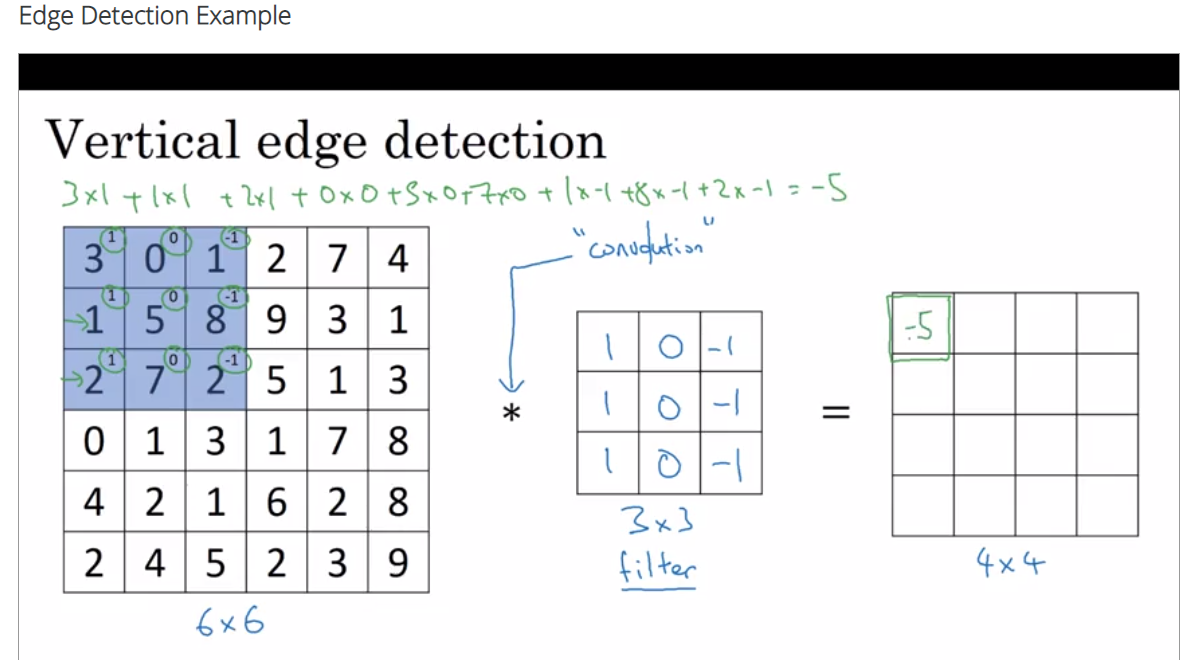
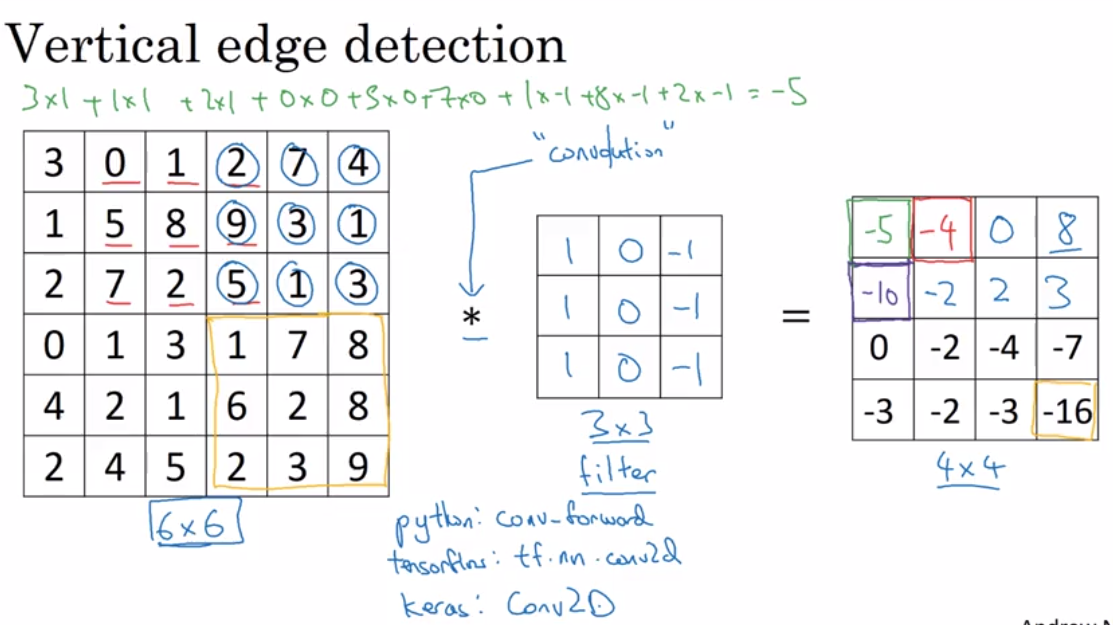
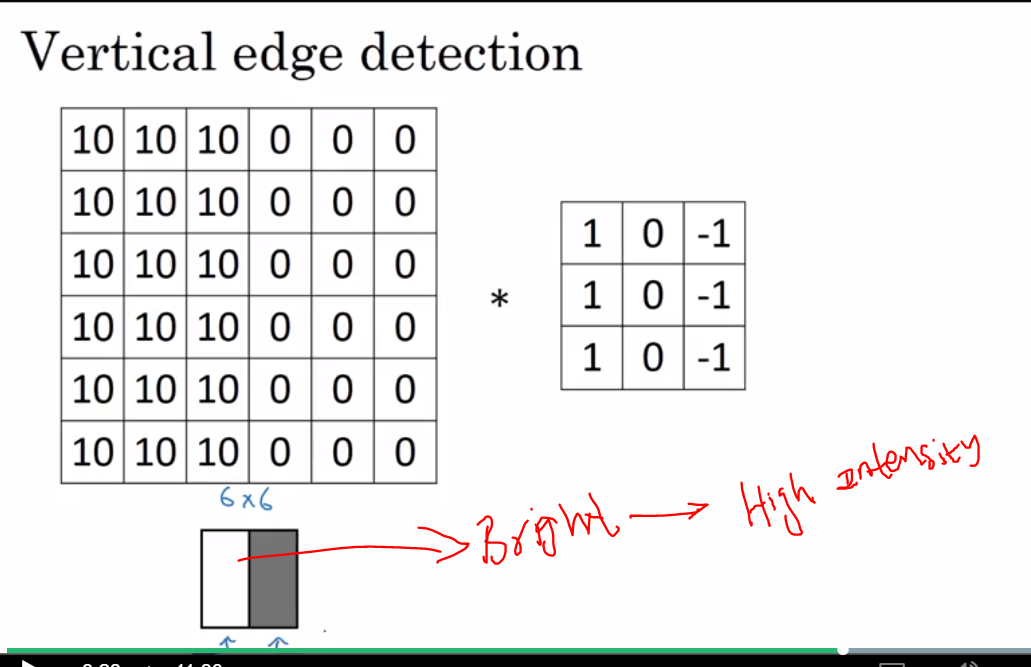


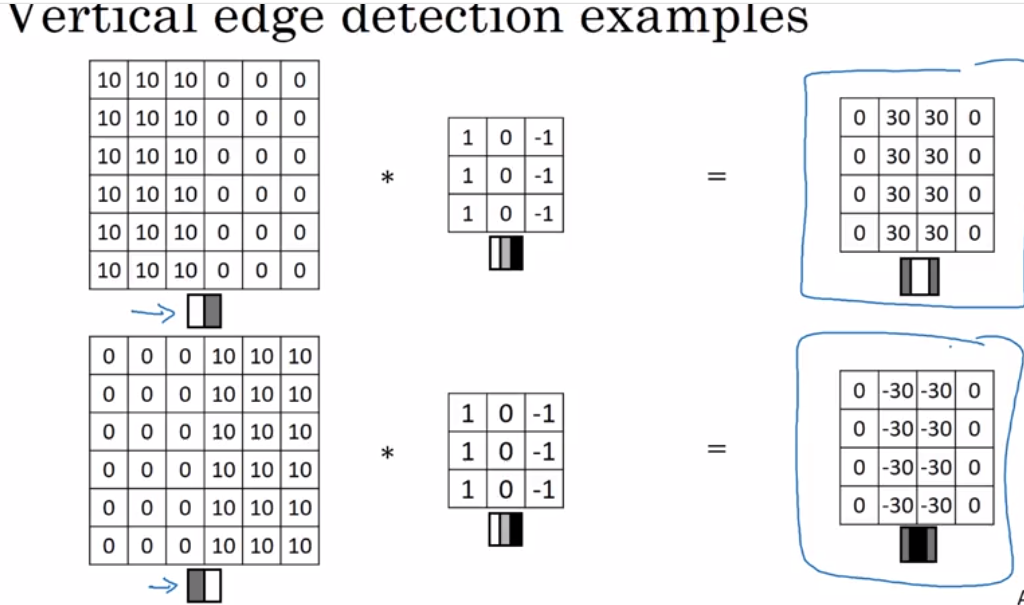
This is without conv NN -----🡪so we have 1 billion params to compute if we go normal NN procesdure

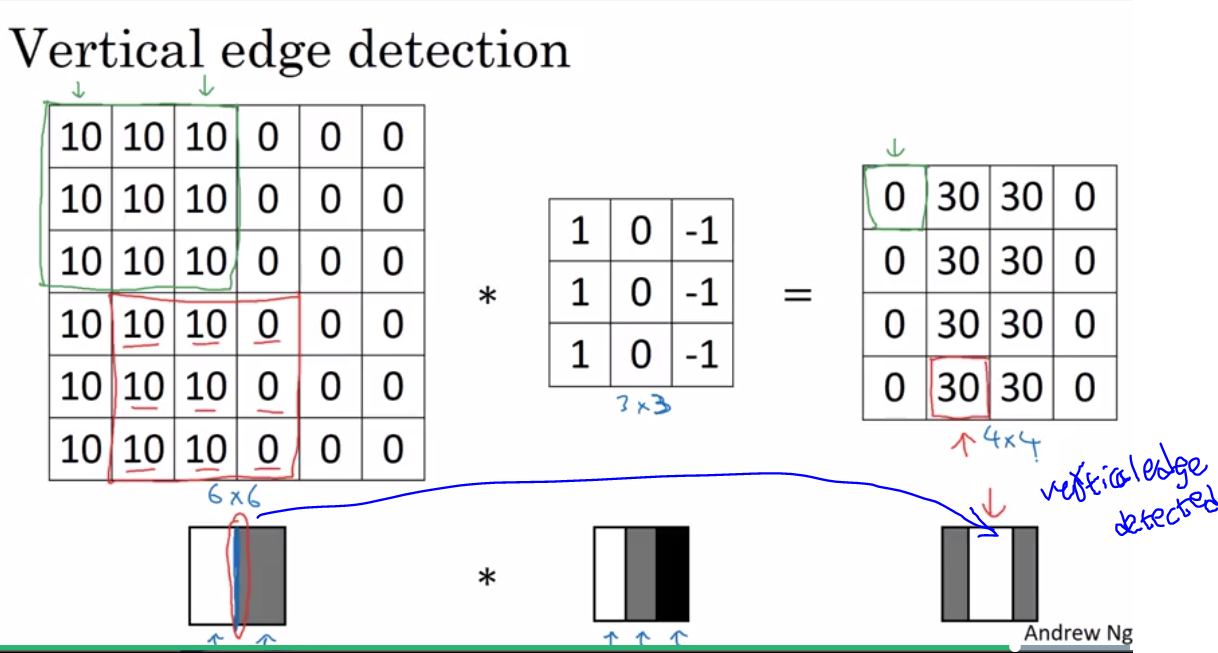
**CONVOLUTION**:

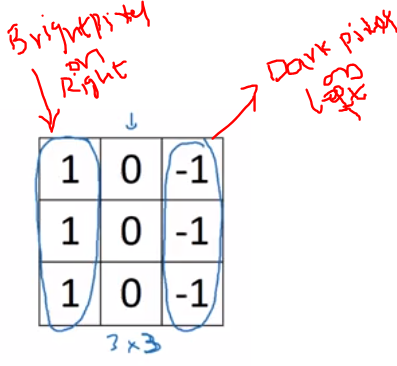


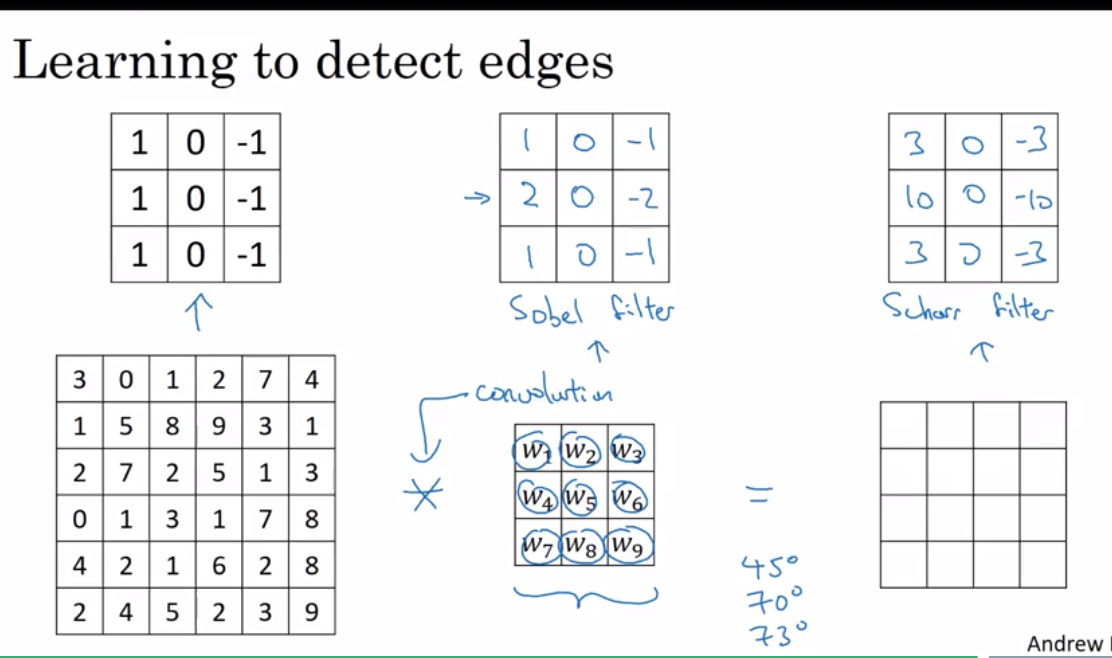








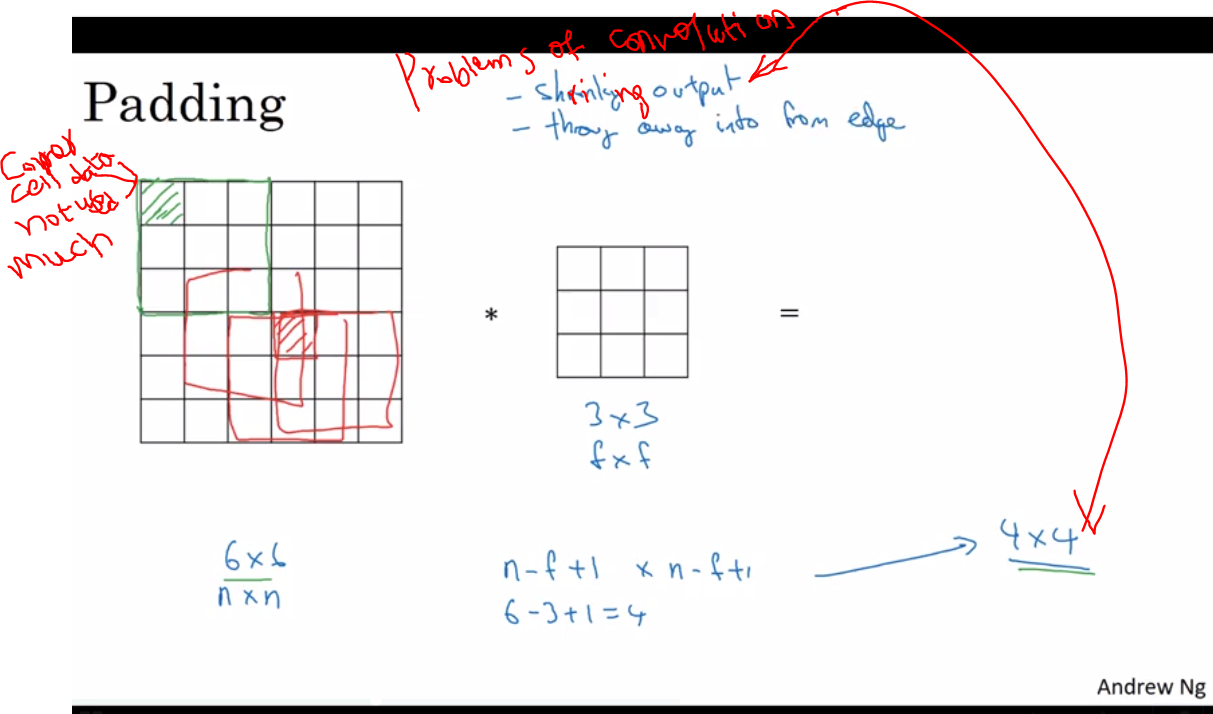


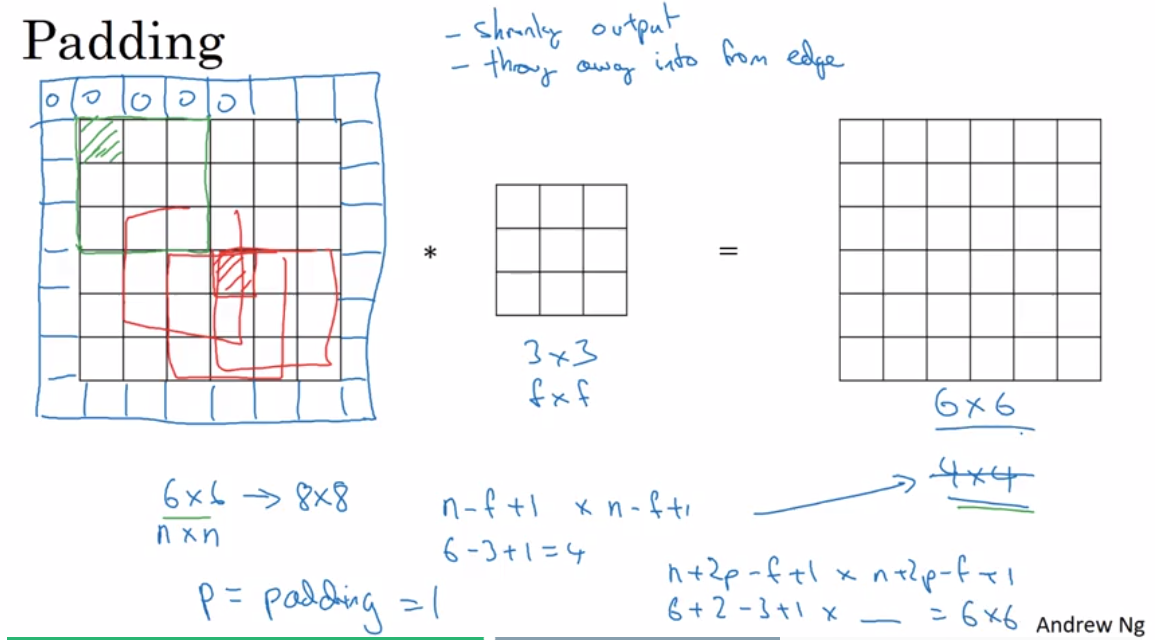


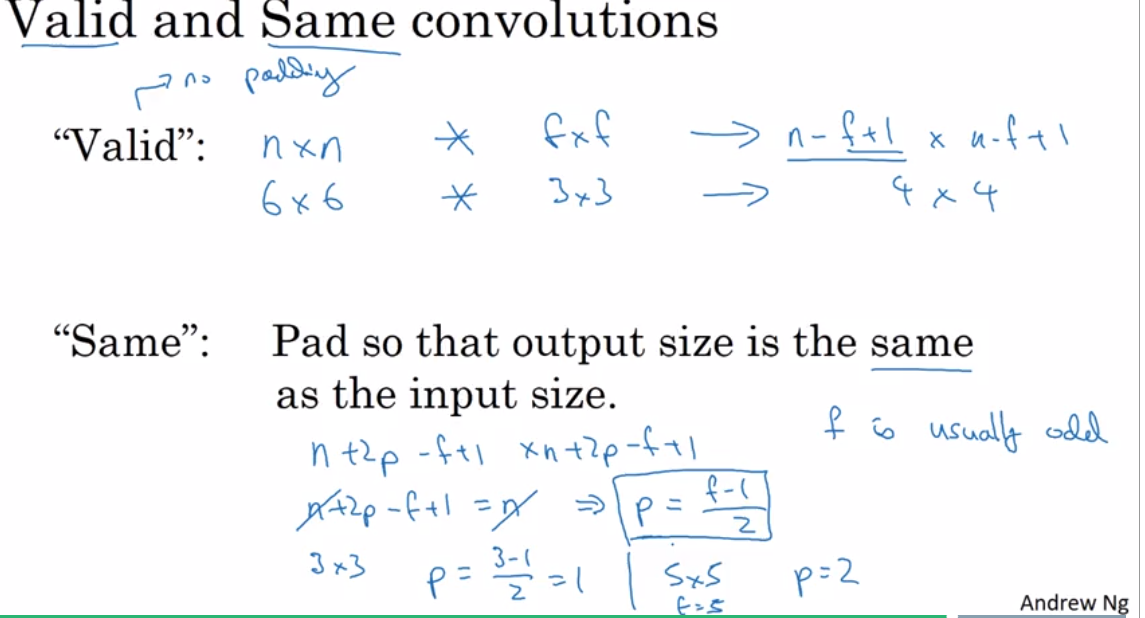
45,70,73 dgeree orientation of image can be detetcted by selecring proper w1 to w9 of kernel

**Note: in CNN these w1 to w9 weights we need to learn using Back propagation**

**PADDING:**







**If P=0 ------🡪 don’t pad ,then you may loose data for each conv**

**If p=1-🡪 Pad such that Input image has dimension after convolution too**

**STRIDE CONV:**