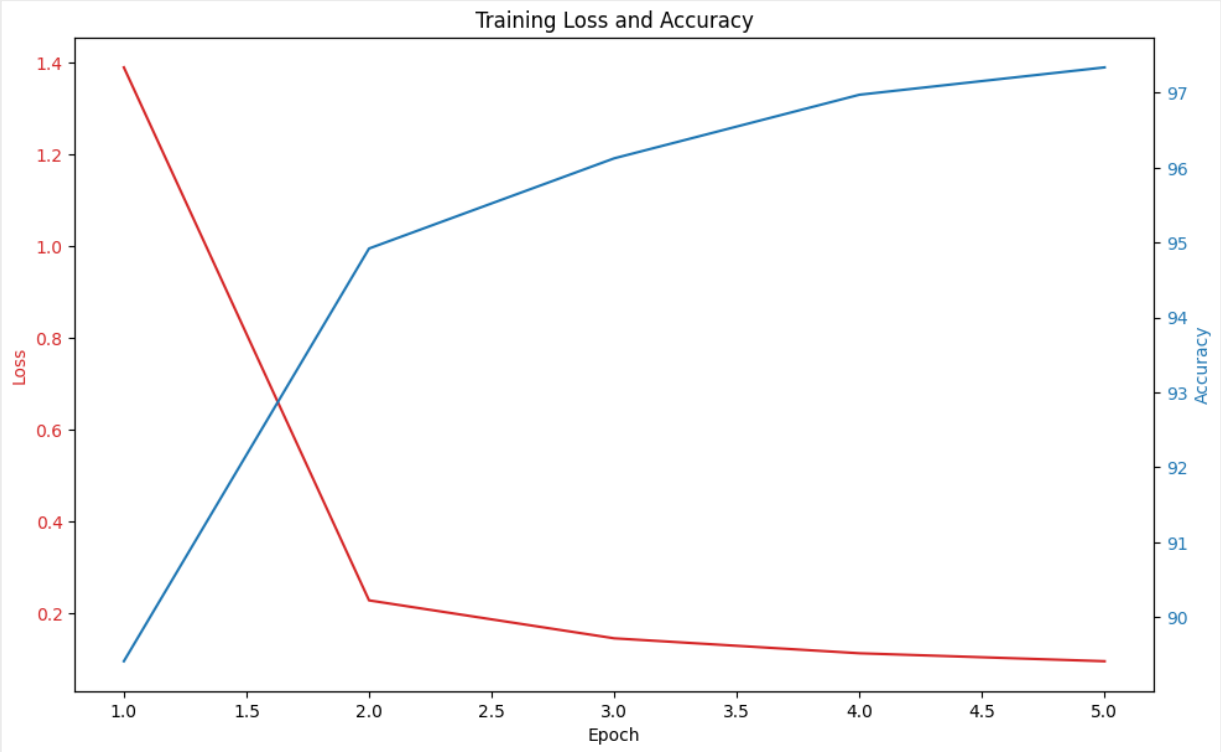
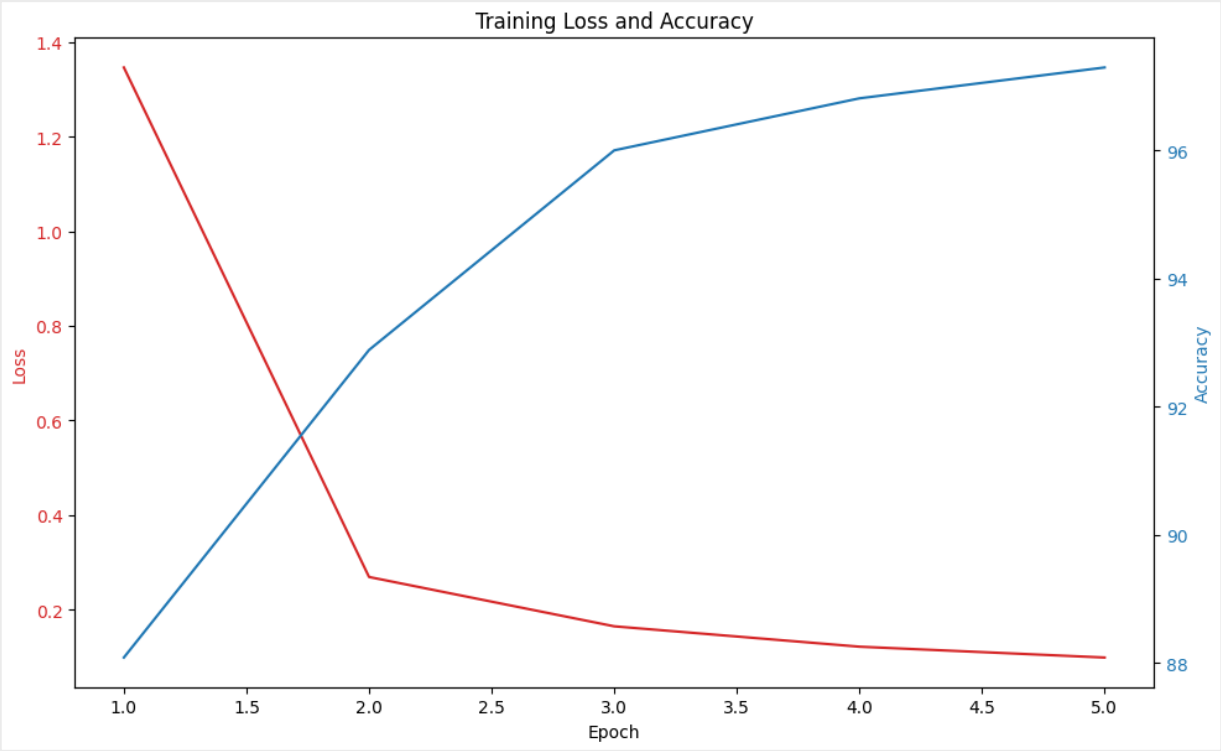
RESULTS FOR THREE LAYER CNN CONFIGS

Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 20, 3, 1, 1, 1, 20, 30, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.390
Accuracy of the network on the test images: 89.41%
Epoch 2, Loss: 0.229
Accuracy of the network on the test images: 94.92%
Epoch 3, Loss: 0.146
Accuracy of the network on the test images: 96.12%
Epoch 4, Loss: 0.114
Accuracy of the network on the test images: 96.97%
Epoch 5, Loss: 0.097
Accuracy of the network on the test images: 97.34%
Finished Training

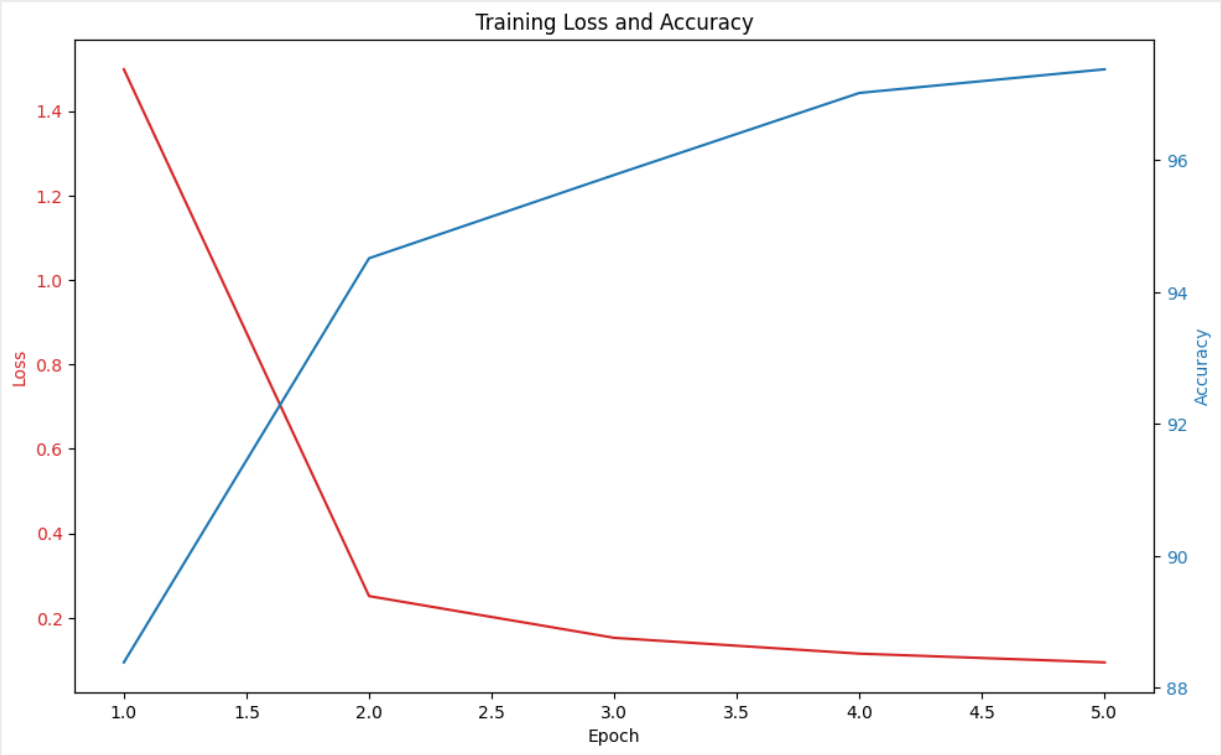


Testing model...
Average test loss: 0.0785, Accuracy: 9753/10000 (97.53%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 20, 3, 1, 1, 1, 20, 40, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.347
Accuracy of the network on the test images: 88.09%
Epoch 2, Loss: 0.269
Accuracy of the network on the test images: 92.89%
Epoch 3, Loss: 0.165
Accuracy of the network on the test images: 96.00%

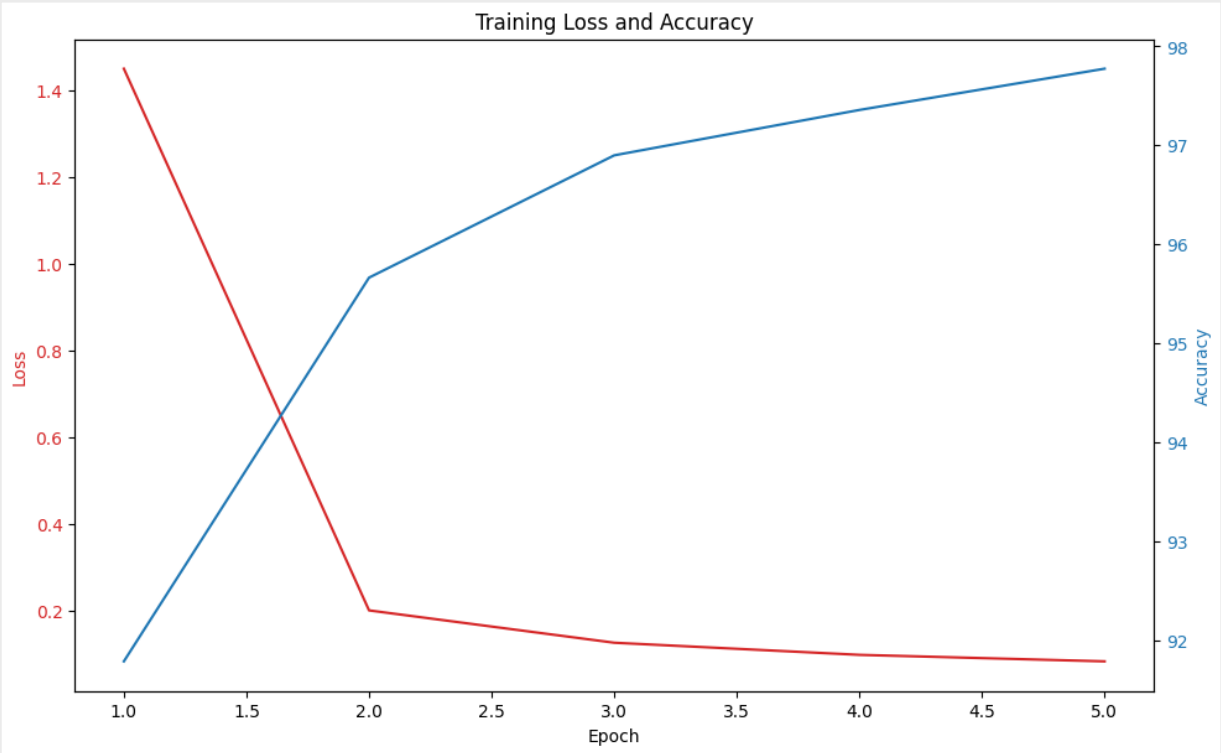
Epoch 4, Loss: 0.122
Accuracy of the network on the test images: 96.81%
Epoch 5, Loss: 0.099
Accuracy of the network on the test images: 97.30%
Finished Training



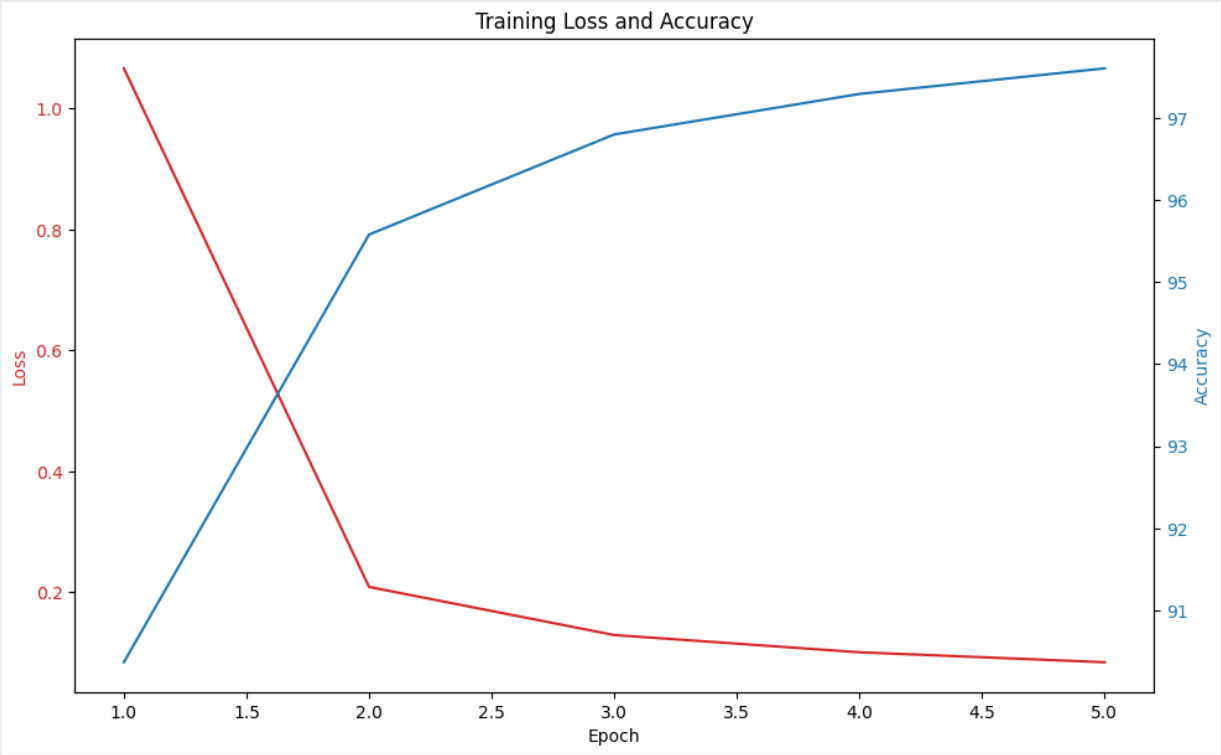
Testing model...
Average test loss: 0.0783, Accuracy: 9756/10000 (97.56%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 20, 3, 1, 1, 1, 20, 50, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.498
Accuracy of the network on the test images: 88.38%
Epoch 2, Loss: 0.251
Accuracy of the network on the test images: 94.51%
Epoch 3, Loss: 0.152
Accuracy of the network on the test images: 95.77%
Epoch 4, Loss: 0.115
Accuracy of the network on the test images: 97.02%
Epoch 5, Loss: 0.094
Accuracy of the network on the test images: 97.38%
Finished Training



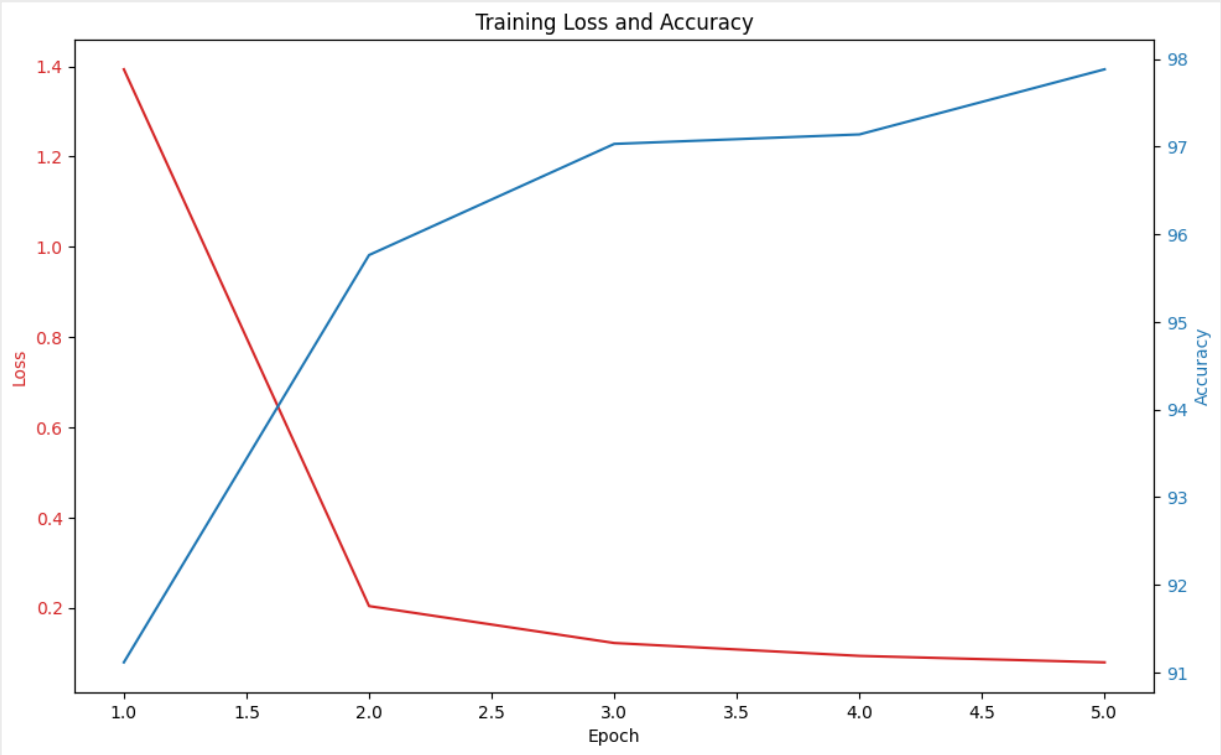
Testing model...
Average test loss: 0.0775, Accuracy: 9747/10000 (97.47%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 20, 3, 1, 1, 1, 20, 60, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.450
Accuracy of the network on the test images: 91.79%
Epoch 2, Loss: 0.201
Accuracy of the network on the test images: 95.66%
Epoch 3, Loss: 0.126
Accuracy of the network on the test images: 96.90%
Epoch 4, Loss: 0.098
Accuracy of the network on the test images: 97.36%
Epoch 5, Loss: 0.083
Accuracy of the network on the test images: 97.77%
Finished Training



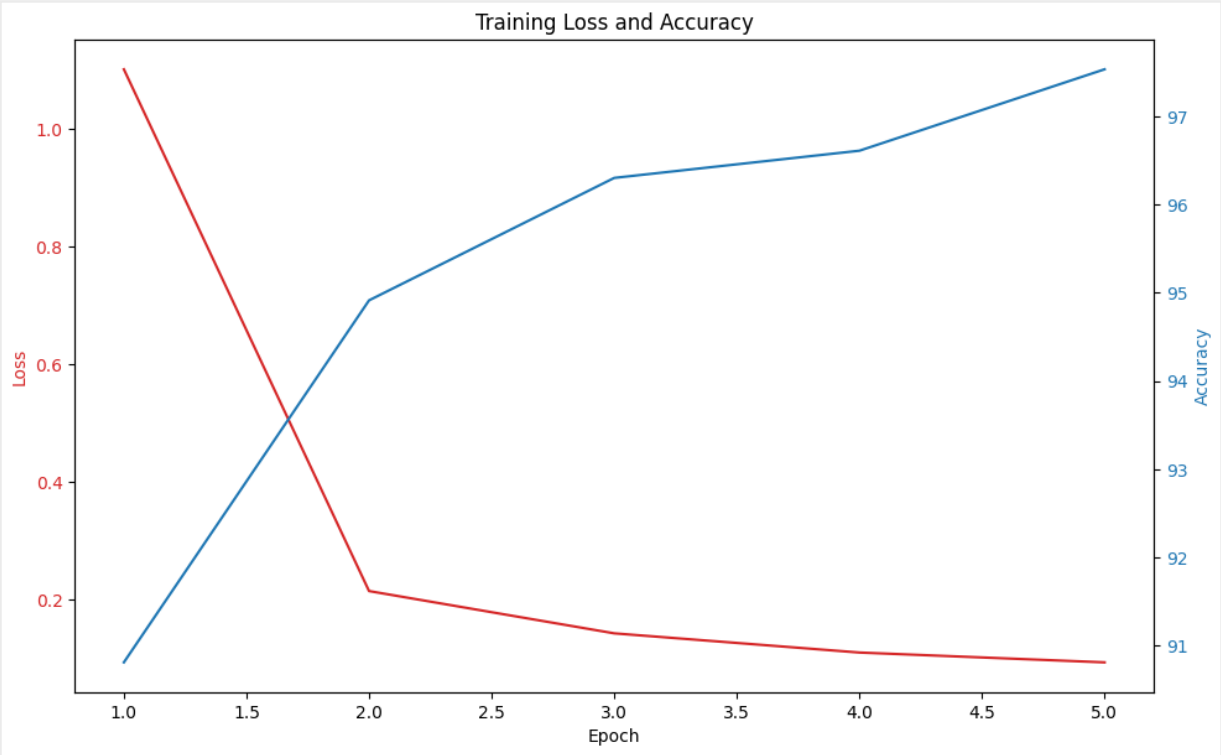
Testing model...
Average test loss: 0.0676, Accuracy: 9779/10000 (97.79%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 20, 3, 1, 1, 1, 20, 70, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.066
Accuracy of the network on the test images: 90.37%
Epoch 2, Loss: 0.209
Accuracy of the network on the test images: 95.58%
Epoch 3, Loss: 0.129
Accuracy of the network on the test images: 96.80%
Epoch 4, Loss: 0.101
Accuracy of the network on the test images: 97.29%
Epoch 5, Loss: 0.084
Accuracy of the network on the test images: 97.60%
Finished Training



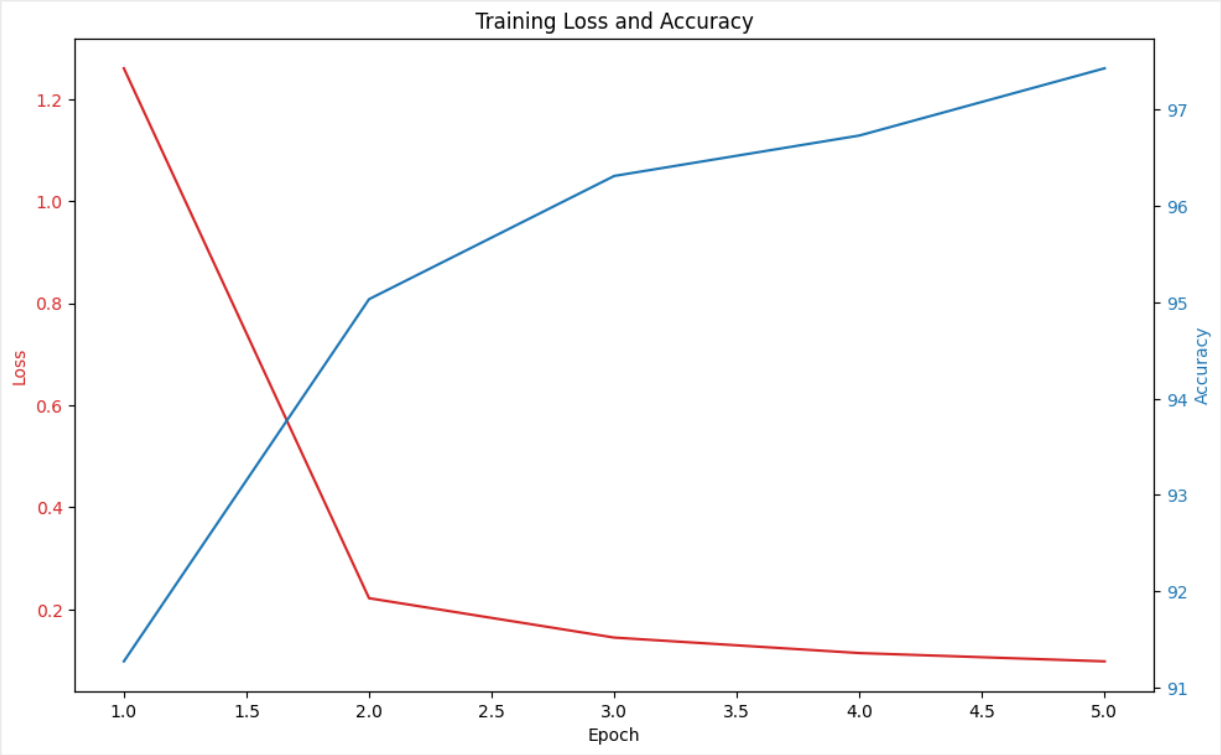
Testing model...
Average test loss: 0.0750, Accuracy: 9773/10000 (97.73%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 20, 3, 1, 1, 1, 20, 80, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.394
Accuracy of the network on the test images: 91.11%
Epoch 2, Loss: 0.204
Accuracy of the network on the test images: 95.76%
Epoch 3, Loss: 0.122
Accuracy of the network on the test images: 97.03%
Epoch 4, Loss: 0.093
Accuracy of the network on the test images: 97.14%
Epoch 5, Loss: 0.079
Accuracy of the network on the test images: 97.88%
Finished Training



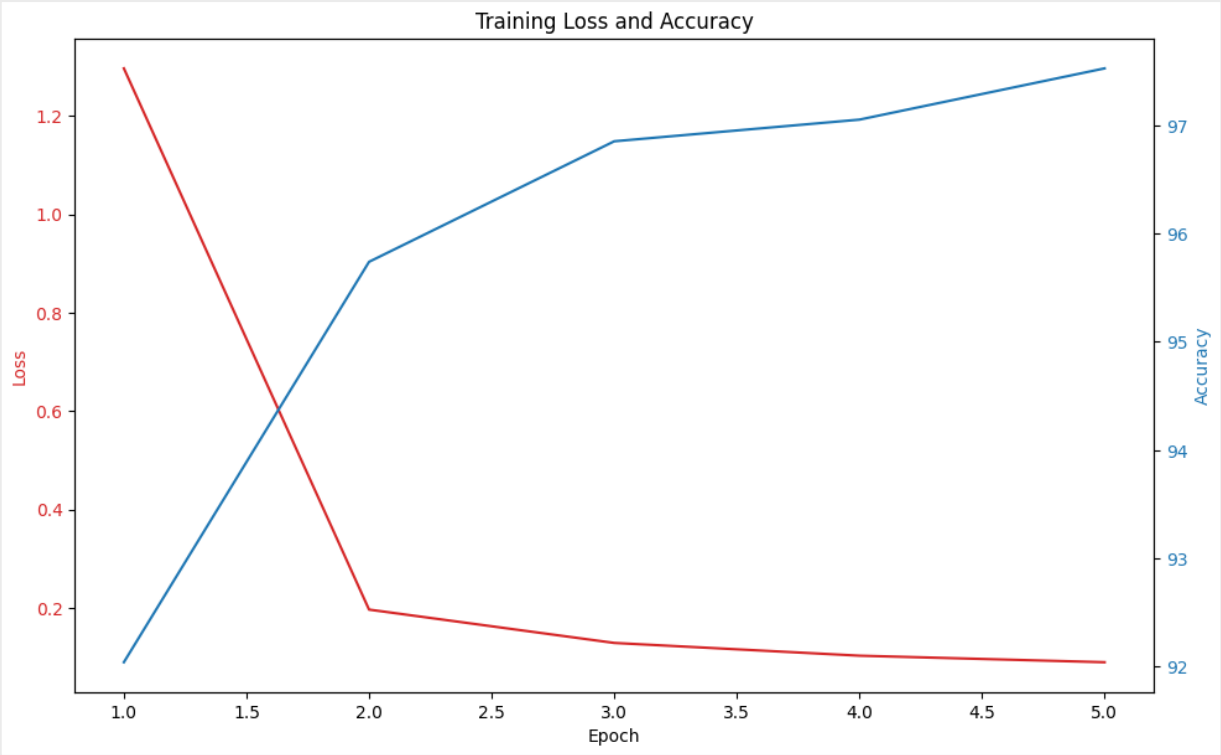
Testing model...
Average test loss: 0.0619, Accuracy: 9790/10000 (97.90%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 30, 3, 1, 1, 1, 30, 30, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.102
Accuracy of the network on the test images: 90.81%
Epoch 2, Loss: 0.214
Accuracy of the network on the test images: 94.91%
Epoch 3, Loss: 0.142
Accuracy of the network on the test images: 96.30%
Epoch 4, Loss: 0.110
Accuracy of the network on the test images: 96.61%
Epoch 5, Loss: 0.093
Accuracy of the network on the test images: 97.53%
Finished Training



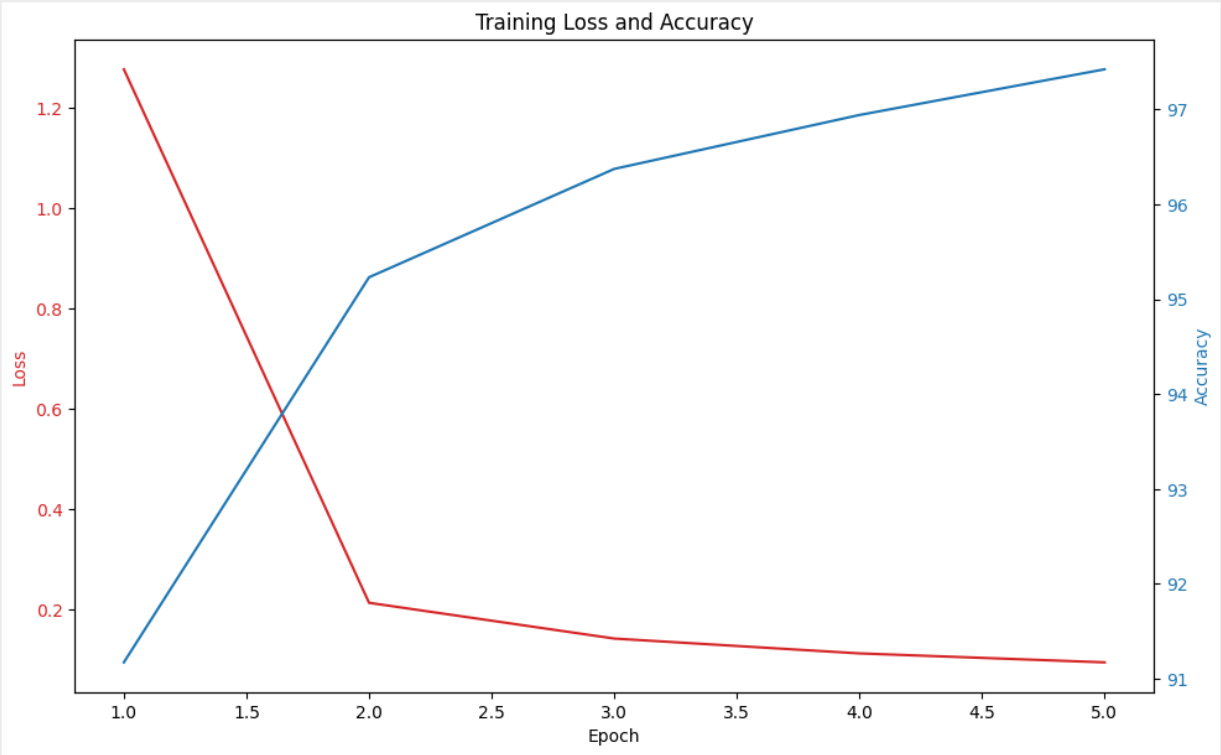
Testing model...
Average test loss: 0.0721, Accuracy: 9776/10000 (97.76%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 30, 3, 1, 1, 1, 30, 40, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.260
Accuracy of the network on the test images: 91.27%
Epoch 2, Loss: 0.222
Accuracy of the network on the test images: 95.03%
Epoch 3, Loss: 0.145
Accuracy of the network on the test images: 96.31%
Epoch 4, Loss: 0.114
Accuracy of the network on the test images: 96.73%
Epoch 5, Loss: 0.098
Accuracy of the network on the test images: 97.43%
Finished Training



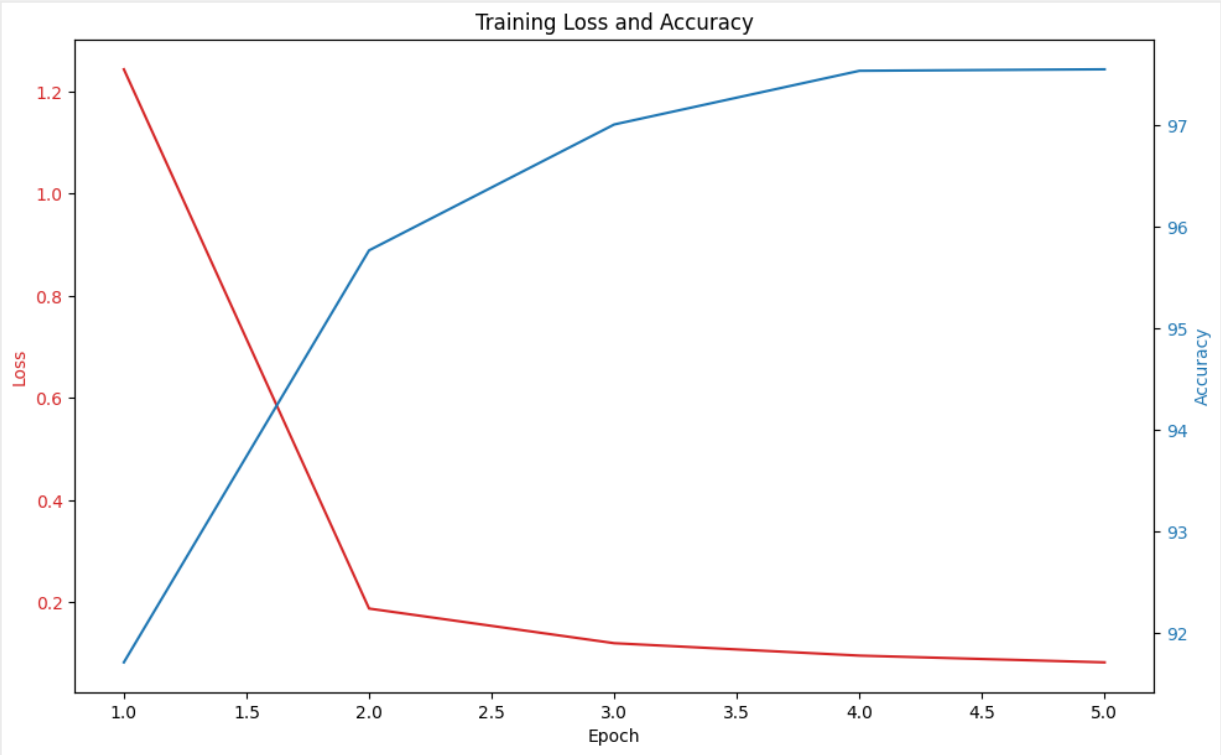
Testing model...
Average test loss: 0.0741, Accuracy: 9768/10000 (97.68%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 30, 3, 1, 1, 1, 30, 50, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.297
Accuracy of the network on the test images: 92.04%
Epoch 2, Loss: 0.196
Accuracy of the network on the test images: 95.74%
Epoch 3, Loss: 0.129
Accuracy of the network on the test images: 96.85%
Epoch 4, Loss: 0.103
Accuracy of the network on the test images: 97.05%
Epoch 5, Loss: 0.089
Accuracy of the network on the test images: 97.53%
Finished Training



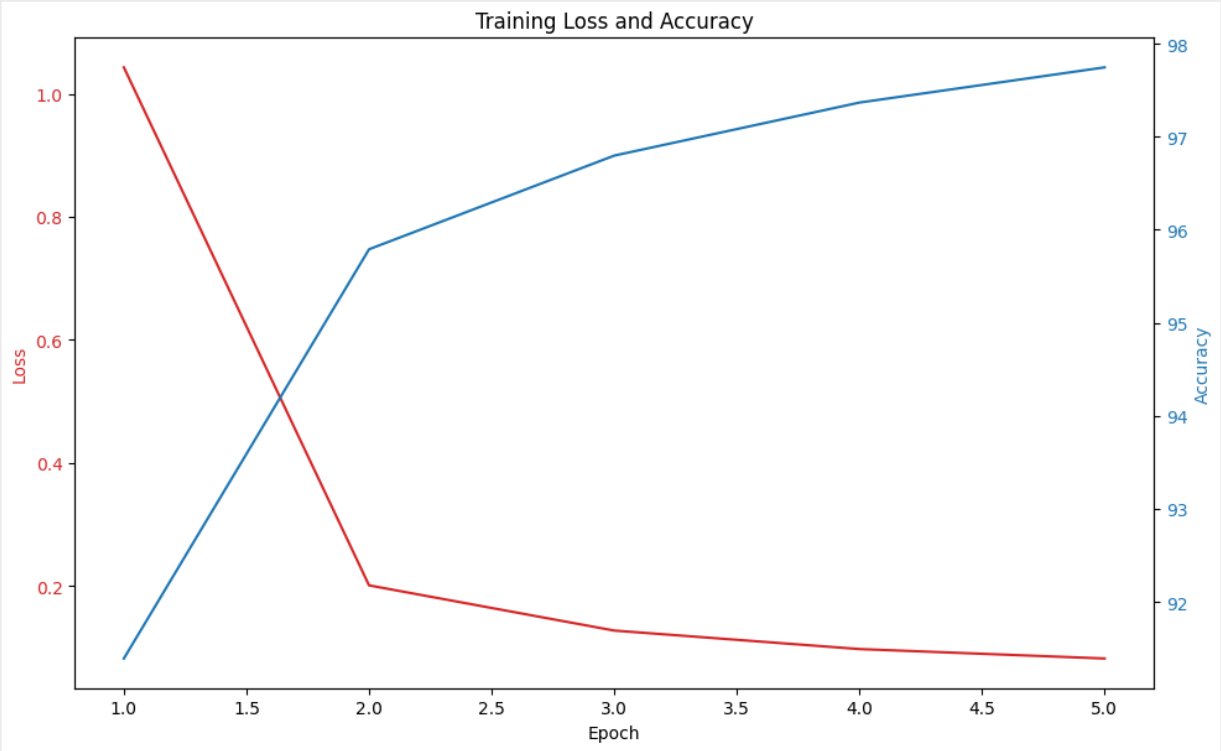
Testing model...
Average test loss: 0.0744, Accuracy: 9744/10000 (97.44%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 30, 3, 1, 1, 1, 30, 60, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.277
Accuracy of the network on the test images: 91.17%
Epoch 2, Loss: 0.214
Accuracy of the network on the test images: 95.23%
Epoch 3, Loss: 0.143
Accuracy of the network on the test images: 96.37%
Epoch 4, Loss: 0.113
Accuracy of the network on the test images: 96.94%
Epoch 5, Loss: 0.096
Accuracy of the network on the test images: 97.42%
Finished Training



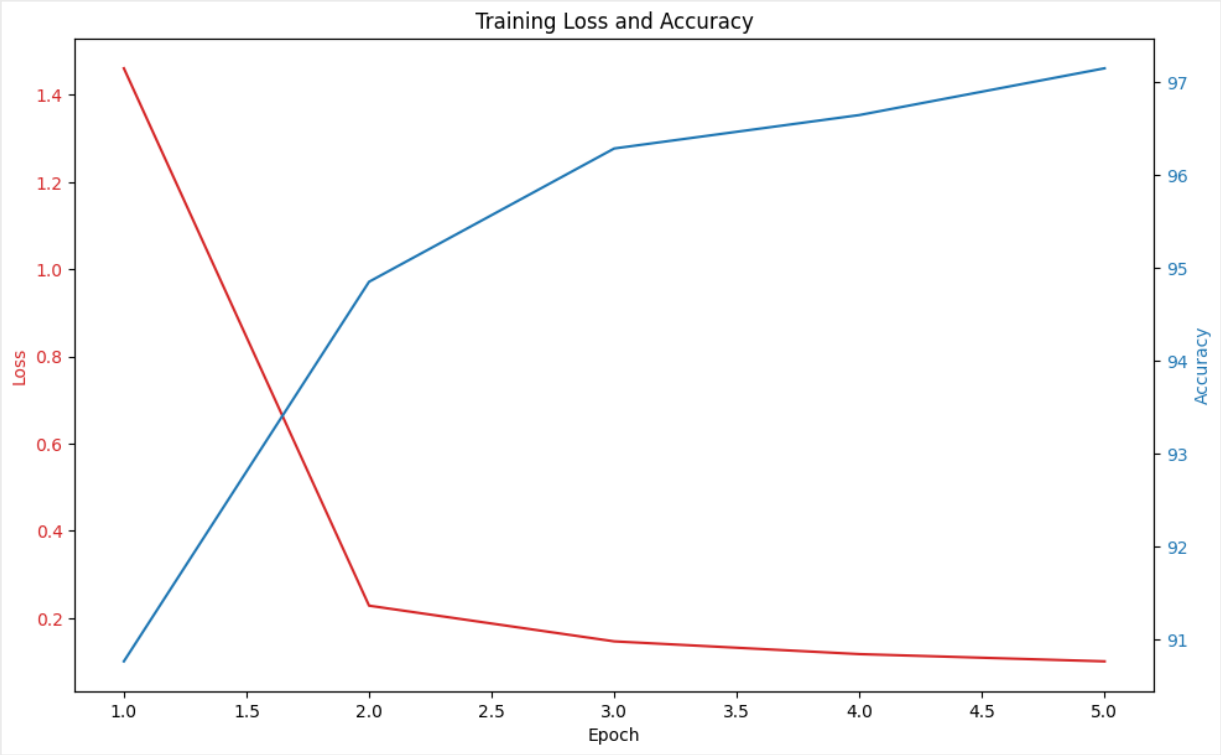
Testing model...
Average test loss: 0.0743, Accuracy: 9751/10000 (97.51%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 30, 3, 1, 1, 1, 30, 70, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.243
Accuracy of the network on the test images: 91.71%
Epoch 2, Loss: 0.187
Accuracy of the network on the test images: 95.77%
Epoch 3, Loss: 0.120
Accuracy of the network on the test images: 97.01%
Epoch 4, Loss: 0.095
Accuracy of the network on the test images: 97.54%
Epoch 5, Loss: 0.082
Accuracy of the network on the test images: 97.55%
Finished Training



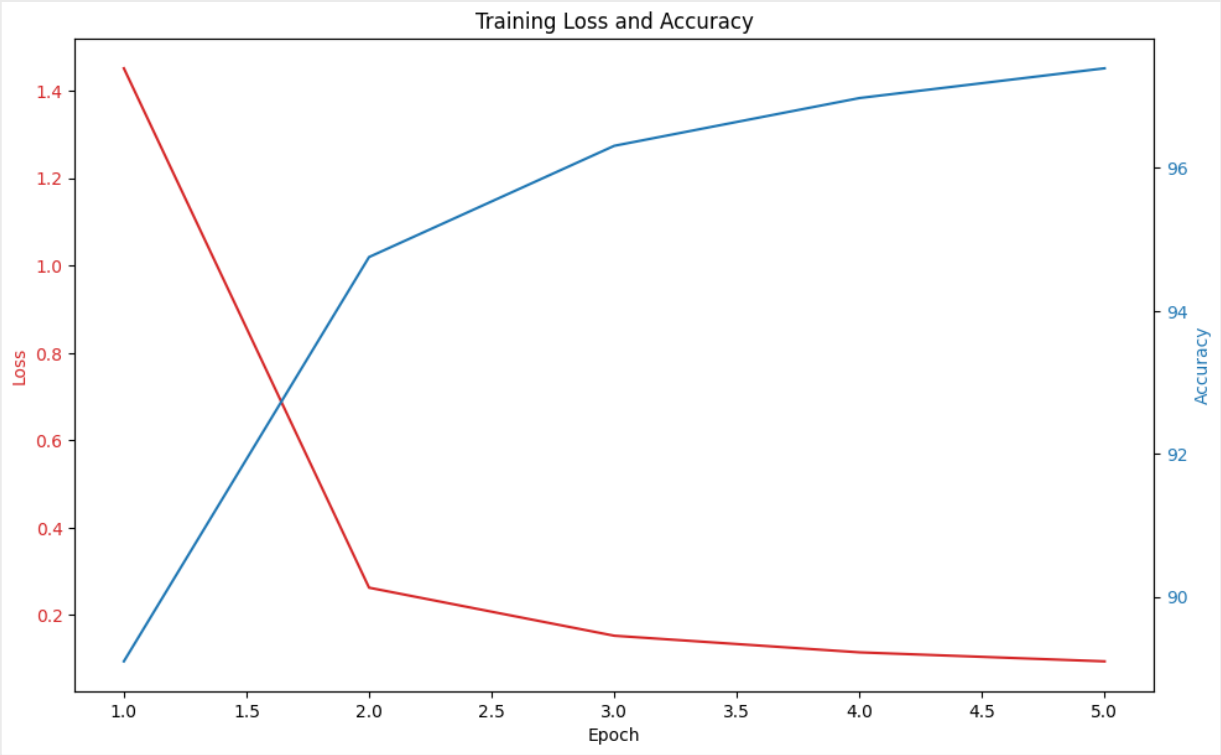
Testing model...
Average test loss: 0.0662, Accuracy: 9783/10000 (97.83%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 30, 3, 1, 1, 1, 30, 80, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.043
Accuracy of the network on the test images: 91.39%
Epoch 2, Loss: 0.201
Accuracy of the network on the test images: 95.79%
Epoch 3, Loss: 0.127
Accuracy of the network on the test images: 96.80%
Epoch 4, Loss: 0.097
Accuracy of the network on the test images: 97.37%
Epoch 5, Loss: 0.082
Accuracy of the network on the test images: 97.75%
Finished Training



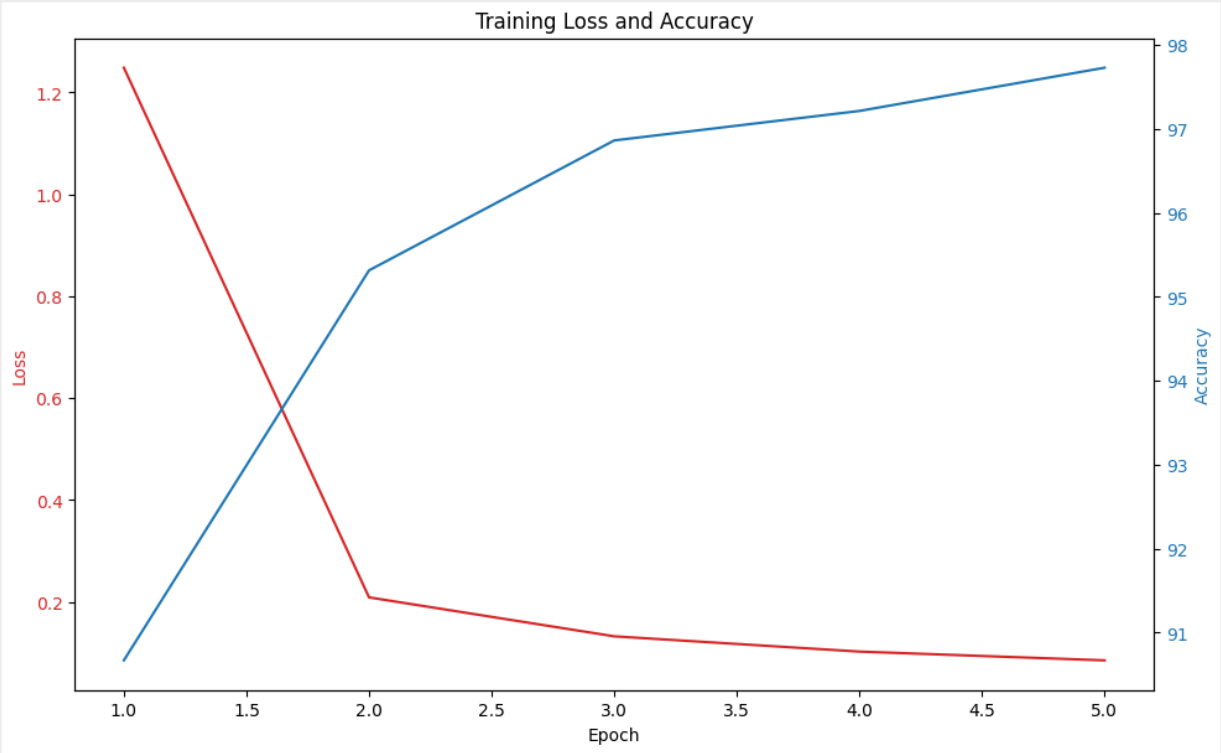
Testing model...
Average test loss: 0.0677, Accuracy: 9797/10000 (97.97%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 40, 3, 1, 1, 1, 40, 30, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.461
Accuracy of the network on the test images: 90.76%
Epoch 2, Loss: 0.228
Accuracy of the network on the test images: 94.85%
Epoch 3, Loss: 0.147
Accuracy of the network on the test images: 96.28%
Epoch 4, Loss: 0.117
Accuracy of the network on the test images: 96.64%
Epoch 5, Loss: 0.101
Accuracy of the network on the test images: 97.14%
Finished Training



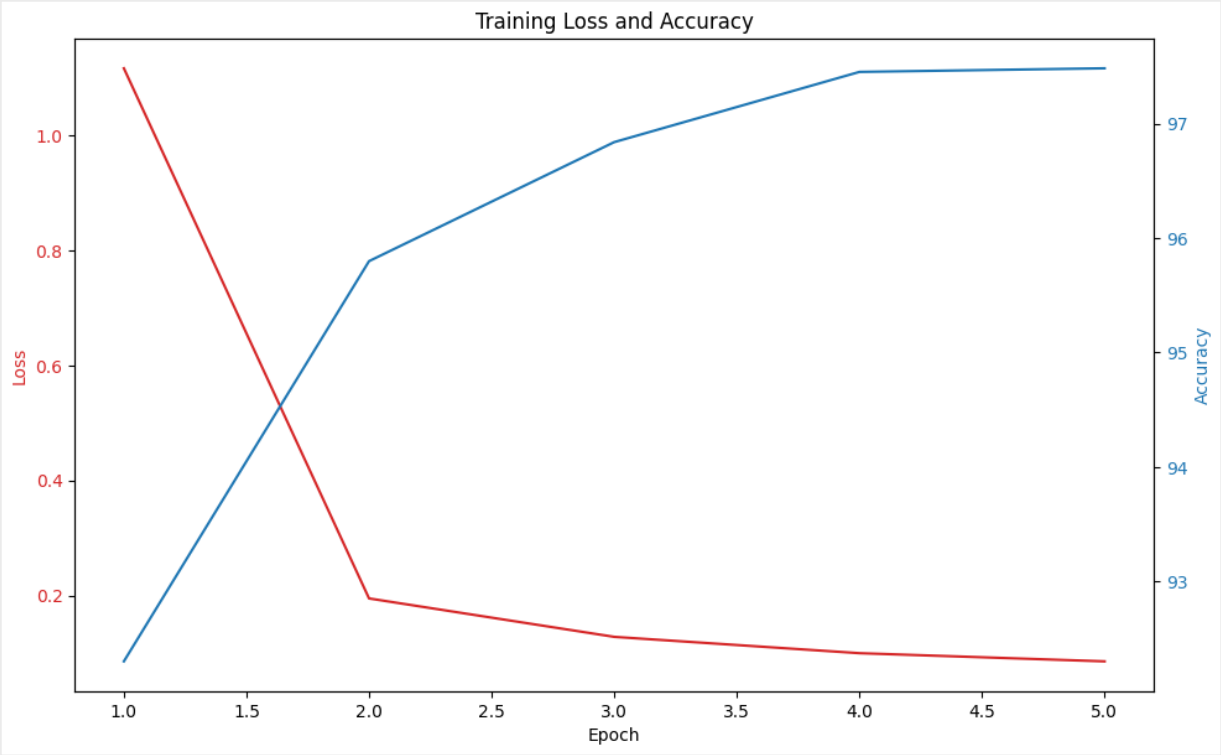
Testing model...
Average test loss: 0.0806, Accuracy: 9744/10000 (97.44%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 40, 3, 1, 1, 1, 40, 40, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.451
Accuracy of the network on the test images: 89.09%
Epoch 2, Loss: 0.263
Accuracy of the network on the test images: 94.75%
Epoch 3, Loss: 0.153
Accuracy of the network on the test images: 96.31%
Epoch 4, Loss: 0.115
Accuracy of the network on the test images: 96.98%
Epoch 5, Loss: 0.094
Accuracy of the network on the test images: 97.39%
Finished Training



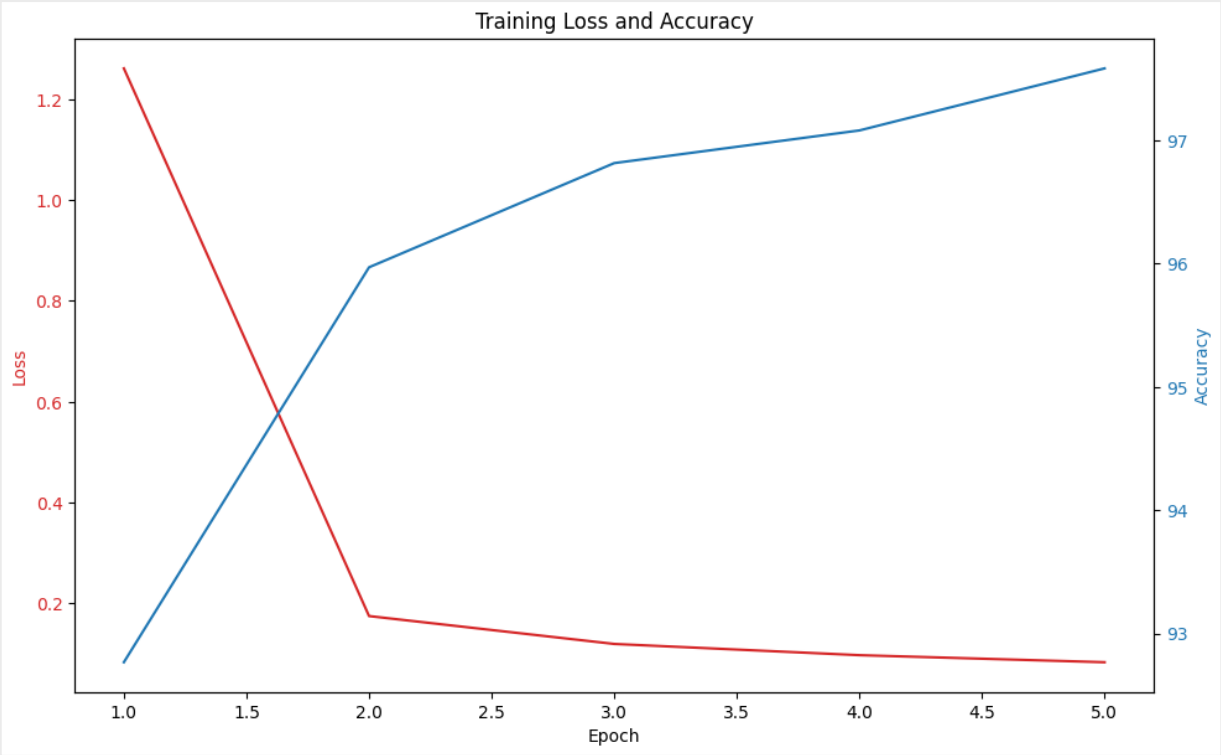
Testing model...
Average test loss: 0.0799, Accuracy: 9743/10000 (97.43%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 40, 3, 1, 1, 1, 40, 50, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.248
Accuracy of the network on the test images: 90.67%
Epoch 2, Loss: 0.209
Accuracy of the network on the test images: 95.31%
Epoch 3, Loss: 0.133
Accuracy of the network on the test images: 96.86%
Epoch 4, Loss: 0.103
Accuracy of the network on the test images: 97.22%
Epoch 5, Loss: 0.085
Accuracy of the network on the test images: 97.73%
Finished Training



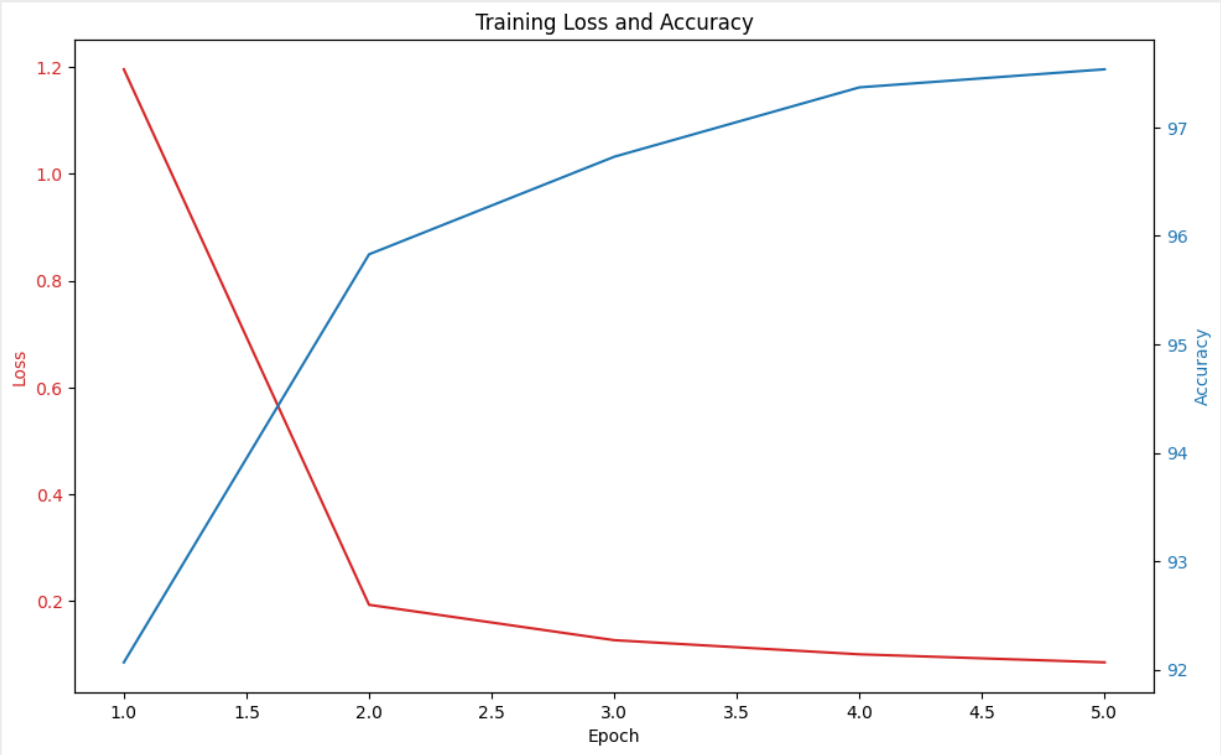
Testing model...
Average test loss: 0.0719, Accuracy: 9766/10000 (97.66%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 40, 3, 1, 1, 1, 40, 60, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.116
Accuracy of the network on the test images: 92.30%
Epoch 2, Loss: 0.195
Accuracy of the network on the test images: 95.80%
Epoch 3, Loss: 0.128
Accuracy of the network on the test images: 96.84%
Epoch 4, Loss: 0.100
Accuracy of the network on the test images: 97.45%
Epoch 5, Loss: 0.085
Accuracy of the network on the test images: 97.48%
Finished Training



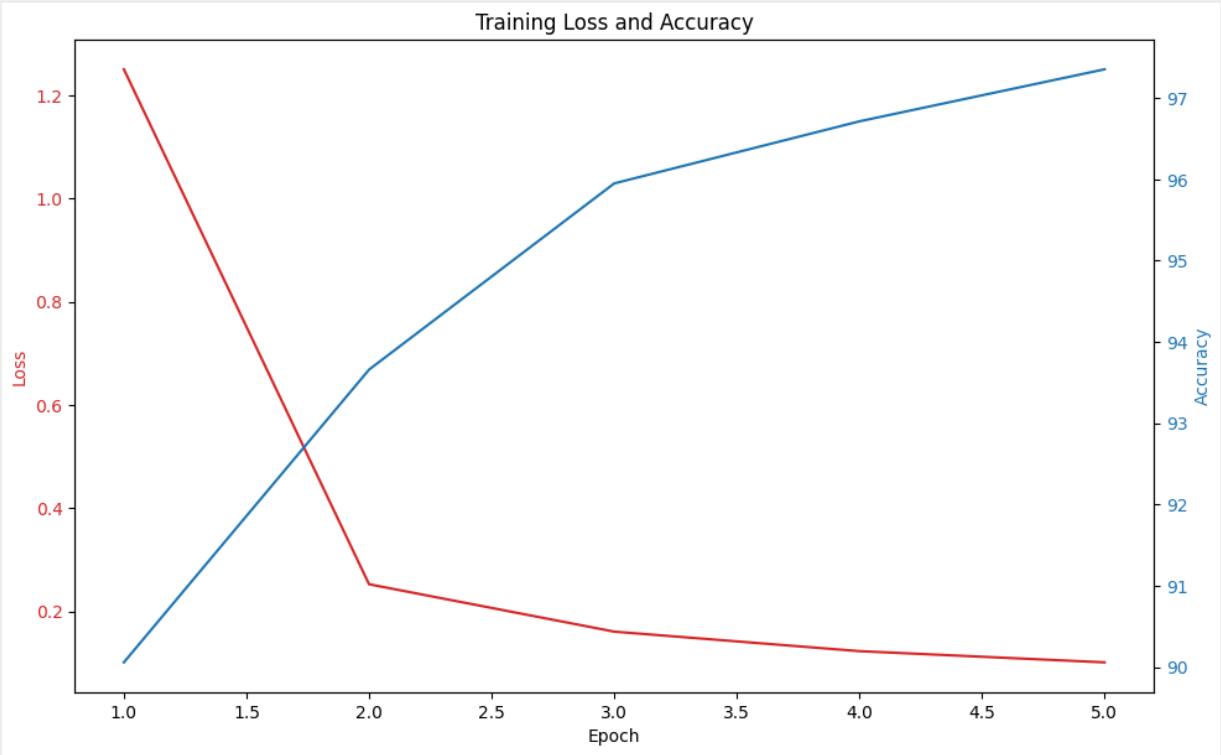
Testing model...
Average test loss: 0.0706, Accuracy: 9782/10000 (97.82%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 40, 3, 1, 1, 1, 40, 70, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.261
Accuracy of the network on the test images: 92.77%
Epoch 2, Loss: 0.175
Accuracy of the network on the test images: 95.97%
Epoch 3, Loss: 0.120
Accuracy of the network on the test images: 96.81%
Epoch 4, Loss: 0.097
Accuracy of the network on the test images: 97.08%
Epoch 5, Loss: 0.083
Accuracy of the network on the test images: 97.58%
Finished Training



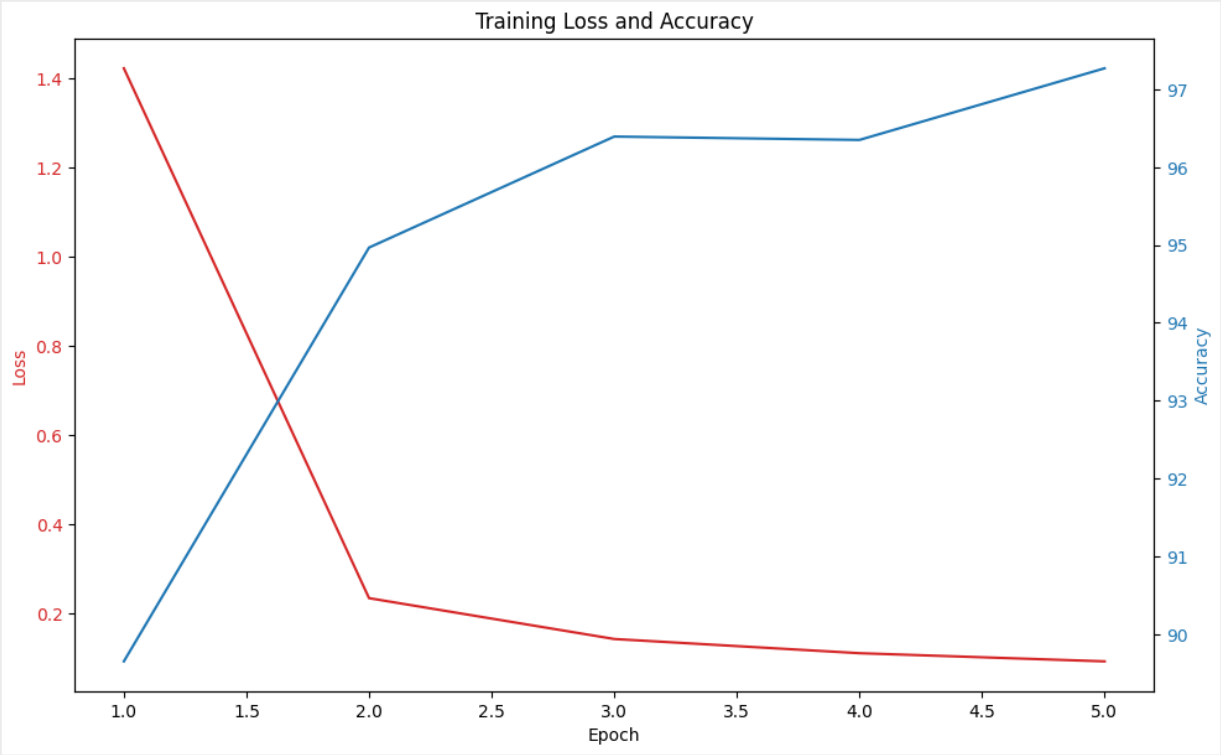
Testing model...
Average test loss: 0.0660, Accuracy: 9792/10000 (97.92%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 40, 3, 1, 1, 1, 40, 80, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.196
Accuracy of the network on the test images: 92.07%
Epoch 2, Loss: 0.193
Accuracy of the network on the test images: 95.83%
Epoch 3, Loss: 0.127
Accuracy of the network on the test images: 96.73%
Epoch 4, Loss: 0.101
Accuracy of the network on the test images: 97.37%
Epoch 5, Loss: 0.086
Accuracy of the network on the test images: 97.54%
Finished Training



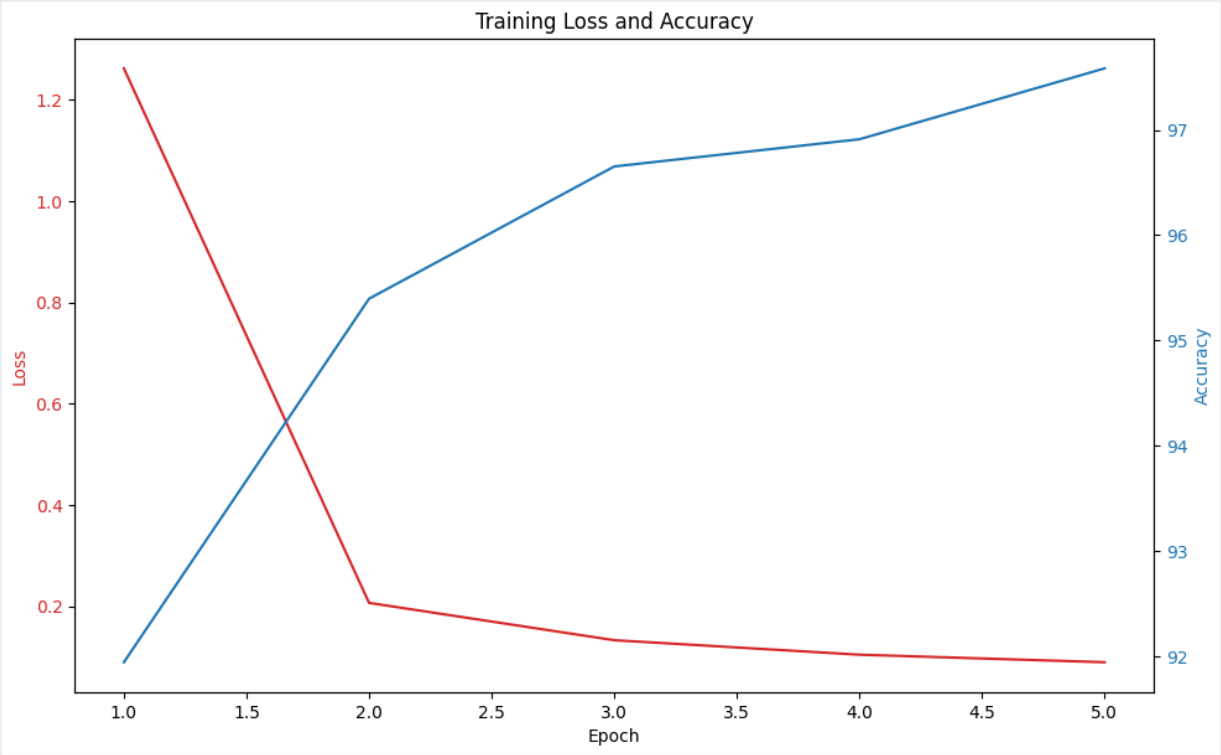
Testing model...
Average test loss: 0.0733, Accuracy: 9760/10000 (97.60%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 50, 3, 1, 1, 1, 50, 30, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.250
Accuracy of the network on the test images: 90.06%
Epoch 2, Loss: 0.253
Accuracy of the network on the test images: 93.66%
Epoch 3, Loss: 0.161
Accuracy of the network on the test images: 95.95%
Epoch 4, Loss: 0.123
Accuracy of the network on the test images: 96.71%
Epoch 5, Loss: 0.101
Accuracy of the network on the test images: 97.35%
Finished Training



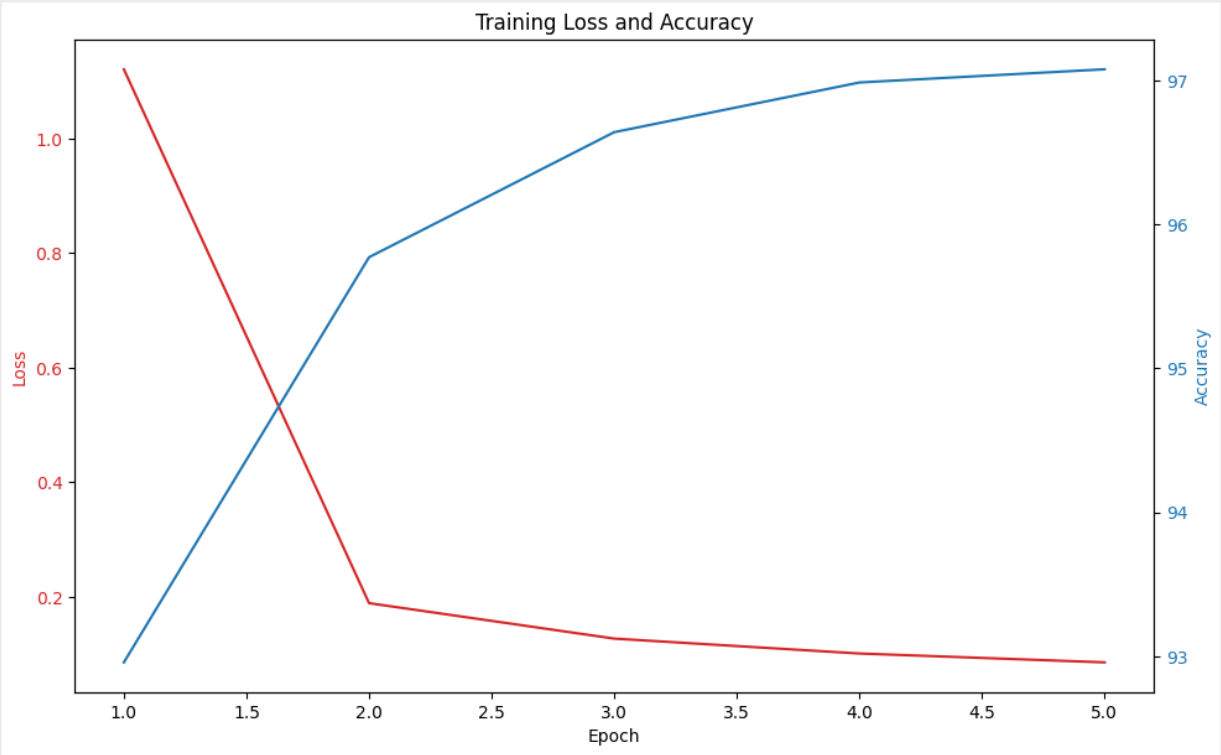
Testing model...
Average test loss: 0.0804, Accuracy: 9748/10000 (97.48%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 50, 3, 1, 1, 1, 50, 40, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.423
Accuracy of the network on the test images: 89.65%
Epoch 2, Loss: 0.235
Accuracy of the network on the test images: 94.97%
Epoch 3, Loss: 0.143
Accuracy of the network on the test images: 96.39%
Epoch 4, Loss: 0.112
Accuracy of the network on the test images: 96.35%
Epoch 5, Loss: 0.093
Accuracy of the network on the test images: 97.27%
Finished Training



Testing model...
Average test loss: 0.0766, Accuracy: 9767/10000 (97.67%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 50, 3, 1, 1, 1, 50, 50, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.262
Accuracy of the network on the test images: 91.94%
Epoch 2, Loss: 0.206
Accuracy of the network on the test images: 95.40%
Epoch 3, Loss: 0.133
Accuracy of the network on the test images: 96.65%
Epoch 4, Loss: 0.104
Accuracy of the network on the test images: 96.91%
Epoch 5, Loss: 0.089
Accuracy of the network on the test images: 97.58%
Finished Training



Testing model...
Average test loss: 0.0743, Accuracy: 9769/10000 (97.69%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 50, 3, 1, 1, 1, 50, 60, 3, 1, 1, 1)
yo
Epoch 1, Loss: 1.120
Accuracy of the network on the test images: 92.96%
Epoch 2, Loss: 0.189
Accuracy of the network on the test images: 95.77%
Epoch 3, Loss: 0.128
Accuracy of the network on the test images: 96.64%
Epoch 4, Loss: 0.102
Accuracy of the network on the test images: 96.98%
Epoch 5, Loss: 0.086
Accuracy of the network on the test images: 97.08%
Finished Training



Testing model...
Average test loss: 0.0848, Accuracy: 9727/10000 (97.27%)
Training model: conv_config=(1, 10, 3, 1, 1, 1, 10, 50, 3, 1, 1, 1, 50, 70, 3, 1, 1, 1)
yo