

0	0	0
0	5	20
0	20	40

New Center Heat =

average: self + left + above + right + below

$$(5 + 0 + 0 + 20 + 20) / 5 = 9$$

0	0	0
0	5	20
0	20	40

What would the indices be?

r = current row (1 for the centerspace)

c = current column (1 for the centerspace)

self + left + above + right + below

r, c

$r, c - 1$

$r-1, c$

$r, c+1$

$r+1, c$

0	0	0
0	5	20
0	20	40

Edge Case!

$r = 2$

$c = 1$

self + left + above + right + below

(r, c) $(r, c-1)$ $(r-1, c)$ $(r, c+1)$ $(r+1, c)$

How can you tell if a space is out of bounds?