

Task 3

It can be seen from the activations of the convolution layers that in Layer 1 the network learns the simple features like edges and points of the input whereas in layer 2 it learns the complex features such as textures and complicated shapes

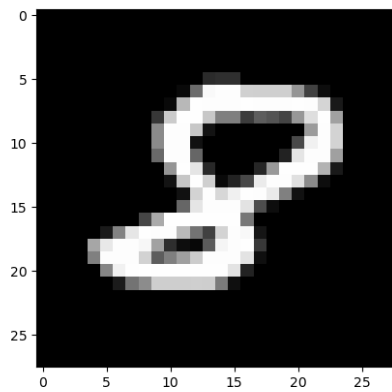


Figure 1 Original Input

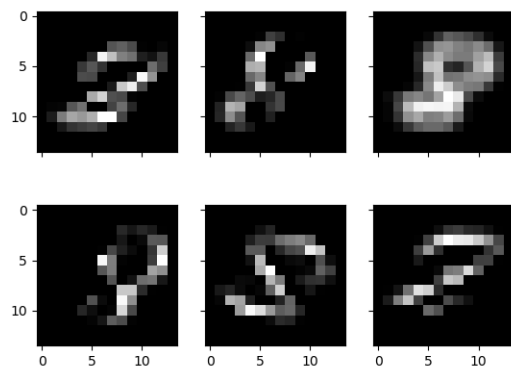


Figure 2 Layer 1 features

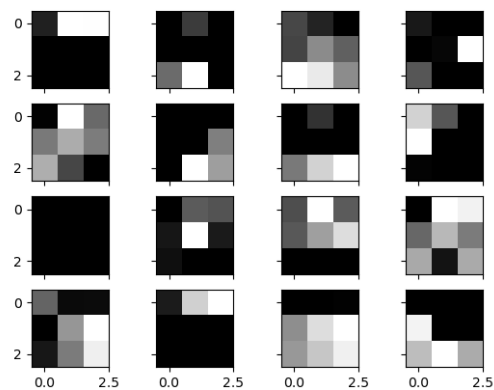


Figure 3 Layer 2 features