Output

	0	1	2	3
0	rows 0-4 cols 0-4	rows 0-4 cols 4-8	0-4 8-12	0-4 12-16
1	rows 4-8 cols 0-4			
2				
3				12-16 12-16

$$\text{output}[0,0] = \text{sum}(\text{input}[0:4, 0:4])$$

$$\text{output}[1,0] = \text{sum}(\text{input}[4:8, 0:4])$$

$$\text{output}[1,2] = \text{sum}(\text{input}[4:8, 8:12])$$

$$\text{output}[i,j] = \text{sum}(\text{input}[4i:4i+4, 4j:4j+4])$$