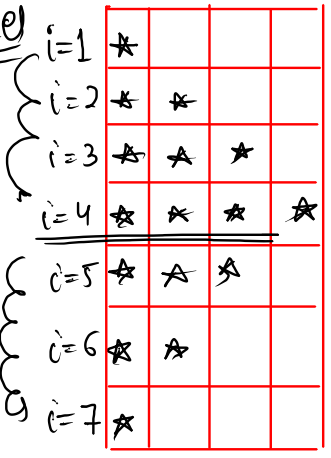
n=7

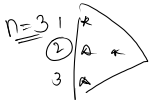
Duel

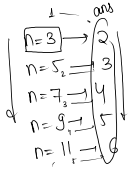


st
1
2
3
4
3
2
1

(n is always odd)

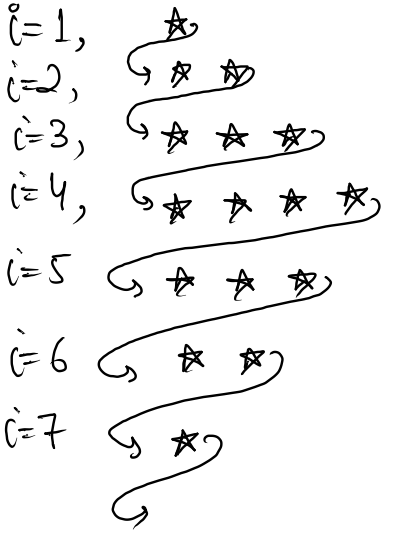
$$\text{ans} = \left(\frac{n}{2} + 1\right)$$

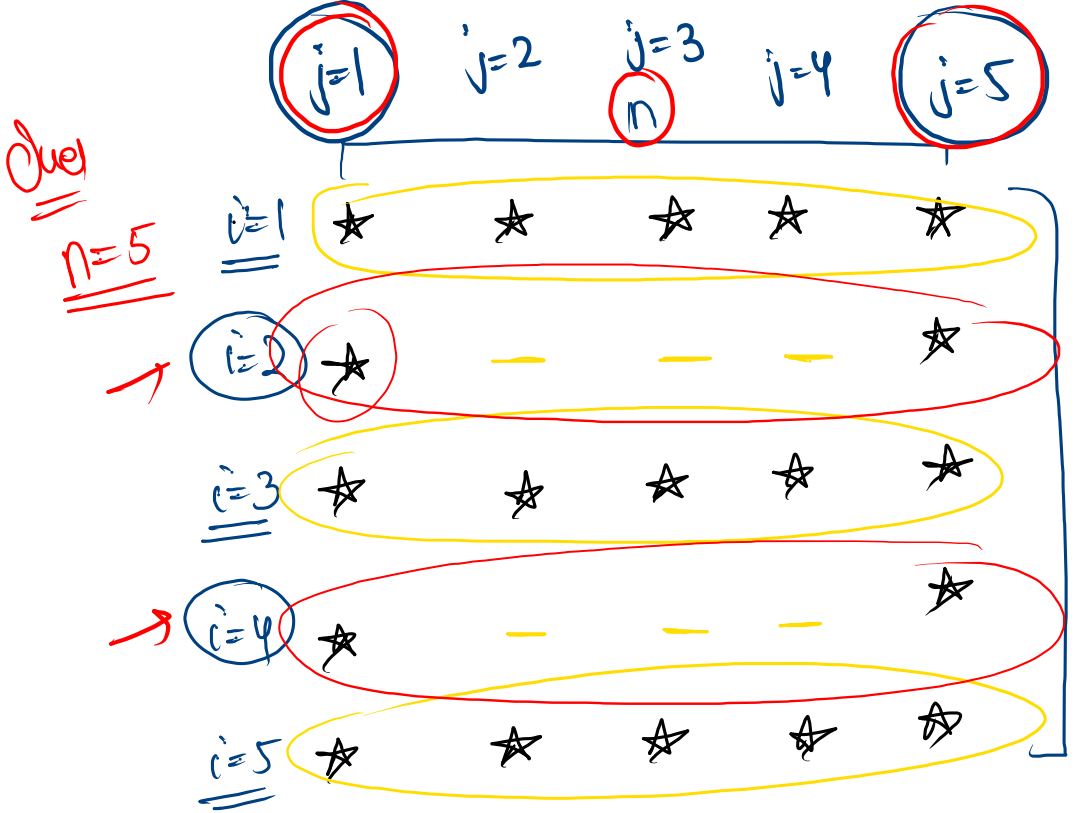





```java
int n = scn.nextInt();
int st = 1;
for (int i = 1; i <= n; i++) {  // no of rows
    for (int j = 1; j <= st; j++) {
        System.out.print("*" + " ");
    }
    System.out.println();
    if (i < n / 2 + 1) {
        st++;
    } else {
        st--;
    }
}
```

st = 1 2 3 4 3 2 1 0



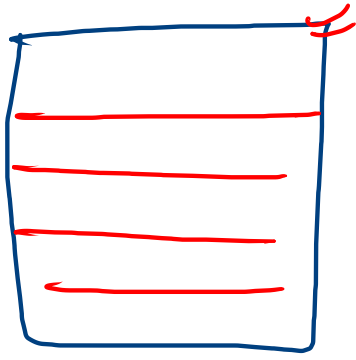


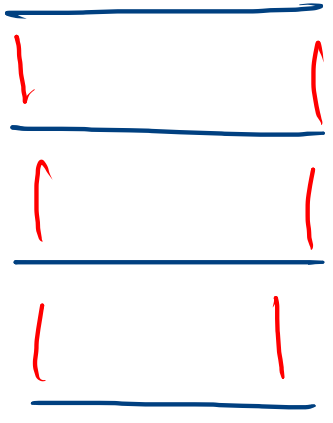
Odd i = all stars (n)

= even i = first & last is star
else space

```java
Scanner scn = new Scanner(System.in);
int n = scn.nextInt();

for (int i = 1; i <= n; i++) {  // no of rows

    if (i % 2 == 0) {   // even

        for (int j = 1; j <= n; j++) {
            if (j == 1 || j == n) {
                System.out.print("*\t");
            } else {
                System.out.print("\t");
            }
        }

    } else {    // odd

        for (int j = 1; j <= n; j++) {
            System.out.print("*\t");
        }

    }

    System.out.println();
}
```

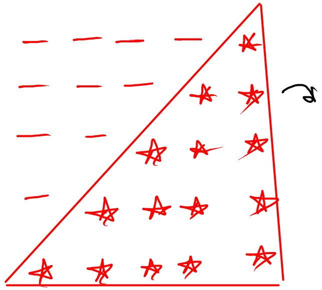
n





Ques

n=5



n=5

i=1	-	-	-	-	1
i=2	-	-	-	2	3
i=3	-	-	4	5	6
i=4	-	7	8	9	10
i=5	11	12	13	14	15

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int k = 1;
    for (int i = 1; i <= n; i++) {  // no of rows
        // for spaces
        for (int j = 1; j <= n - i; j++) {
            System.out.print(" ");
        }

        // for stars
        for (int j = 1; j <= i; j++) {
            System.out.print(k++);
            // k++;
        }

        System.out.println();
    }
}
```

sp	st
4	1
3	2
2	3
1	4
0	5

// no. of spaces
// no of stars

sp = n-i
st = i

Quel