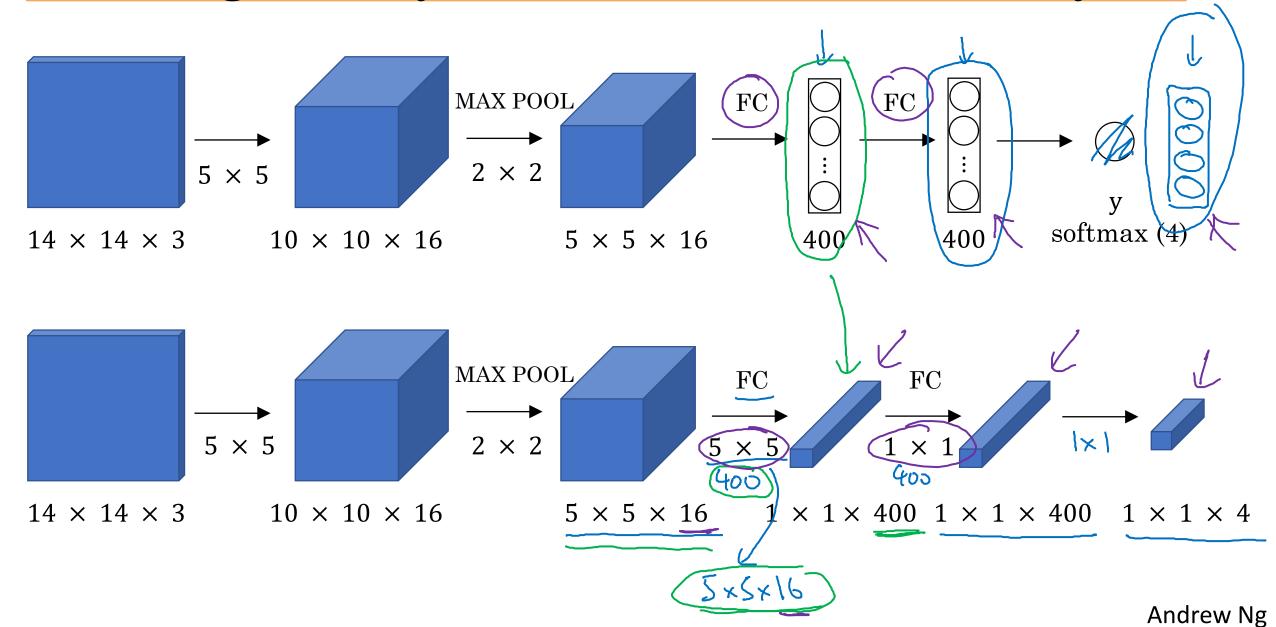


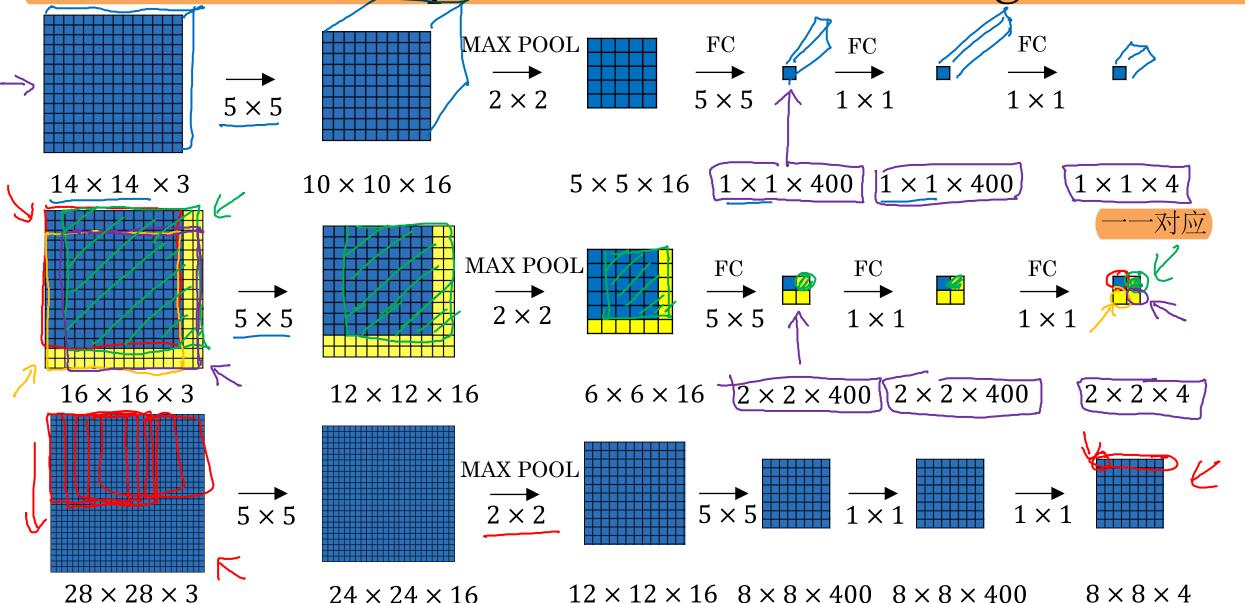
Object Detection

Convolutional implementation of sliding windows

Turning FC layer into convolutional layers



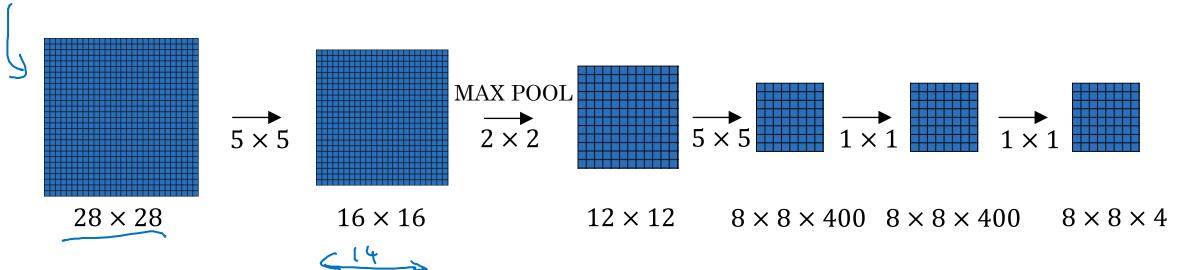
Convolution implementation of sliding windows



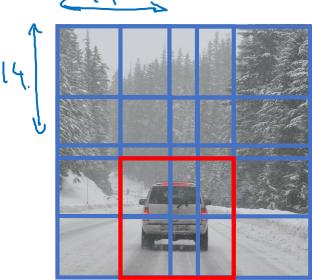
[Sermanet et al., 2014, OverFeat: Integrated recognition, localization and detection using convolutional networks]

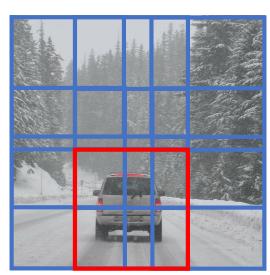
Andrew Ng

Convolution implementation of sliding windows



Doing the Sliding
Windows algorithms
sequentially will be
computationally very
expensive





Implementing the Sliding Windows Algorithms convolutionally will solve the problem and speed up the computation.

All done at the same time, sharing same computations, very efficient.