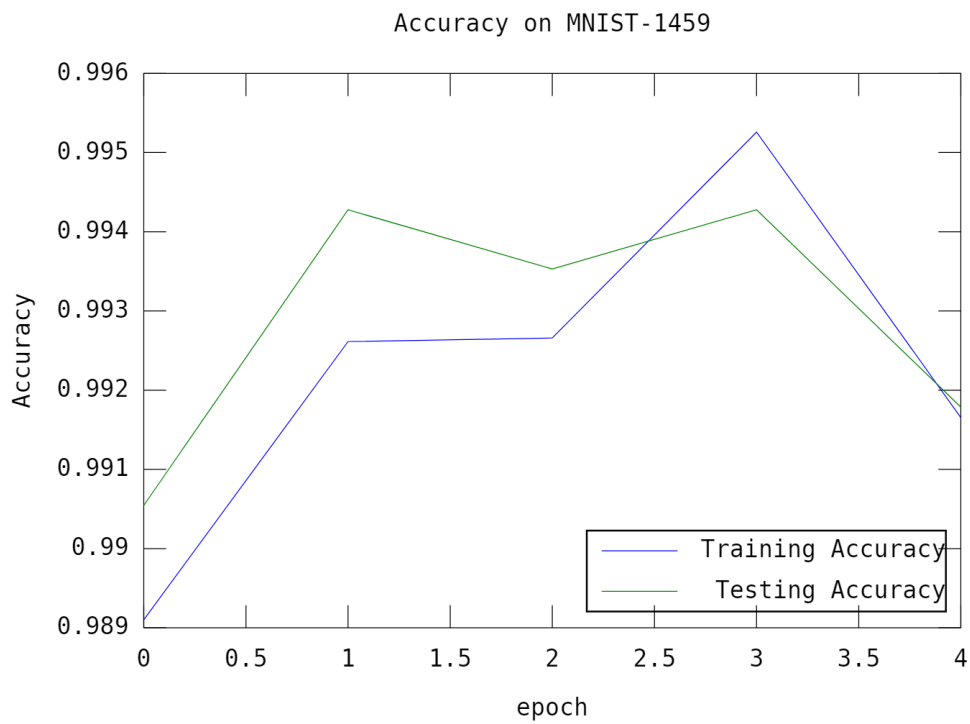
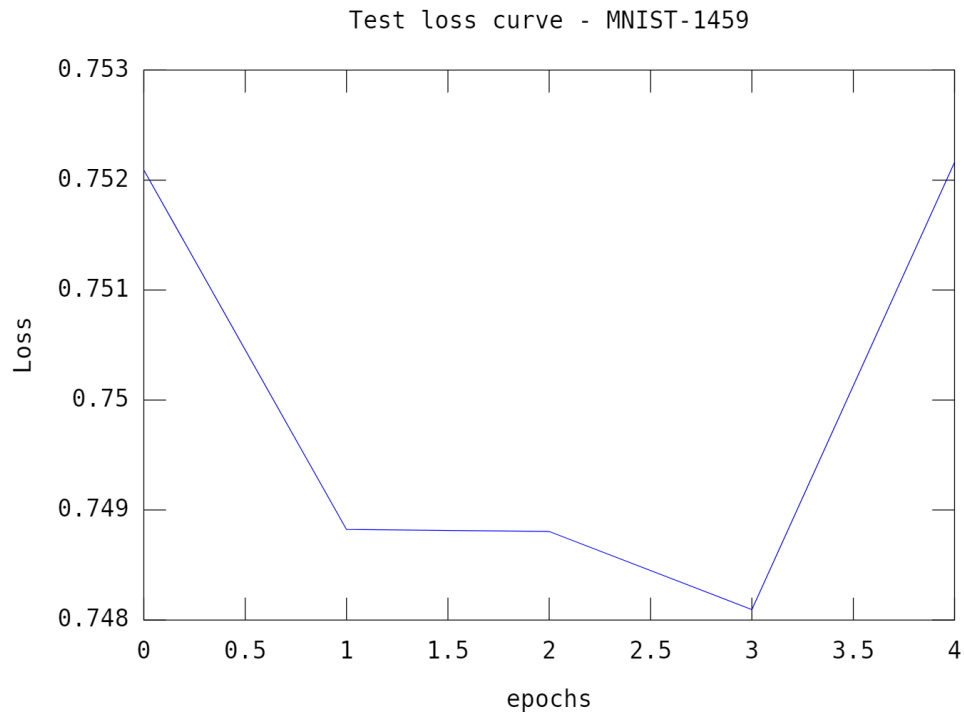
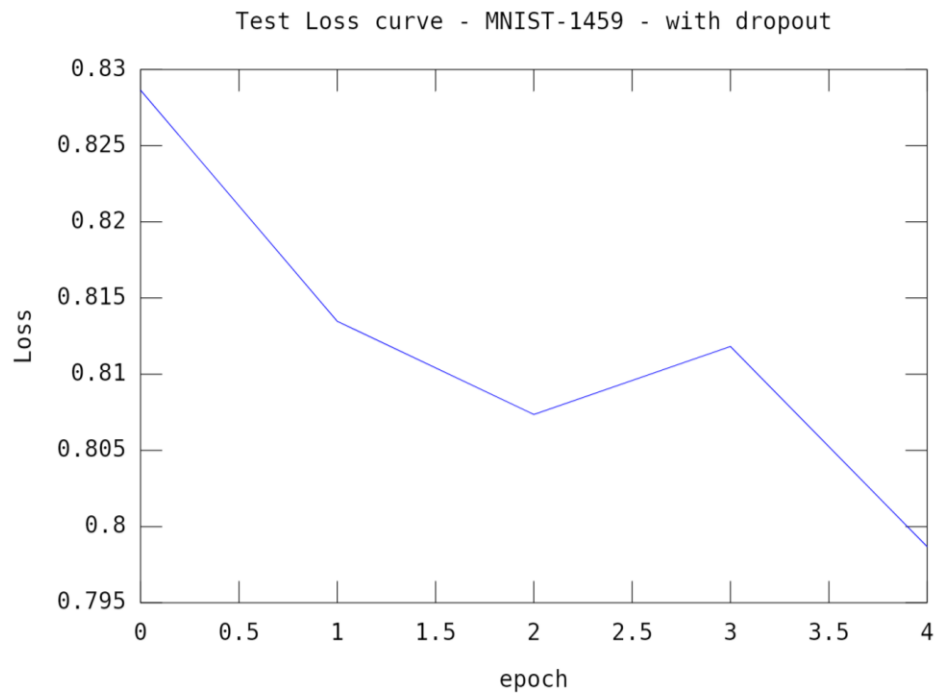


CSE527: HW6

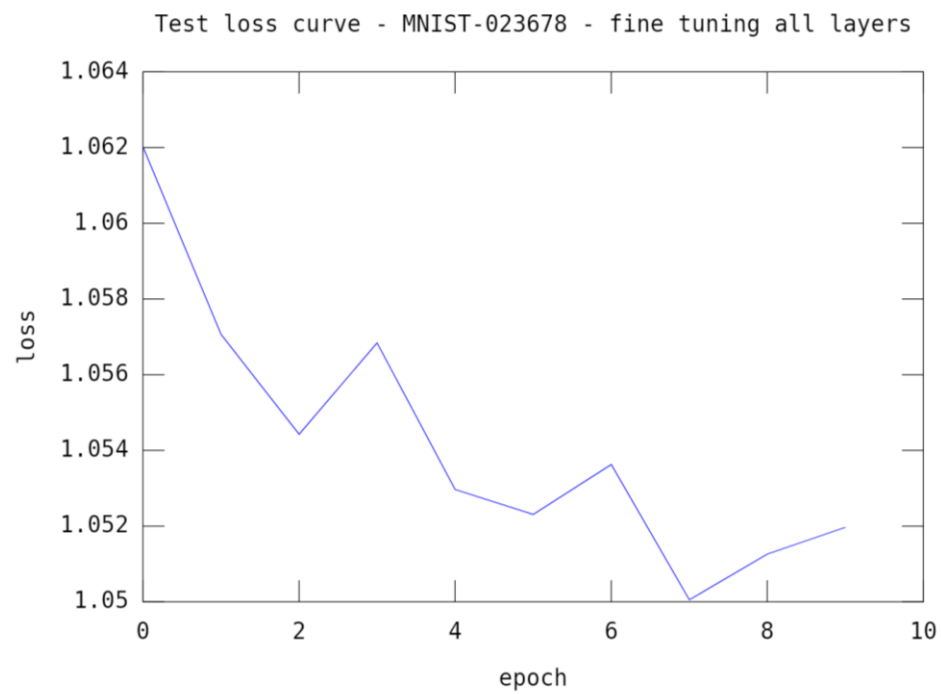
Submitted by: Gaurav Ahuja

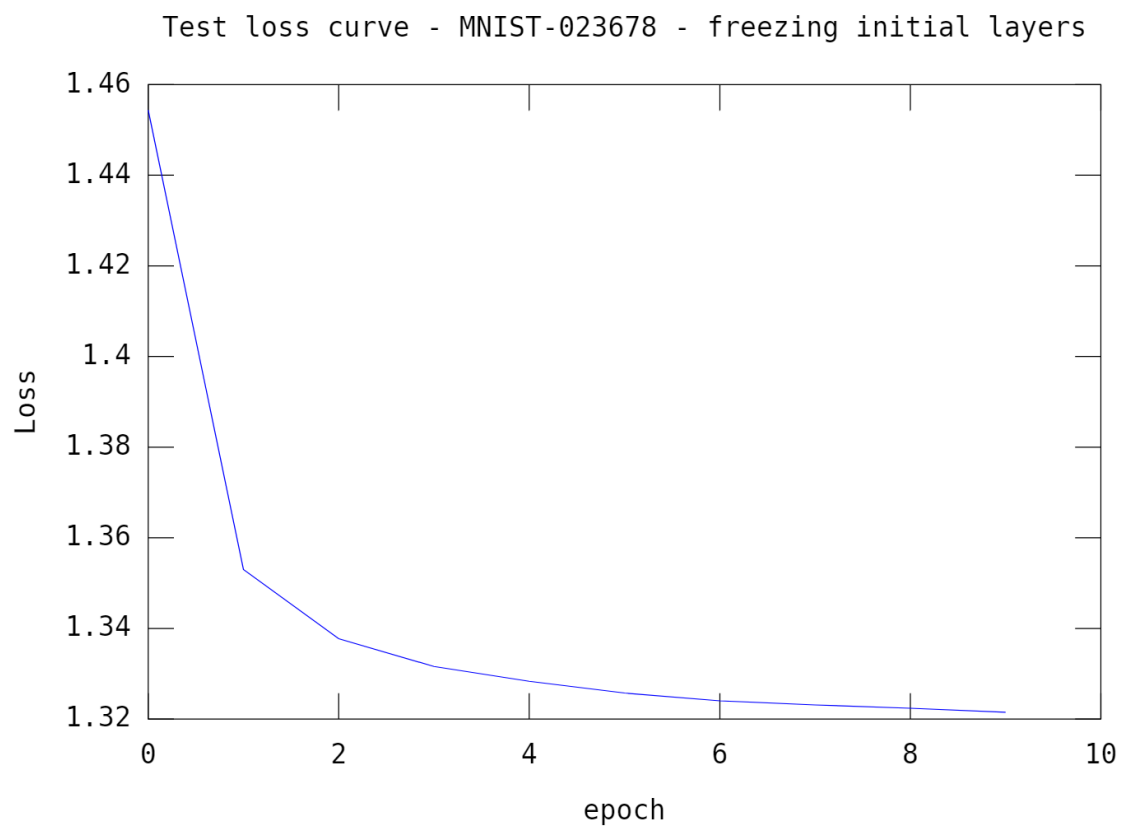
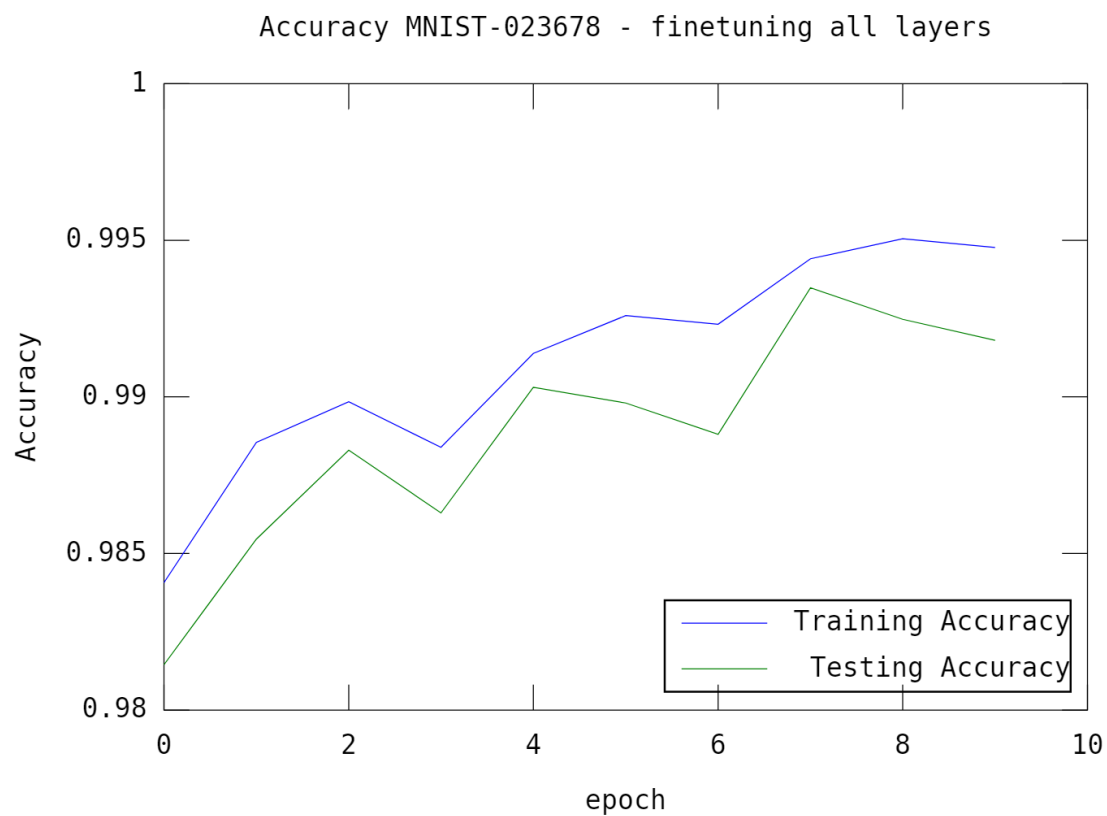
1. Make a graph of test loss curve with MATLAB on MNIST-1459

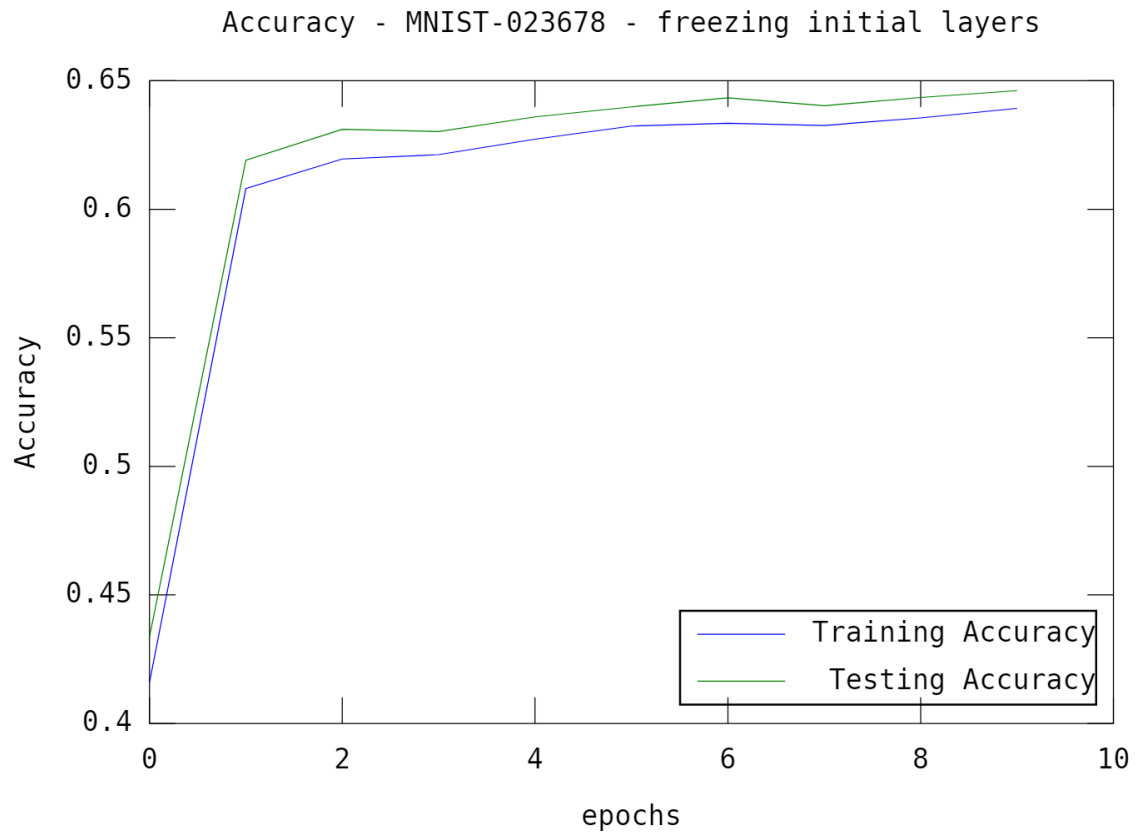




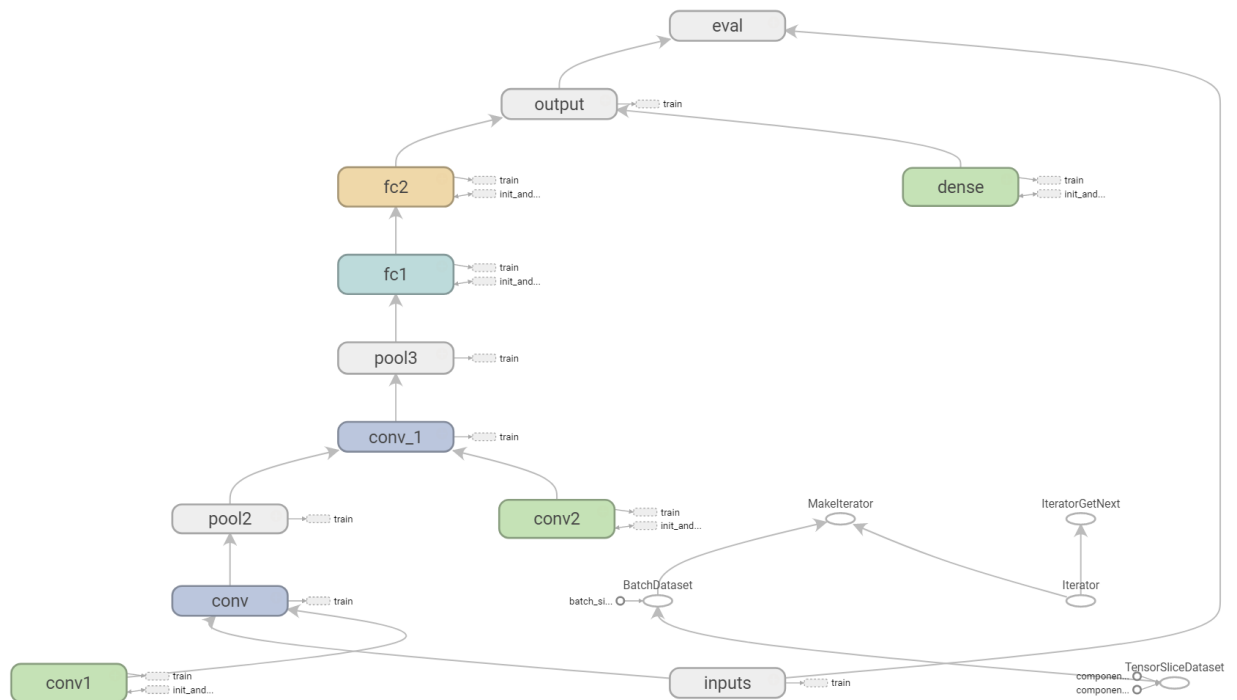
2. Make two graphs of test loss curve with MATLAB on MNIST-023678 (two conditions)







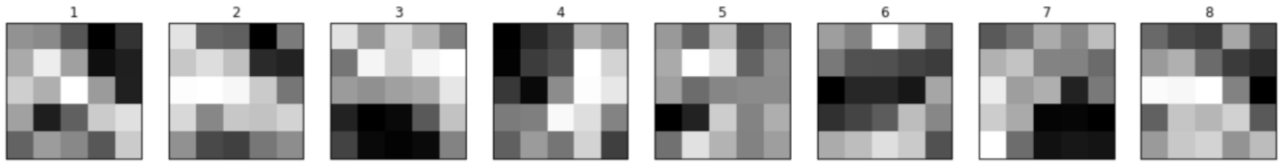
3. Final execution graph



4. Visualized filter maps for bonus 2

(a) Visualizing convolution kernels

Layer 1: 8 filters of size 5x5

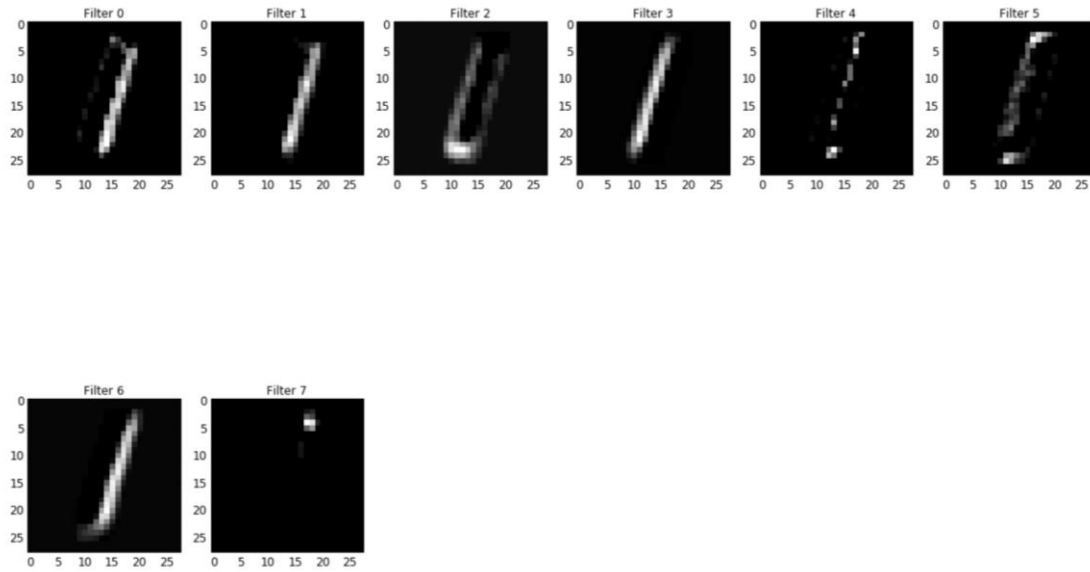


Layer 2: 16 filters, each of size 3x3x8

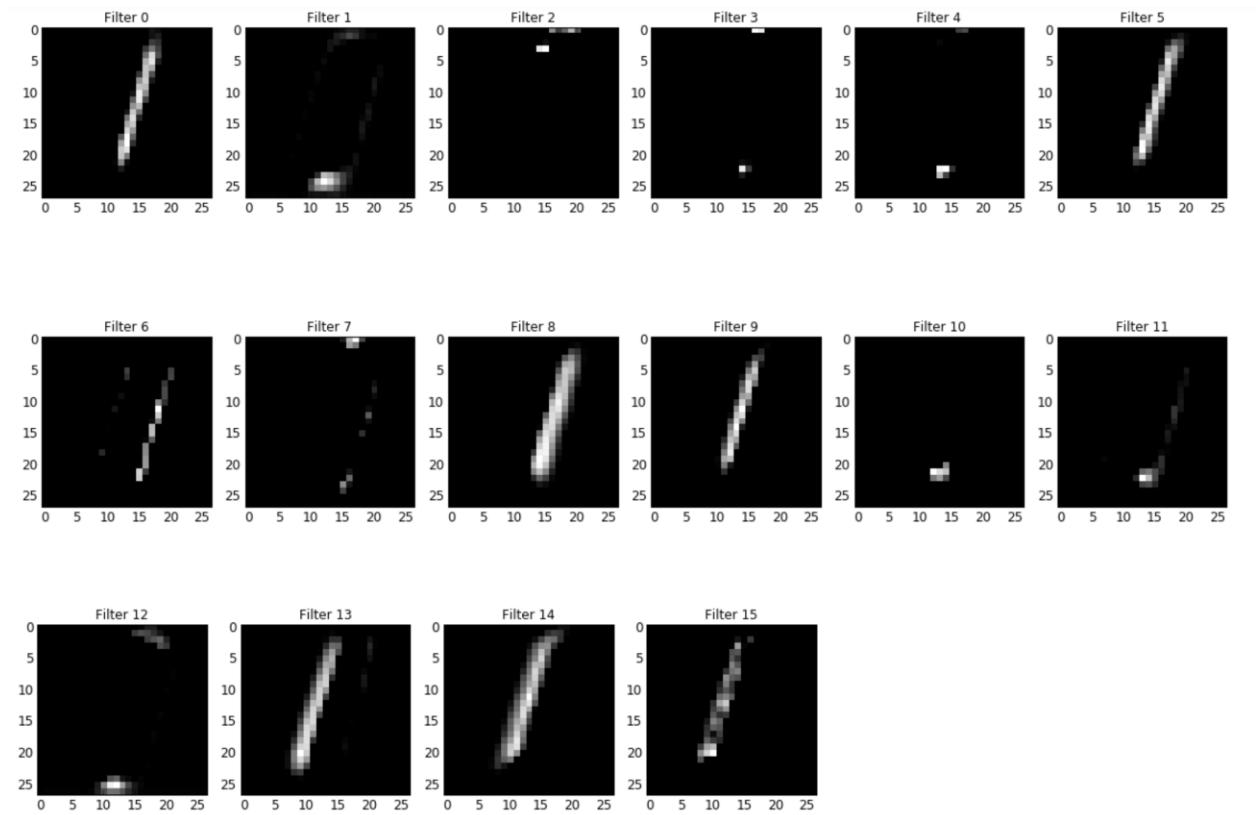


(b) Visualizing activations in conv1, conv2 and pool layers

Conv1 layer activations:



Conv layer 2 activations:



Pool layer after conv2 layer activations:

