



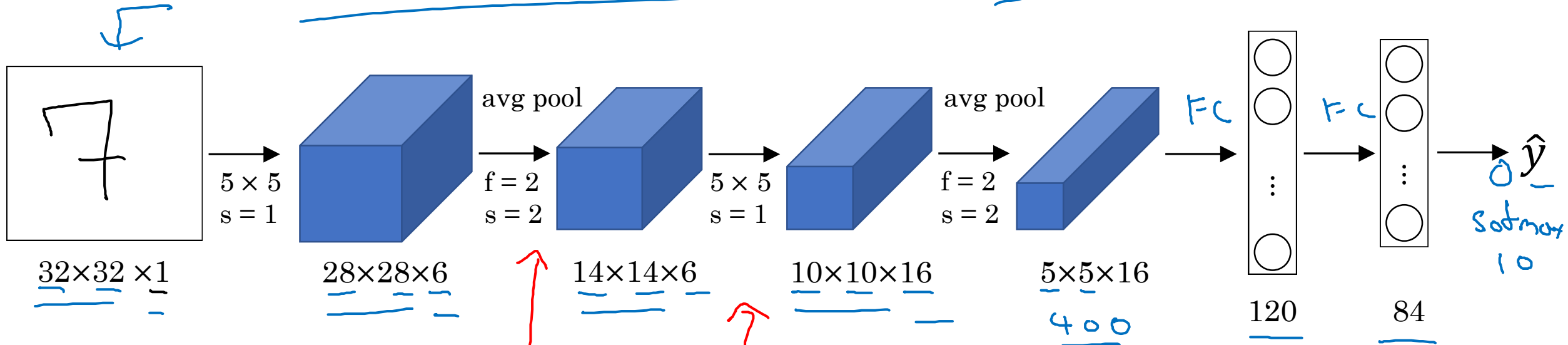
deeplearning.ai

# Case Studies

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## Classic networks

# LeNet - 5



60K parameters.

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

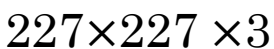
conv pool conv pool fc fc output

Advanced: sigmoid/tanh ReLU

II, III.

↓

## A 6x6 grid of red squares. To the right of the grid is a vertical column of 6 green squares. Above the grid is a horizontal row of 6 blue squares, and to the right of the grid is a vertical column of 6 blue squares, forming an L-shaped border around the top and right sides of the red grid.



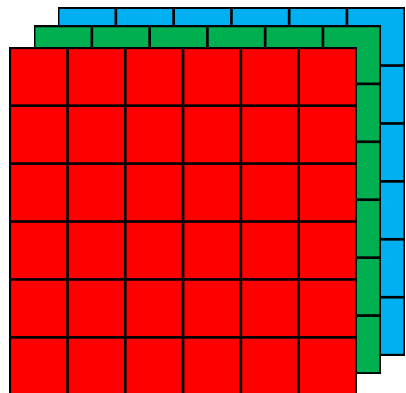
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- A hand-drawn red diagram of a rectangular prism. The dimensions are labeled: the front-left vertical edge is labeled '13', the bottom-left horizontal edge is labeled '13', and the bottom-right receding edge is labeled '256'.



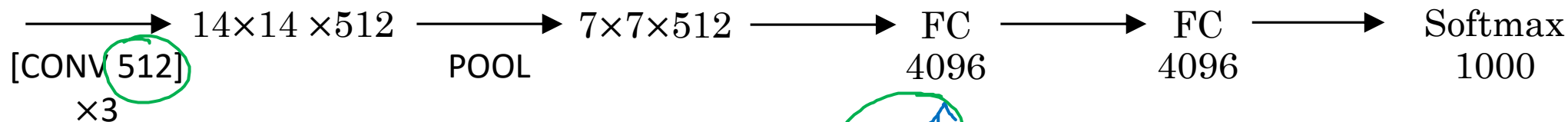
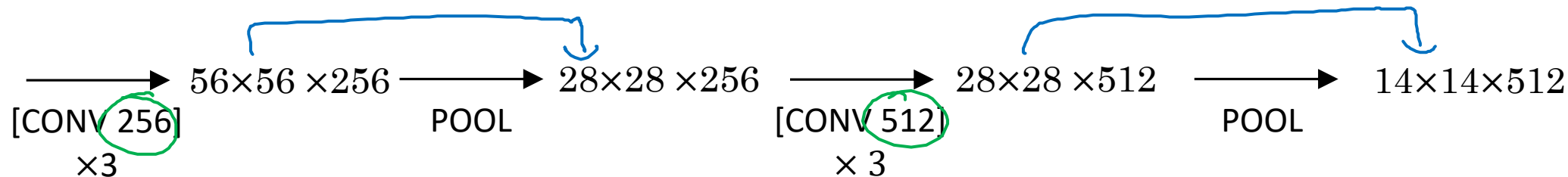
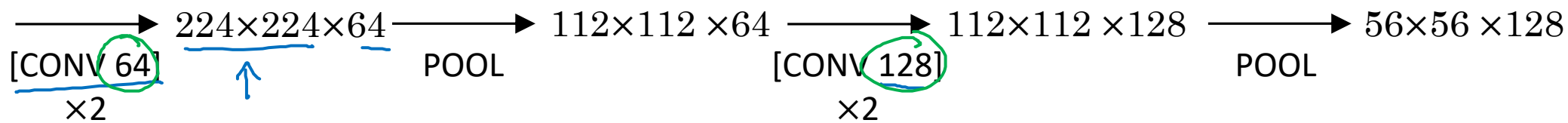
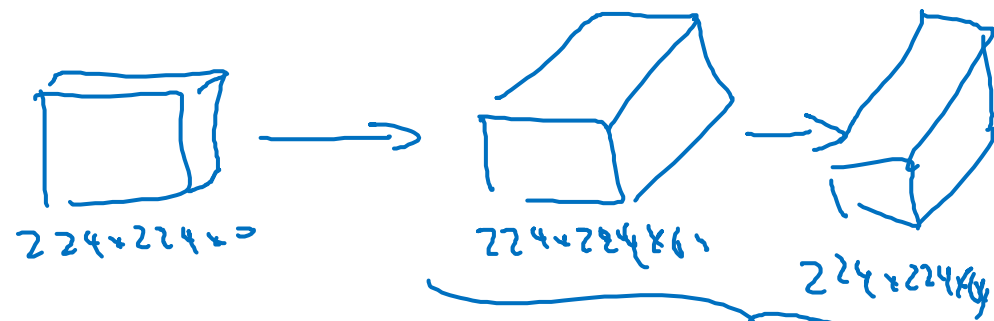
# VGG - 16

CONV = 3x3 filter, s = 1, same

MAX-POOL = 2x2, s = 2



VGG-19



$n_h, n_w \downarrow$

$n_c \uparrow$

~138M