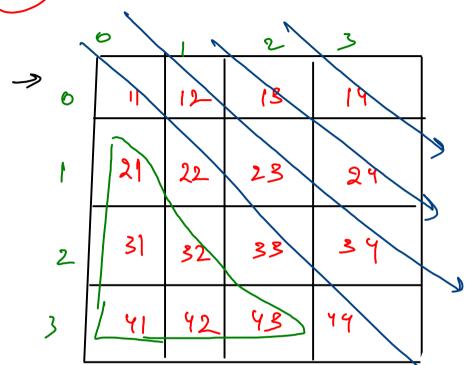
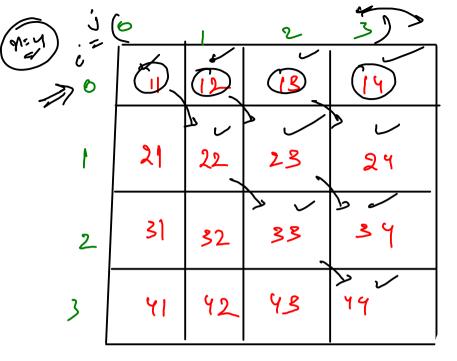
श्रूष



12 -> (0,1) 7P2  $\begin{array}{c} 13 \to (0,2) \\ 27 \to (1,2) \\ 19 \to (0,2) \end{array}$ 



```
for(int i = 0, j = 0; j < n; j++)
   for(int r = i , c = j ; c < n); r++,c++){
       System.out.println(mat[r][c]);
                                             22
                                             33
0
       3
                     (3)
 0
               0
```

(Spiral Display)

SXA Md

	0		1	2	-	3		4		5	4	•
0	[[	12	<del>,</del>	13	2	14		(5	ļ	Ç	(	<b>\</b>
t	21	2	. 2	2	3	29	2	ξ	7	4		/ 21
2	31		32	3	3	34	3	ζ	3	6	9	34
3	41	Ч	2	(	13	44	4	5	Ч	6	4	4
9	5		52	5	3	39		ς5	,	56		5 <i>4</i>

 	16 25
31	15 29
41	1 20
51	\ ' \   84
52	1 12
53	22 35
54	32
95	43
56	44
SF	45
48	46
32	31
27	
18	21

(mgr Cmin 4 8 & Max

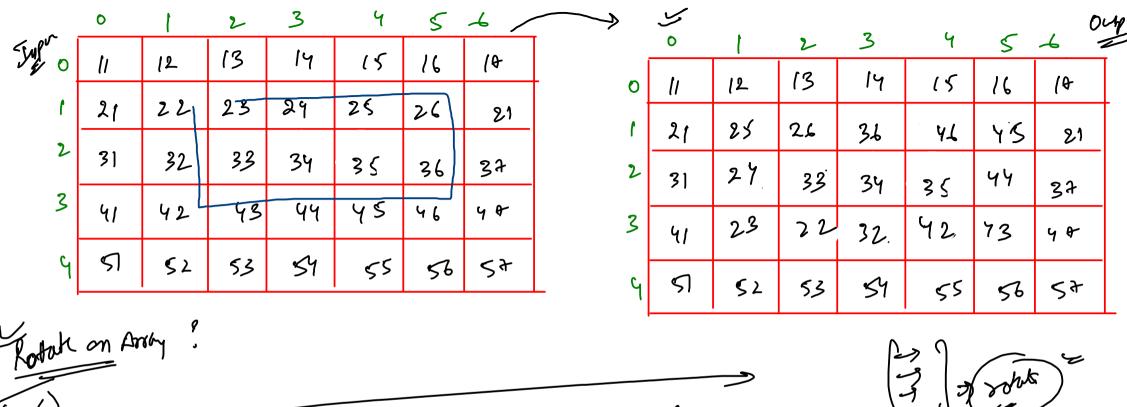
```
legt
bottsm
right
top
```

```
// leftWall
for(int r = rmin , c = cmin ; r < rmax ; r++){
    System.out.println(mat[r][c]);
}</pre>
```

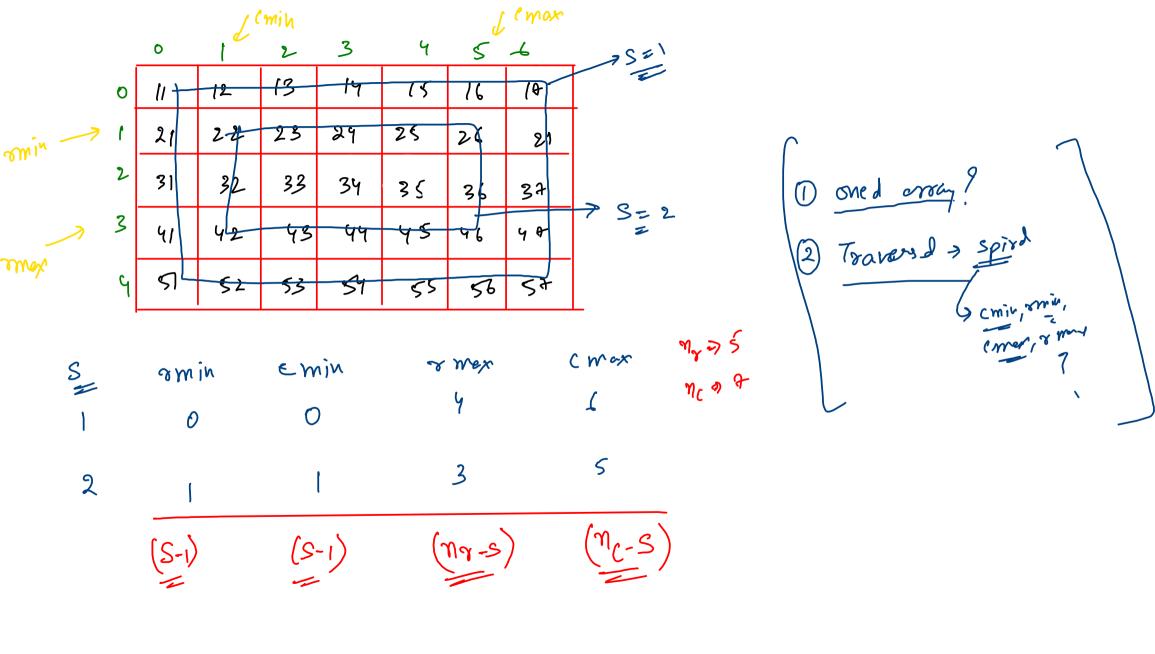
while(count < tEle)</pre> // LeftWall 0 15 18 0 count++: / 23 22 29 25 26 21 // BottomWall 33 34 32 37 36 count++; 43 44 42 46 // RightWall 53 54 57 52 55 count++: // TopWall Ormin <= rmax le Cmin<2 cman) count++: rmin++ cmin++ rmax-cmax--

```
Pfor(int r = rmin , c = cmin ; r <= rmax ; r++){
     System.out.println(mat[r][c]);
 for(int r = rmax , c = cmin+1 ; c <= cmax ; c++)</pre>
     System.out.println(mat[r][c]);
 for(int r = rmax-1, c = cmax; r >= rmin; r--){
     System.out.println(mat[r][c]);
 for(int r = rmin , c = cmax-1 ; c >= cmin+1 ; c--){
     System.out.println(mat[r][c]);
```

RINH ROTATE shell 2, (so tak by e) 5 4 > shell = 2 \$7 4 8 **\$**7 



Ø 36. .27



n(lw)+n(bu)+n(sw)+n(tw)-4 25 Since > n(Lw) = n(rw))
n(bw) = n(fr) 26 36 43 44 N=) 2 [n(lw) + n(bw)]-4 n(l.w.)=) max - min +1 N = 2 [ sman - smin +1 + (max-Cmin+1) - 4 n (b.w.) => Cmax - (min+1) =) 2 ( max - 8min + (max - (min) ) = =2(3-1 + 5-1) 72.(2+4) 2)

(29) W									
	0	t	2	3					
0	lo	20	3 0	40					
1	15	25	35	45					
2	19	24	37	4 3					
_	19	29	31	4 9					

	0	t	2	3
o	11	12	13	17
1	21	22	23	29
2	37	32	33	37
3	41	72	43	4 4

himn, met sowarie de column

		C		
	0	t	2	3 /
O	lo	26 K	30	Uo
1	15	25 4	35	45
<b>√</b> 2	19	29	37	4 3
	\			<del></del>

flag = 61

di 222

```
// Logic
int r = 0, c = n - 1;
   int flag = 0;
   while(c >= 0 \&\& r < n){
      rif(mat[r][c] == ele){
           // element found
           System.out.println(r+"\n"+c);
           flag = 1;
           break:
        lse if(ele < mat[r][c]){</pre>
        }else if(ele > mat[r][c]){
            r++;
   if(flag == 0){
       System.out.println("Not Found");
```

Smolli (40)
2 lenn

Sulve 1) Try it yourself (seron al elements) ortile m rokoh Solution violeo (3) Discuss With me sec (4)