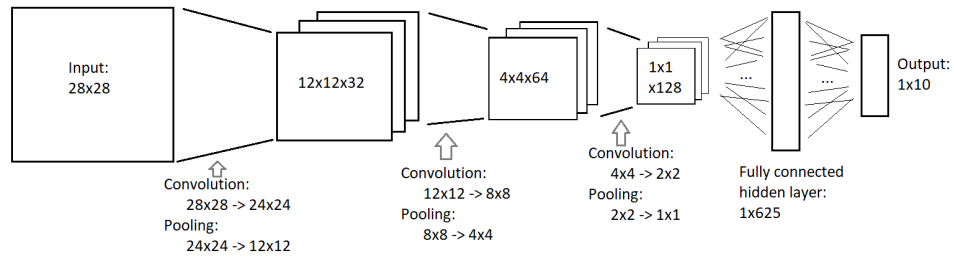


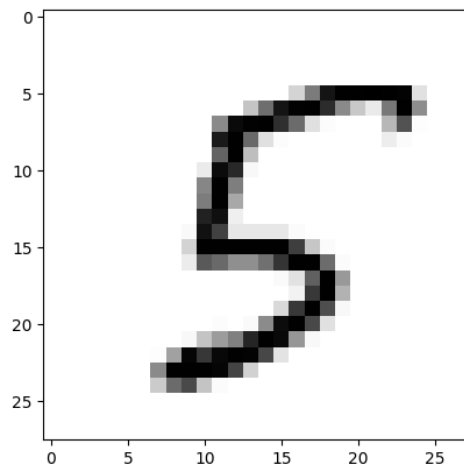
See the notebooks for answers to exercises 1-3.

Exercise 4: CNN

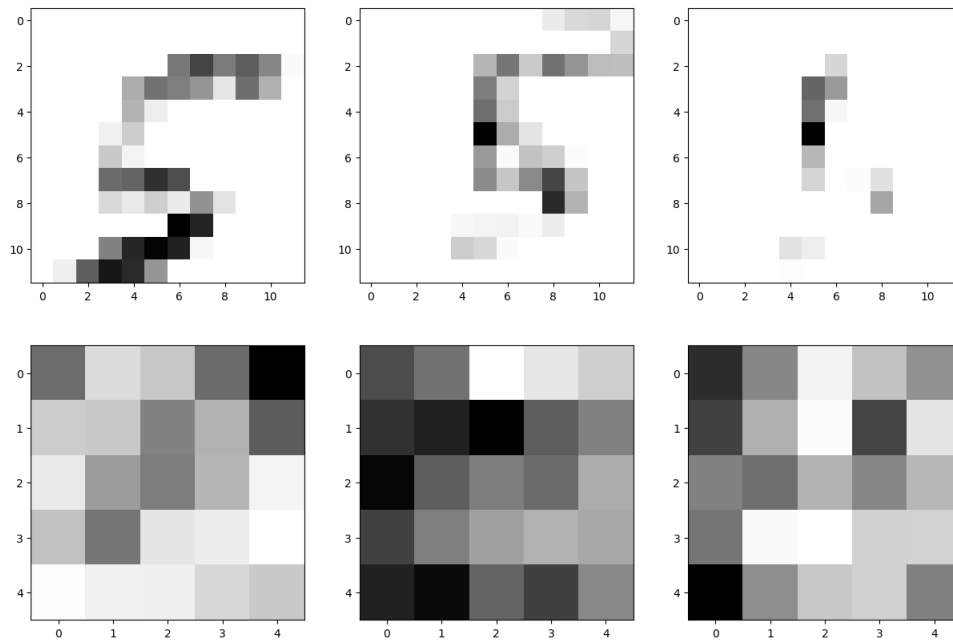
Network sketch



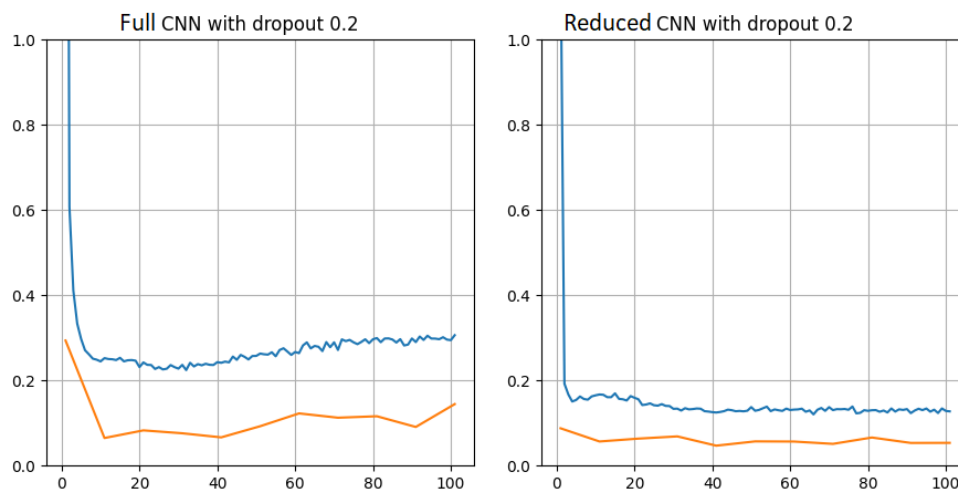
Sample image from test set



Three filters applied



Removing one convolutional layer



The blue line is the training error and the orange line is the test error. The smaller network actually performed better than the initial one. This suggests that the proposed architecture is too large for the task at hand.