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Input

Assignment-2

Padding = 1

Stride = 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

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

Padding + Filter 1

1	0	1		2	3	2	3	1
1	1	1	=	3	4	3	5	1
0	0	1		3	4	3	5	1
				3	4	3	5	1
				2	3	3	4	1

Padding + Filter 2

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

After Filter -2

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

Filter -1

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

=

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

max pooling

2x2 Stride = 1

7	7	8	8
7	7	8	8
7	7	8	8
7	7	8	8

Ans: