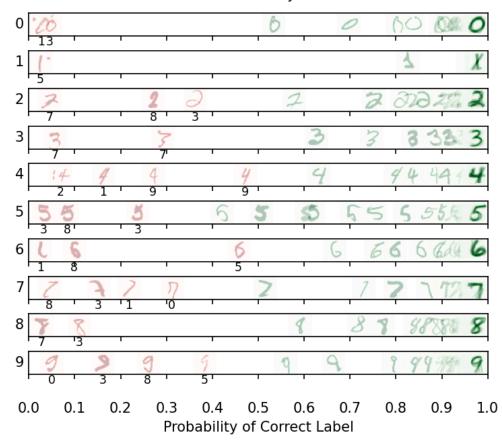
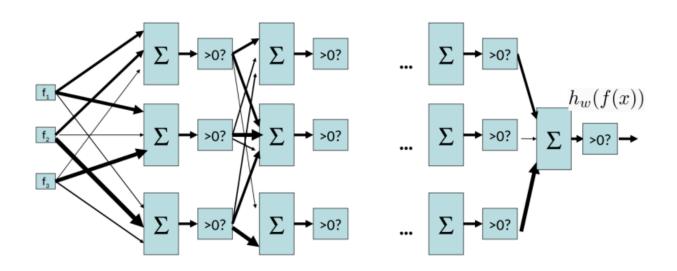
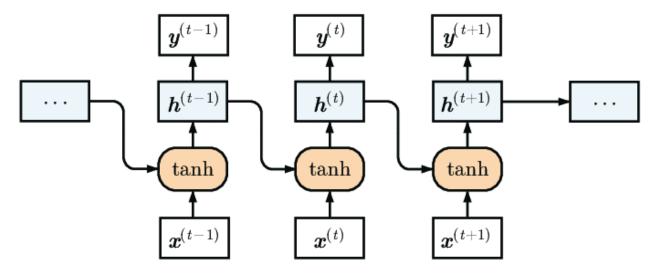
validation accuracy: 97.62%







```
class DigitConvolutionalModel(Module):
A model for handwritten digit classification using the MNIST dataset.
This class is a convolutational model which has already been trained on MNIST.
on the mnist dataset given the pretrained weights.
Note that this class looks different from a standard pytorch model since we don't need to train it
as it will be run on preset weights.
    self.convolution weights = Parameter(ones((3, 3)))
     """ YOUR CODE HERE ""
    self.layer1 = Linear(676,32)
    self.layer2 = Linear(32,10)
    self.optimizer = optim.Adam(self.parameters(), lr = 0.005)
def run(self, x):
    return self(x)
def forward(self, x):
    a regular 1-dimentional datapoint now, similar to the previous questions.
    x = x.reshape(len(x), 28, 28)
    x = stack(list(map(lambda sample: Convolve(sample, self.convolution_weights), x)))
    x = x.flatten(start_dim=1)
    return self.layer2(relu(self.layer1(x)))
def get_loss(self, x, y):
```

