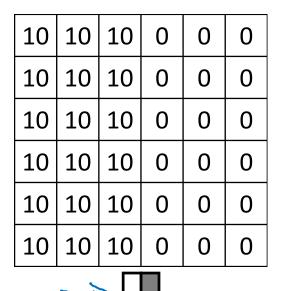


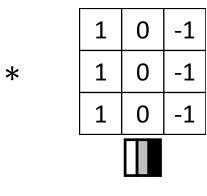
Convolutional Neural Networks

More edge detection

Vertical edge detection examples

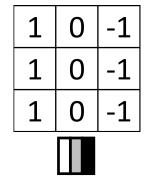
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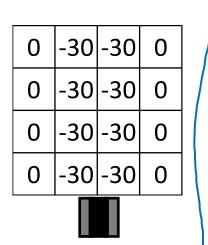




0	30	30	0	
0	30	30	0	
0	30	30	0	
0	30	30	0	

0	0	0	10	10	10
0	0	0	10	10	10
0	0	0	10	10	10
0	0	0	10	10	10
0	0	0	10	10	10
0	0	0	10	10	10

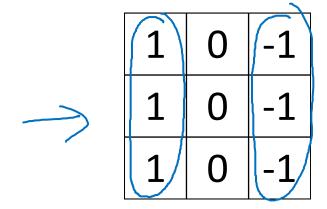




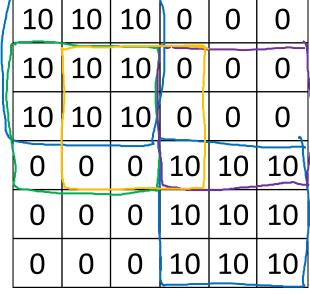


Andrew Ng

Vertical and Horizontal Edge Detection



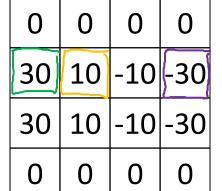


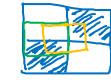


1 1 1 0 0 0 -1 -1 -1

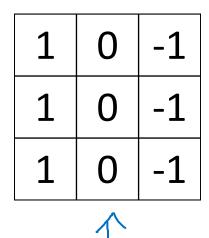
Horizontal

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

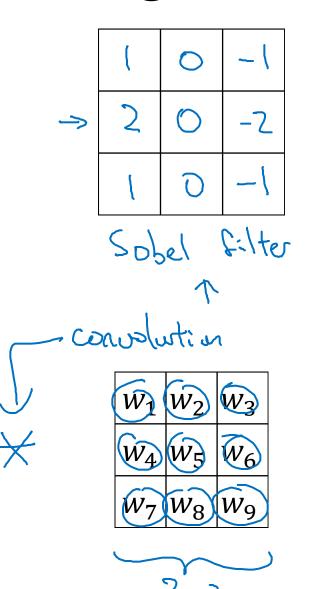




Learning to detect edges



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



3	0	-3
0	0	0
3	5	-3
C. L C-1+		

