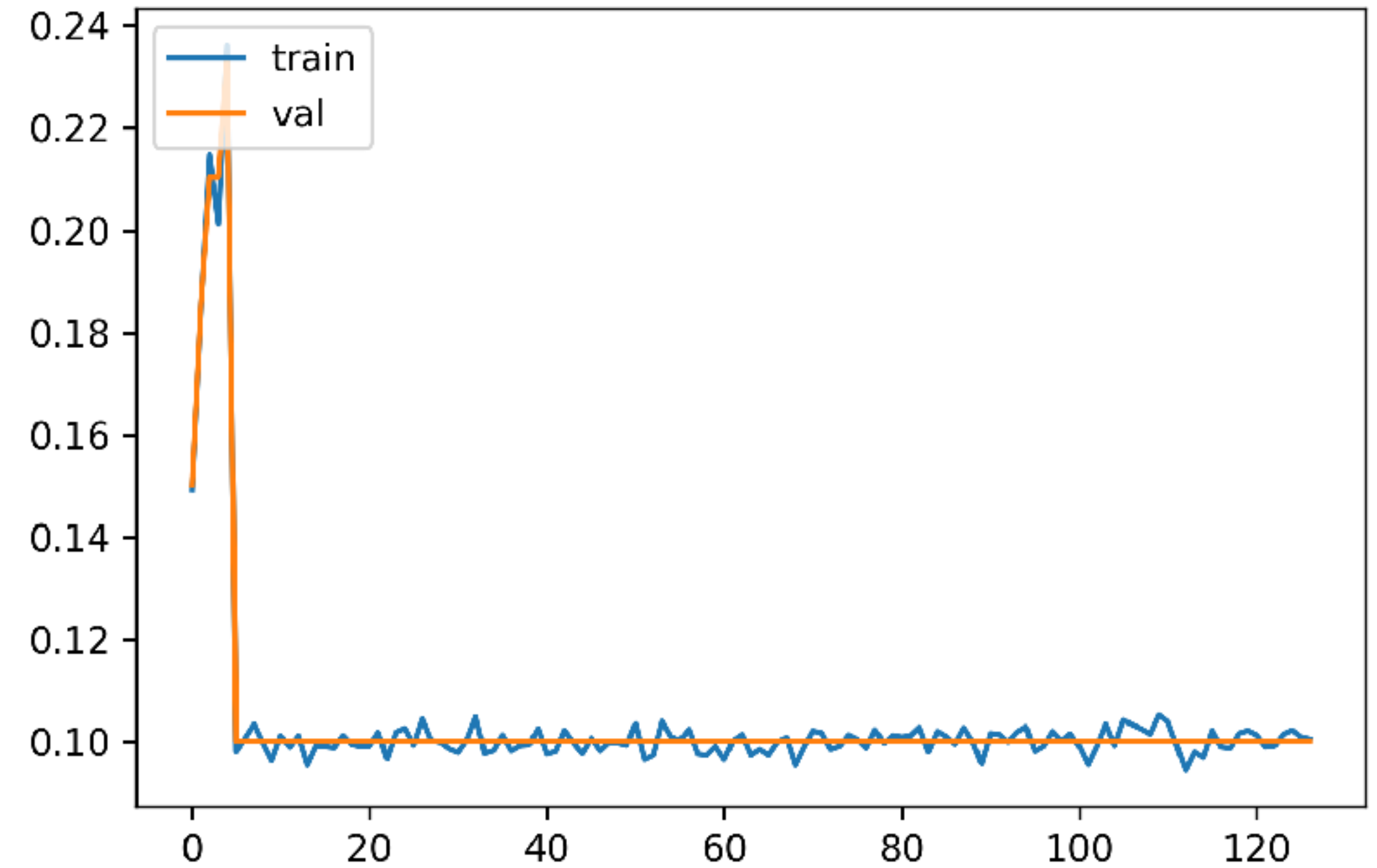
Task - 1

When I was returning softmax of logits for forward pass

LOSS



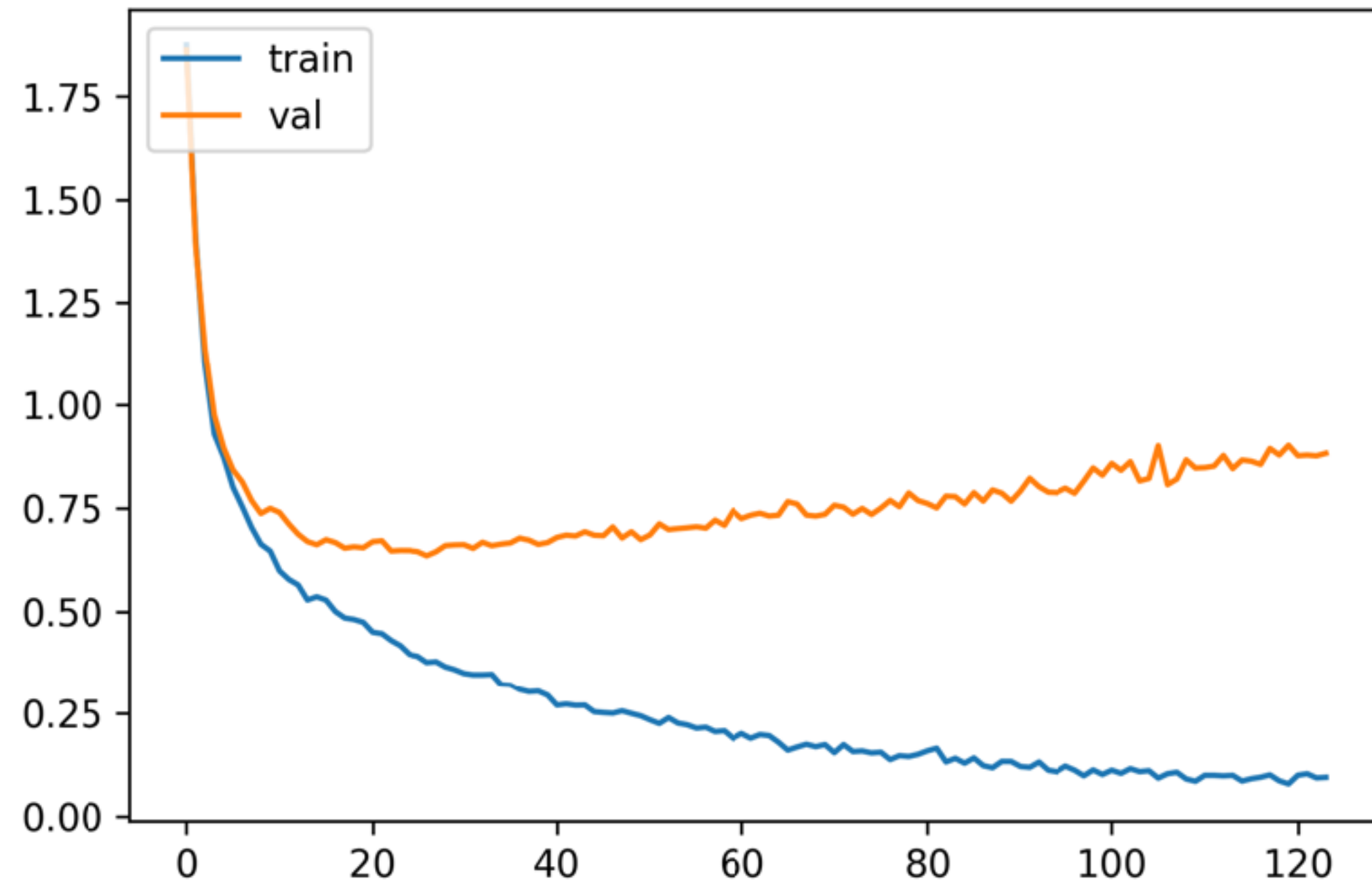
ACC



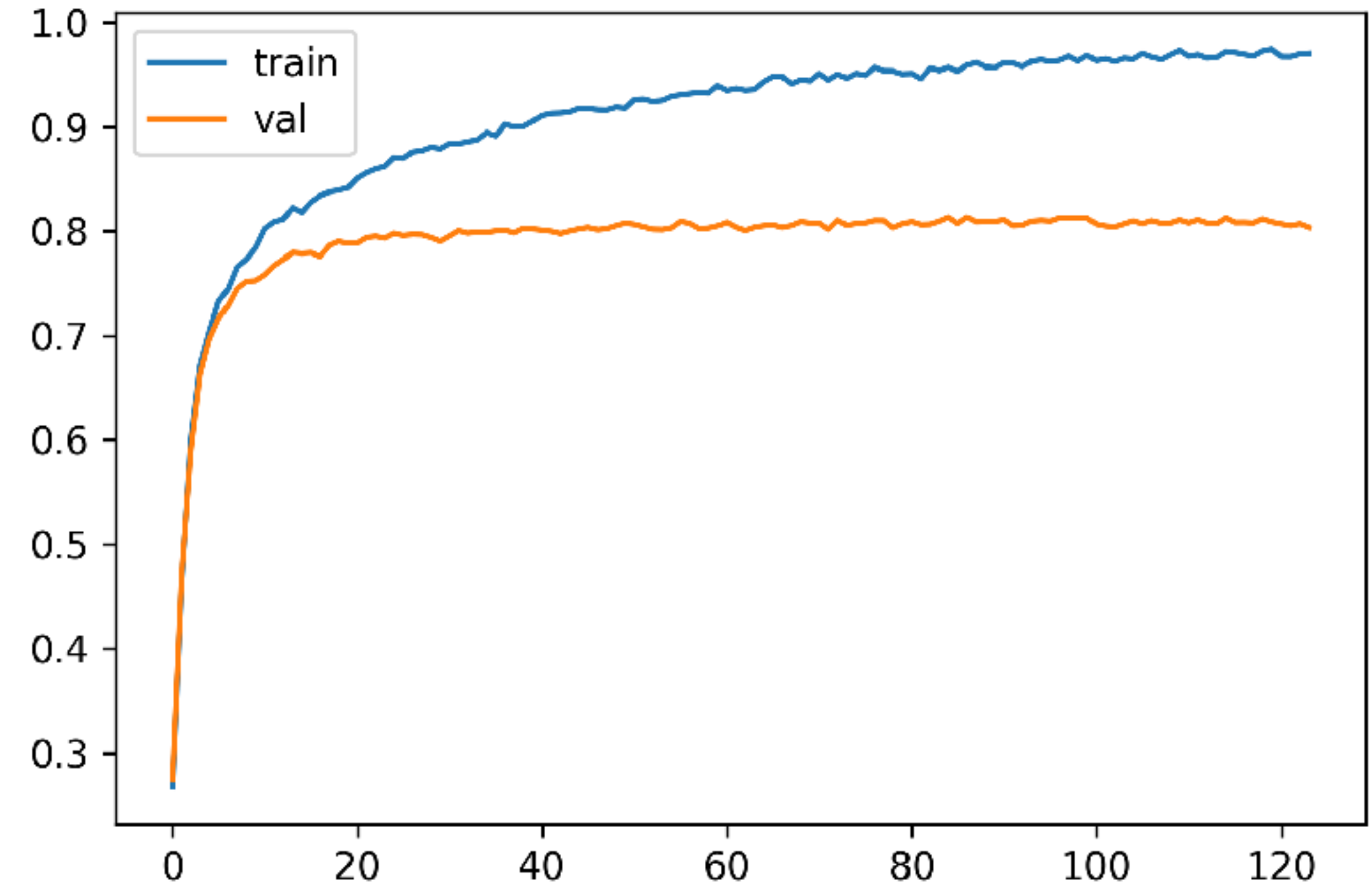
Task - 1

When I was returning logits for forward pass (no softmax)

LOSS



ACC



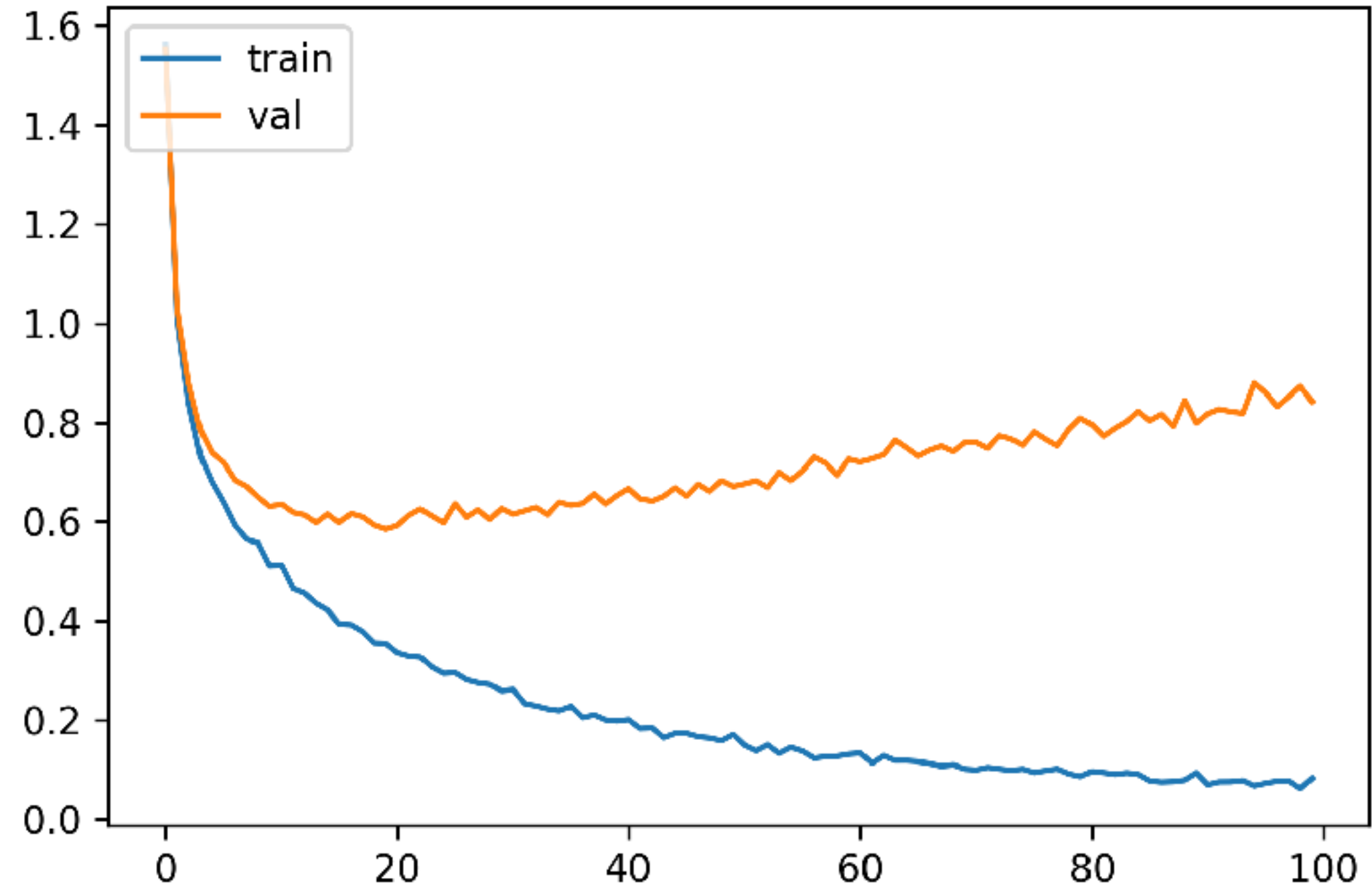
Task - 2

%age initial weights freezing

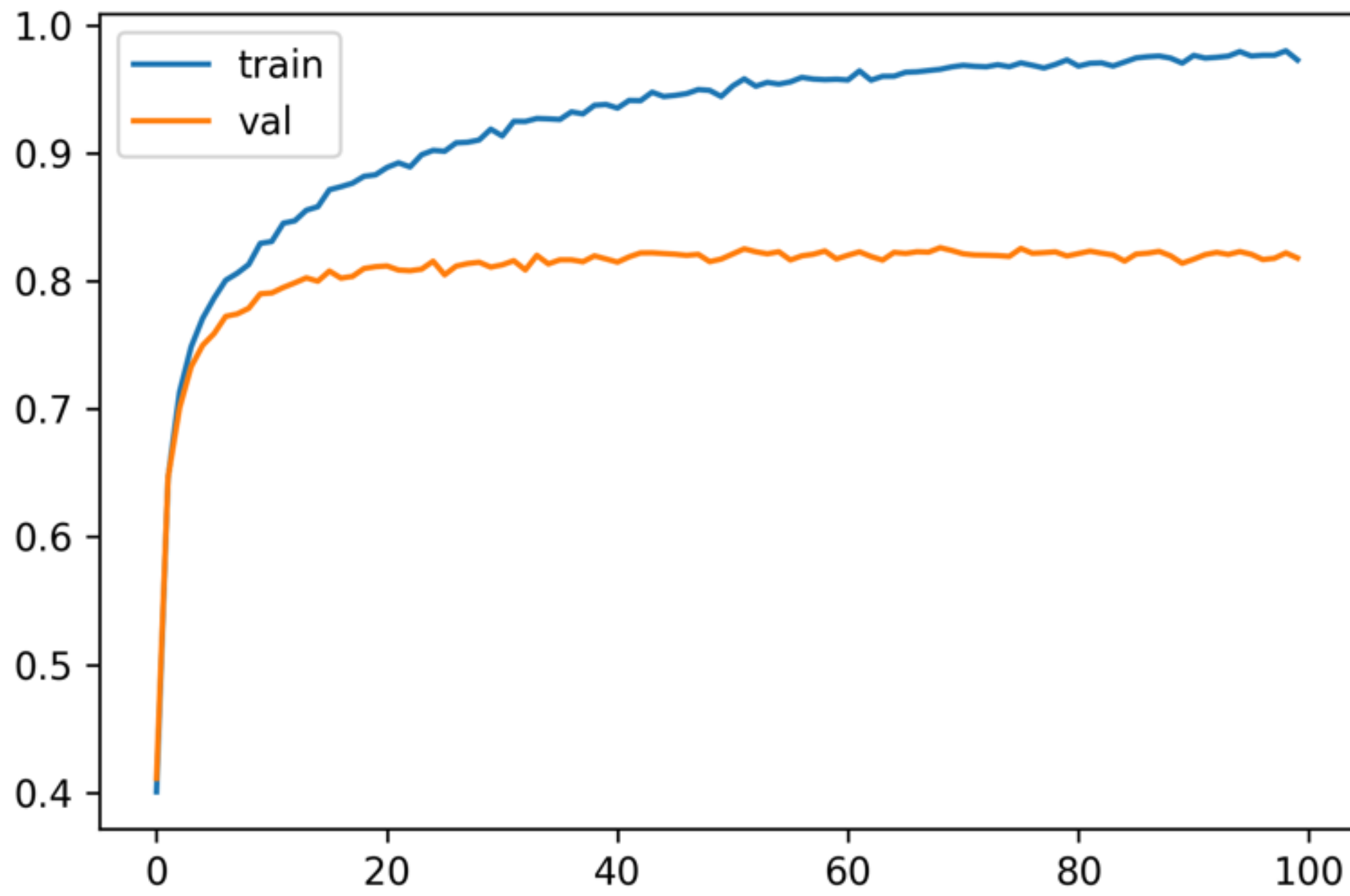
10%
BEST ACCURACY
Train: 0.98 Val: 0.83

Task - 2

LOSS



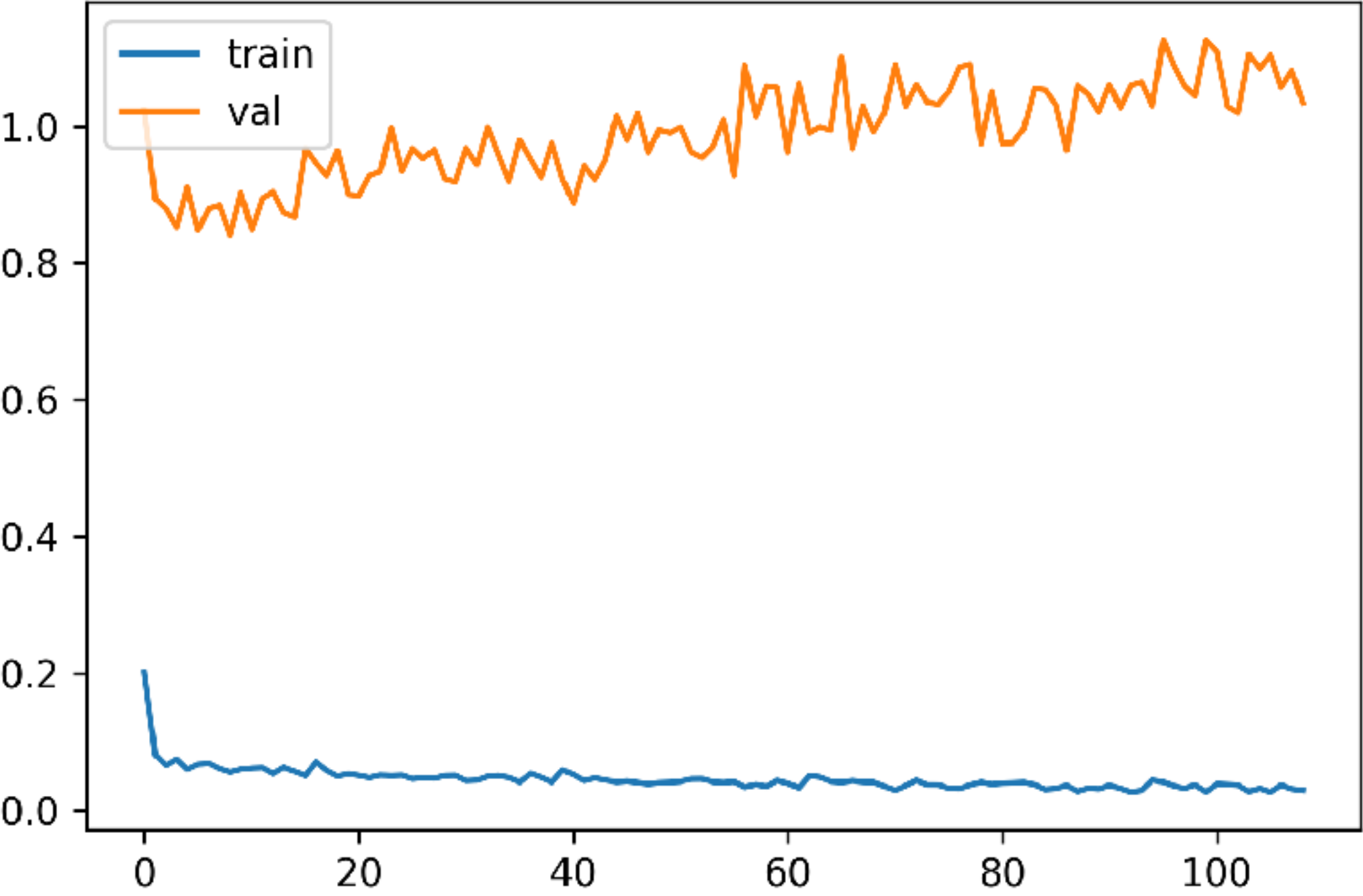
ACC



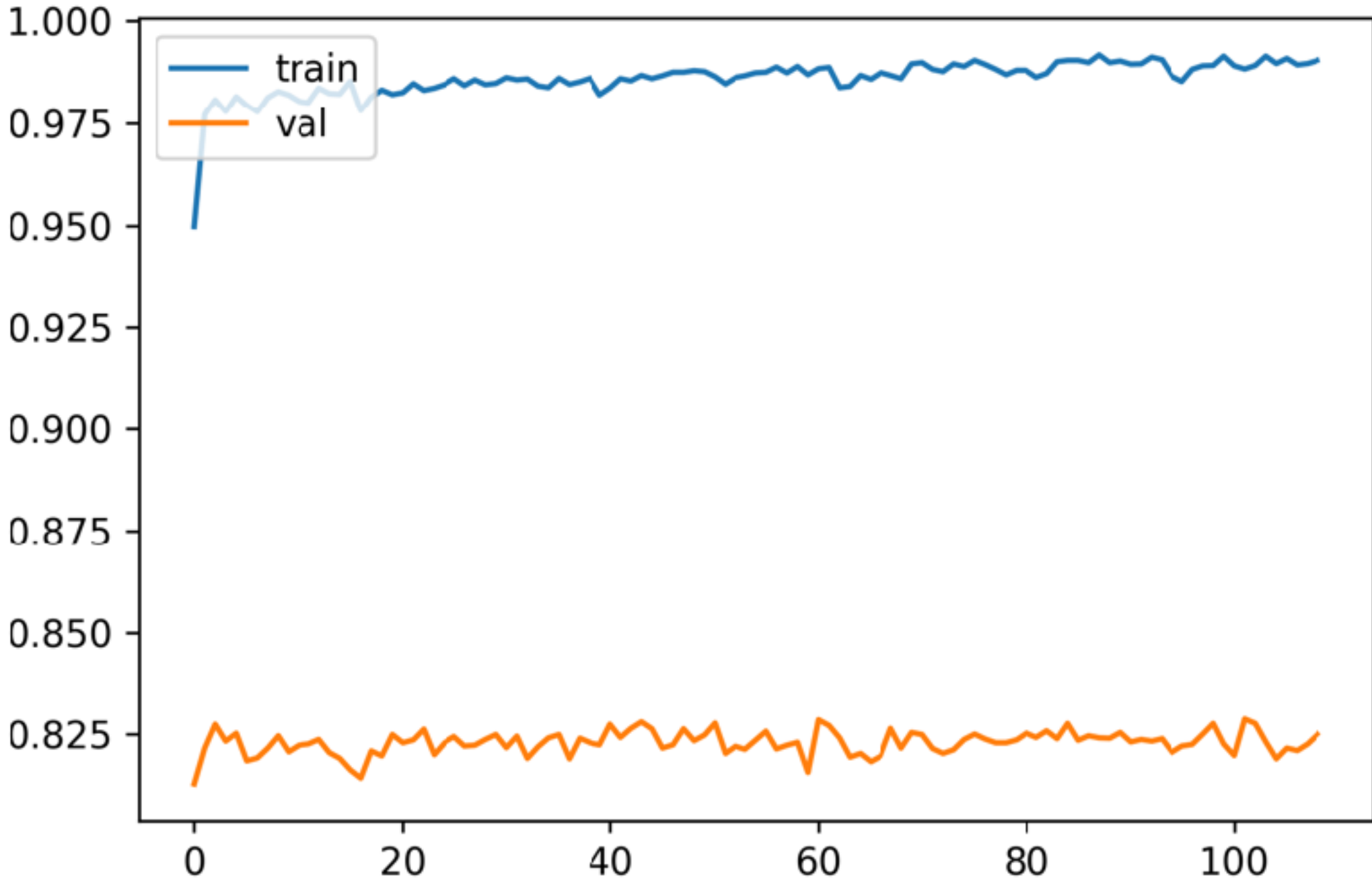
20%
BEST ACCURACY
Train: 0.99 Val: 0.83

Task - 2

LOSS



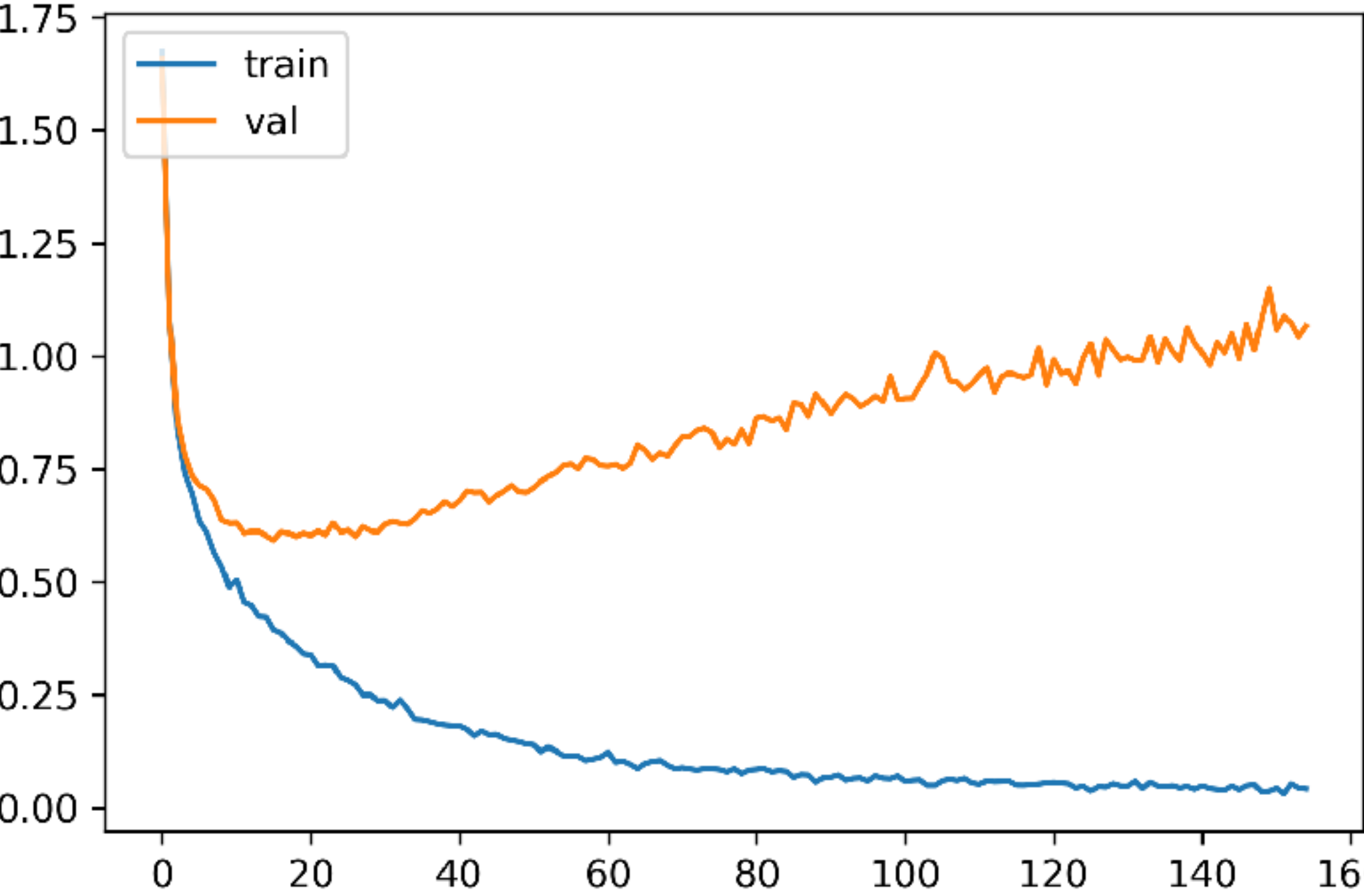
ACC



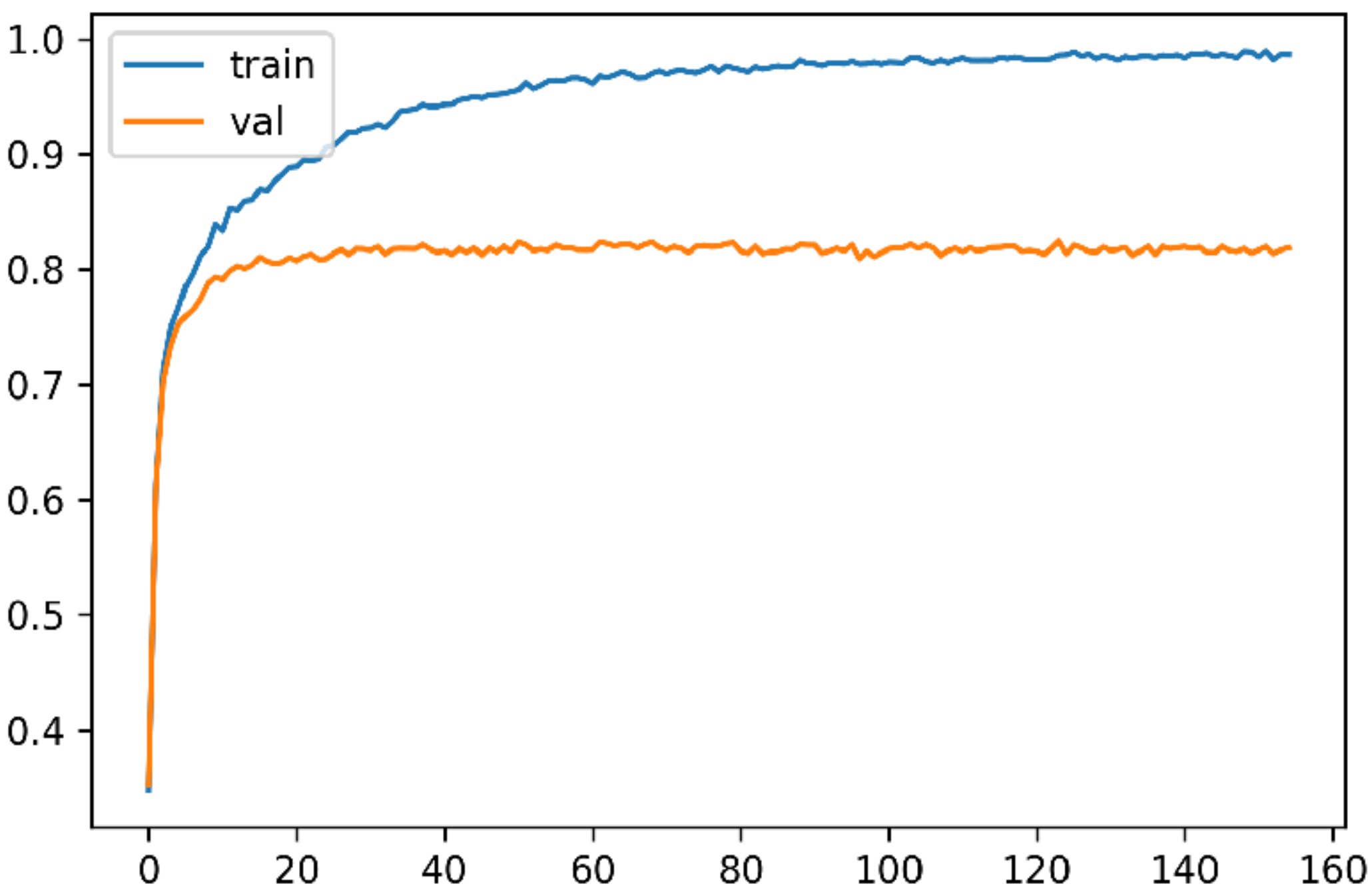
30%
BEST ACCURACY
Train: 0.99 Val: 0.83

Task - 2

LOSS



ACC



Task - 4

Pruning weights with lowest percentile - pruned weight frozen

```
2%||          | 9/600 [01:29<1:31:59, 9.34s/it]Training Loss: 0.5955 Validation Loss: 0.6864
Training Acc: 0.80 Validation Acc: 0.77
Sparsity of the network is :19.999998092651367 %
2%||          | 10/600 [01:38<1:30:27, 9.20s/it]/usr/local/lib/python3.7/dist-packages/ipykernel_launcher
/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:68: RuntimeWarning: More than 20 figures ha
3%||          | 19/600 [02:58<1:25:45, 8.86s/it]Training Loss: 0.4295 Validation Loss: 0.6201
Training Acc: 0.86 Validation Acc: 0.80
Sparsity of the network is :19.999998092651367 %
5%||          | 29/600 [04:27<1:24:28, 8.88s/it]Training Loss: 0.3370 Validation Loss: 0.6186
Training Acc: 0.89 Validation Acc: 0.81
Sparsity of the network is :19.999998092651367 %
6%||          | 39/600 [05:55<1:22:08, 8.79s/it]Training Loss: 0.2620 Validation Loss: 0.6525
Training Acc: 0.91 Validation Acc: 0.81
Sparsity of the network is :19.999998092651367 %
7%||          | 40/600 [06:04<1:22:07, 8.80s/it]
```

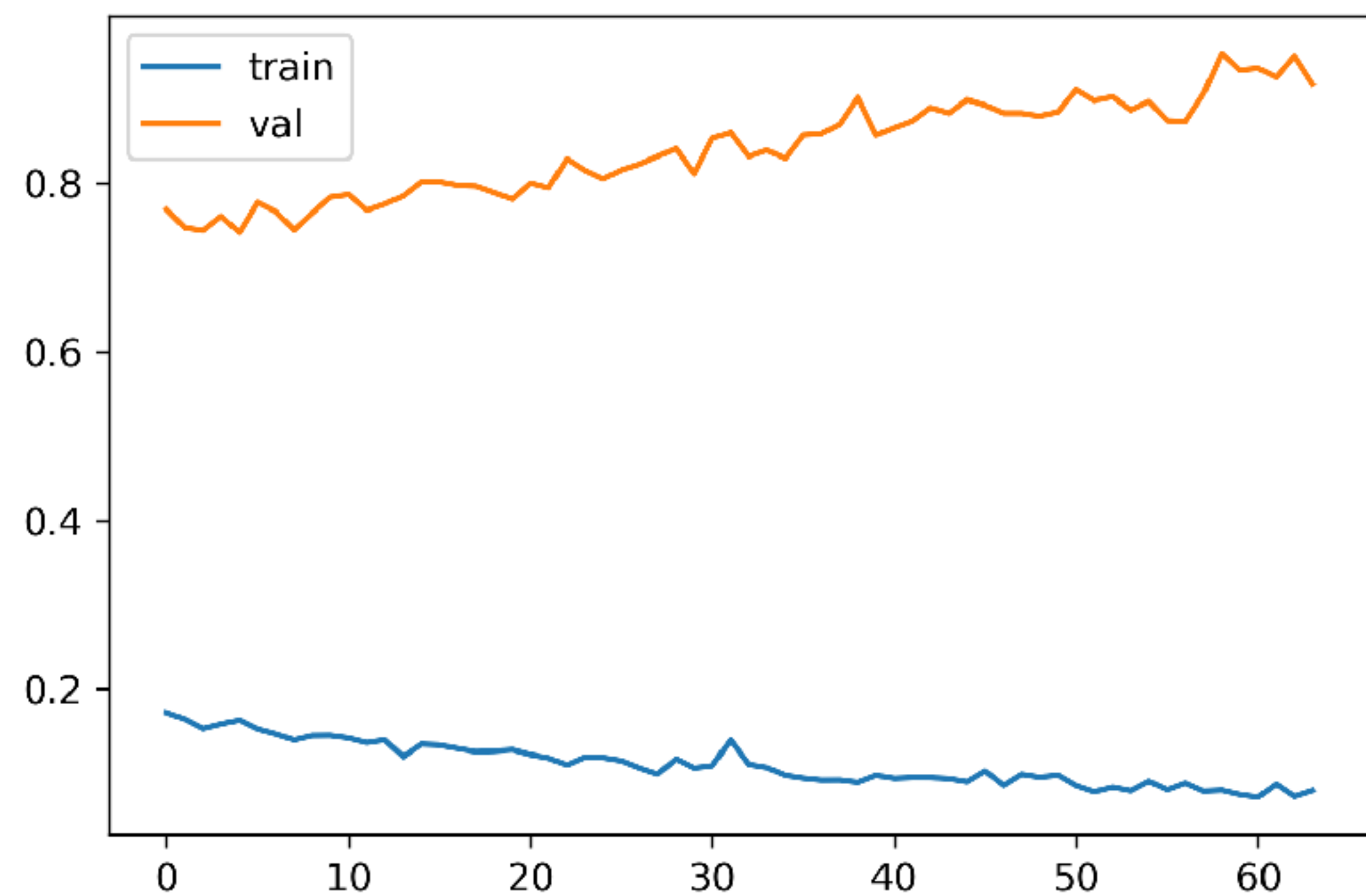
Task - 4

Pruned the fine tuned model

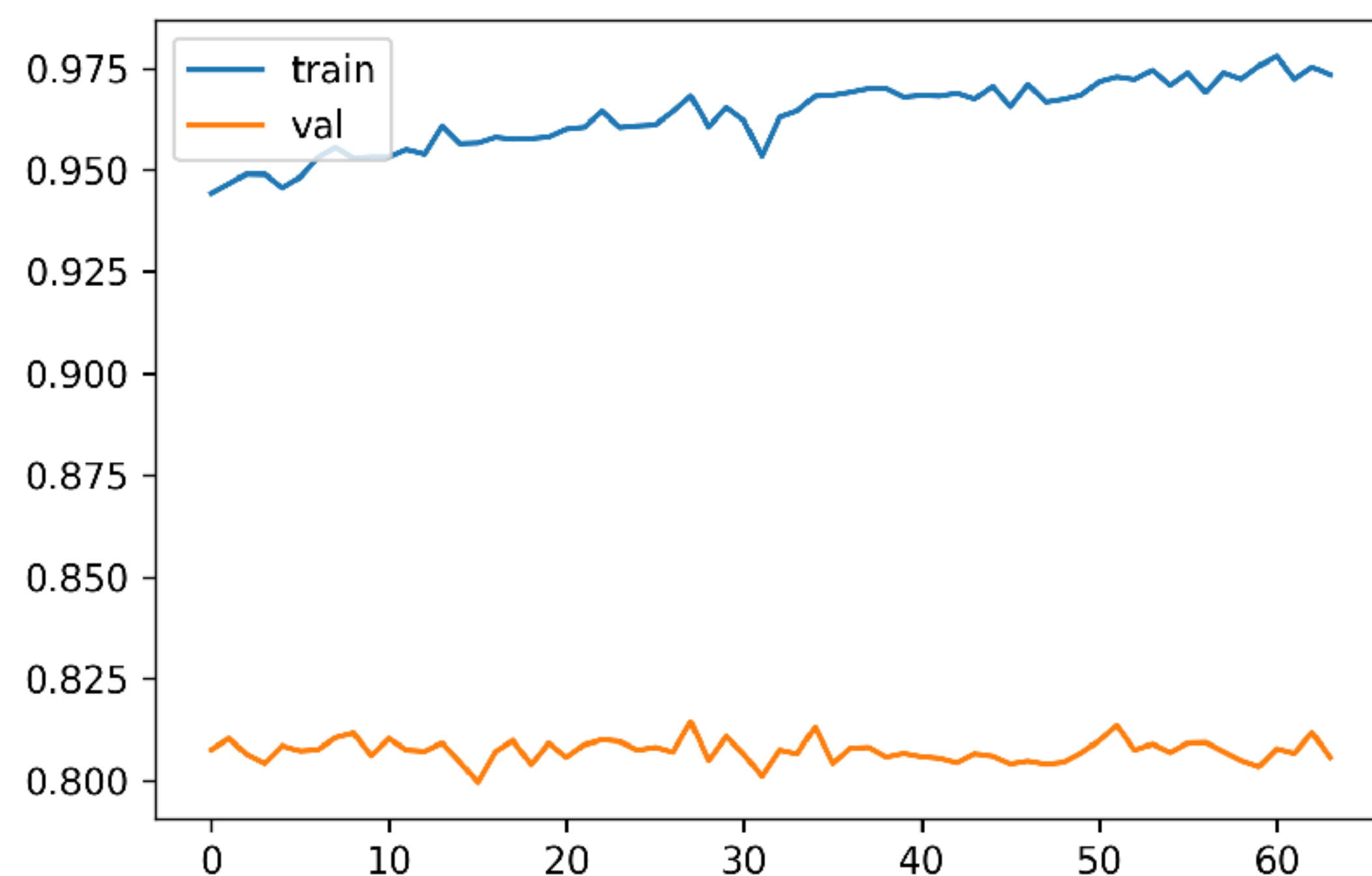
10%

Task - 4

LOSS



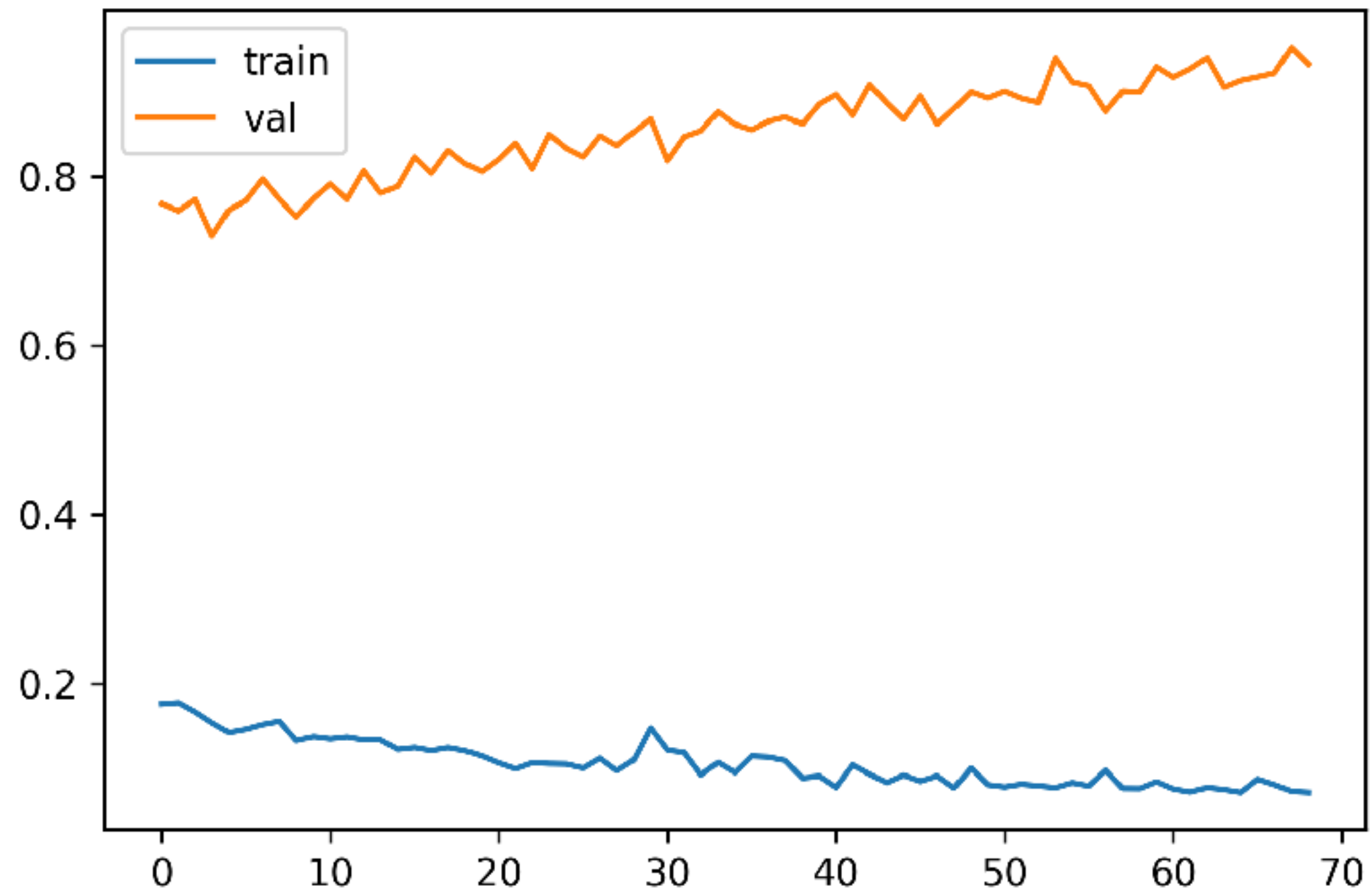
ACC



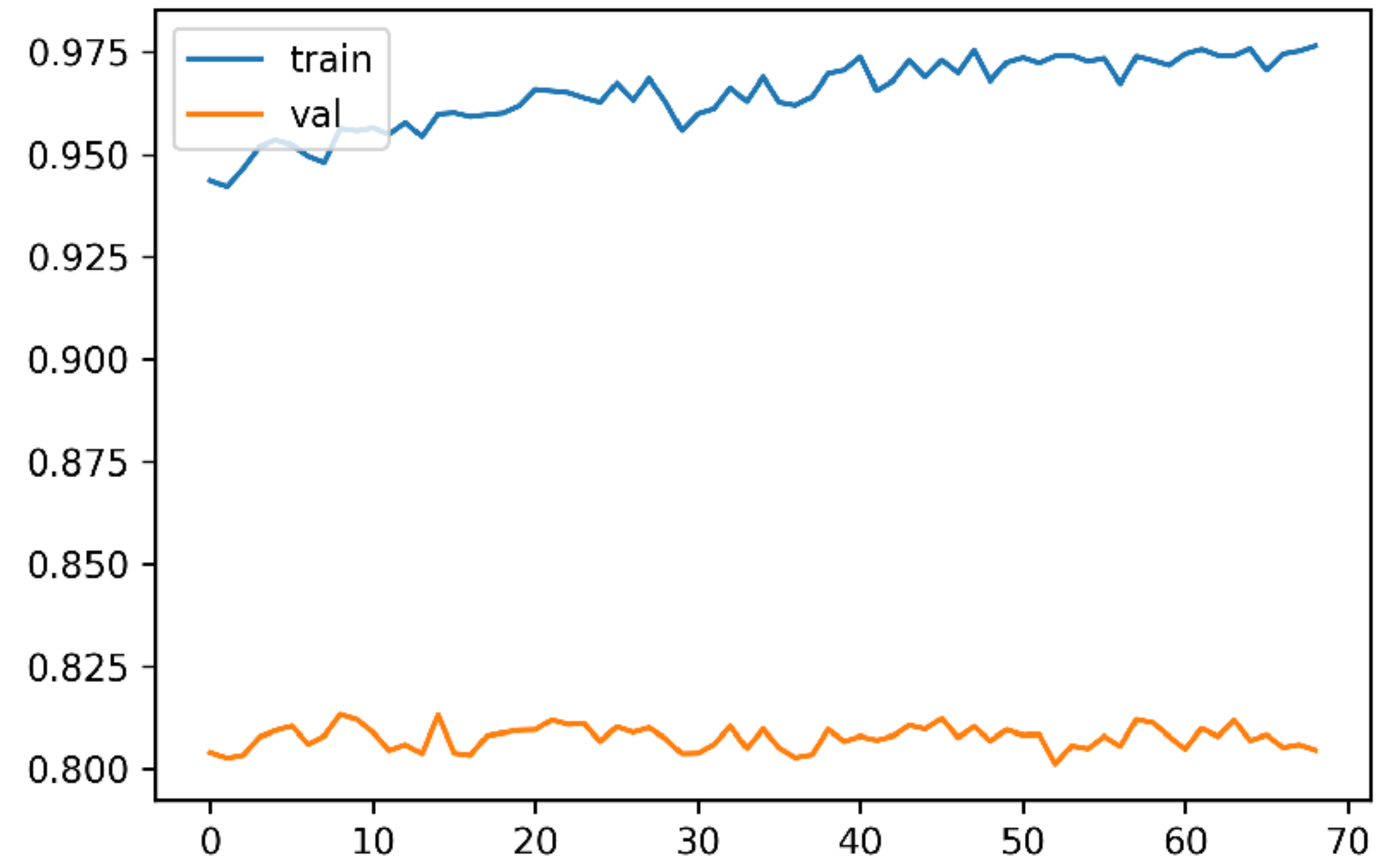
20%

Task - 4

LOSS



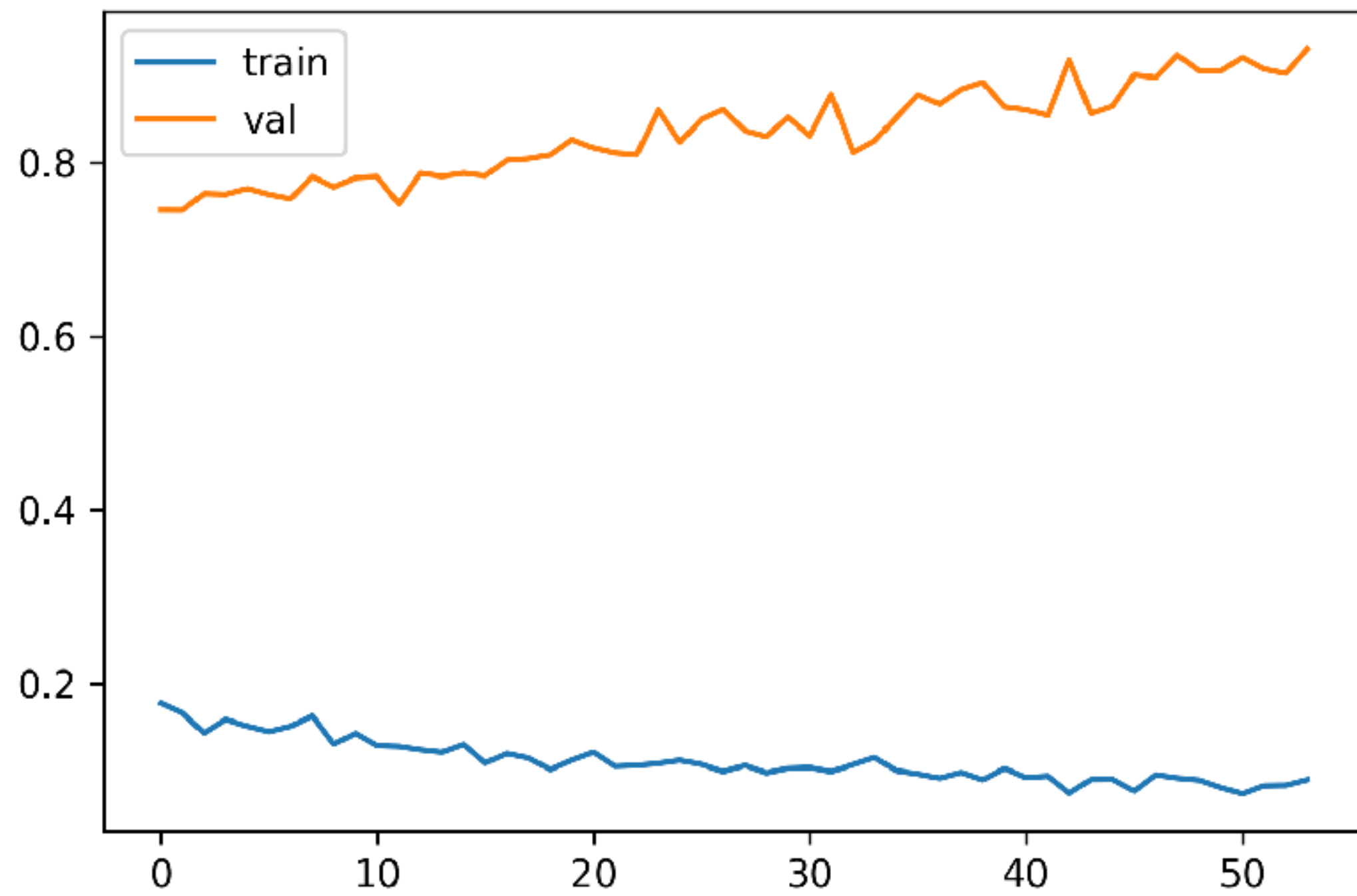
ACC



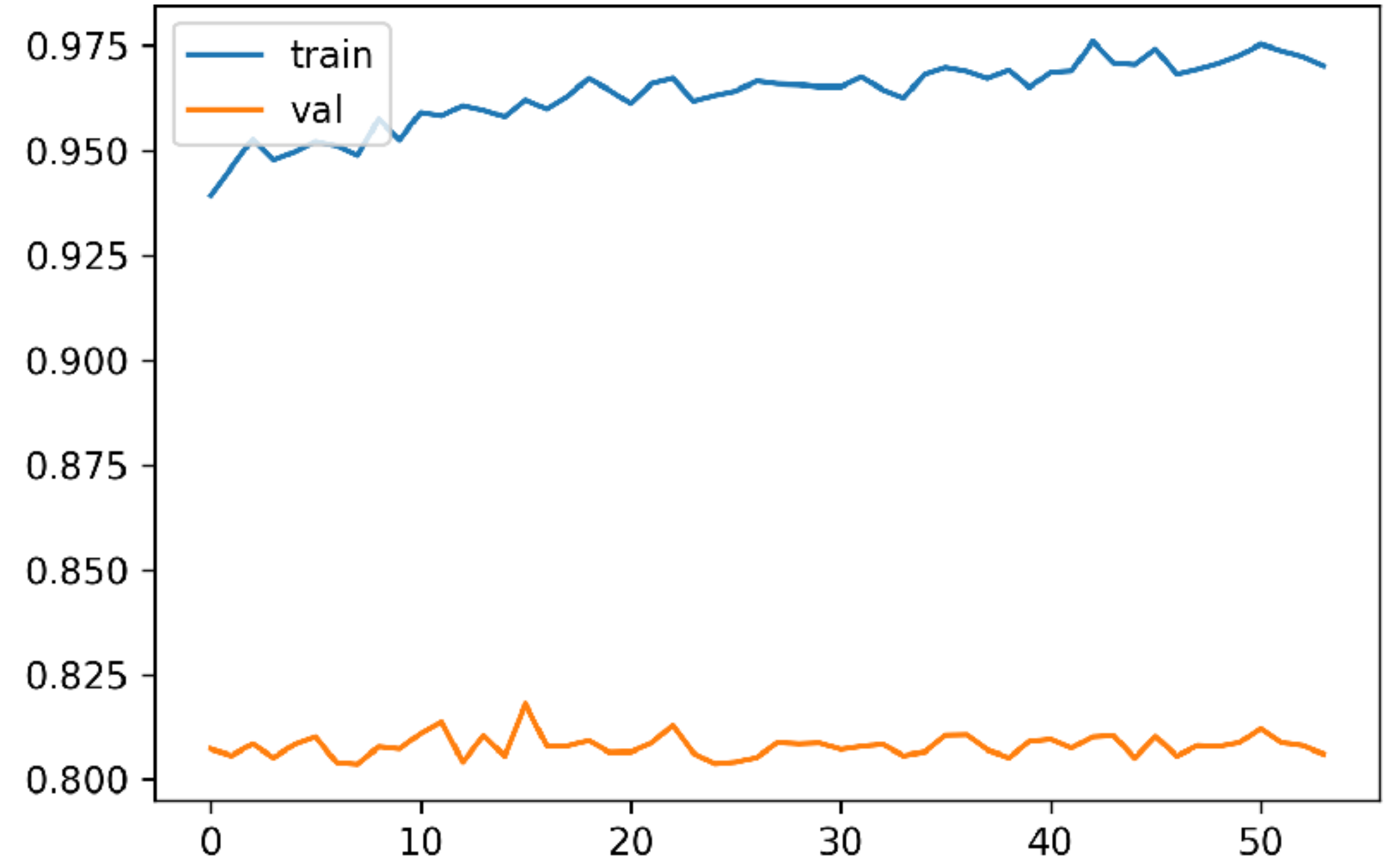
30%

Task - 4

LOSS



ACC



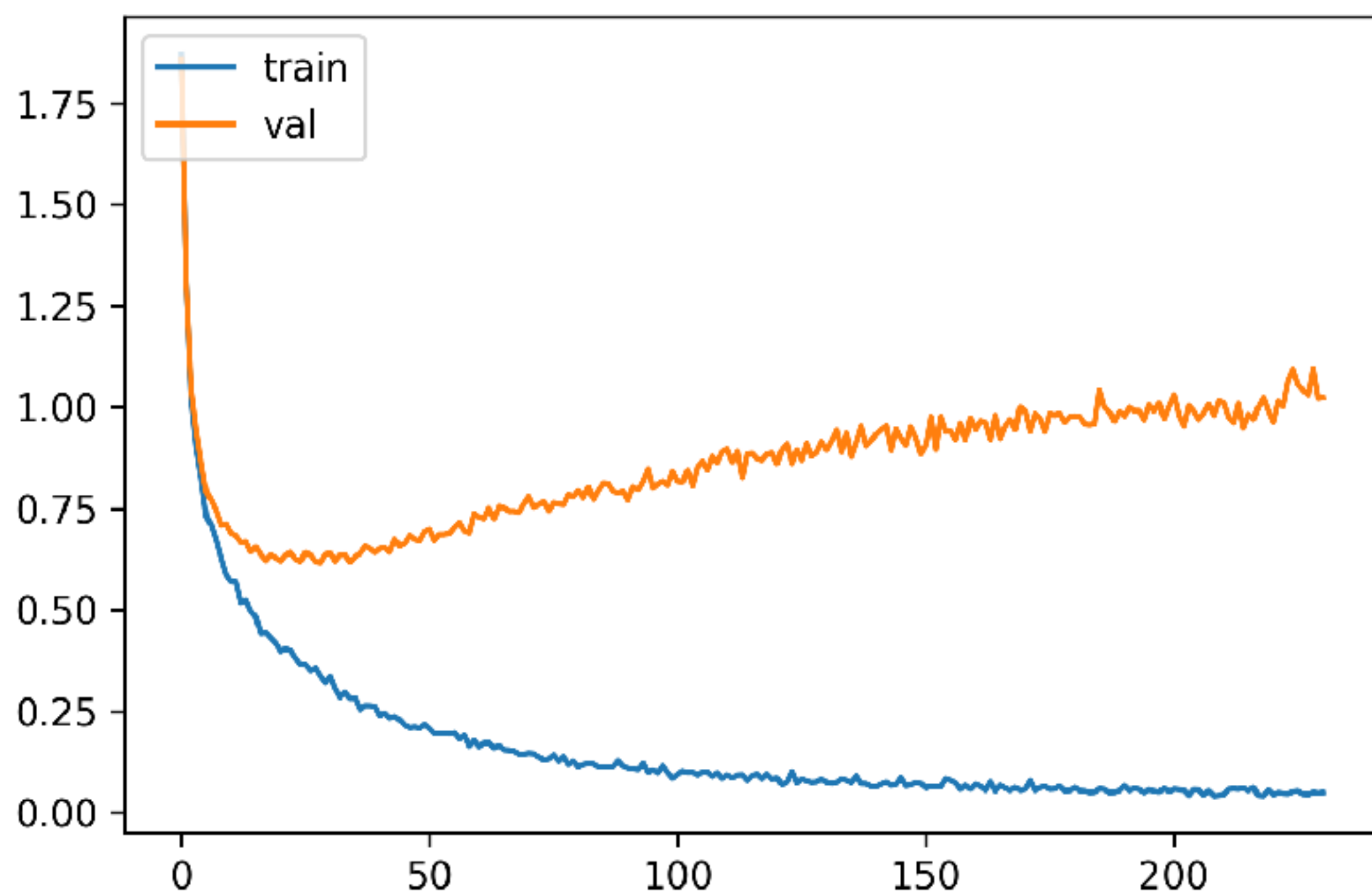
Task - 4

Pruned the pre-trained model

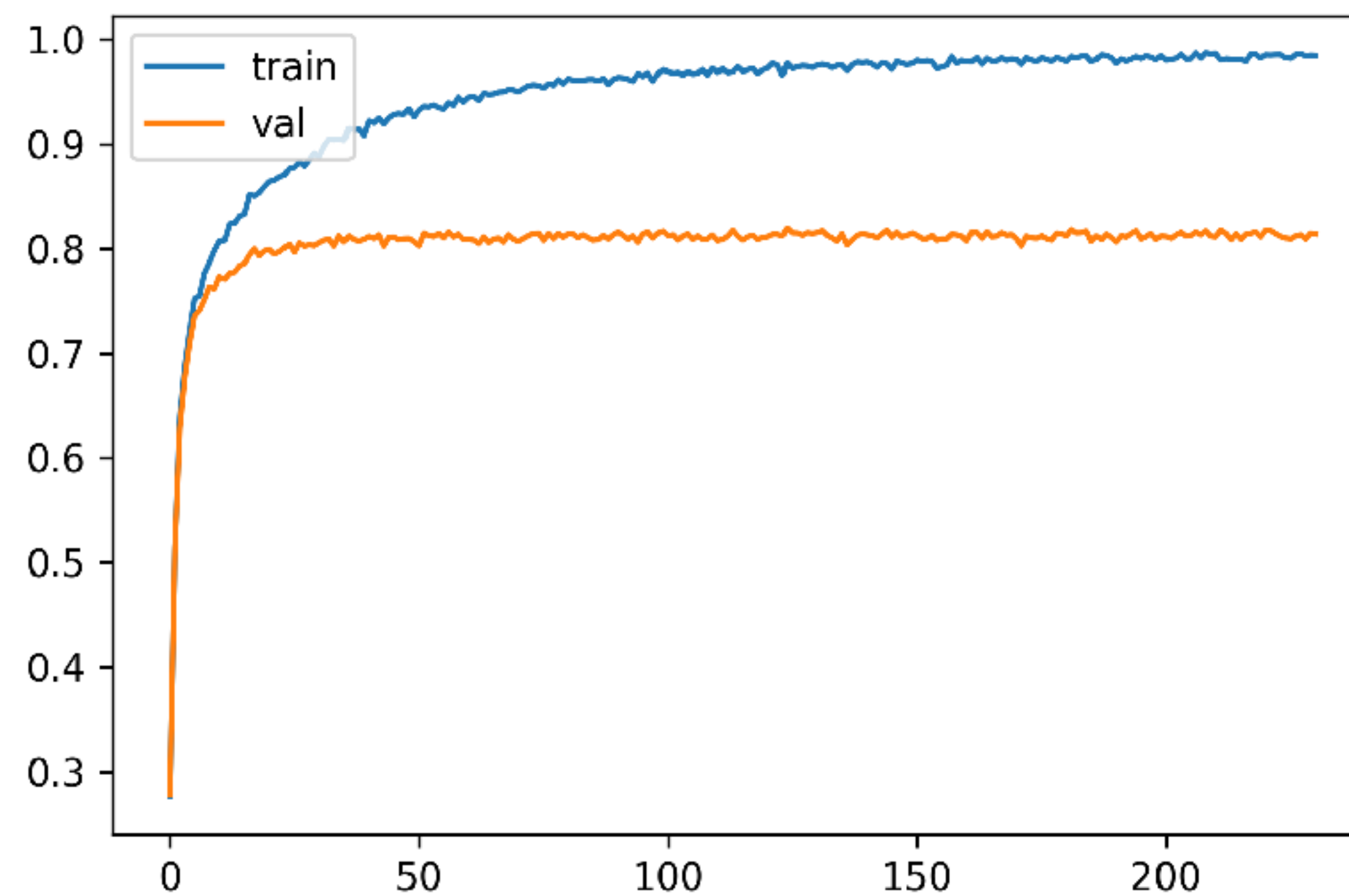
10%

Task - 4

LOSS



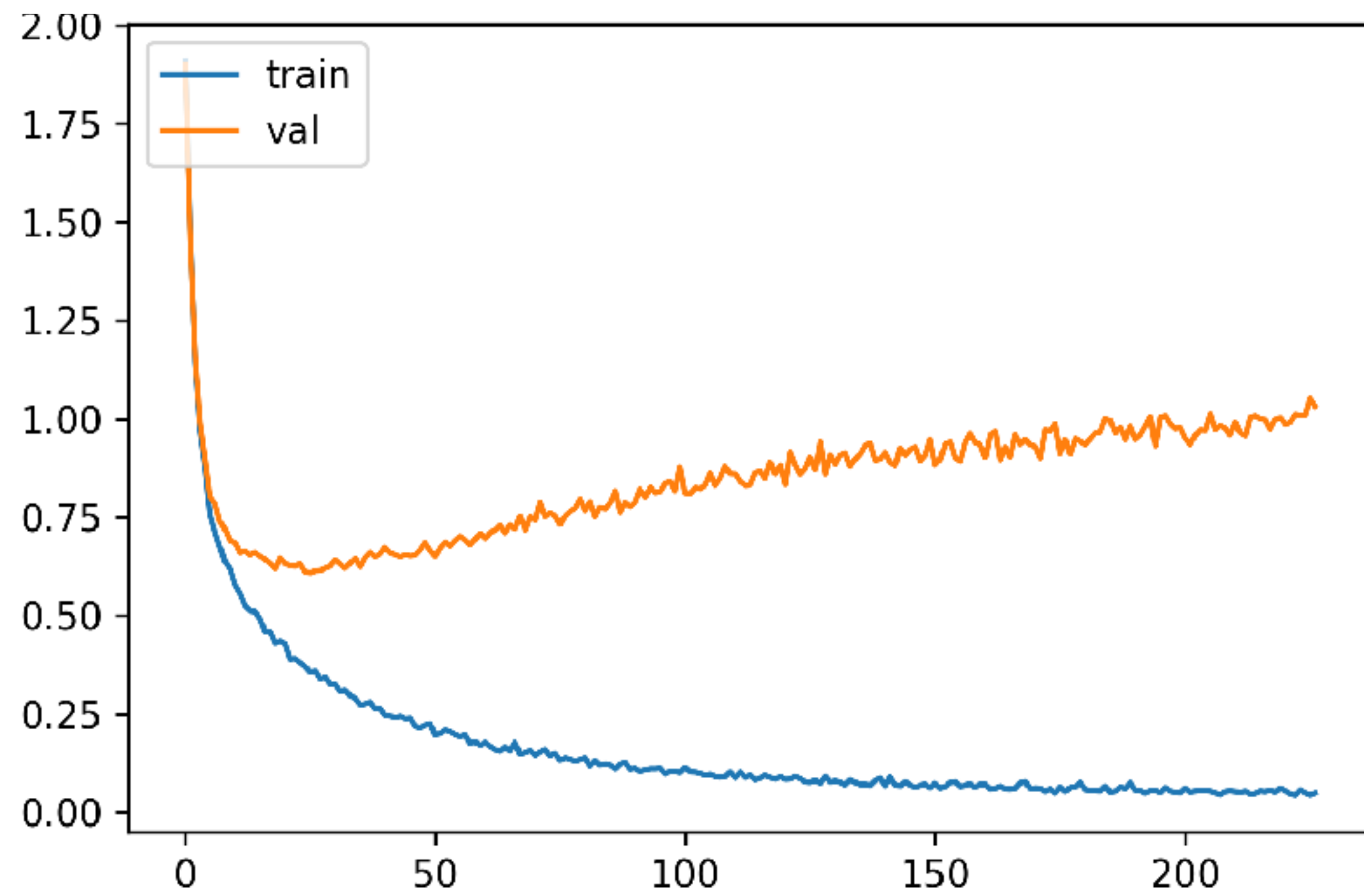
ACC



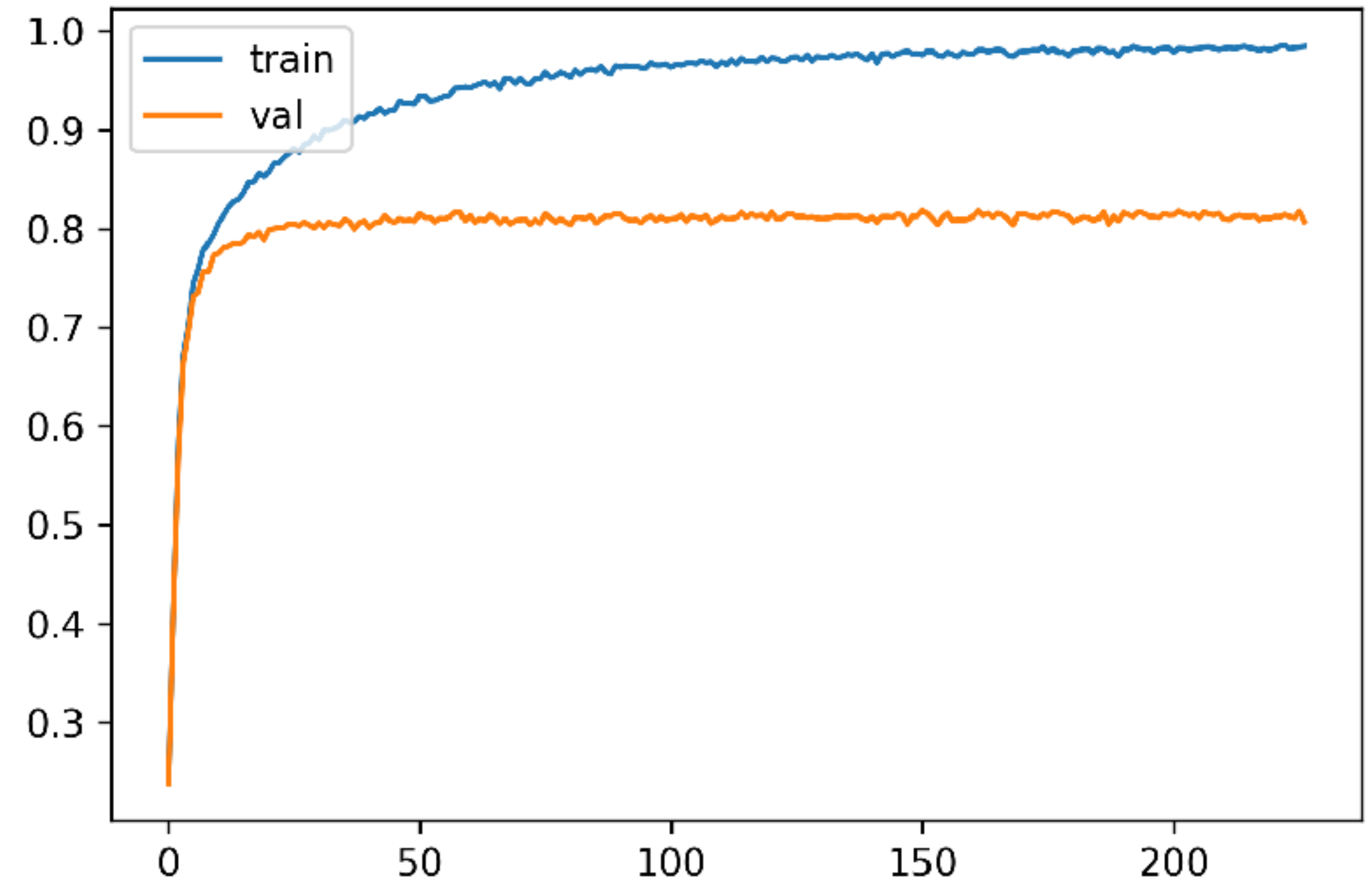
20%

Task - 4

LOSS



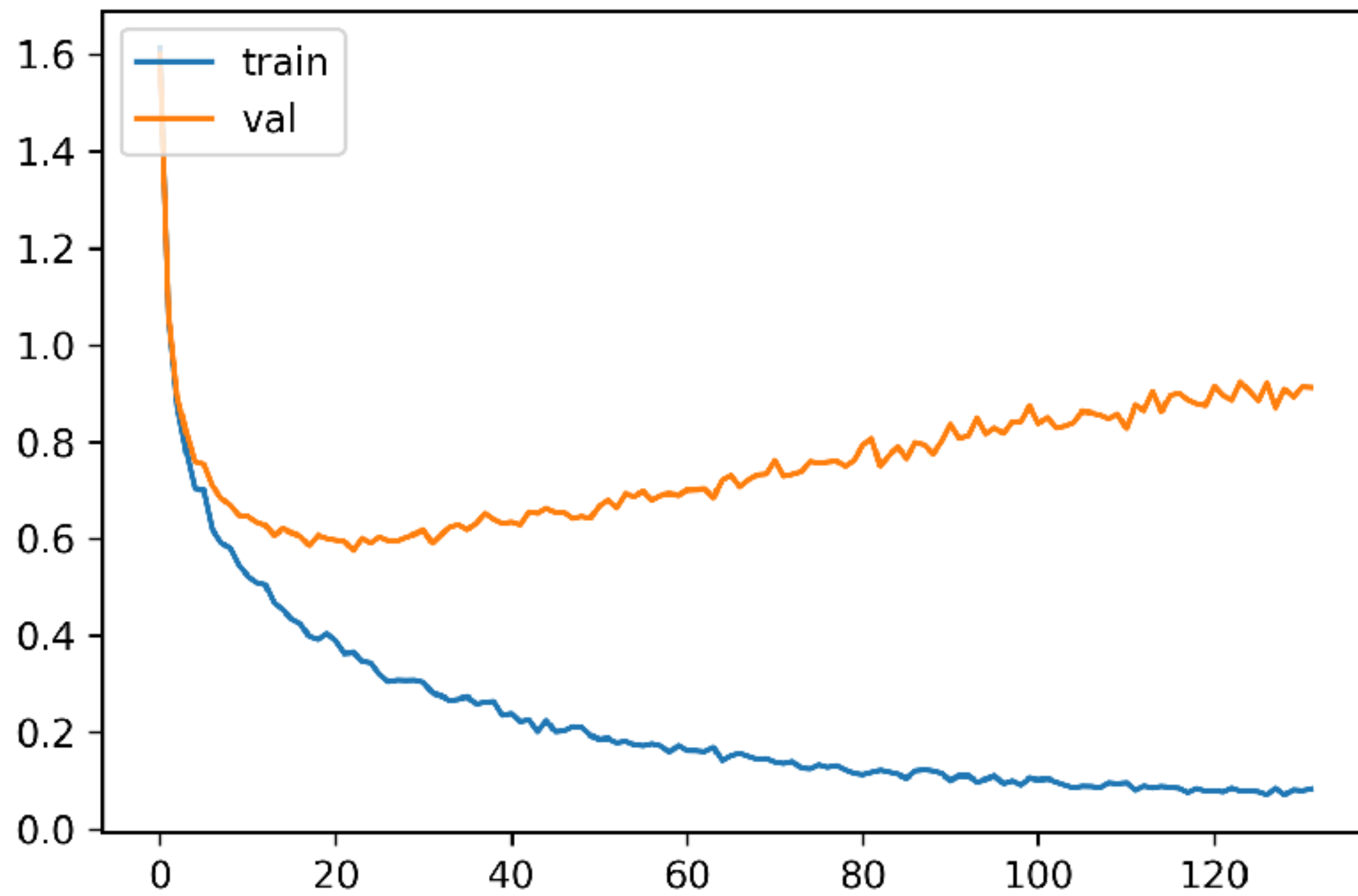
ACC



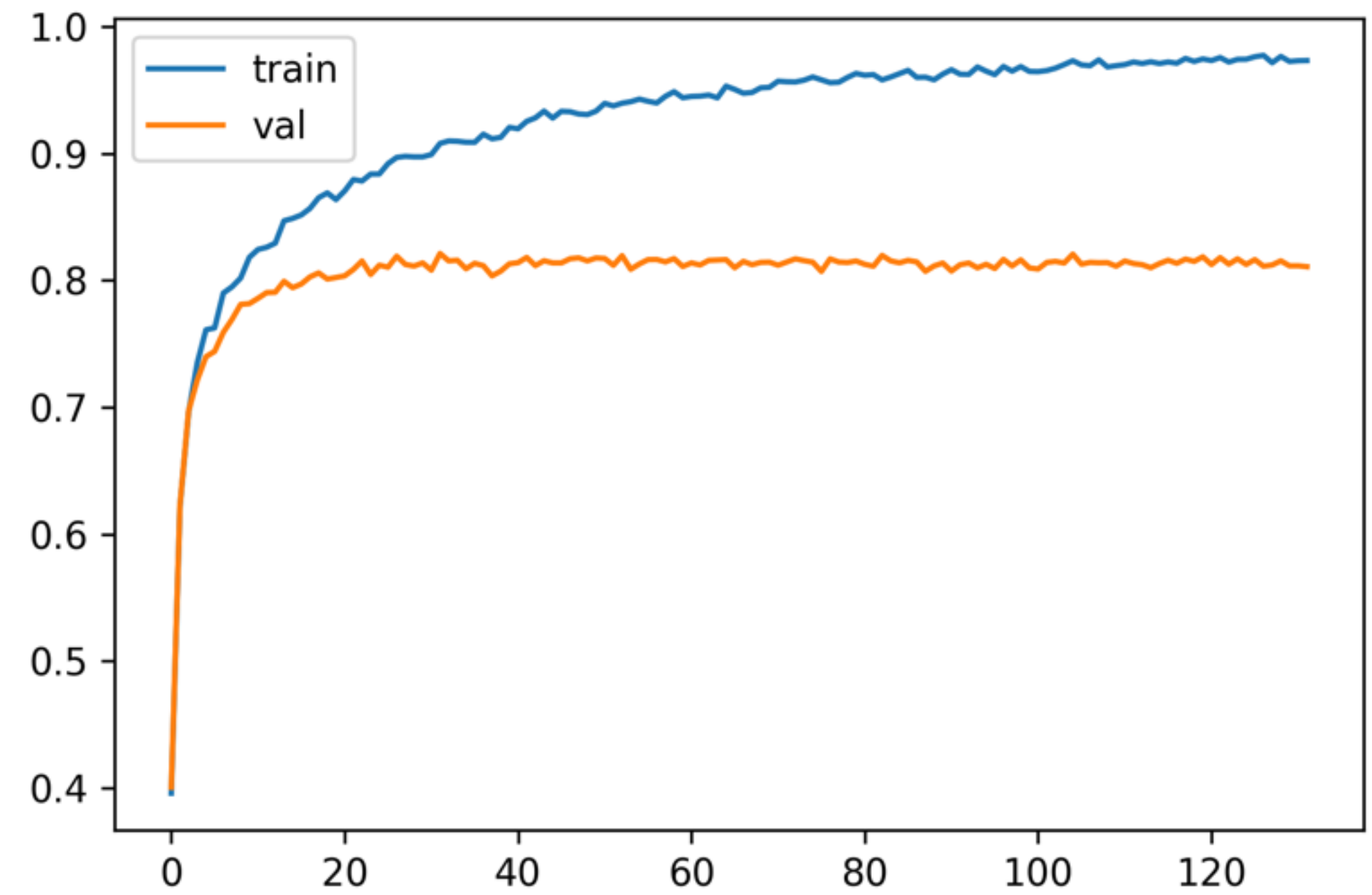
30%

Task - 4

LOSS



ACC



Task - 5

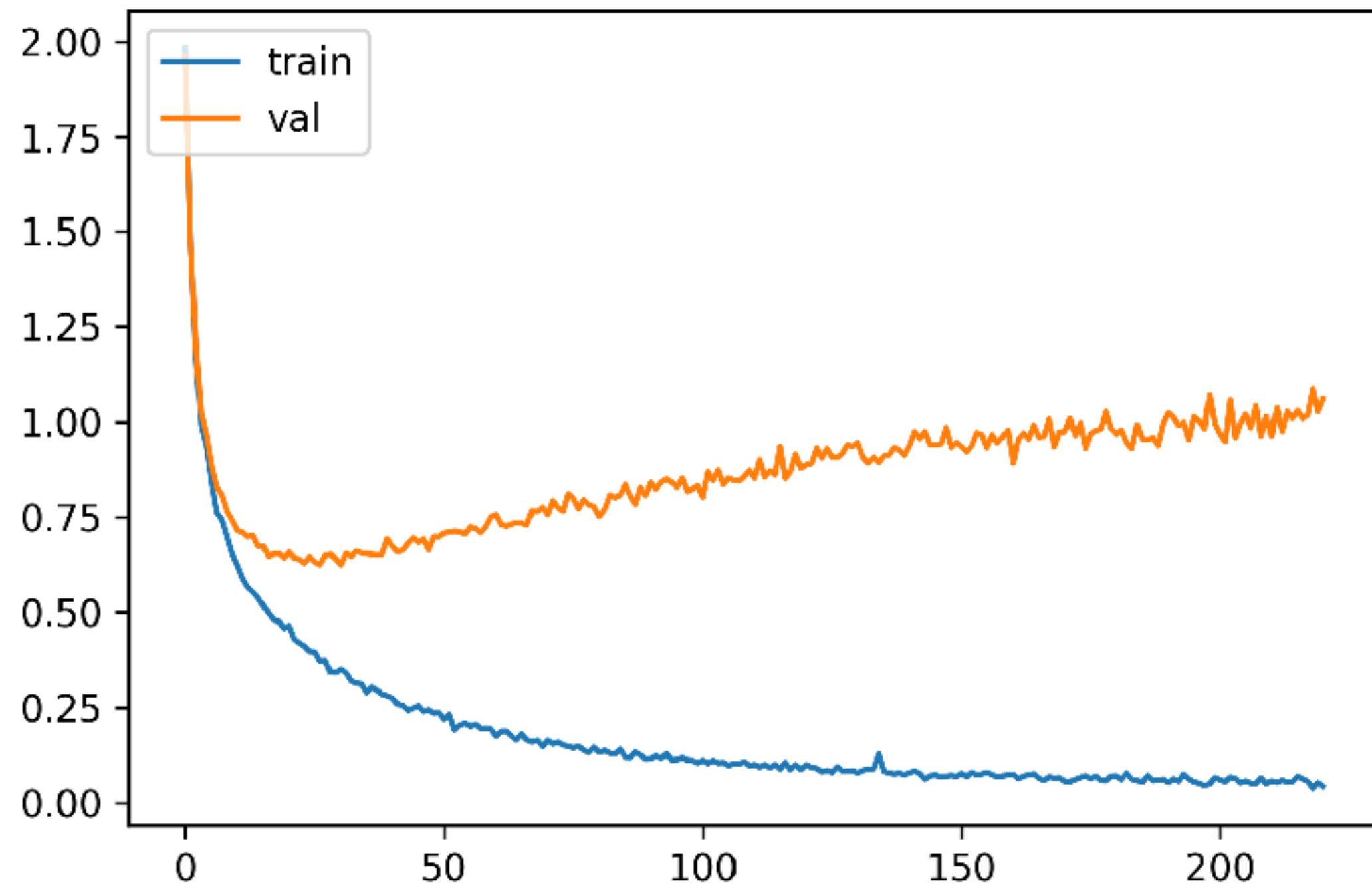
Pruning weights with lowest percentile - pruned weight frozen

```
2%||          | 9/600 [01:23<1:26:46, 8.81s/it]Training Loss: 0.6531 Validation Loss: 0.7418
Training Acc: 0.78 Validation Acc: 0.74
Sparsity of the network is :6.866907119750977 %
2%||          | 10/600 [01:32<1:26:22, 8.78s/it]/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:63: Runt
/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:70: RuntimeWarning: More than 20 figures have been opened.
3%||          | 19/600 [02:51<1:24:30, 8.73s/it]Training Loss: 0.4575 Validation Loss: 0.6436
Training Acc: 0.85 Validation Acc: 0.79
Sparsity of the network is :6.865542888641357 %
5%||          | 29/600 [04:17<1:20:39, 8.47s/it]Training Loss: 0.3412 Validation Loss: 0.6405
Training Acc: 0.89 Validation Acc: 0.80
Sparsity of the network is :6.864741325378418 %
6%||          | 39/600 [05:45<1:20:22, 8.60s/it]Training Loss: 0.2808 Validation Loss: 0.6936
Training Acc: 0.91 Validation Acc: 0.81
Sparsity of the network is :6.864179611206055 %
8%||          | 49/600 [07:11<1:18:14, 8.52s/it]Training Loss: 0.2358 Validation Loss: 0.6984
Training Acc: 0.92 Validation Acc: 0.81
Sparsity of the network is :6.863716125488281 %
8%||          | 51/600 [07:28<1:18:21, 8.56s/it]
```

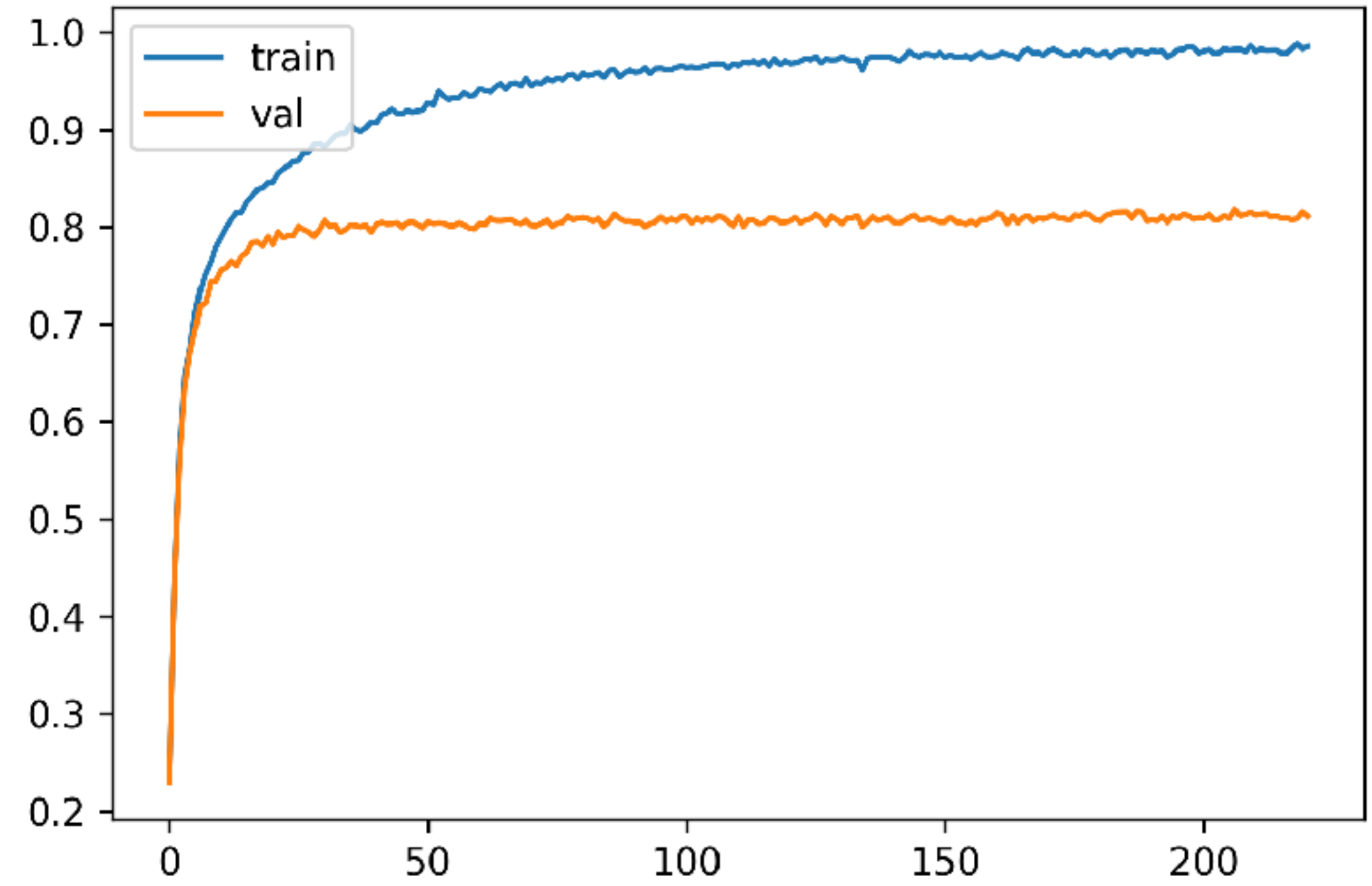
10%

Task - 5

LOSS



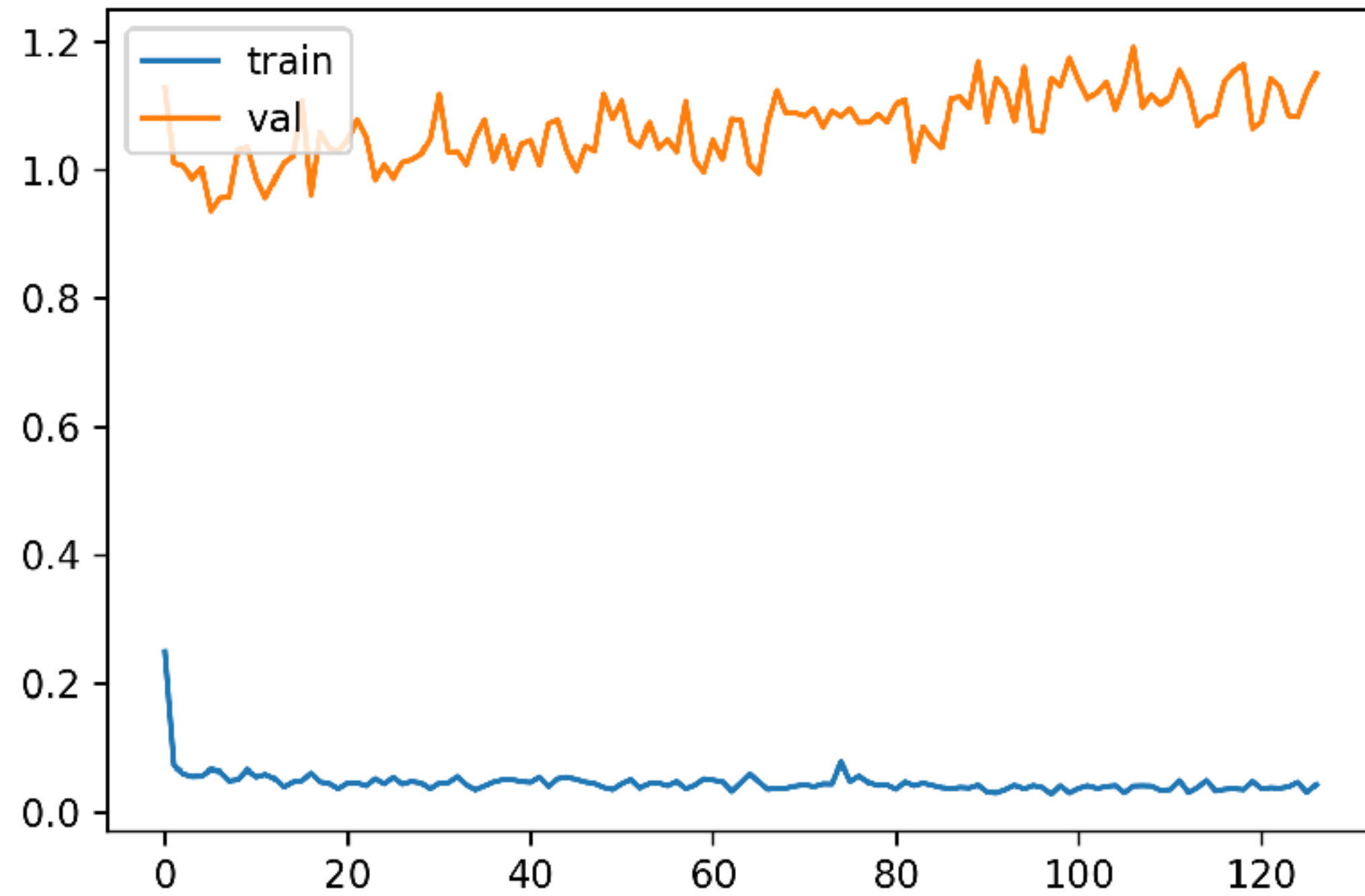
ACC



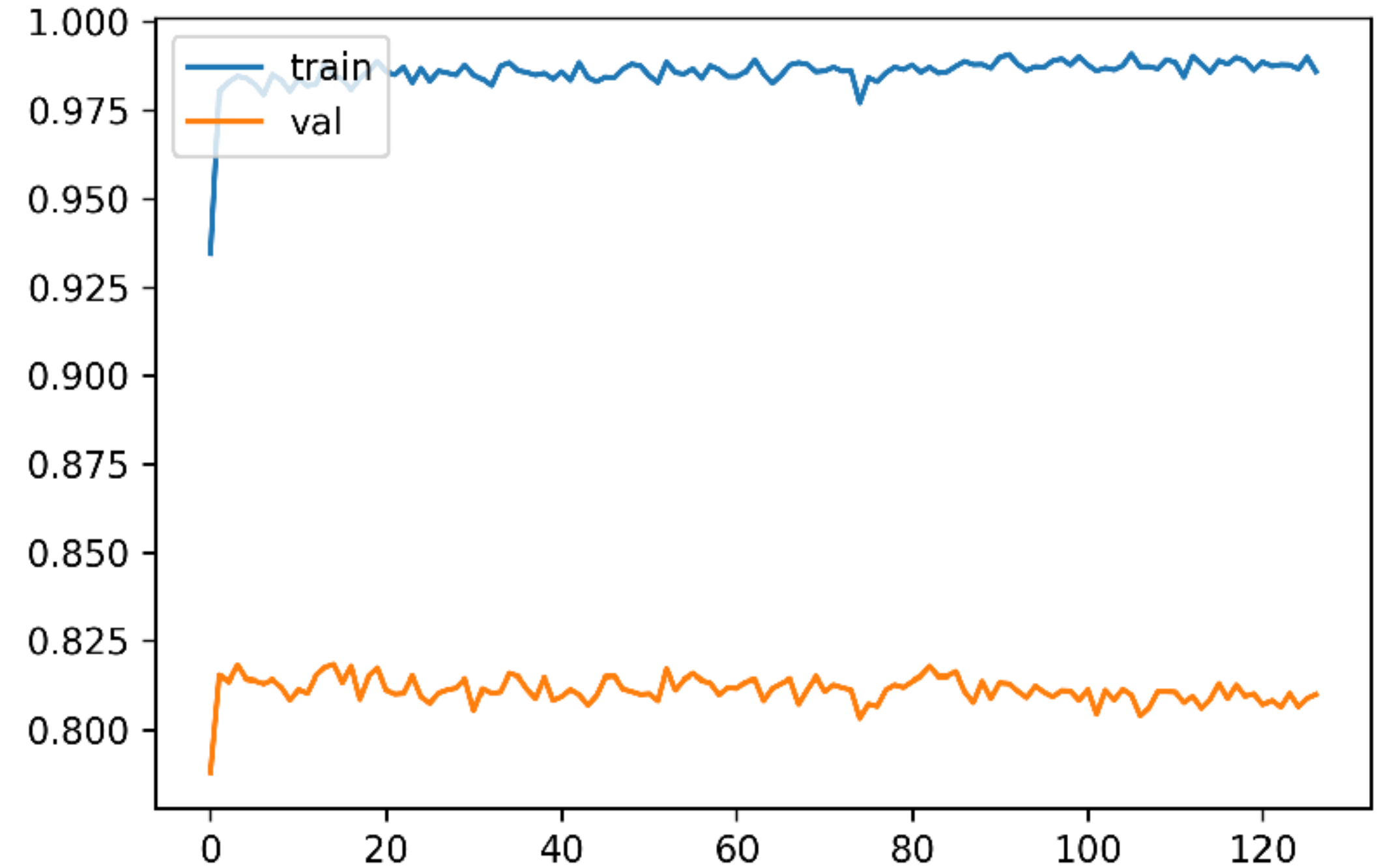
20%

Task - 5

LOSS



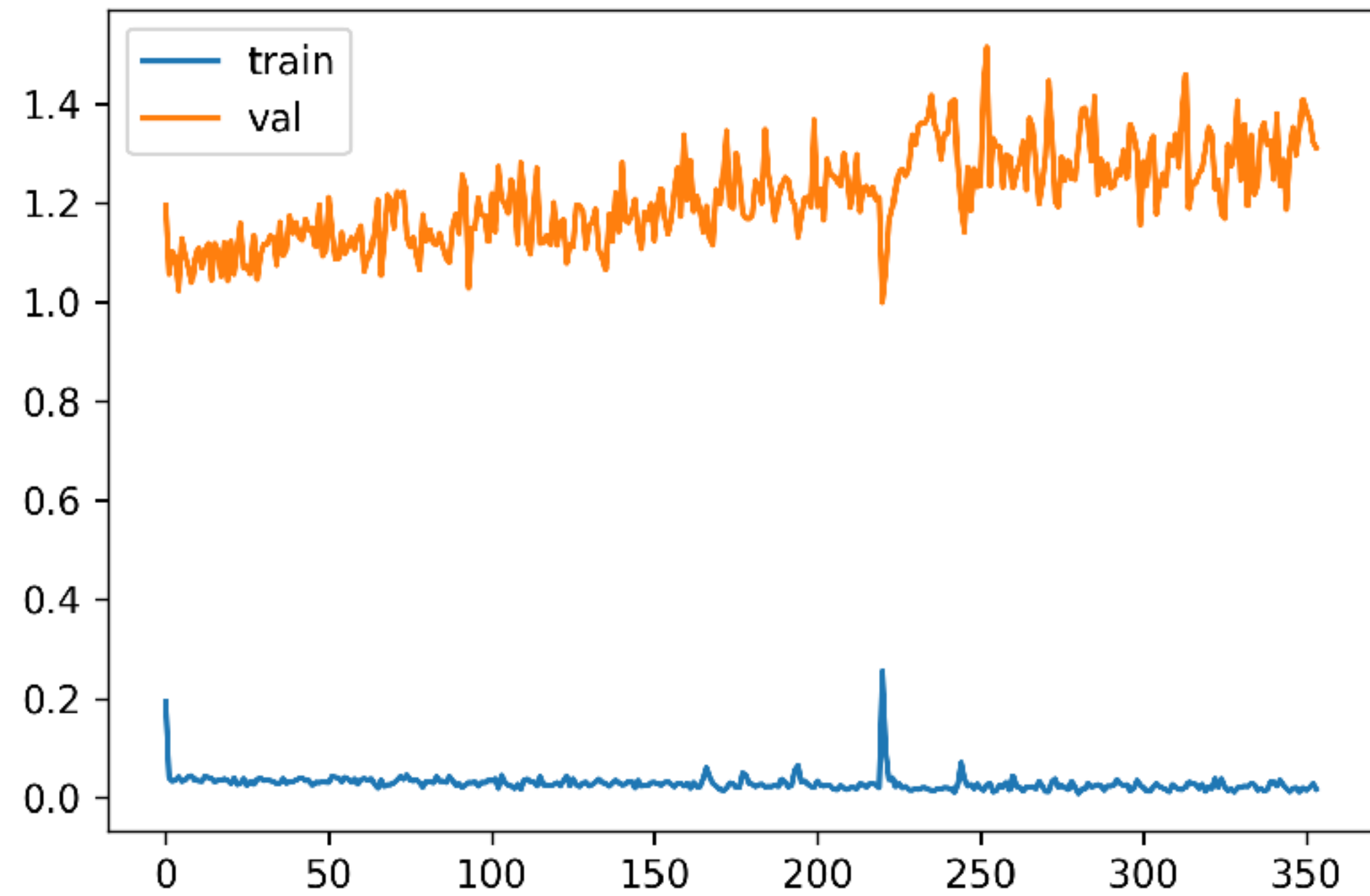
ACC



30%

Task - 5

LOSS



ACC

