

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

Input 5×5

Kernel 1

0.1	0.2	0.3
0.1	0.2	0.3
0.1	0.2	0.3

Kernel 2

-0.1	-0.1	-0.1
0.1	0.1	0.1
0.0	0.0	0.0

Feature Map 1

13.2	15	16.8
22.2	24	25.8
31.2	33	34.8

13.3	15.1	16.9
22.3	24.1	25.9
31.3	33.1	34.9

Feature Map 2

1.5	1.5	1.5
1.5	1.5	1.5
1.5	1.5	1.5

1.7	1.7	1.7
1.7	1.7	1.7
1.7	1.7	1.7

13.3	15.1	16.9	1.7	1.7	1.7
22.3	24.1	25.9	1.7	1.7	1.7
31.3	33.1	34.9	1.7	1.7	1.7

Feature Map

Apply Relu Activation function

24.1	25.9	1.7
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1) stride = 1

2) Bias Term for Kernel 1 = 0.1 ✓

Bias Term for Kernel 2 = 0.2

3) Activation function is Relu. ✓

4) Max pooling is 2×2 with stride = 2

5) Flattening & FC Layer with 2 hidden layer with 2 Neurons in each layer.