

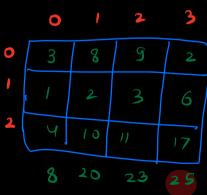
Q. Given mat [N][M], print row-wise som.

mat [3][y]



Q. Given mat [N][n], find max col-sum.

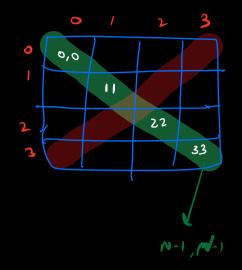
mat [3][y]

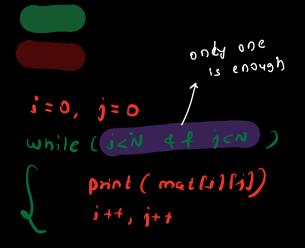




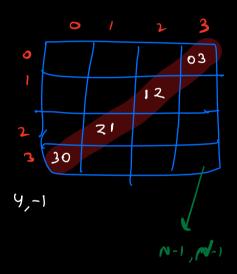
```
maxi = INT-MIN
  for(j=0; jcm;j++)
                                       Tc: O(N×M)
      // jth column
                                       Sc: O(1)
      50 m =0
     for( i=0; i < N; i++)
      Som = som + mat [i][j]
      If ( sum > maxis maxis sum
        maxi = meth, max (maxi, com)
   octem max
     int N= mat. Length

Int m= mat[o], Length
Q, Given a met [N][N].
   print both diagonal (TL+BR, TR+BL)
      mat (y) (y)
```





TC: 0(N) Sc: 0(1)



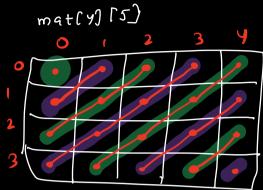
T C: O(N) Sc: O(1)

Total TC: O(N)
Sc: O(1)

Q. Given met [N,M] , Print all the diagonals going

son one = (R-L) (T-B)

diagonal

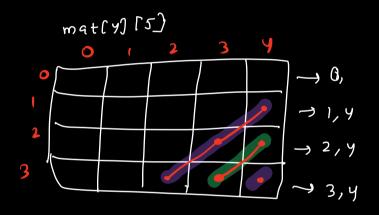


Obsorvation y Steating points lie on fixet now or Least column.

for (j=0; j < m; j+1)If print the diagonal starting and of now,  $j^{th}(0)$  x=0, y=jWhile (x < N) if  $y \ge 0$ Print (mat(x)(y)) x+1, y=1

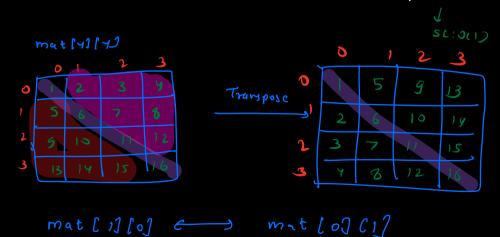
for ( i=1;  $i \in N$ ; i+t)

(1) print diagonal starting at i, m-1 x=i, y=m-1  $while (x< N & if & i \geq 0$ ) print (mat(x)) x+t, y=-

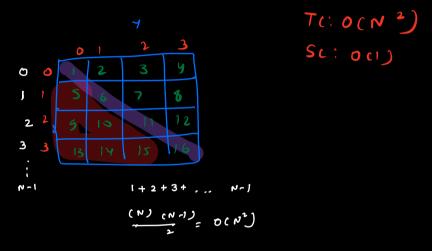


TC:O(Nxm) Sc:OCI)

a. Given a mat[N][N], find the transpase.



000

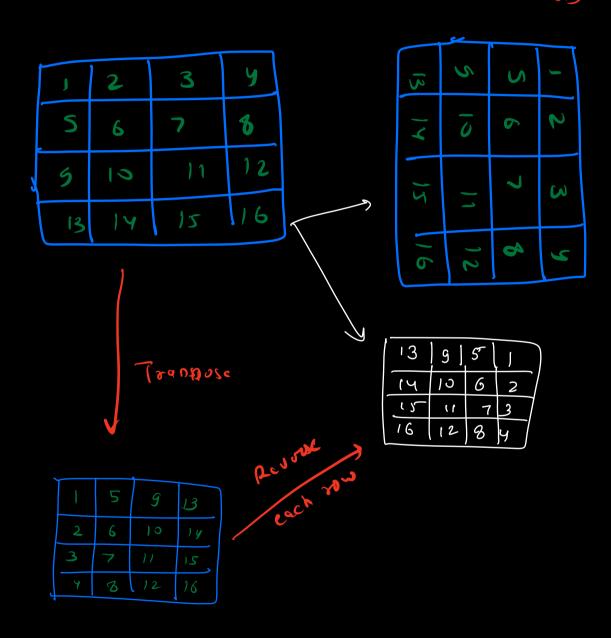


void swap ( not a, int b)
$$c = a$$

$$a = b$$

$$b = c$$

Q. Given a squence med[NJ[N]. Rotate it
by 90° clockwise.



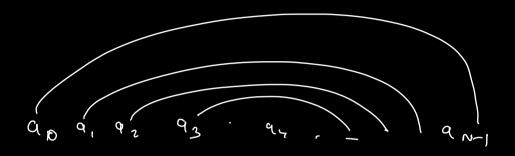
Rotate 90' = Transpose + Revisse each 2000

TC: O(N2)

TC: O(N2)

TC: 0(N2)

Sc: 000



j=0, j=10-1

while (ica)

Swap ( arm (1), 'arm (1))

5 arr [a]

5

4

5

4