

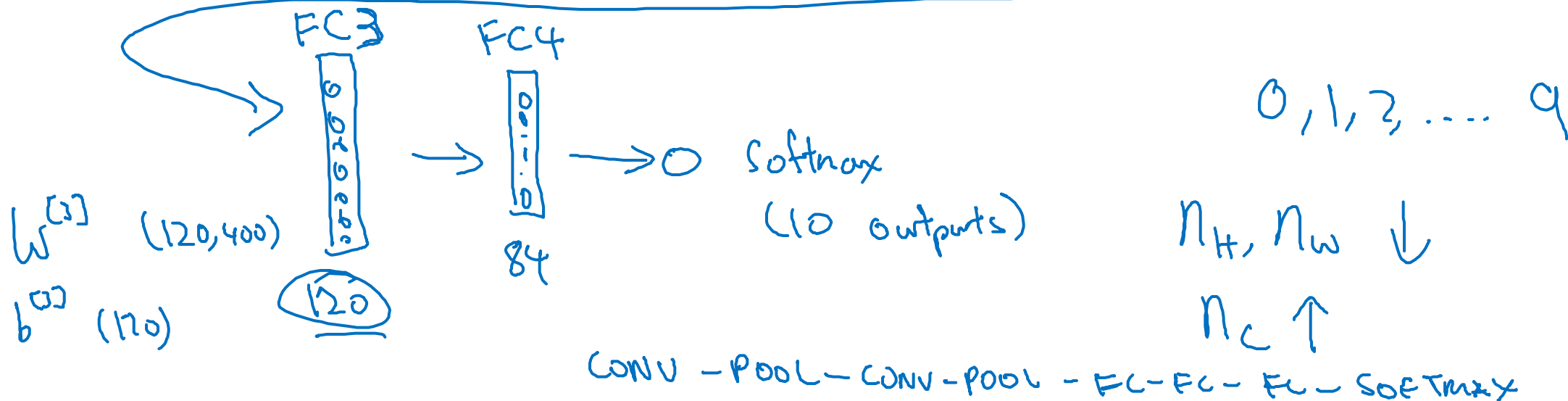
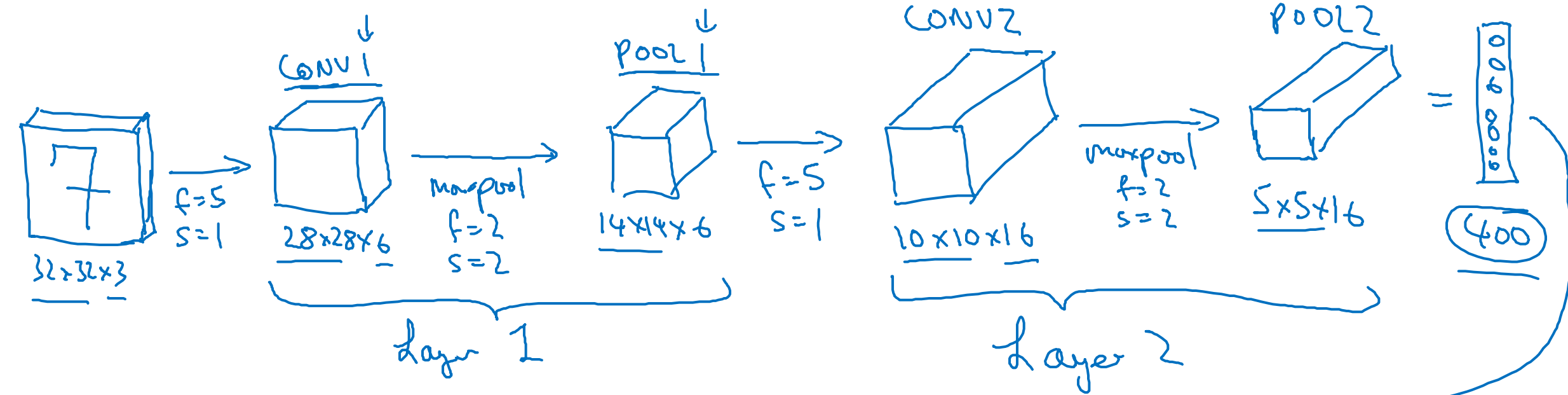


deeplearning.ai

Convolutional Neural Networks

Convolutional neural network example

Neural network example (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>	208 ←
POOL1	(14,14,8)	<u>1,568</u>	0 ←
CONV2 (f=5, s=1)	(10,10,16)	<u>1,600</u>	416 ←
POOL2	(5,5,16)	<u>400</u>	0 ←
FC3	(120,1)	<u>120</u>	48,001 } }
FC4	(84,1)	<u>84</u>	10,081 } }
Softmax	(10,1)	<u>10</u>	841