Homework about neural network compression:

1. Train a “big” network on your own or find an existing “big” network and the corresponding dataset on which the network is trained.
2. Try four model compression algorithms: pruning, distillation, decomposition, and quantization. Compare the compression ratio of different compression algorithms given the same performance loss.
3. If the performance loss is huge, please consider retrain your model to recover the performance and examine how much you can recover.