Some more Array Problems

About Me:

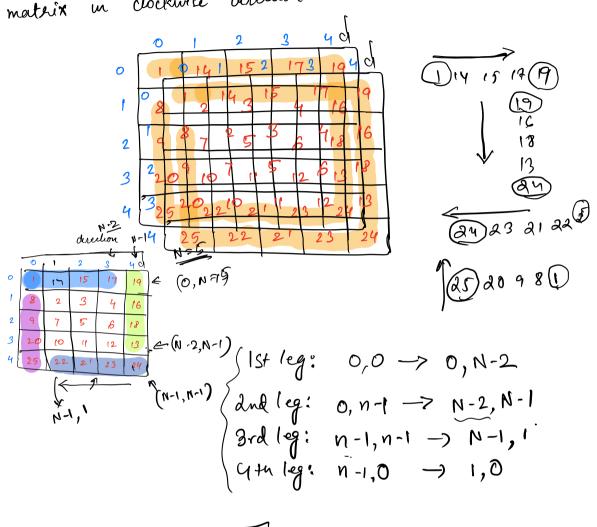
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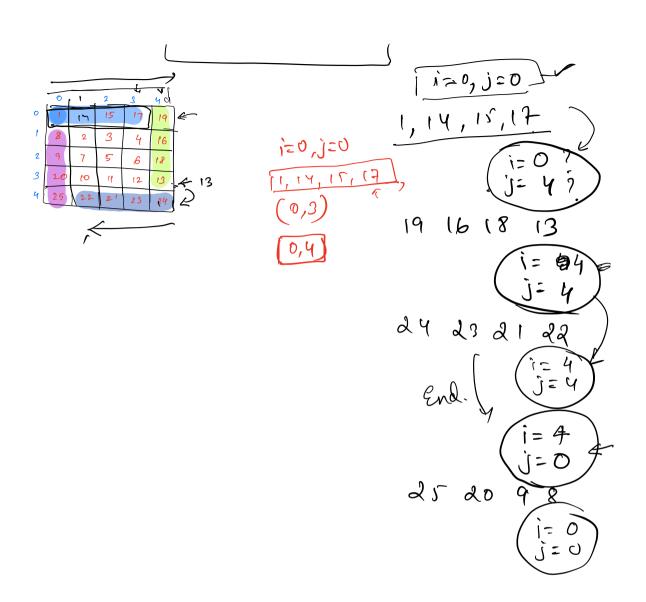
Q: I given a mot [N] [N], print the boundary of the materix in clockwise direction.



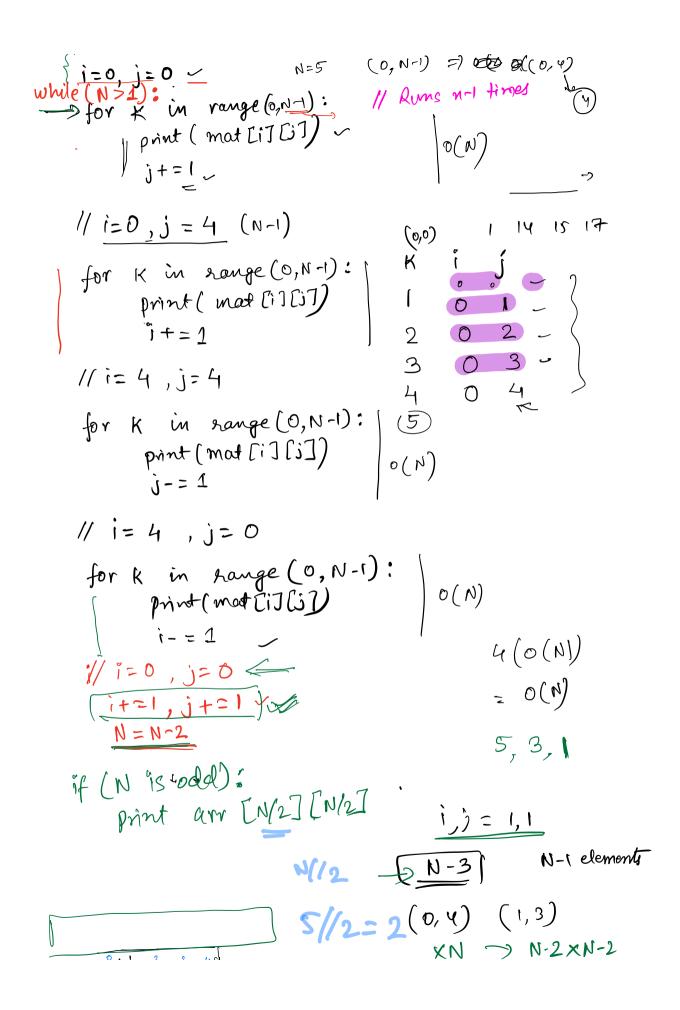
N-1

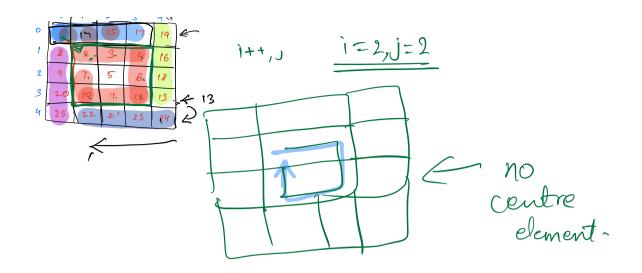
Observations:

- 1. Each leg of the boundary will have N-1 elements.
- 2. Once we are done with printing let leg, (with variables i, i), these become equal to the indices of start of next leg.



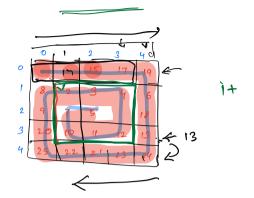
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(N), ()

Q. Print the matrix in a spiral order.





Print

Break 10:15

Max no. of consecutive 1's. Given a binary string, at most heplace a O with a 1. Find mak no. of consecutive 1's. 010001100 $\frac{2}{2} \frac{2}{1} \frac{2}{1} \frac{2}{2} \frac{2}{1} \frac{2}$

Pseudo code: stongs;

ans = 0

for i in range (0,n):

L= consecutive 1's to the left

total= L+R+1

ans = max(ans, total) return ans from right -0 - 1 0 11 0 11 0 0 123012012 0 321021021

- - 1

```
if s[o']=='0':

left[0]=0

else left[0]=1
                                          8 left[0] = 5[0]
     for i in hange (1)n): × left[o] = int(so)
           if s[i] == '0':
                                     14 [0] = (5[0] - 48
                left [i] = 0
            else:
           -> left [i] = left[i-[]+1
    for i in range (n-1,-1):
            if s[i] = = 10':
                  right [i] = 0
            else: right [i] = right [i+1]+1
one = 0 > count = // No. of 1's in the array.

for i in range (0, N): return count.
     -if sti]==10/:
            L= i==0? 0: lebt[i-1]

R= i==n-1? 0: right[i+1]

fotal = L+R+!

ans = max (ans, fotal)
```

retum ans.

1. \$\int_{00000000}^{0000000} \gamma \tag{1}{\pi}\$

| \tag{1}{\pi} \tag{1} 2. 11.11111 Correctors = 9 000011011 (10110)