
input X
0
1
2
3
kernel K
0
1
2
3
stamps of $X_{01}=1$, $X_{10}=2$
0
0
1
0
4
3
4
6
0
stamp of $X_{11}=3$ (and $X_{00}=0$)
0
0
0
0
0
3
0
6
9
sum: output Y (3x3)
0
0
1
0
4
6
4
12
9
$C^\top \mathrm{vec}(X)$ reshaped
0
0
1
0
4
6
4
12
9