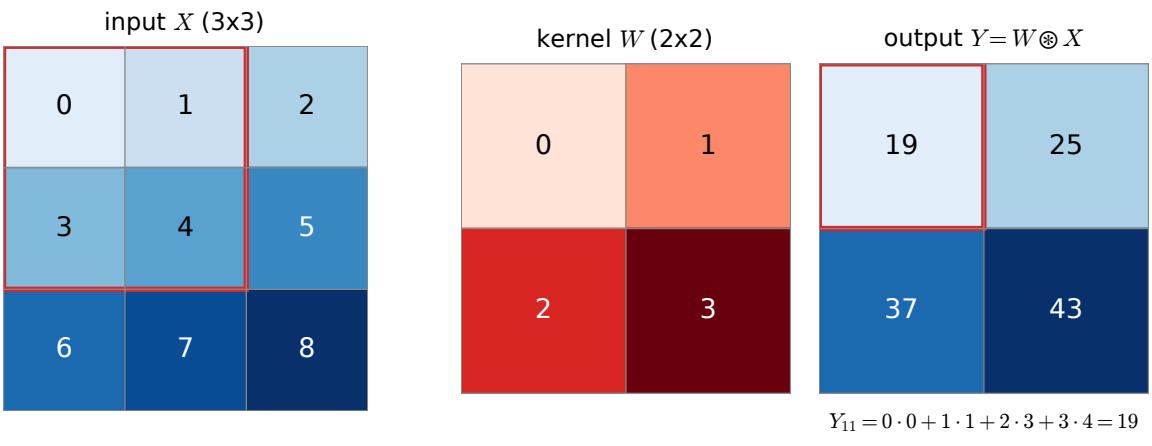

input X (3x3)
0
1
2
3
4
5
6
7
8
kernel W (2x2)
0
1
2
3
output $Y = W \circledast X$
19
25
37
43
$Y_{11} = 0 \cdot 0 + 1 \cdot 1 + 2 \cdot 3 + 3 \cdot 4 = 19$