

Input

1	4	5	3
6	9	1	6
3	1	2	4
2	1	4	5

Kernel

4	1
2	0

Output

20	25
17	20

$\rightarrow 4 \times 3 + 1 \times 1 + 2 \times 2 + 0 \times 1 = 17$