

Input Volume (+pad 1) (7x7x3)

$x[:, :, 0]$						
0	0	0	0	0	0	0
0	1	2	2	1	0	0
0	0	2	1	2	0	0
0	2	2	2	0	1	0
0	1	0	0	2	1	0
0	2	2	2	2	0	0
0	0	0	0	0	0	0
$x[:, :, 1]$						
0	0	0	0	0	0	0
0	2	0	2	0	2	0
0	0	0	0	0	1	0
0	2	1	1	2	0	0
0	0	2	1	2	2	0
0	2	1	2	1	0	0
0	0	0	0	0	0	0
$x[:, :, 2]$						
0	0	0	0	0	0	0
0	0	0	0	0	2	0
0	1	2	1	1	1	0
0	2	2	1	0	0	0
0	2	2	2	2	0	0
0	0	1	0	2	0	0
0	0	0	0	0	0	0

Filter W0 (3x3x3)

$w0[:, :, 0]$		
0	1	1
1	0	0
0	0	1

$w0[:, :, 1]$		
1	0	0
1	0	1
1	1	0

$w0[:, :, 2]$		
0	1	0
0	1	-1
-1	-1	1

Bias b0 (1x1x1)

$b0[:, :, 0]$		
1		

Filter W1 (3x3x3)

$w1[:, :, 0]$		
0	-1	-1
-1	1	1
-1	-1	-1

$w1[:, :, 1]$		
0	1	1
0	0	-1
-1	1	-1

$w1[:, :, 2]$		
0	1	1
1	0	-1
1	0	-1

Bias b1 (1x1x1)

$b1[:, :, 0]$		
0		

Output Volume (3x3x2)

$o[:, :, 0]$		
4	3	3
5	12	2
4	7	5

$o[:, :, 1]$		
-1	-3	-1
-3	-6	2
7	5	1