Q= if anywhan in the whole soo and column as 1. Step () -> chick if there is any in the from Step@> chick if there is

any I in the

step@ modify now of and colore

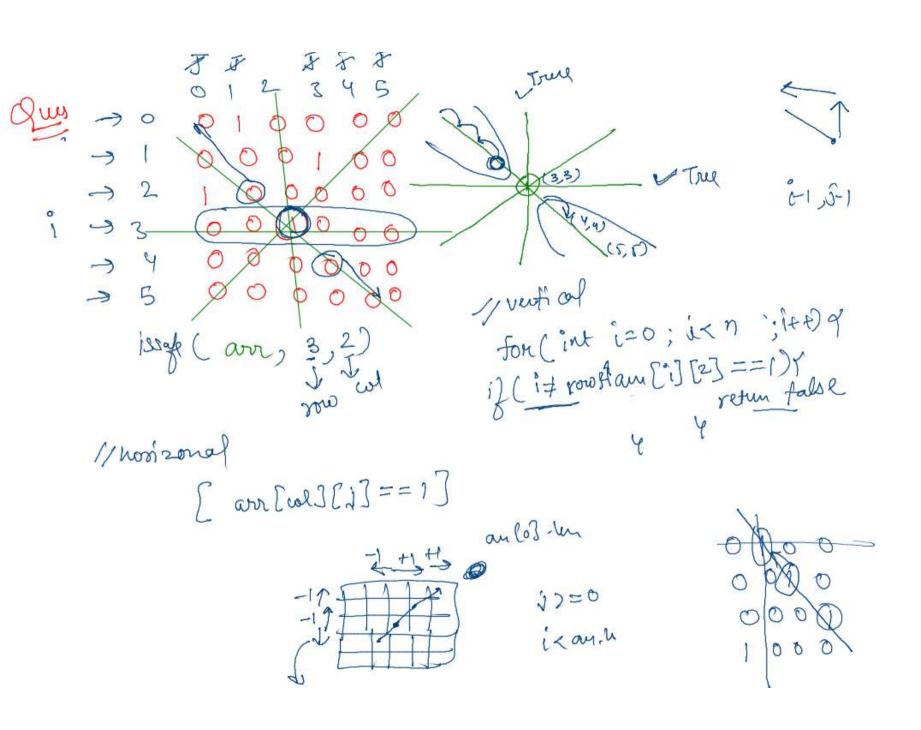
with I if antis [i] =1 (anlis cos ==1/an cos (is =1) tun woulty antiscis=1 of soo and of col

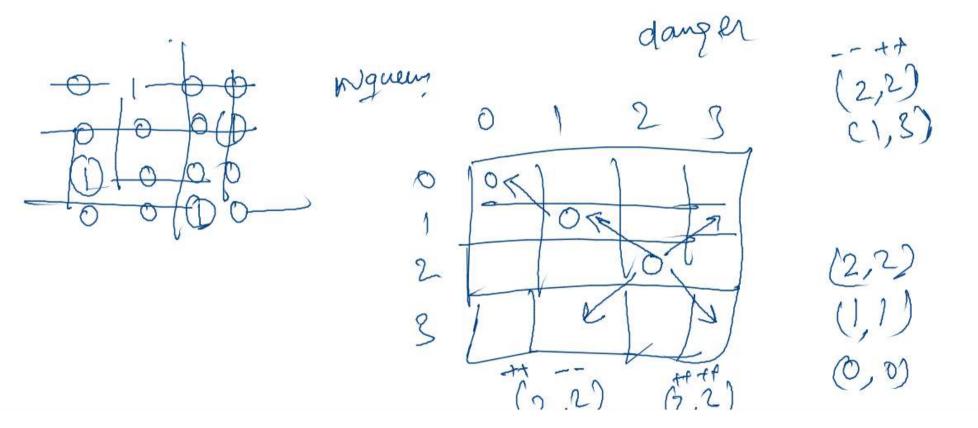
flood ansilled =1

```
for(int j=0;j<col;j++){ <-
   if(arr[0][j]==1){
     firstrowFlag=true;
       break;
}
for(int i=0;i<row;i++){ 1
   if(arr[i][0]==1){
     firstcolFlag=true; 4
                          o(n)
       break:
}
for(int i=1;i<arr.length;i++){</pre>
    for(int j =1;j<arr[0].length;j++){</pre>
       if(arr[i][j]==1){-
           arr[0][j]=1;
           arr[i][0]=1;
for(int i=1;i<arr.length;i++){
    for(int j =1;j<arr[0].length;j++){</pre>
       if(arr[0][j]==1 || arr[i][0]==1){
           arr[i][j]=1;
}
 if(firstrowFlag){
       for(int j=0;j<col;j++){</pre>
            arr[0][j]=1;
                                             0(n)
 if(firstcolFlag){
       for(int i=0;i<row;i++){
            arr[i][0]=1;
```

It of squan i's array -> 2-> 4 + 5 15 subsquare notoix 0 17 (ansis 15)==1) int count =0; (for(int i=0;i<n;i++){ for(int j=0;j<m;j++){ if(arr[i][j]==1){ int size=1; count++; boolean square= true;

while(square && i+size<n && j+size<m){ //for row for(int k=i;k<=i+size;k++){if(arr[k][j+size]==0){ square=false; break; //for col for(int k=j;k<=j+size;k++){ if(arr[i+size][k]==0){ square=false; break; if(square){ count++: size++; Square System.out.println(count):





```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[][] arr= new int[n][n];
    for(int i=0;i<n;i++){
        for(int j =0;j<n;j++){
            arr[i][j]= scn.nextInt();
    }
    solution(arr);
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be a
}
public static void solution(int[][] arr){
    boolean flag=false;
    for(int i=0;i<arr.length;i++){</pre>
        for(int j=0;j<arr[0].length;j++){</pre>
            if(arr[i][j]==1){
                if(isSafe(arr,i,j)==false){
                    flag=true;
                    break;
            }
        }
    }
    if(flag){
        System.out.println("Danger");
    }else{
        System.out.println("N Queens");
    }
```

```
public static boolean isSafe(int[][] arr, int row, int col){
    //vertical check
    for(int i=0;i<arr.length;i++){</pre>
        if(i!=row && arr[i][col]==1){
            return false;
    }
    //horizontal check
    for(int j=0;j<arr[0].length;j++){</pre>
        if(j!=col && arr[row][j]==1){
            return false;
    }
    //right diagonal check
    int i= row-1;
    int j = col-1;
    while(i>=0 && j>=0){
        if(arr[i][j]==1){
            return false;
        i--;
        j--;
    i = row + 1;
    j = col+1;
    while(i<arr.length && j<arr[0].length){</pre>
        if(arr[i][j]==1){
            return false;
        i++;
        j++;
```

```
//left diagonal
i= row-1;
j = col+1;
while(i>=0 && j<arr[0].length){
    if(arr[i][j]==1){
        return false;
    i--;
    j++;
i= row+1;
j = col-1;
while(j>=0 && i<arr.length){
    if(arr[i][j]==1){
        return false;
    j++;
    j--;
return true;
```