



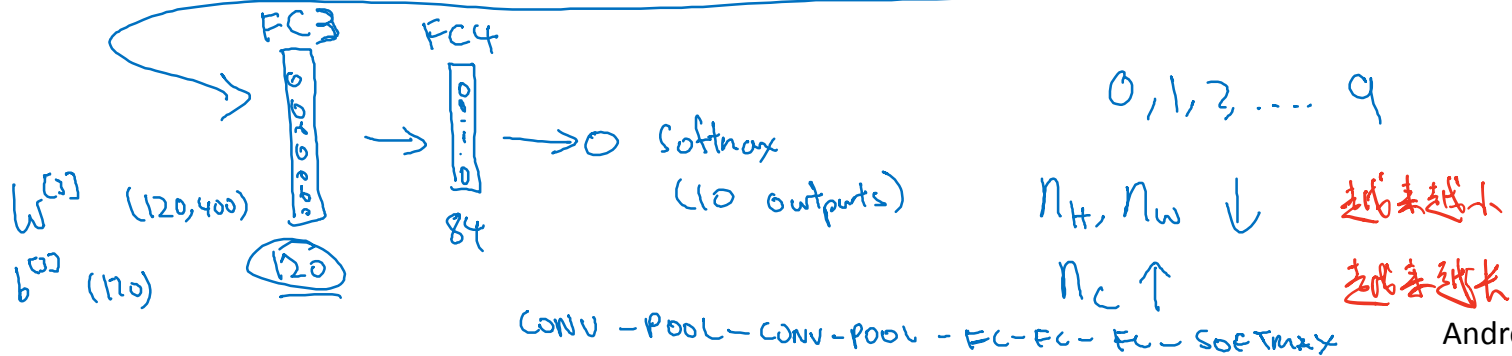
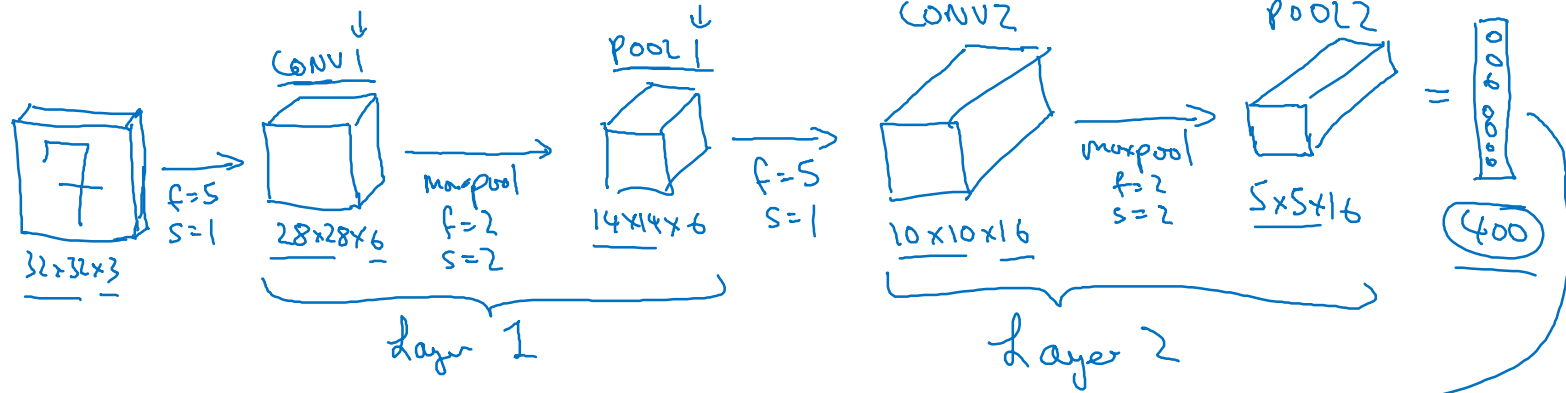
deeplearning.ai

Convolutional Neural Networks

Convolutional neural network example

Neural network example

Inspired by
(LeNet-5)



Neural network example

	Activation shape	Activation Size	# parameters
Input:	(32,32,3)	— 3,072 $a^{[0]}$	0
CONV1($f=5, s=1$)	(28,28,8)	<u>6,272</u>	608 ←
POOL1	(14,14,8)	<u>1,568</u>	0 ←
CONV2($f=5, s=1$)	(10,10,16)	<u>1,600</u>	3,216 ←
POOL2	(5,5,16)	<u>400</u>	0 ←
FC3	(120,1)	<u>120</u>	48,120 } 参数主
FC4	(64,1)	<u>64</u>	10,164 } 参数在这
Softmax	(10,1)	<u>10</u>	850