

Input 2x2

x1	x2
x3	x4

Kernel 3x3

w1	w2	w3
w4	w5	w6
w7	w8	w9

Padding = (0,0)  
Strides = (2,2)

The output will be  $(2-1) \times 2 + 3 - 2 \times 0$  in each side  $\Rightarrow 5 \times 5$

x1w1	x1w2	x1w3		
x1w4	x1w5	x1w6		
x1w7	x1w8	x1w9		

+

		x2w1	x2w2	x2w3
		x2w4	x2w5	x2w6
		x2w7	x2w8	x2w9

+

x3w1	x3w2	x3w3		
x3w4	x3w5	x3w6		
x3w7	x3w8	x3w9		

+

		x4w1	x4w2	x4w3
		x4w4	x4w5	x4w6
		x4w7	x4w8	x4w9

= Output  
5x5