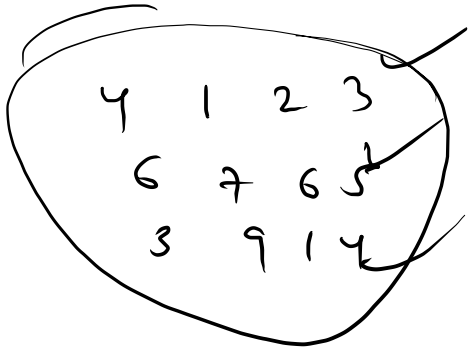
Revision.

↳ Que. 2D Arrays.

k = 3

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



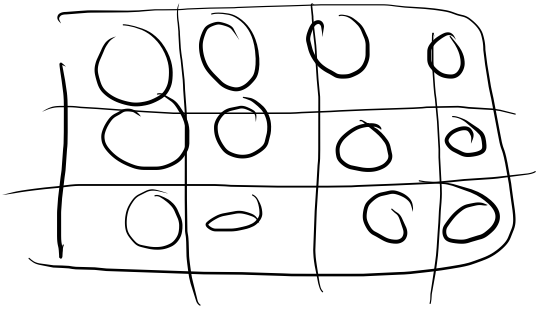
rotate individual rows.

Compare 2 matrix.

A
$m \times n$

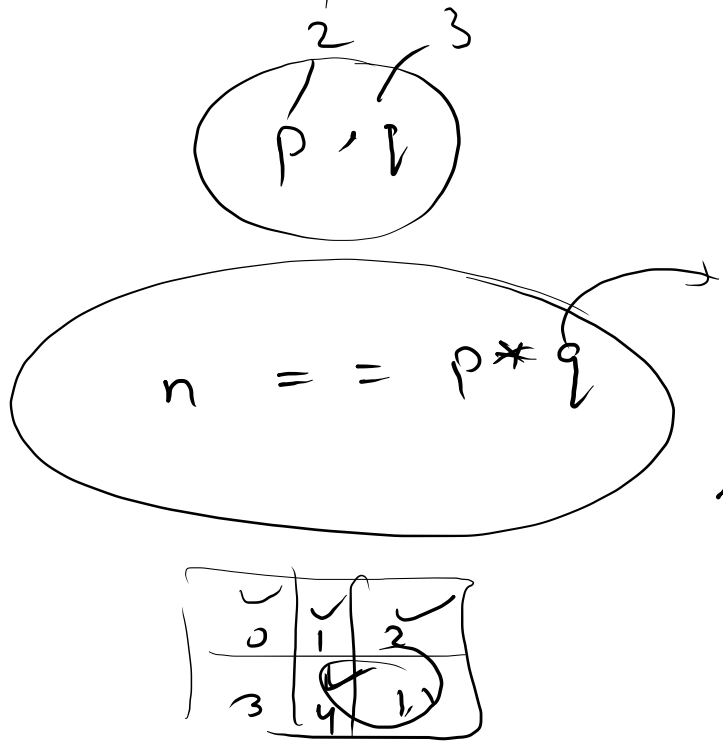
B
$p \times q$

$m == p$
$n == q$



1D Array - 2D Array

mapping.



idx = 4

↳ 2D.

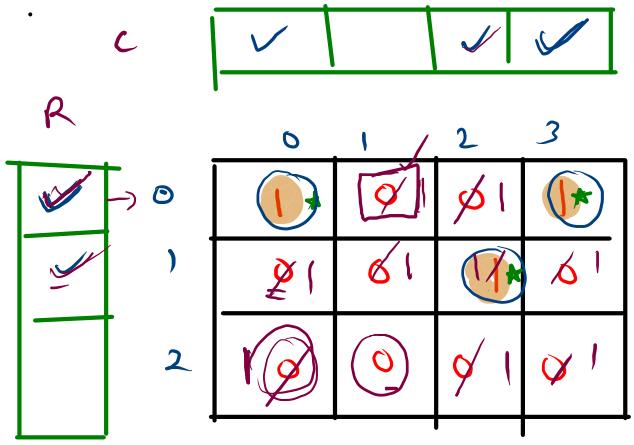
$$\begin{cases} i = idx / q = 1 \\ j = idx \,\%\, q = 1 \end{cases}$$

Modify The Matrix

```
3
4
1 0 0 1
0 0 1 0
0 0 0 0
```

Sample Output 0

```
1 1 1 1
1 1 1 1
1 0 1 1
```



0, 1

R[0] or C[1]

0 → (1) 0

R[2] or C[1]

R[2] or C[0]

2, 0

①

```java
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int m = scn.nextInt();
    int n = scn.nextInt();
    int [][] A= new int[m][n];

    for(int i = 0; i < m; i++){
        for(int j = 0; j < n; j++){
            A[i][j] = scn.nextInt();
        }
    }
```

②

```java
boolean [] R = new boolean[m];
boolean [] C = new boolean[n];

for(int i = 0; i < m; i++){
    for(int j = 0; j < n; j++){
        if(A[i][j] == 1){
            R[i] = true;
            C[j] = true;
        }
    }
}

//process
for(int i = 0; i < m; i++){
    for(int j = 0; j < n; j++){
        if(R[i] == true || C[j] == true){
            A[i][j] = 1;
        }
    }
}
```

③

```java
//display
for(int [] d : A){
    for(int e : d){
        System.out.print(e + " ");
    }
    System.out.println();
}
```

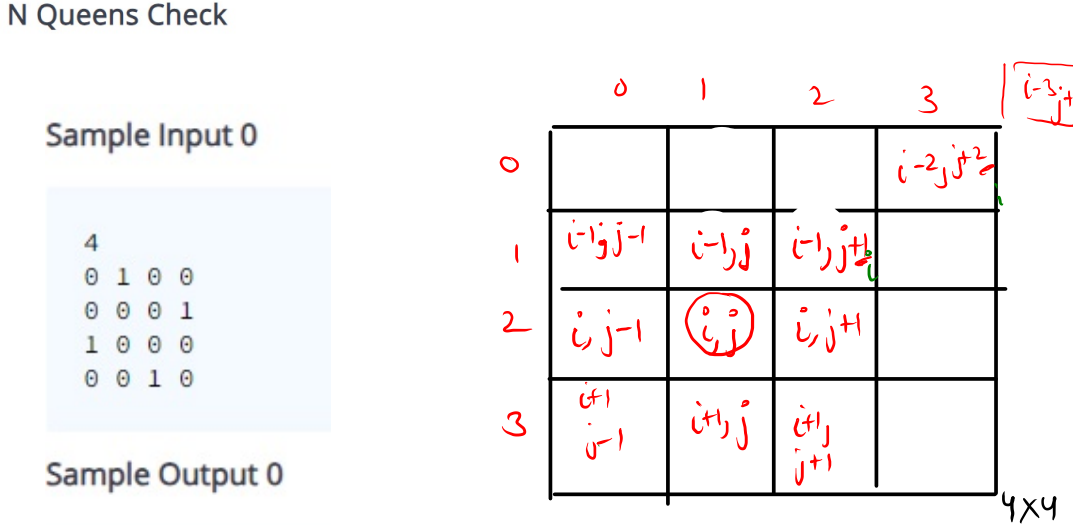
N Queens Check

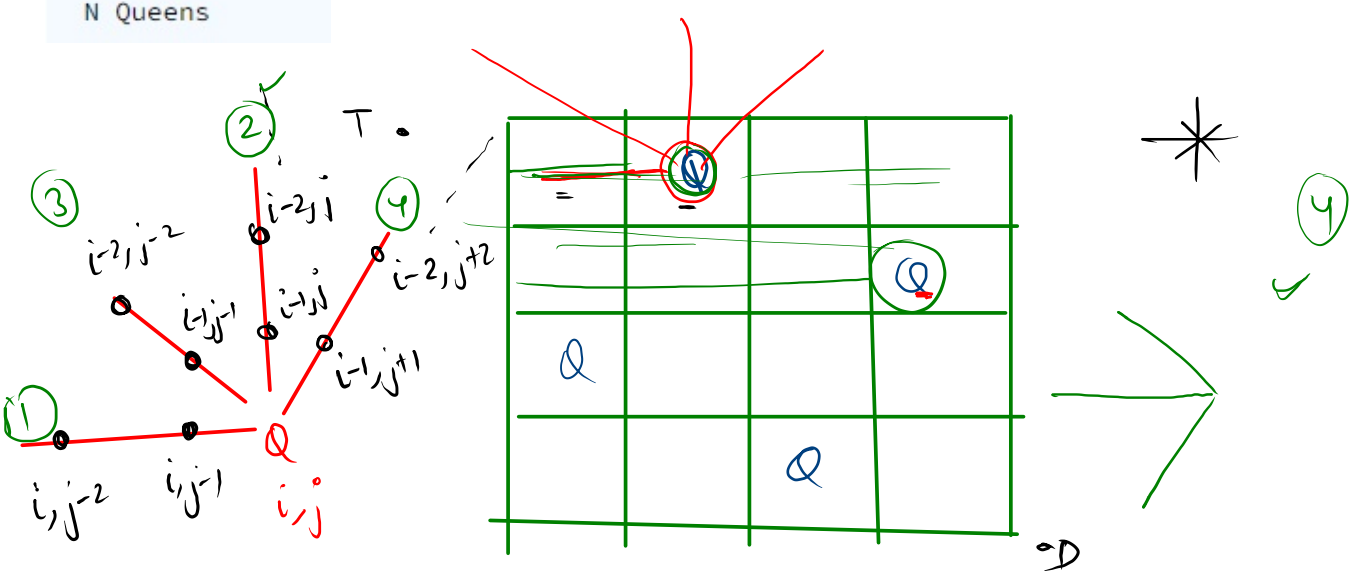
Sample Input 0

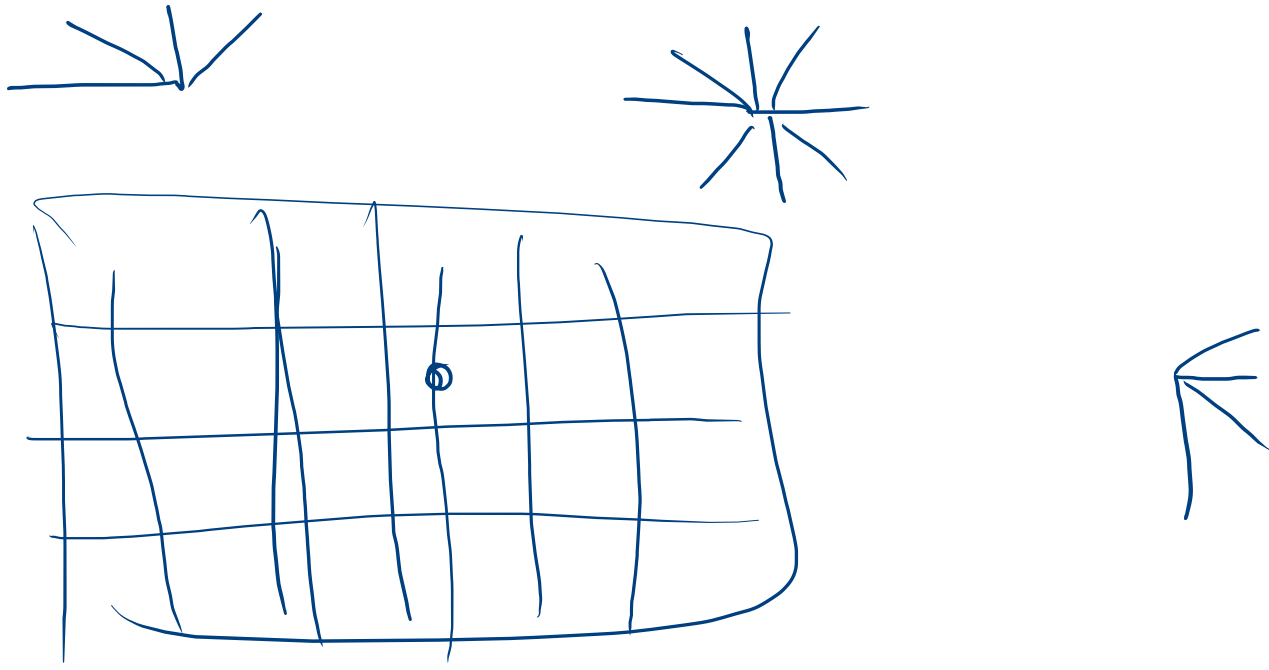
```
4
0 1 0 0
0 0 0 1
1 0 0 0
0 0 1 0
```

Sample Output 0

```
N Queens
```






L → R
T → D
D - T
R - L