

Spiral Matrix

Example 2:

1	2	3	4
5	6	7	8
9	10	11	12

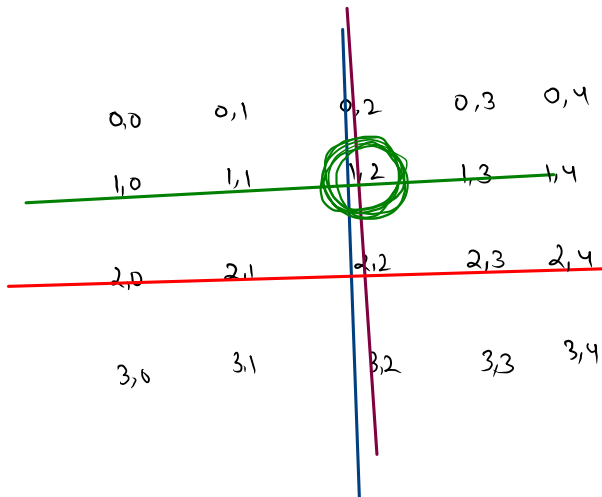
Input: matrix = [[1,2,3,4],[5,6,7,8],[9,10,11,12]]
Output: [1,2,3,4,8,7,6,5,9,10,11,12]

minx = 0

maxx = 3

minc = 0

maxc = 4



row = 0
col = 0 1 2 3 4

row = minx
col = (minc → maxc)

col → maxc

row → minx → maxx

row = maxx

col → maxc → minc

col = minc

row → maxx → minx

String

s → "aman"
0 1 2 3

s.charAt(idx)

s.charAt(1); → 'm'

length.
s.length()

substring

1 parameter

s.substring(1);
(, "man")

2 parameter

s.substring(0, 2)

[0, 2)

↓

[0, 1]

'am'

string palindrome.

8 →

a b b c c d d e d d c c b b a
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

i

j

2 pointer

$$'F' - 'A' = 'f' - 'a'$$

$$\boxed{CH - 'A' = 'ch' - 'a'} \quad \dots \textcircled{1}$$

'F'

using eq ①

$$\boxed{ch = CH - 'A' + 'a'}$$

$$f = \left(\underline{'F' - 'A' + 'a'} \right)$$

prime or not?

prime $\begin{cases} 1 \\ \text{self} \end{cases}$

factor count > 2

↳ not prime.

(17)

loop:

[2, 16]

↳ factor exists.) not prime

$17 \% 2$

$17 \% 3$

$17 \% 4 \dots 17 \% 16$

(= 0) factor ++