

Input Volume (+pad 1) (7x7x3)

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

Filter W0 (3x3x3)

w0[:, :, 0]		
-1	1	1
-1	-1	0
0	-1	1
w0[:, :, 1]		
0	-1	1
-1	0	0
1	-1	-1
w0[:, :, 2]		
-1	-1	1
0	0	1
0	0	0
Bias b0 (1x1x1)		
b0[:, :, 0]		
1		

Filter W1 (3x3x3)

w1[:, :, 0]		
0	-1	-1
-1	0	1
0	0	0
w1[:, :, 1]		
0	-1	-1
0	0	-1
0	1	0
w1[:, :, 2]		
0	-1	1
-1	0	-1
-1	-1	0
Bias b1 (1x1x1)		
b1[:, :, 0]		
0		

Output Volume (3x3x2)

o[:, :, 0]		
-3	4	-5
-1	-3	-8
1	-2	-5
o[:, :, 1]		
-1	-7	-6
-5	-6	-6
-5	-11	-7

toggle movement