| 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?