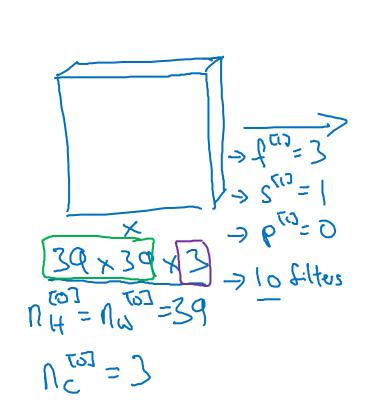
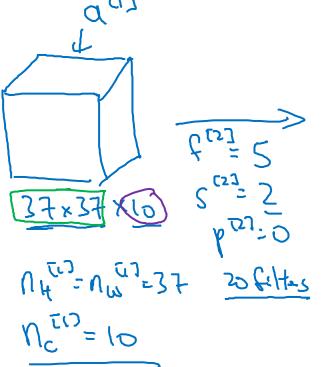


## Convolutional Neural Networks

A simple convolution network example

Example ConvNet





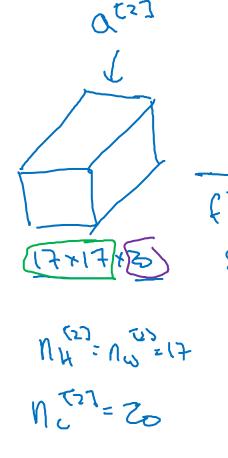
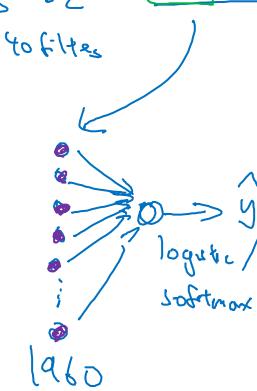


Image size gradually trend down as you do deeper in your networks.

Whereas the number of channels will generally increase.



A lot of the work in designing a convolutional neural network is selecting hyperparameters like these...

$$\frac{n+2p-f}{5} + 1 = 37$$

## Types of layer in a convolutional network:

```
- Convolution (CONV) ←
- Pooling (POOL) ←
- Fully connected (FC) ←
```