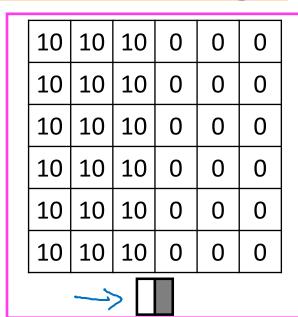


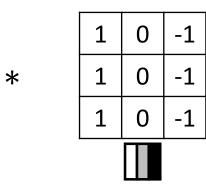
## Convolutional Neural Networks

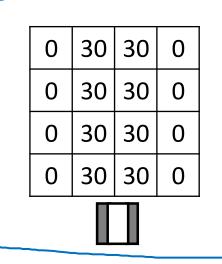
More edge detection

## Vertical edge detection examples

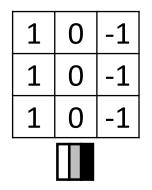
\*

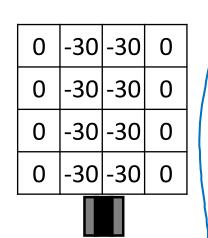






0	0	0	10	10	10
0	0	0	10	10	10
0	0	0	10	10	10
0	0	0	10	10	10
0	0	0	10	10	10
0	0	0	10	10	10

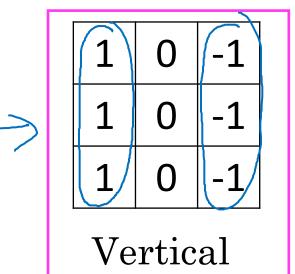




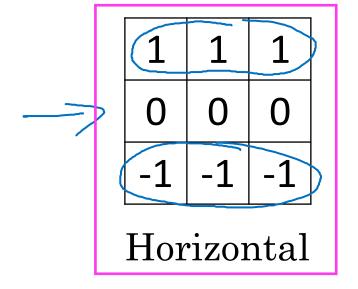


Andrew Ng

## Vertical and Horizontal Edge Detection



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

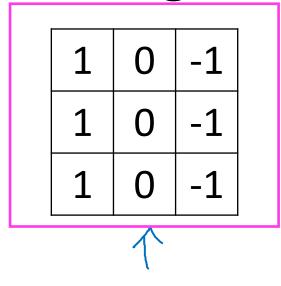


1	1	1
0	0	0
-1	-1	-1

0	0	0	0
30	10	-10	-30
30	10	-10	-30
0	0	0	0



## Learning to detect edges



5	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

