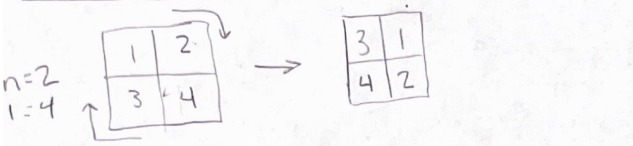
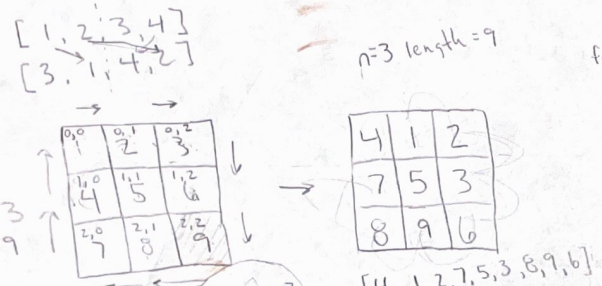
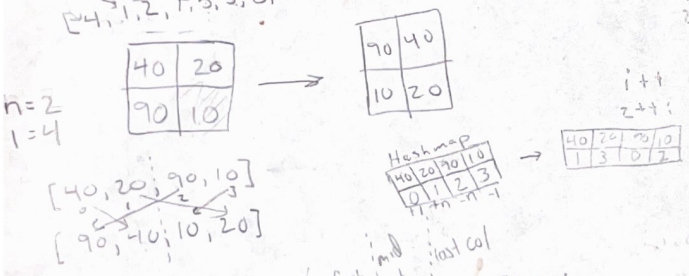
Rotate Tables (clockwise) Coding Challenge

From prompt:







Thoughts

- Infer rows and colums from input data
- maybe use hashmap to store indexs of each number
- n = number cols, rows = $\sqrt{\text{length}}$
- if length is not a square, false. if length is 1, return same

z=0 (clockwise)

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funct rotate(n, z){
  for(i=0; i < n):
    for(j=0; j < n):
      IF (i>n-z-1) AND (i<j)   } shift down z-n spaces in the list)
      IF (i<n-j)   AND (i>j)   } shift up z-n spaces in the list)
      IF (j<n-1-i) AND (j>i-1) shift right (z+1)
      IF (i>n-1-j) AND (j<i+1) shift left (z-1)
  i++
  z++;
```

$a_0 = [1, 2, 3, 4, 5, 6, 7, 8, 9]$ (n=3)

$a_1 = [4, 1, 2, 7, 5, 3, 8, 9, 6]$