

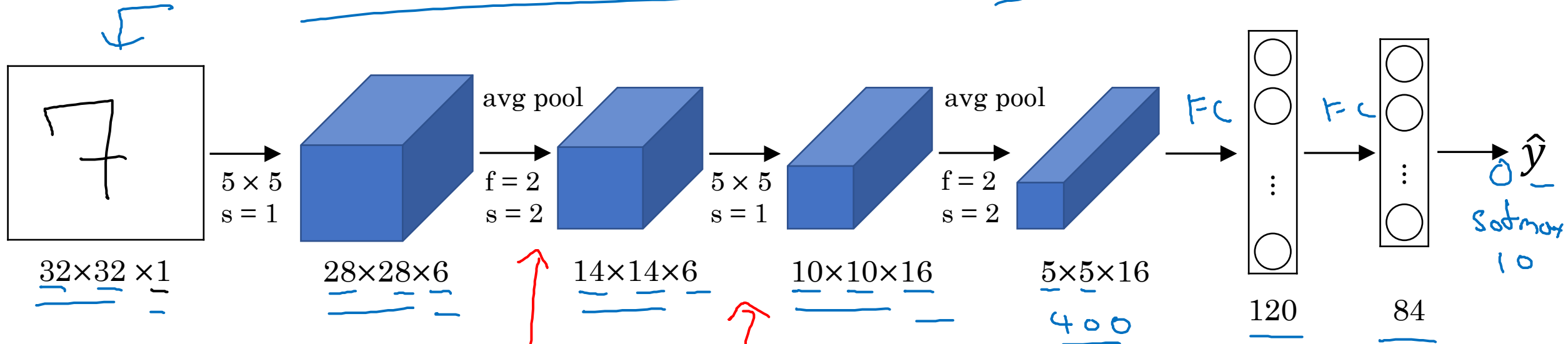


deeplearning.ai

Case Studies

Classic networks

LeNet - 5



60K parameters.

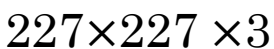
$n_H, n_W \downarrow$ $n_C \uparrow$

conv pool conv pool fc fc output

Advanced: sigmoid/tanh ReLU

II, III.

↓



13×13 ×384

13×13 ×384

13×13 ×256

$$6 \times 6 \times 256$$

9216

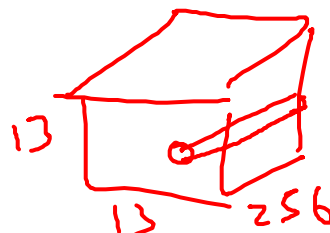
4096

4096

Softmax
1000

- 9216

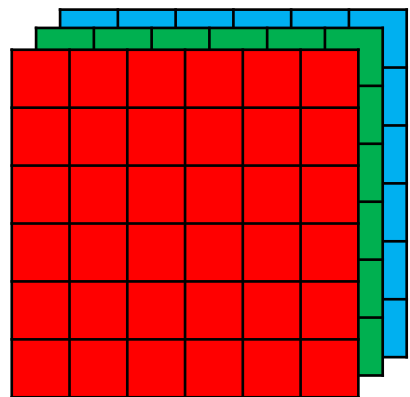
60M parameter



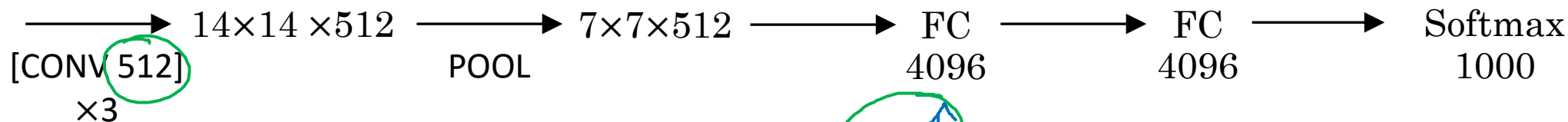
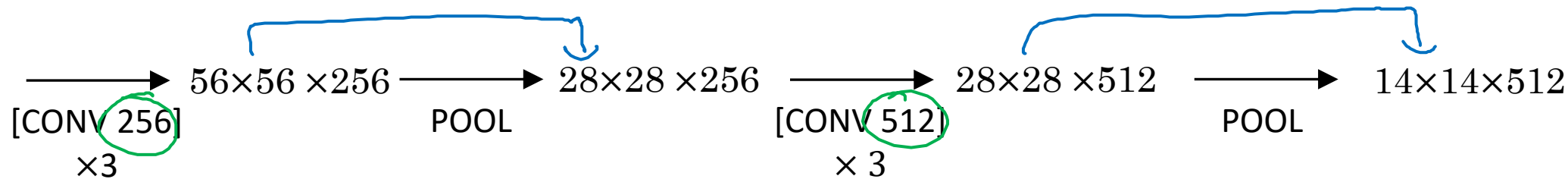
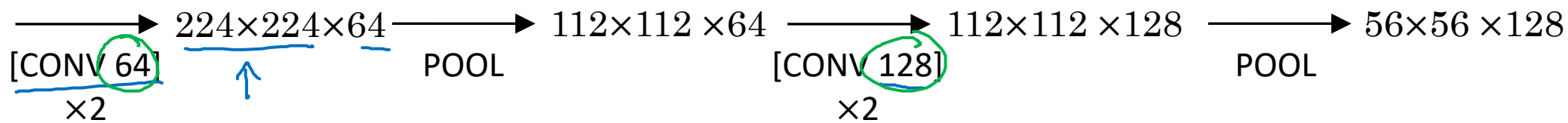
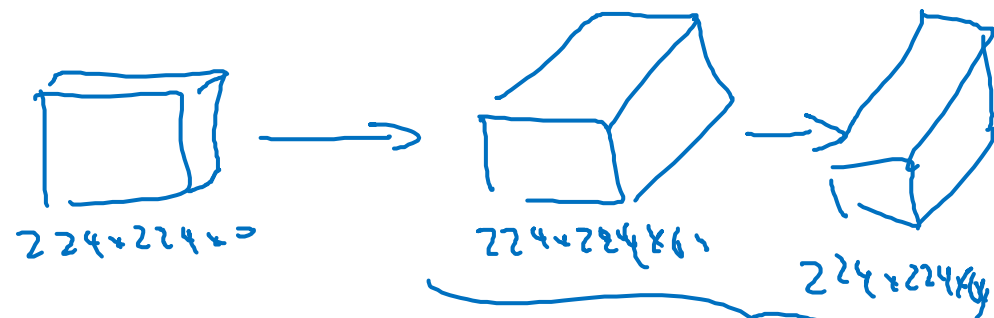
VGG - 16

CONV = 3x3 filter, s = 1, same

MAX-POOL = 2x2, s = 2



VGG-19



$n_h, n_w \downarrow$

$n_c \uparrow$

~138M