The Computed Values Highlight Vertical Lines

Do the same for every pixel (called **convolution** with the filter).

0	1	2	2	2
0	0	1	2	2
0	0	0	1	2
0	0	0	1	2
0	0	0	1	2

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

strongest vertical line
(other parts of the
line are not vertical)

(I duplicated the boundary cells for computation.)