

Input

Filter 1

0	1	1	0	1
0	1	1	0	1
0	1	1	0	1
0	1	1	0	1
0	1	1	0	1

1	0	1
1	1	1
0	0	1

Stride = 1
Max Pooling = (0, 2)
Padding = 1

Step 1: Stride = 1 Convolutional operation

Padding →

padding filter

0	0	0	0	0	0	0
0	0	1	1	0	1	0
0	0	1	1	0	1	0
0	0	1	1	0	1	0
0	0	1	1	0	1	0
0	0	1	1	0	1	0
0	0	0	0	0	0	0

2	3	2	3	1
3	4	3	5	1
3	4	3	5	1
3	4	3	5	1
2	3	3	4	1

Filter 2

0	0	1
1	0	0
0	1	1

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Padding & Filter

1	2	2	2	1
2	3	2	3	1
2	3	2	3	1
2	3	2	3	1
1	1	1	2	0

(Padding & Filter 1) + (Padding & Filter 2)

3	5	4	5	2
5	X	5	8	2
5	X	5	8	2
5	X	5	8	2
3	4	4	6	1

Step 2: Max Pooling (2x2)

3	5	5	4	4	5	5	2
5	X	X	5	5	8	8	2

X	X	8	8
X	X	8	8
X	X	8	8
X	X	8	8