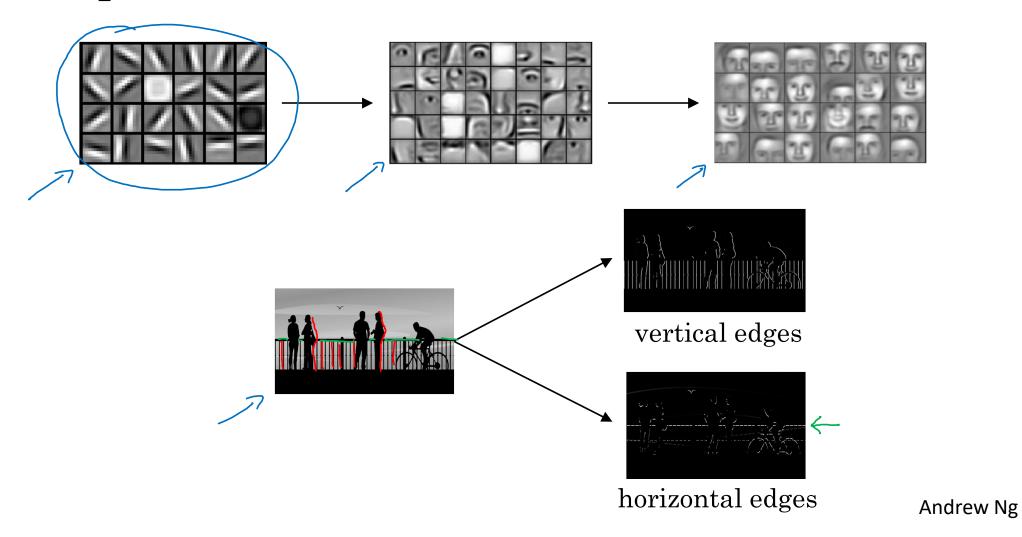


Convolutional Neural Networks

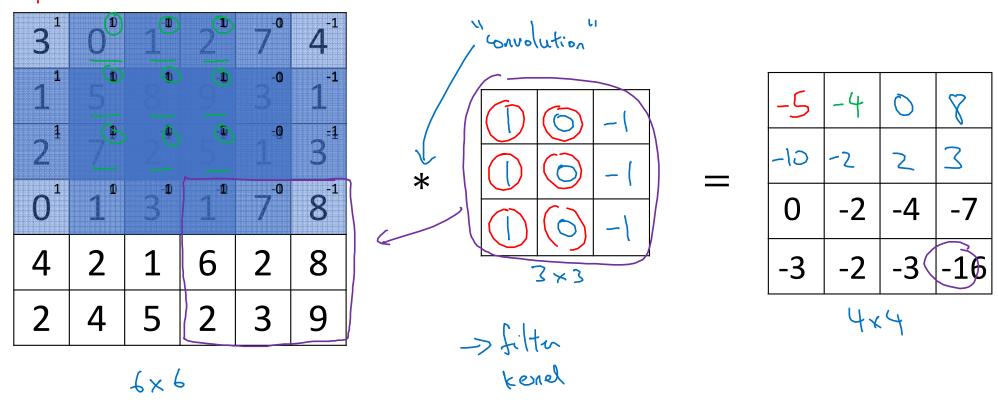
Edge detection example

Computer Vision Problem

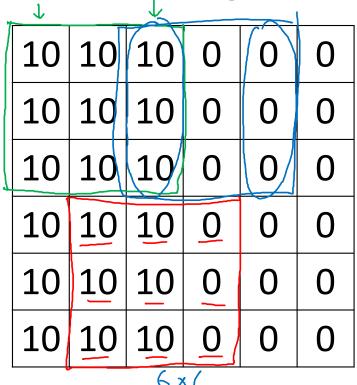


Vertical edge detection

103x1 + 1x1 +2+1 + 0x0 + 5x0 +7x0+1x+ +8x-1+2x-1=-5

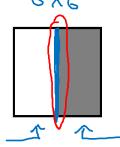


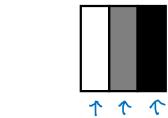
Vertical edge detection



		J	
	1	0	<u>-1</u>
*	1	0	-1
	1	0	-1
		7×3	

<u> </u>	_				
0	30	30	0		
0	30	30	0		
0	30	30	0		
0	30	30	0		
14x4					





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