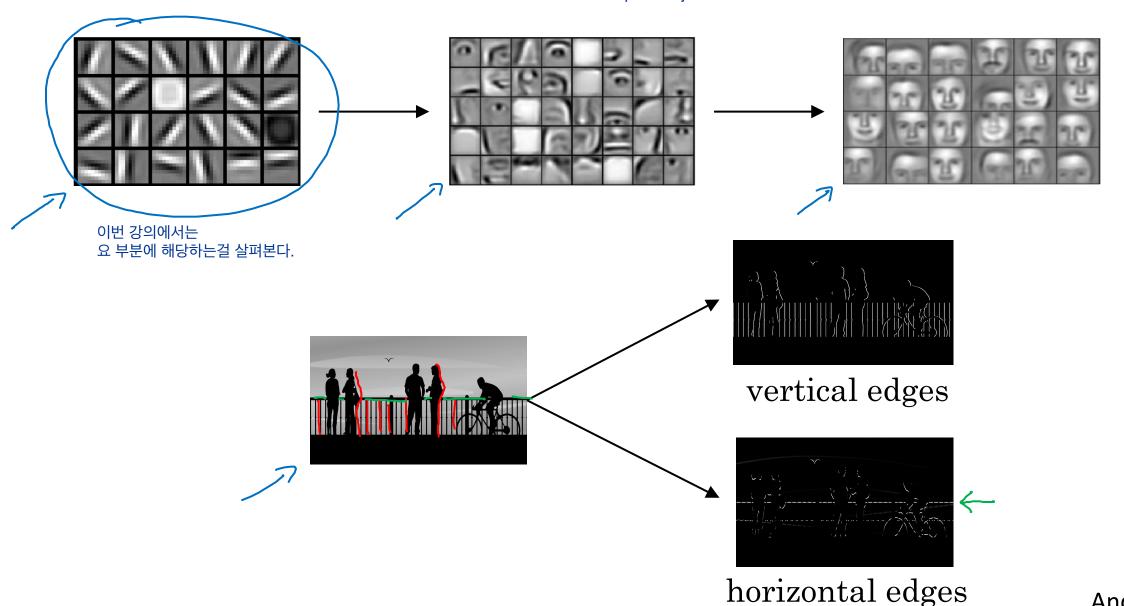


Convolutional Neural Networks

의 기본 빌딩 블록은 convolutaional operation이다.

Edge detection example

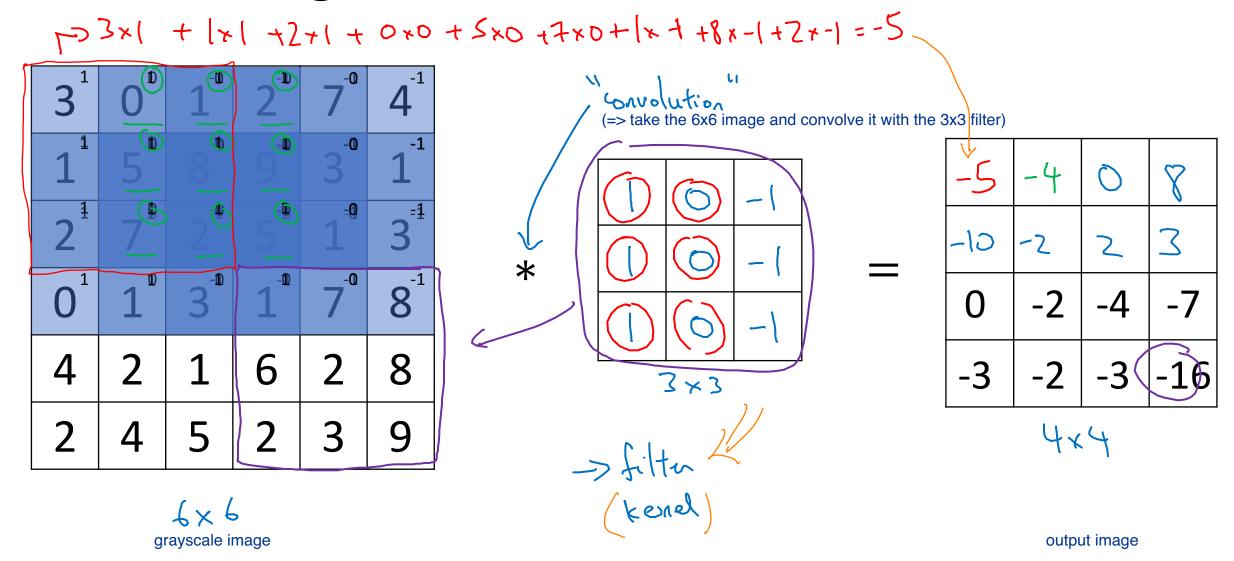
을 통해 convolutional operation이 어떻게 동작하는지 알아보자.



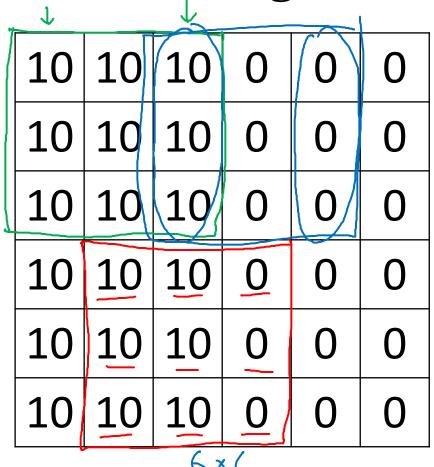
- tensorflow: tf.nn.conv2d

- keras: Conv2D

Vertical edge detection



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						

Andrew Ng

