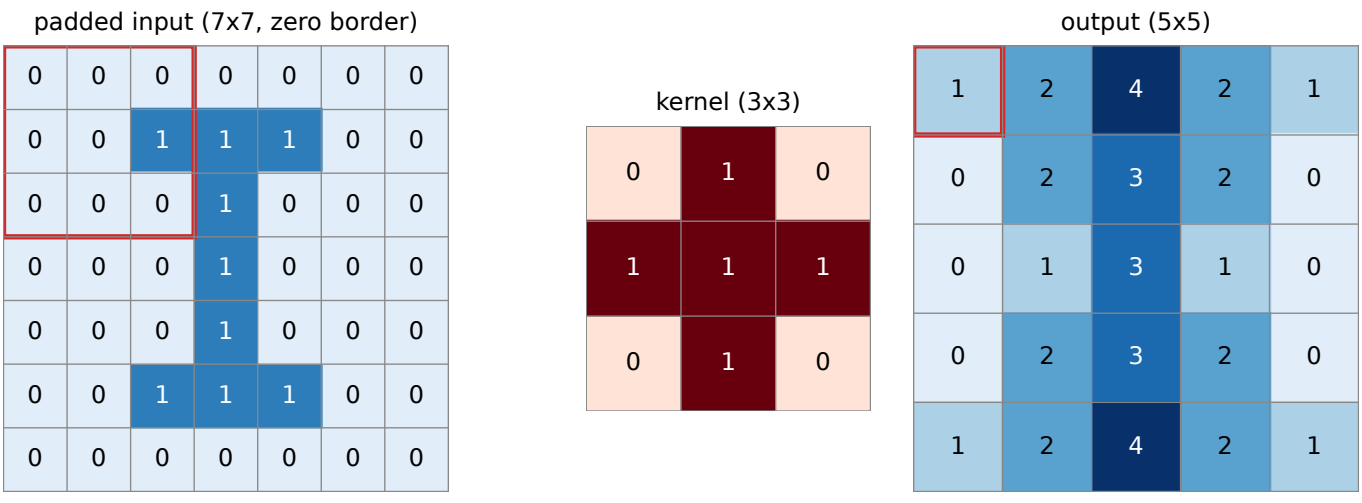

padded input (7x7, zero border)
0 0 0 0 0 0 0
0 0 1 1 1 0 0
0 0 0 1 0 0 0
0 0 0 1 0 0 0
0 0 0 1 0 0 0
0 0 1 1 1 0 0
0 0 0 0 0 0 0
kernel (3x3)
0 1 0
1 1 1
0 1 0
output (5x5)
1 2 4 2 1
0 2 3 2 0
0 1 3 1 0
0 2 3 2 0
1 2 4 2 1