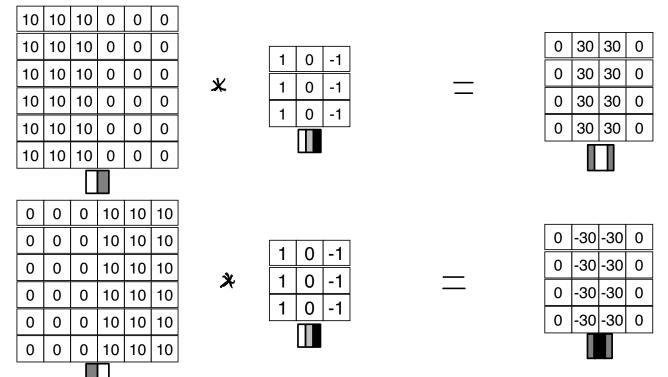


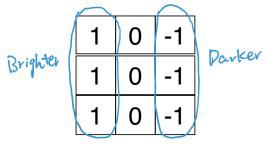
Convolutional Neural Networks

More edge detection

Vertical edge detection examples



Vertical and Horizontal Edge Detection

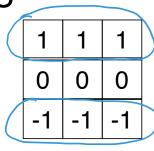


Vertical

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
6×6					

*

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

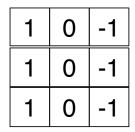


Horizontal

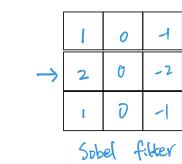
0	0	0	0
30	10	-10	-30
30	10	-10	-30
0	0	0	0

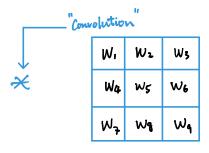


Learning to detect edges



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







Scharr fitter

