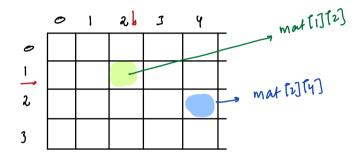
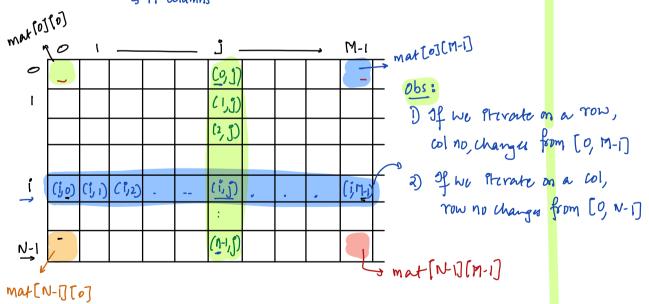
## Todays Content

- → Bastu
- Problems

Declare: rows, horizontal Isnes
int mat[4][5], cols, vertical Isnes



Int mat[N][M]
Lift Columns



1a) Gilven mat [N][M] print raw wise sum

En: mar[3][4]

0 1 2 3 1 3 1 7 15 1 6 2 3 4 15 2 5 3 2 7 17 Vold row. wise ( int moutil) ) {

int N= Mat. length

int M= mat[0]. length

for (int i = 0 ; i a N ; it) {

// We need ith rows sum

int sum = 0

for (int j = 0 ; j < M ; j + 2 }

| sum = sum = mat[i][j]

print (sum)

3

TC: O(N\*M) SC: O(1)

1<u>a</u>) Gilven mat [N][M], print col wise sum iTopoy

o 1 2 3

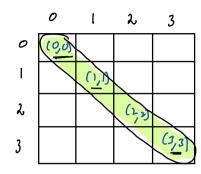
In Double Sessim Code:

9 1 2 3 9 4 3 1 7 1 6 2 3 4 2 5 3 2 7

output: 15 8 6 18

28) Given Square Mat[N][N] print dragnok & left - Right

(n: mar[4][4]



Pseudolade: Try Pt for loop

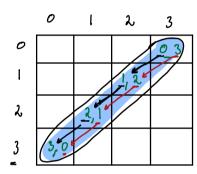
int 
$$i=0, j=0$$

While (in a 44 jin)?

Print (mat [i] (j))

int  $i=0, j=0$ 

St: O(1)



Int i=0, j= N-1

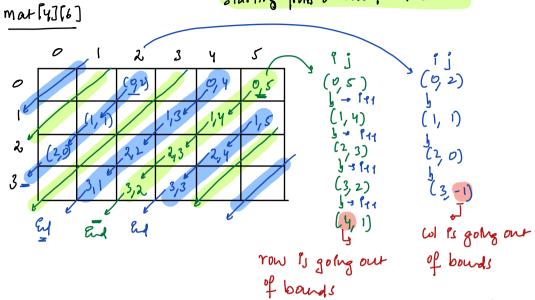
where (i an 44 j=0) 2

print (mat [i](j))

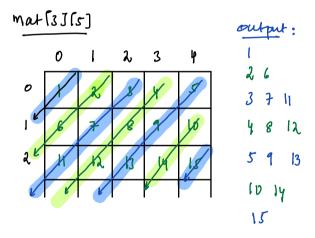
iqu j--

3Q) Given a mat[N][M] print all diagnok going from R-s]

Starting from oth row 4 M-1th Column

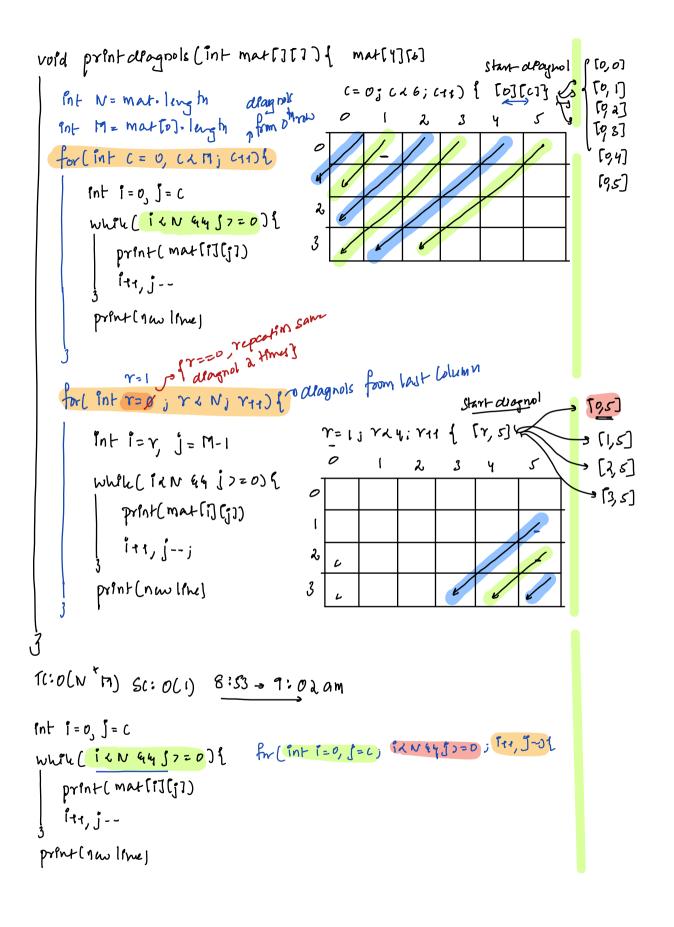


obsi: ils continously increan, in 7 // even if 1 condition fails we stop obsi: ils continously decreasing, 9>=0



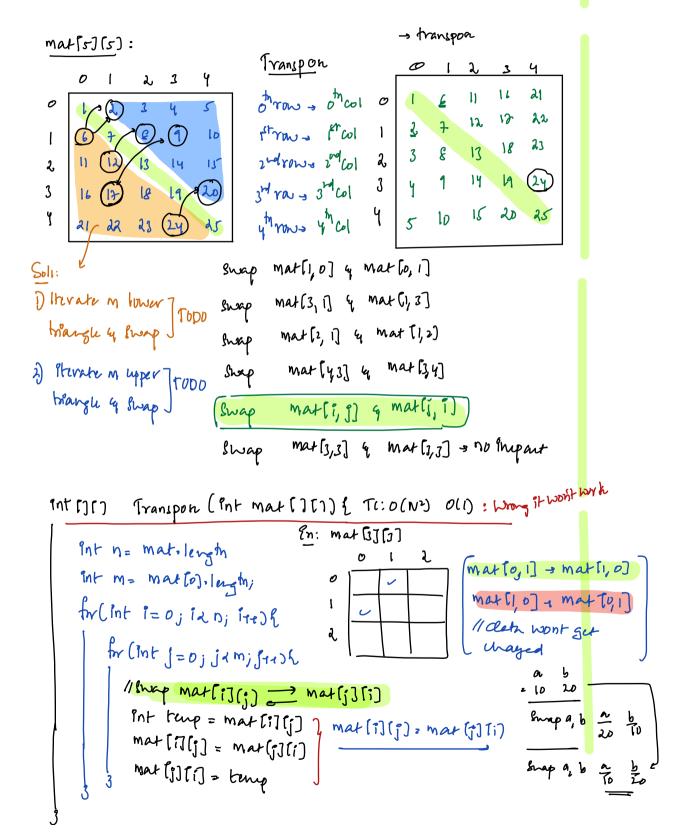
## idea

- 1) Flat print au diagnols Starting from other
- 2) Print au deagnois starting from last Column

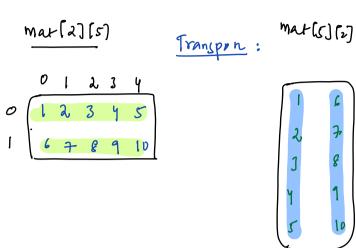


48) Given a mat [N](N), Calulut transpose of mat [], with SC=0(1)

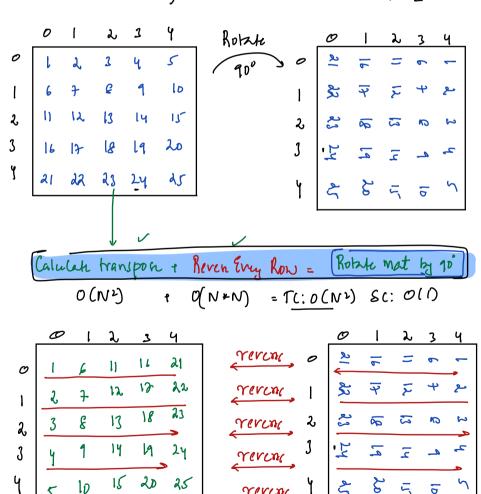
Note: Get transpose in given mat 9144



1 If Rectage : (We need Entra Space to Solve Problem's



// Given a mat [N] [N), Rotale 10° clockwine from Top-Right



11 Botak Rectangular mahn: We need Enma Space

