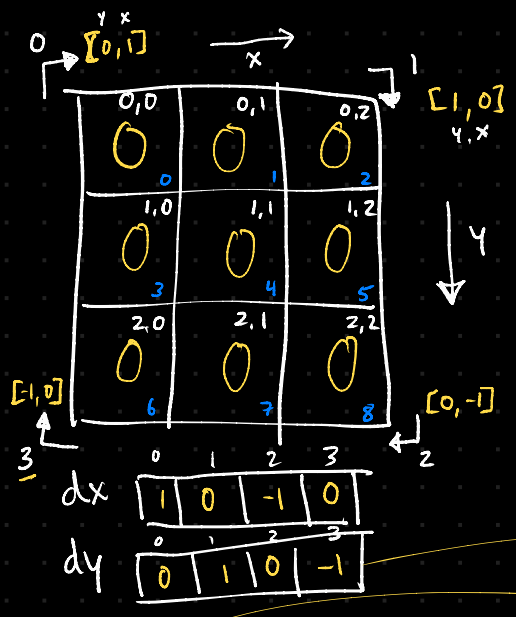
2D Spiral Array



(row, col)
y x

Variables

```
let dx = [1, 0, -1, 0]   } right turns
let dy = [0, 1, 0, -1]   }
var dir = 0              // +1 % 4
var value = 1            // +1 < n²
var n = size
var limit = n * n
```

```
func isValidDirection(grid, r, c, size) {
    return r >= 0 || c >= 0 || r < size || col < size ||
           grid[r][c] != 0
```

attempt 1: 3h 1 min

painful - don't know 2D traversals

while