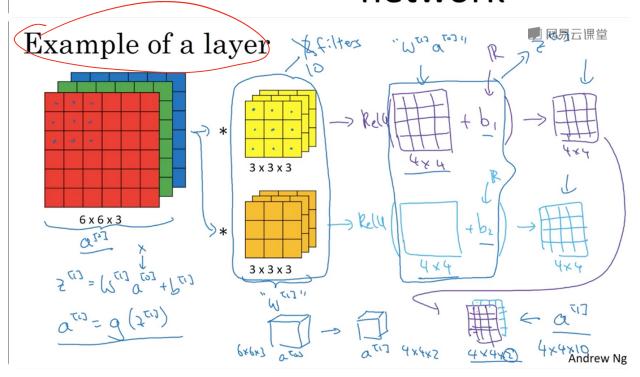


## Convolutional Neural Networks

## One layer of a convolutional network

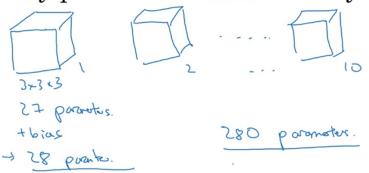


## Number of parameters in one layer

🗾 网易云课堂

(nothing to do with the input stee)

If you have 10 filters that are  $3 \times 3 \times 3$  in one layer of a neural network, how many parameters does that layer have?

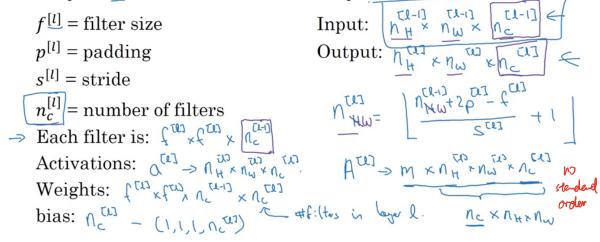


Andrew Ng

## Summary of notation

■ 网易云课堂

If layer l is a convolution layer:



Andrew Ng