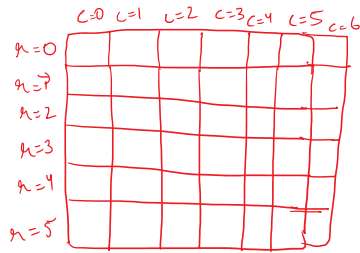
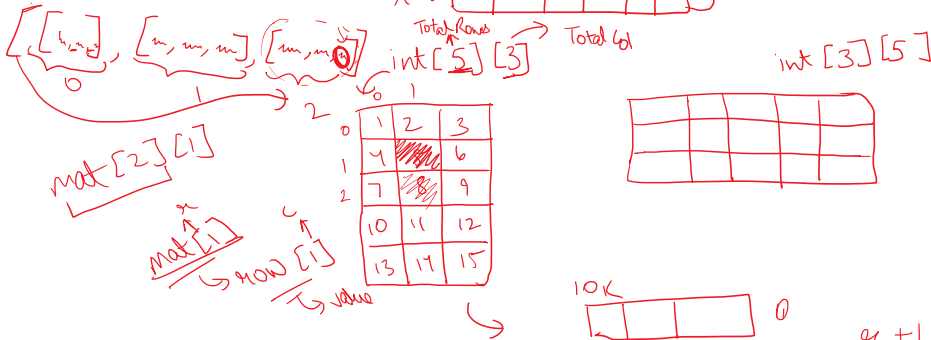


* Array of Arrays
↳ 1D ↳ 1D

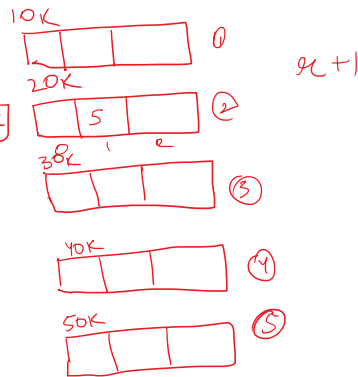


$[[]_0, []_1, []_2]$

$[10, 20, \underline{30}]$
 0 1 2



mat = ⑥ $[10K, 20K, \underline{30K}, 40K, 50K]$
↳ 2D Array
mat[1][1] - 5



HW

Wave Print

```
int[][] arr = {{11,12,13,14},{21,22,23,24},{31,32,33,34},{41,42,43,44}};
```

Input

11 12 13 14

21 22 23 24

31 32 33 34

41 42 43 44

=====

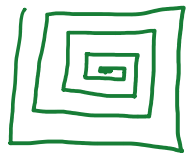
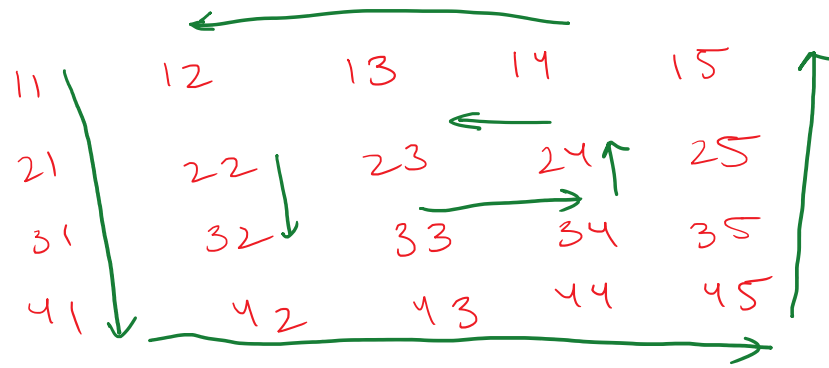
Output

11 21 31 41

42 32 22 12

13 23 33 43

44 34 24 14



11 21 31 41 42 43 44 45
 35 25 15 14 13 12 22 32
 33 34 24 23

Search in 2D sorted array

```
mat[4][4] = { {10, 20, 30, 40},  
              {15, 25, 35, 45},  
              {27, 28, 37, 48},  
              {29, 33, 39, 50}};
```

Input : x = 29

Output: Found at ~~(2,1)~~ (3,0)

Input : x = 100

Output : Element not found