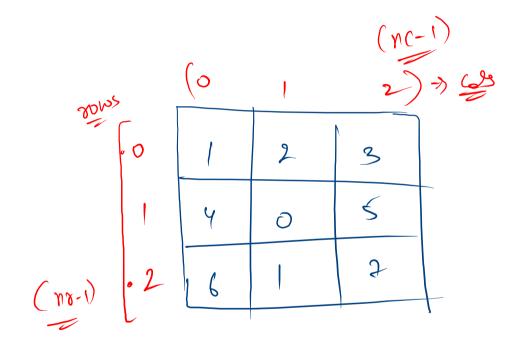
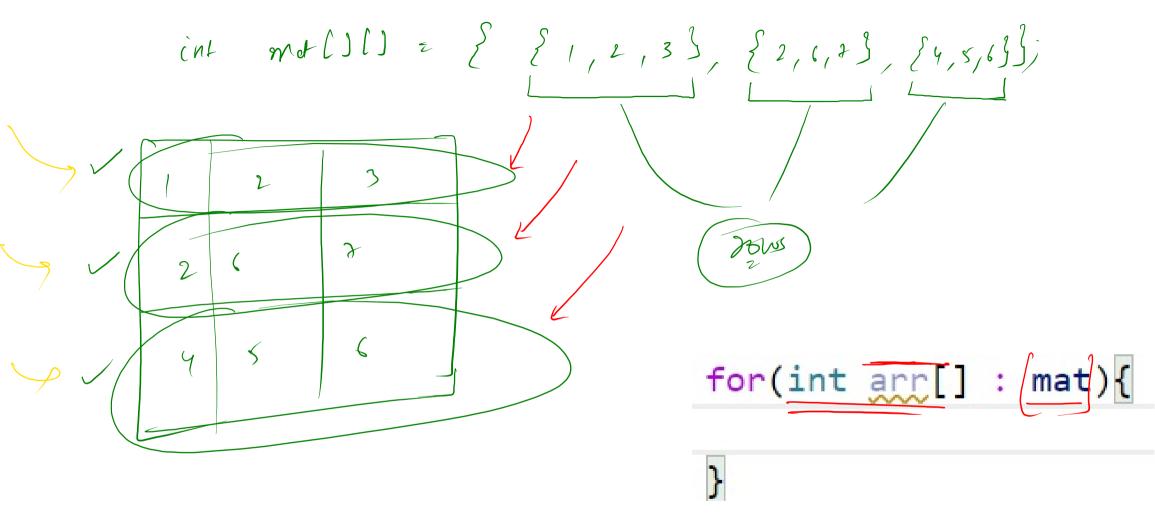
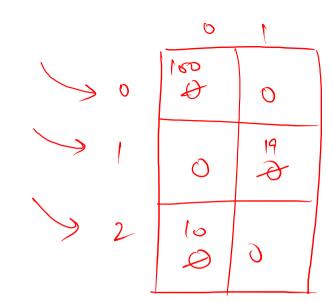


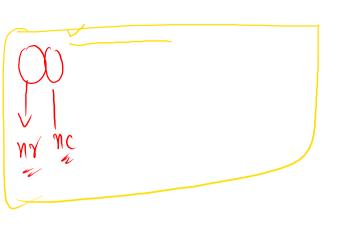
int
$$mat[][] = \{\{1,2,3\},\{4,0,5\},\{6,1,7\}\};$$

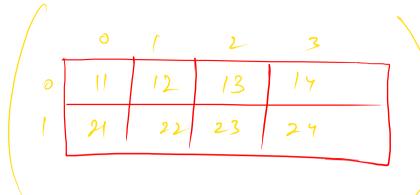


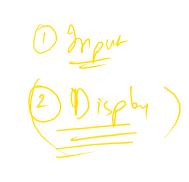


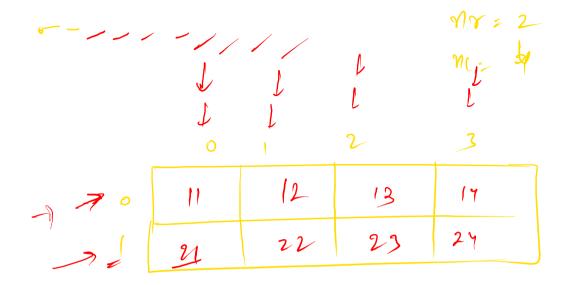
```
public static void display1(int mat[][]){
    for(int arr[] : (mat))
        System.out.println(Arrays.toString(arr));
public static void intro(){
   // int mat[][] = \{\{1,2,3\},\{4,0,5\},\{6,1,7\}\};
   // display(mat);
    int mat1[][] = new int[3][2];
   mat1[0][0] = 100;
   mat1[1][1] = 19; 
   mat1[2][0] = 10;
    // display(mat1);
   display1(mat1);
```











```
11 12 13 14
21 22 23 24
```

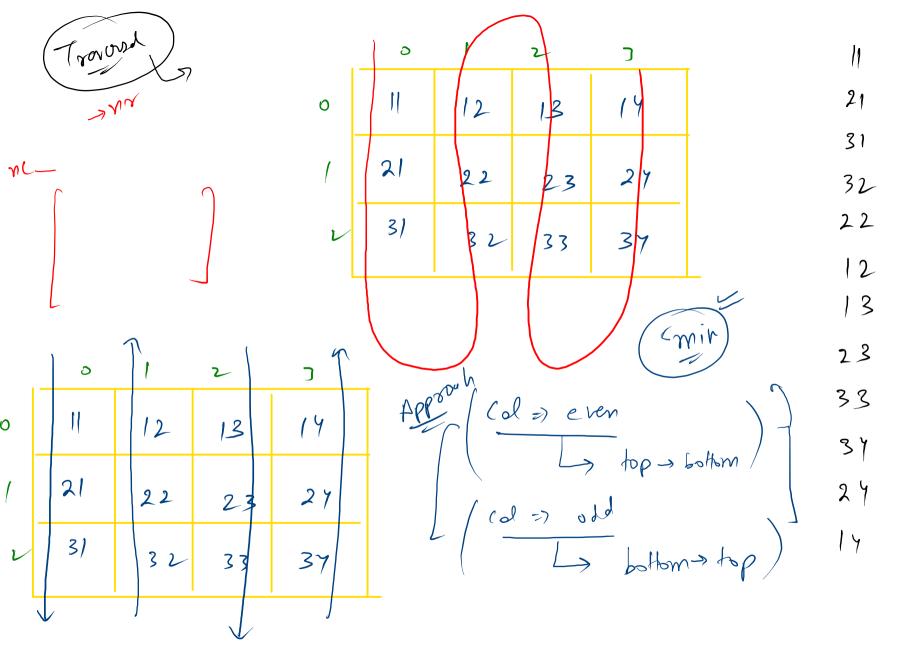
```
Scanner scn = new Scanner(System.in);
int nr = scn.nextInt();
int nc = scn.nextInt();
int mat[][] = new int[nr][nc];

for (int r = 0 ; r < nr ; r++) {
    for (int c = 0 ; c < nc ; c++) {
        mat[r][c] = scn.nextInt();
    }
}
display(mat);</pre>
```

```
for (int r = 0; r < mat.length; r++) {
   for (int c = 0; c < mat[0].length; c++) {
      System.out.print(mat[r][c] + " ");
   }
   System.out.println();</pre>
```

```
public static void main(String[] args) {
  Scanner scn = new Scanner(System.in);
  int nr = scn.nextInt();
  int nc = scn.nextInt();
  int mat[][] = new int[nr][nc];
  for (int r = 0; r < nr; r++)
    for (int c = 0 ; c < nc ; c++)
      mat[r][c] = scn.nextInt();
                                                                   411
                                                       · grati
  display(mat);
public static void display(int mat[][]) {
  for (int r = 0 ; r < mat.length ; r++)</pre>
    for (int c = 0 ; c < mat[0].length ; c++)
      System.out.print(mat[r][c] + " ");
    System.out.println();
                                                     mst
```

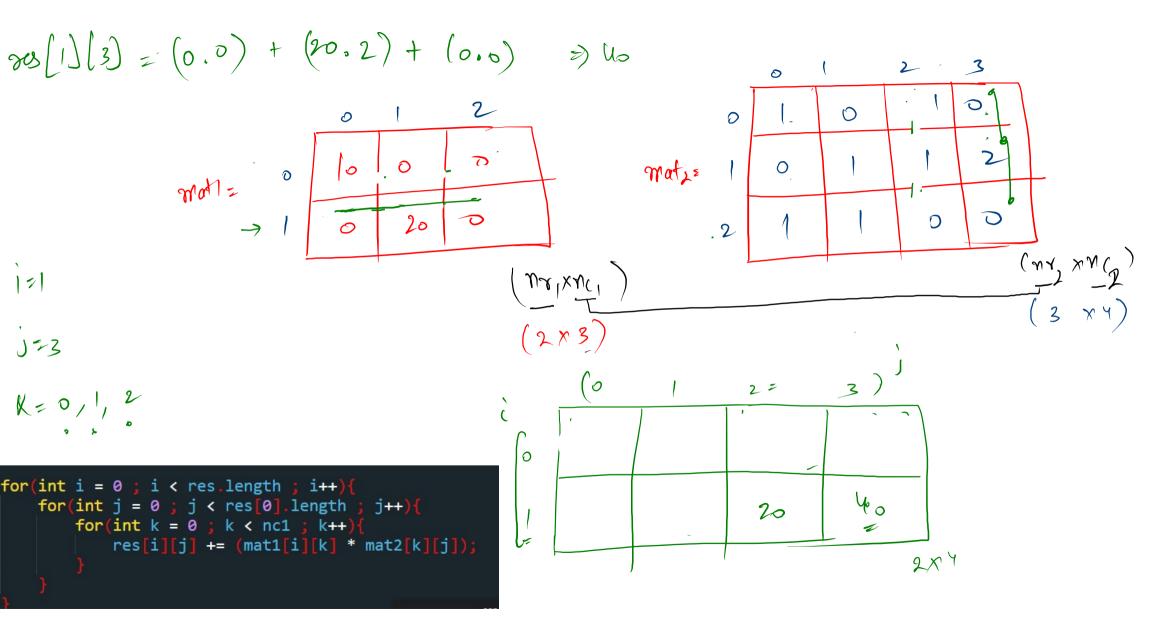
11	12	13	17
21	22	2)	レフ
		_	1



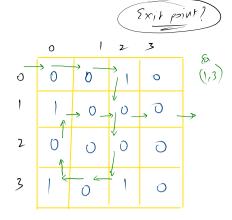
O 13 27 22 23 3/1 33 37 (al =) 0 20W=0,1,2

(d)

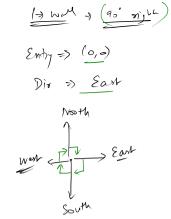
```
21
 80W 30 -> len 1
                                31
                                32
Patterny pob
   20w3/len-1= 0
            // Logic
           for (int col = 0; col < nc; col++) {
              if (col % 2 == 0) {
                // even
               for (int row = 0; row < nr; row++) {
                 System.out.println(mat[row][col]);
               else
               // odd
               for (int row = nr - 1; row >= 0; row--) {
                 System.out.println(mat[row][col]);
```

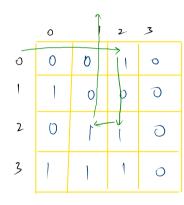


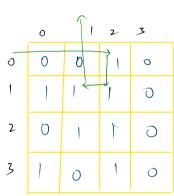




(0,1)







	0	1	2	3	(1,3)
o)	_1	1	1	
4	<u> </u>	1	1	-	
2	(1	f.	
3	1	1	1	1 .	

