Case Studies

Inception network

deeplearning.ai

Inception module

Previous Activation
$28 \times 28 \times 192$

1×1 CONV
$28 \times 28 \times 64$

1×1 CONV 96

3×3 CONV
$28 \times 28 \times 128$

1×1 CONV 16

5×5 CONV
$28 \times 28 \times 32$

MAXPOOL $3 \times 3, s = 1$ same
$28 \times 28 \times 192$

1×1 CONV
$28 \times 28 \times 32$
32 filters, $1 \times 1 \times 192$.

Channel Concat
$28 \times 28 \times 256$

Andrew Ng

Inception network

GooLeNet

Softmax
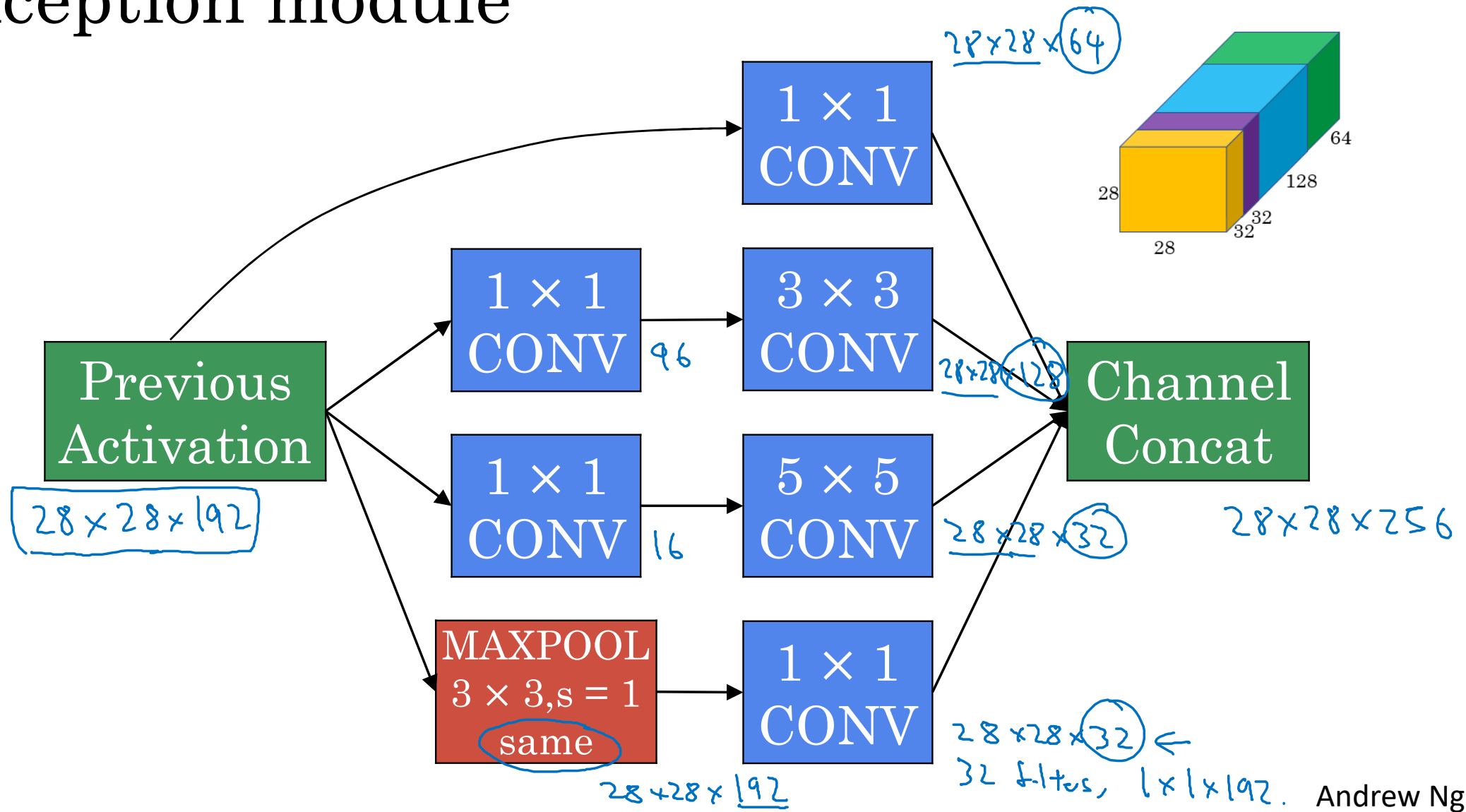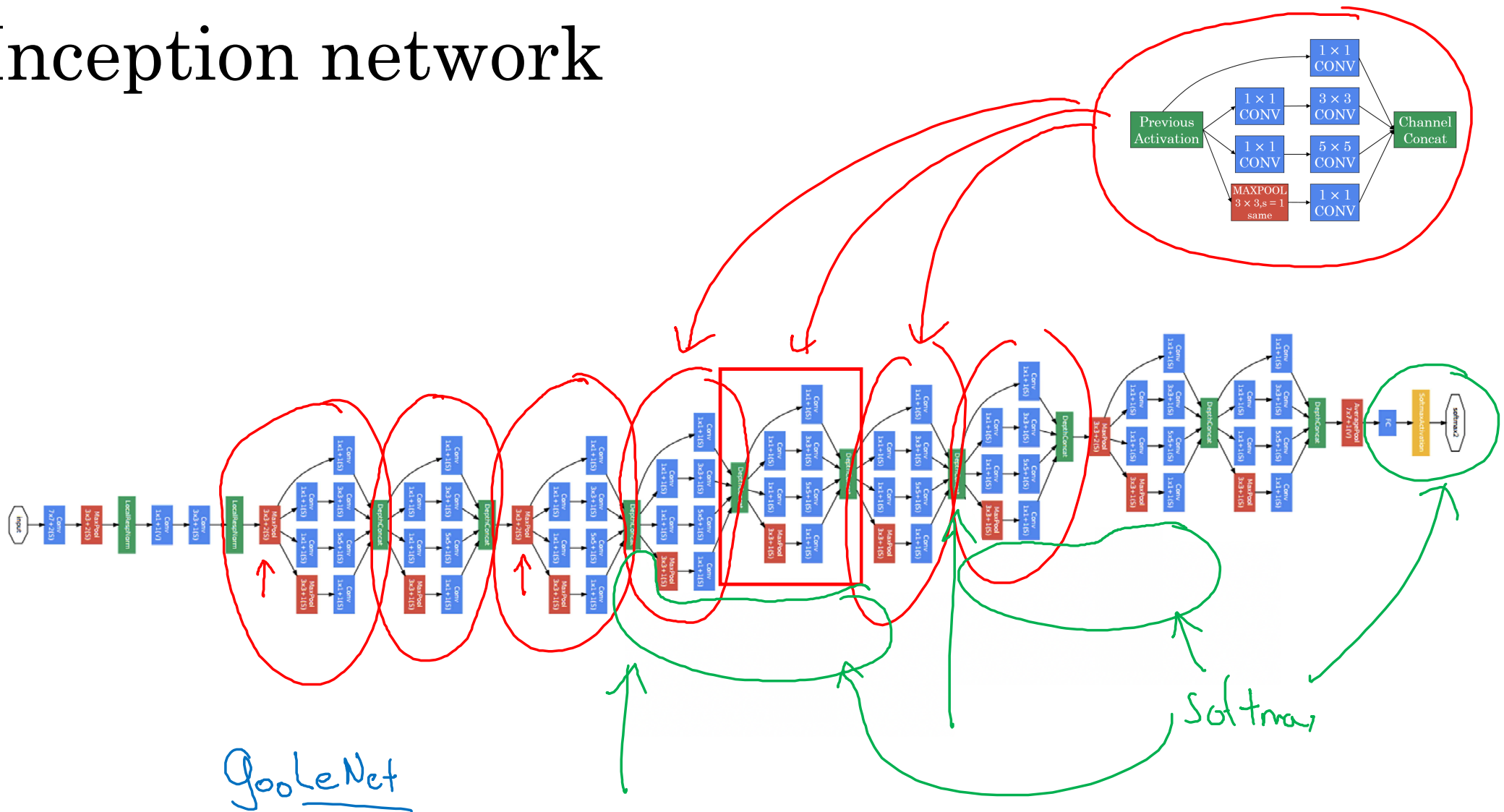
[Szegedy et al., 2014, Going Deeper with Convolutions]

Andrew Ng

http://knowyourmeme.com/memes/we-need-to-go-deeper

Andrew Ng