Revision.

0th → 4 spaces.

n=5

space = (n-1) = ~~4~~ 3 2 1 0

star = 1 2 3 4 5 6

=1

Sample Out

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

int star = 1;
int space = n-1;

for(int row = 0; row < n; row++){
    //space
    for(int csp = 0; csp < space; csp++){
        System.out.print(" ");
    }
    //star
    for(int cst = 0; cst < star; cst++){
        System.out.print("*");
    }
    star++;
    space--;
    System.out.println();
}
```

row: 0 1 2 3 4 5

0<5 ✓

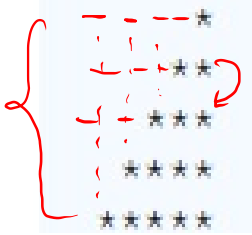
1<5 ✓

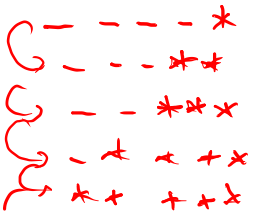
2<5 ✓

3<5 ✓

4<5 ✓

5<5 X





Pattern -6.

row! = n

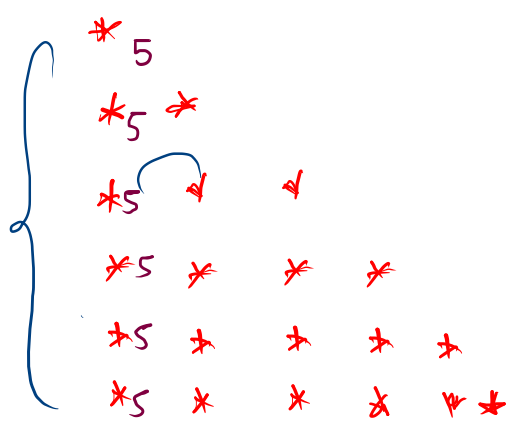
```
6
```

n

val = 5.

Sample Output 0

```
5
5    10
5    10    15
5    10    15    20
5    10    15    20    25
5    10    15    20    25    30
```



code ?

Yes

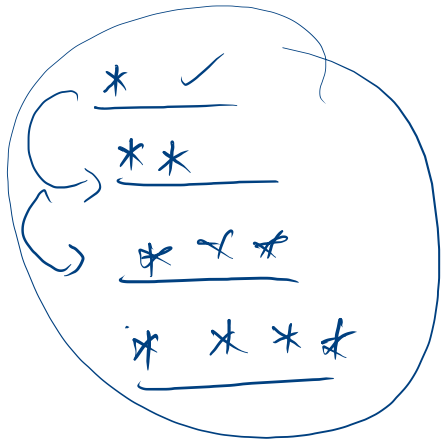
Pattern - 4.

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

    int star = 1;

    for(int row = 0; row < n; row++){

        for(int cst = 0; cst < star; cst++)
            System.out.print("*" + " ");

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

n = 4

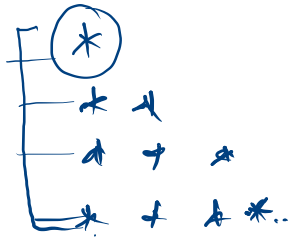
row = n

star = 1 2 3



r = 1

0th



cst = 0 1 2

0 < 2 ✓

1 < 2 ✓

2 < 2 ✗

Pattern 7 - Print a hollow m by n star rectangle.

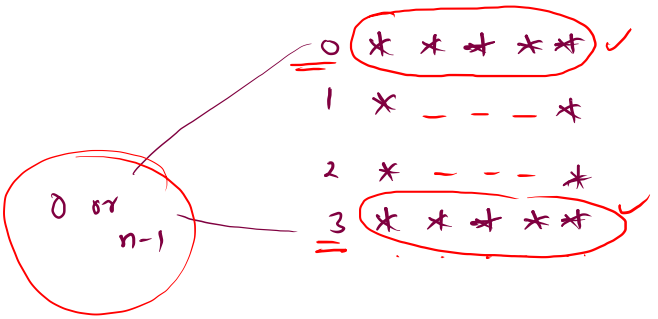
```
7
8
```

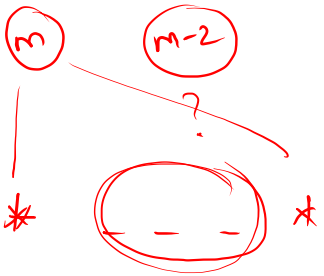
m → col = 7
n → rows (lines) = 8

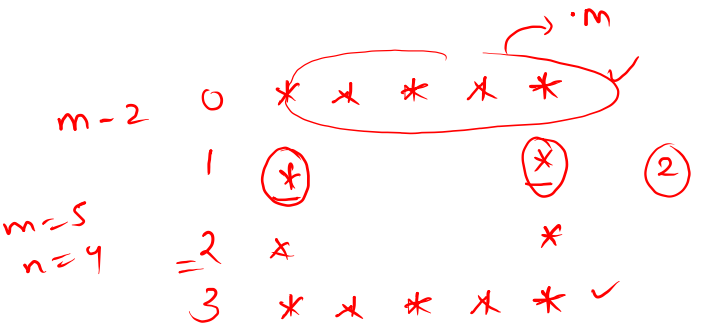
Sample Output 1

m=5 (* * * * *)

n=4. ___(rows)



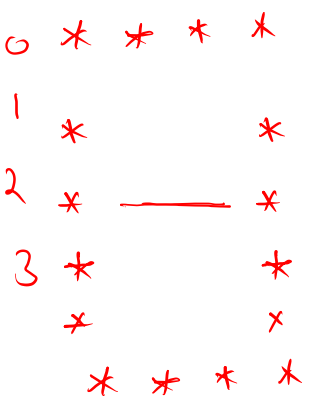




i=0 || i==n/2

m = 4

n = 6



n/2

Pattern 8 - Print a hollow square without top

row? = n

n = 5

Sample Output (

n-2

if (row == n-1)
{

}
else
{

}

```java
int n = scn.nextInt();

for(int row = 0; row < n; row++){
    if(row == n-1){
        //n stars
        for(int cst = 0; cst < n; cst++){
            System.out.print("*");
        }
    }
    else{
        System.out.print("*");
        for(int csp = 0; csp < n-2; csp++){
            System.out.print(" ");
        }
        System.out.print("*");
    }

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

n = 5.

0<5 ✓

1<5 ✓

row = 0 1 2 3 4 5

5<5 ✗

cst = 0 1 2 3 4 5

0<5 ✓

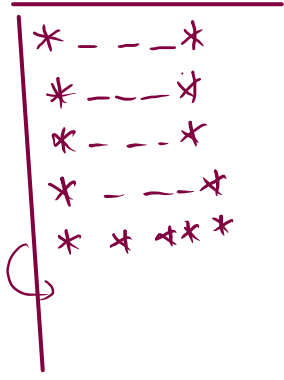
1<5 ✓

2<5 ✓

3<5 ✓

4<5 ✓

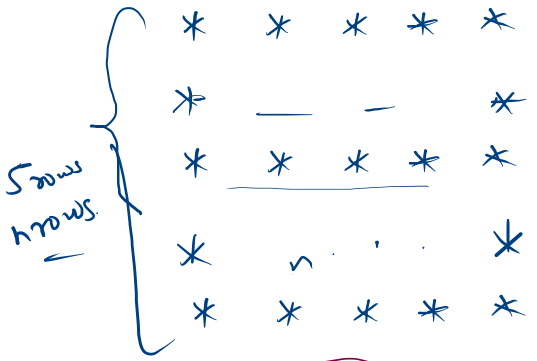
5<5 ✗



Pattern 9

n => odd.

n=5

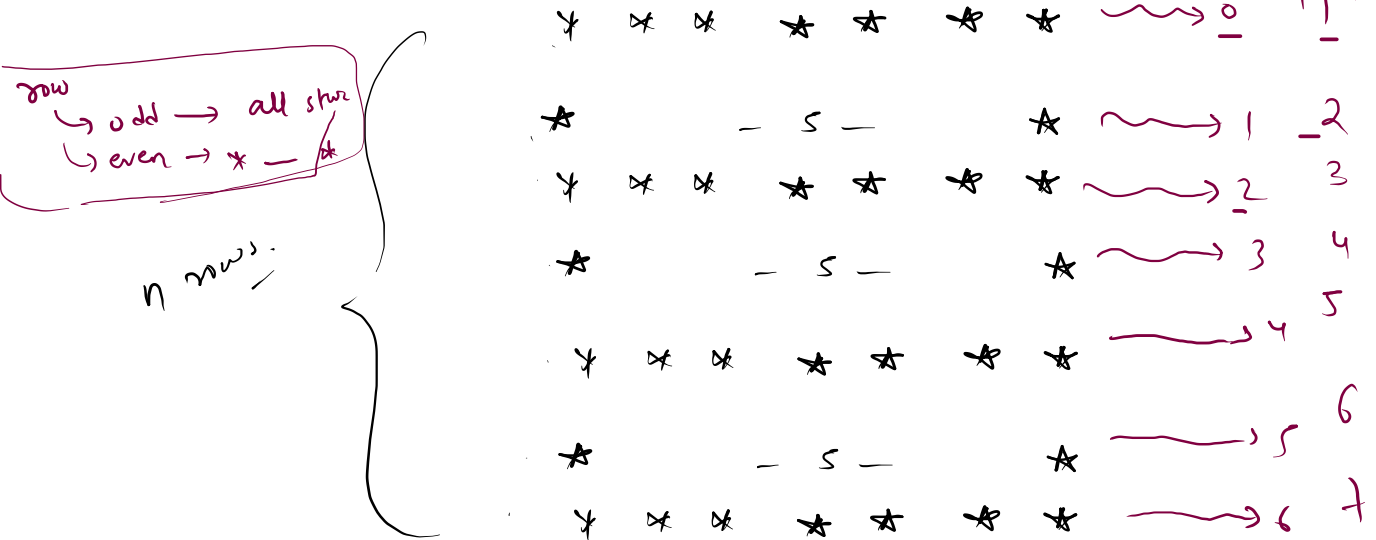


odd even concept.

n=7

0 ... n-1

1 ... n



Pyramid.

rows = ? → n rows.

n = 5

1st { star = 1
space = n-1

for (n rows)

{
— space —
— star —
}

next
star++
space--

Sample Output 0