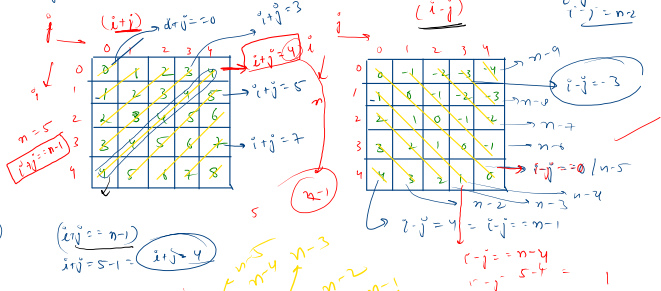


Diagonal Matrix \rightarrow Square matrix $\rightarrow n \times n$



1	0	1	2	3	4	5
7	1	6	7	8	9	10
13	2	11	12	13	14	15
19	3	14	17	18	19	20
25	4	21	22	23	24	25

5
9
13
17
21

public class Solution {

public static void main(String[] args) {

/* Enter your code here. Read input from STDIN. Print output to STDOUT */

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();
    }
}
```

```
for(int i=0;i<n;i++){
    for(int j=0;j<n;j++){
        if(i-j==0){
            System.out.println(arr[i][j]);
        }
    }
}
```

$(i-j == n-1 \vee i-j == 0) \rightarrow$ by row \rightarrow not \rightarrow $i=j$

0	X	-	-	-	X
1		X		X	
2			X		
3		X		X	
4	X				X

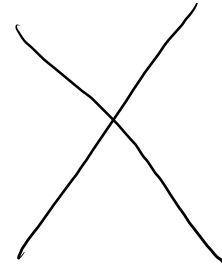
$\text{if } (i-j == 0 \vee i+j == n-1)$
 $\text{Eyes ("X")};$
 else
 Eyes

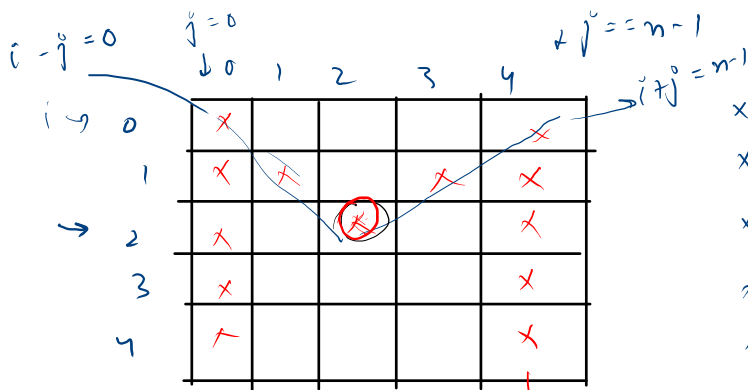
```
for(int i=0;i<n;i++){  
    for(int j=0;j<n;j++){  
        if(i-j==0 || i+j==n-1){  
            System.out.print("* ");  
        }else {  
            System.out.print(" ");  
        }  
    }  
    System.out.println();  
}
```

$$i+j = n$$

$$n = 5$$

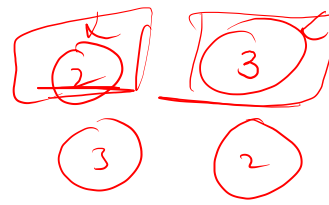
6





$7 \text{ col} \rightarrow 2, 5$

$5 \rightarrow \text{int } 2$



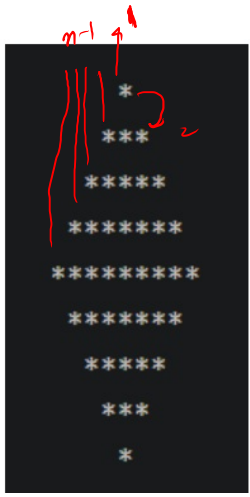
$n/2$

$\frac{n}{2} = \frac{5}{2} = 2 \quad j < \frac{n}{2}$



$\rightarrow n \pm$
 n is always odd
~~are~~

$n \leq$

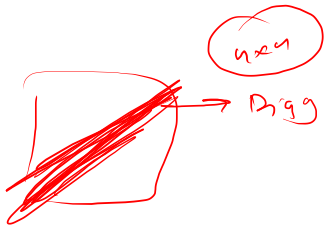


$$2 \times n - 1 = 9$$

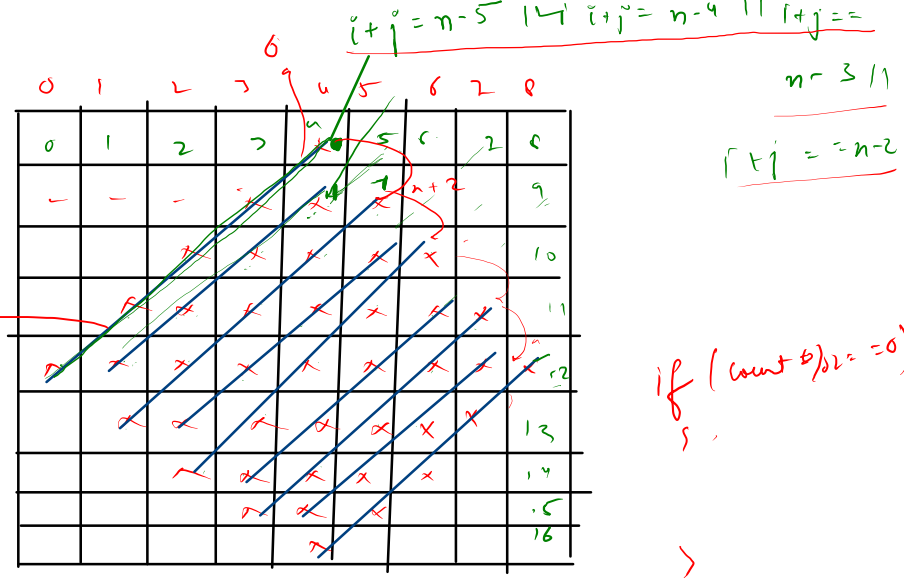
$$\frac{1}{2}$$

count = 0 \rightarrow even \rightarrow 2
 \downarrow
 3

count \rightarrow odd \rightarrow 4
 \downarrow
 $(n-1)$



$n \leq p, n \leq t$



if (count % 2 == 0)

else {
 sys.o(n-1)
}