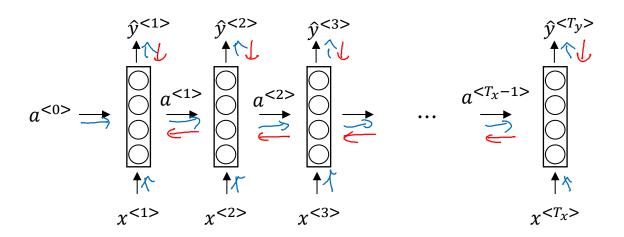


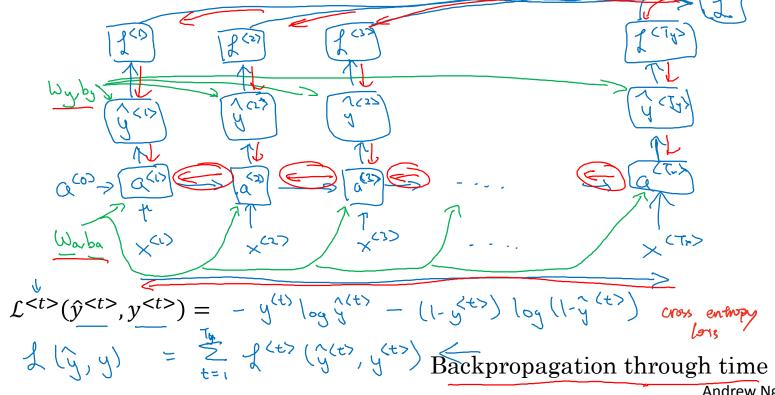
## Recurrent Neural Networks

Backpropagation through time

## Forward propagation and backpropagation



Forward propagation and backpropagation



Andrew Ng