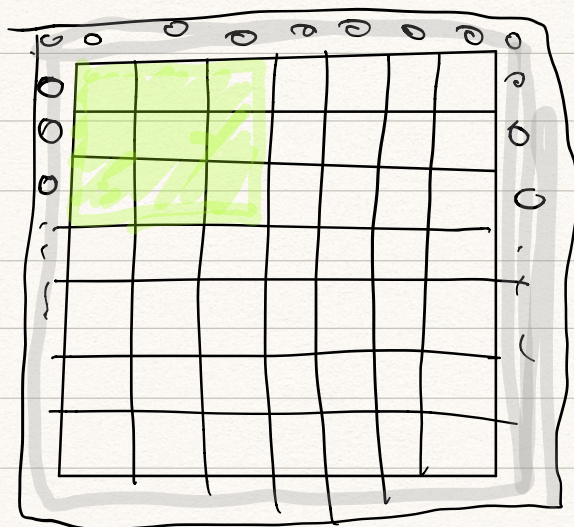


if) stride=2  $\Rightarrow$  3x3 "

⊗ Output size =  $(N - F) / \text{stride} + 1$ .

⊗ 입력을 가장자리까지 0을 padding해줄.

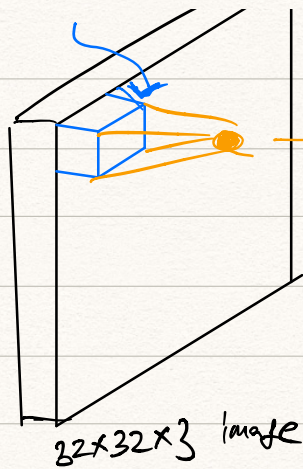


input  $N \times N$   
 3x3 filter, stride 1 일때,  
 $\Rightarrow$  Output이  $N \times N$ 이 나와.  
 $\therefore$  padding을 이용해  
 입력 크기 = 결과 크기 맞춰준다.

filter







convolution  
layer

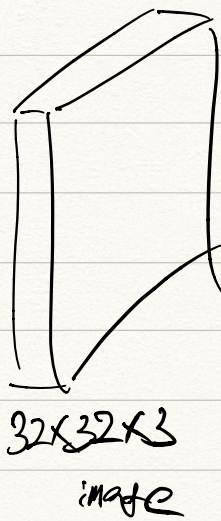


activation map  
(28, 28, 6)



예제) 6개 layer의 pooling 연산  
결과

## ⊗ Convolution Layers



CONV,  
ReLU  
ch. 6  
5x5x3  
filters



CONV,  
ReLU  
ch. 10  
5x5x6  
filters

