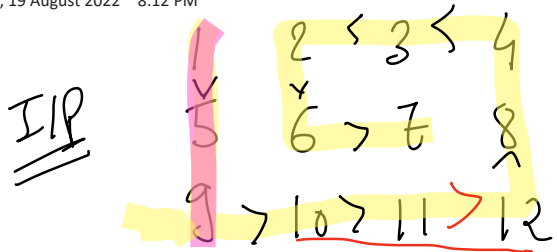
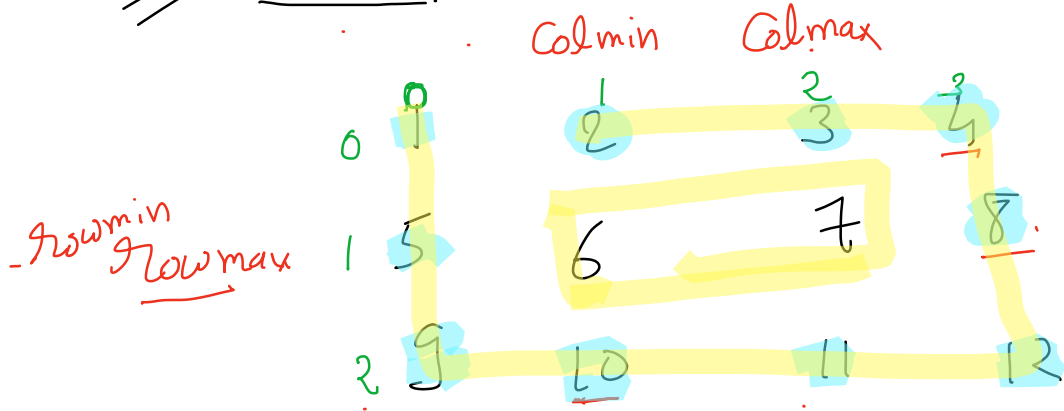


19_08 - 2D array - 2

Friday, 19 August 2022 8:12 PM



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

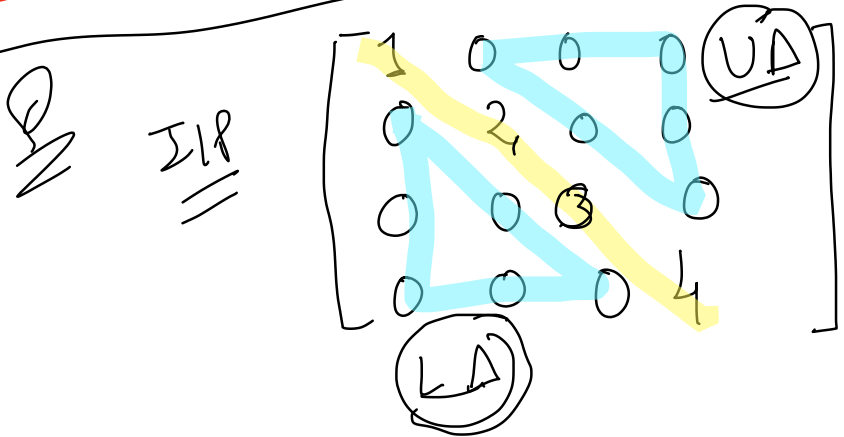


① [rowmin → rowmax] Colmin
print all elements [rowmin → rowmax] Colmin
Colmin++

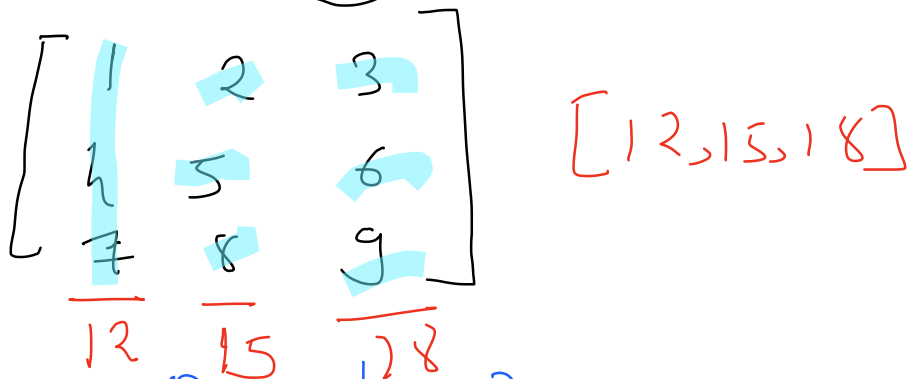
② [Colmin → Colmax] rowmax
rowmax--

③ [rowmax → rowmin] Colmax

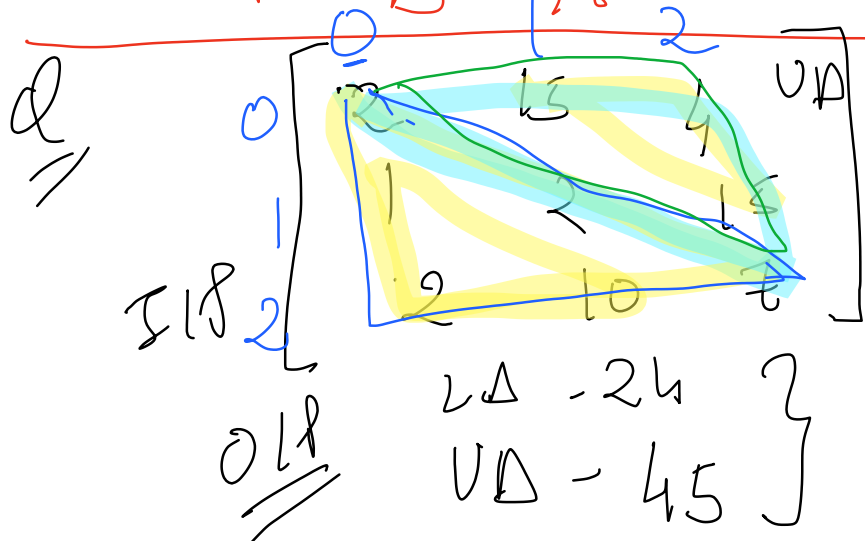
④ [rowmin] [Colmax → Colmin]



O/P:- true/yes
false/no



[12, 15, 18]



row → i
col → j

j ≤ i → LD
i ≤ j → UD

[1 3 5 7] matrix sorted

IP $\left[\begin{array}{cccc} 10 & 11 & 16 & 20 \\ 23 & 30 & 34 & 50 \end{array} \right]$ target = 3

Naive } } }

o/p Yes \hookrightarrow
No \hookrightarrow

Q

10	20	30	40
11	21	36	45
25	29	39	50
50	60	70	80

4x4

target = 25

$40 < 25$ X $21 < 25$ \hookrightarrow
 $30 < 25$ X $29 < 25$ X
 $20 < 25$ \hookrightarrow

Q

11	2	2	20
5	16	20	7
1	13	5	16
6	7	18	15

$\left\{ \begin{array}{ccc} 11 & 13 & 1 \\ 18 & 15 & 6 \end{array} \right.$

Q

2	14	15	18
10	18	14	22
8	21	22	15
10	14	21	28

$\left[\begin{array}{ccc} 2 & 8 & 28 \end{array} \right]$

$\left[\begin{array}{cccc} 11 & 2 & 2 & 20 \end{array} \right]$

let mat=[
[11,2,2,20],
[5,16,20,7],
[1,13,5,16],
[6,7,18,15]]

20

```
[5,16,20,7],
[1,13,5,16],
[6,7,18,15]
]
```

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	1	2	0	0	2	1	2	0	0	0	1	0	1	0	2
16		17		18		19		20							
2		0		1		0		2							