

Step 2: Move the overlay right k positions (according to stride parameter) and repeat above calculation for new submatrix

Input (6x6)

4	9	2	5	8	3
5	6	2	4	0	3
2	4	5	4	5	2
5	6	5	4	7	8
5	7	7	9	2	1
5	8	5	3	8	4

Filter

1	0	-1
1	0	-1
1	0	-1



Parameters

Size 3
Stride 1
Padding 0

Output

2	6		

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$$6 = (9 * 1) + (2 * 0) + (5 * -1) + (6 * 1) + (2 * 0) + (4 * -1) + (4 * 1) + (5 * 0) + (4 * -1)$$