

Program - I part II

mat 1

iterate col then row
start place & increment
1 & 1

```
declare → build_matrix(rows, col, start, incr)
matrix = []
total = start
for i in rows:
    matrix.append(new row)
    for j in col:
        matrix[i].append(total)
        total += incr
return matrix
```

```
build string for printing
print matrix(matrix)
ret string = ""
for i in range matrix length:
    for j in range matrix[0].length:
        ret string.append(matrix[i][j],
                           tab space, new line)
return ret string
```

write - file (file name writing-pref, string)

open file
write string in file under writing
pref

Mat

3	12	21	30
6	15	24	33
9	18	27	36

3 3 3

3 (3x1 3x1 3x7 3x10
 3x2 3x5 3x8 3x11
 3x3 3x6 3x9 3x12)

(index 0,0) - add start?

le 6

5	35	65
10	40	70
15	45	75
20	50	80
25	55	85
30	60	90

+6 +6

5x1	5x7	5x13
5x2	5x8	5x14
5x3	5x9	5x15
5x4	5x10	5x16
5x5	5x11	5x17
5x6	5x12	5x18

increment is 5

5 (rows) = 5x3

5 (rows * y) + however many we've iterated over
 columns index rows index

$x = \text{incr}(\text{rows} * y) + x) + \text{start}$

needed
 or get ☺

P2

parse from file (file)

matrix = []

Open file

for i in file length

matrix.append(file line.split)

— switch to digit here? later? —

close file return matrix

compare size(mat1 mat2)

if mat size 1 == mat size 2

return true

return false

add matrix(mat1, mat2)

mat final = []

for i in range length mat1

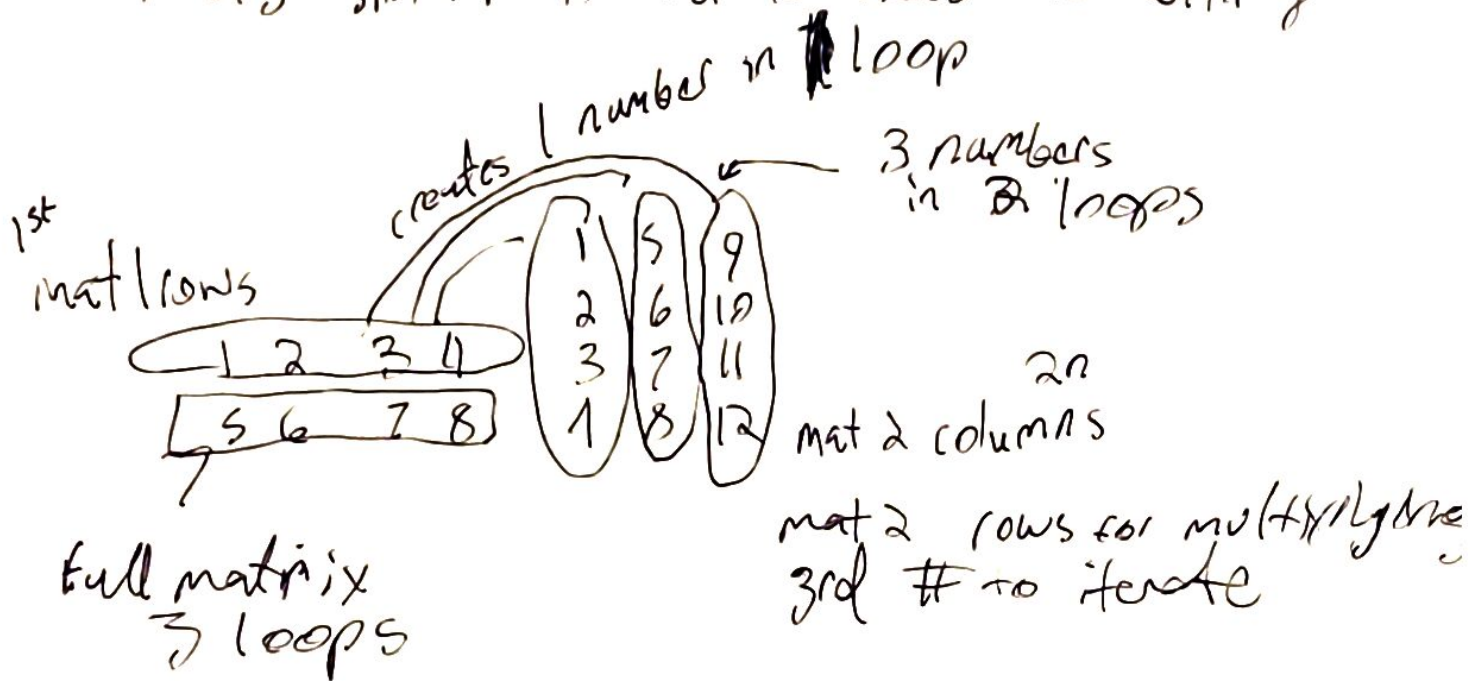
mat final.append(new row)

for i in range len mat1[0]

mat final[i].append(digit + digit)

return final map

mat 3 similar to mat 2 need to multiply



```

for k in mat1 rows
  for j in (mat 2 col)
    for i in (mat 1 rows)
      running total += multiply deg
    reset running total = 0
    return matrix.append('total')

```

return return matrix