

Pattern-2

n=7

```

* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *

```

n = n

for (i = 1 to n) {

for (j = 1 to n) {

{

val = j % 5;

{

n =

"/t"

"/t"

val = 5
if (val % 5 == 0) {

sym = "x"

for (col = 1 to n) {

n = 5 10 15

5 10 15 20

Pattern Square

```

row 1 1 2 3 4 5
row 2 1 2 3 4 5
row 3 1 2 3 4 5
row 4 1 2 3 4 5
row 5 1 2 3 4 5

```

n = 5
nsp = pos. (i, j)

n = 5

1 % 2 == 1

for (row = 1 to n) {

for (col = 1 to n) {

if (row % 2 == 1 || col % 2 == 1) {

sym = "x";

else {

sym = " ";

if (row % 2 == 1)

```

* * * * *
* - - - *
* * * * *
* - - - *
* * * * *

```

row = 1

```

1 * * * * *
2 * * * * *
3 * * * * *
4 * * * * *
5 * * * * *
6 * * * * *
7 * * * * *

```

```

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

```

```

    for (int row = 1; row <= n; row++) {
        for (int col = 1; col <= n; col++) {
            if (row % 2 == 1 || col % 2 == 1) {
                System.out.print("x");
            } else {
                System.out.print(" ");
            }
        }
        System.out.println();
    }
}

```

```

row 1 1 2 3 4 5
row 2 1 2 3 4 5
row 3 1 2 3 4 5
row 4 1 2 3 4 5
row 5 1 2 3 4 5

```

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

Ques

$n=5$
 ① \hookrightarrow (- - - -) *
 ② \hookrightarrow - - - (*) *
 ③ \hookrightarrow - - (*) (*) *
 ④ \hookrightarrow - * * * *
 ⑤ \hookrightarrow * * * * *

$nsp = n - 1$
 $nst = 1$

for (row 1 to n) {
 for (sp 1 to nsp) {
 " "
 }
 for (st 1 to nst) {
 " * "
 }
 $nsp--$;
 $nst++$;
 sym();
 }

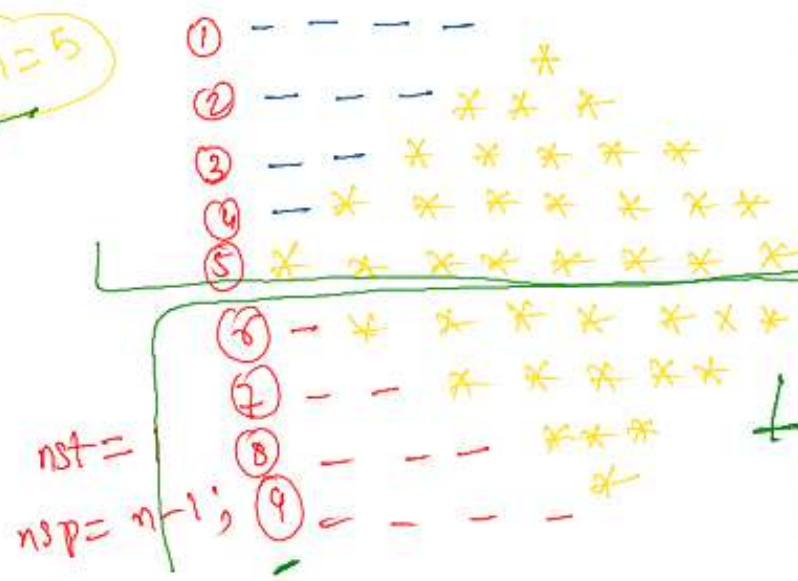
```

public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int nsp = n - 1;
    int nst = 1;
    for (int row = 1; row <= n; row++) {
        for (int sp = 1; sp <= nsp; sp++) {
            System.out.print(" ");
        }
        for (int st = 1; st <= nst; st++) {
            System.out.print(" * ");
        }
        nst++;
        nsp--;
        System.out.println();
    }
}
  
```

① \hookrightarrow - - - - *
 ② \hookrightarrow - - - * *
 ③ \hookrightarrow - - * * *
 ④ \hookrightarrow - * * * *
 ⑤ \hookrightarrow * * * * *

$1 \leq 0$

$n=5$



row	nst	nsp
1	1 $\downarrow +2$	4 $\downarrow -1$
2	3 $\downarrow +2$	3 $\downarrow -1$
3	5 $\downarrow +2$	2 $\downarrow -1$
4	7 $\downarrow +2$	1 $\downarrow -1$
5	9 $\downarrow +2$	0 $\downarrow -1$
6	7 $\downarrow -2$	1 $\downarrow +1$
7	5 $\downarrow -2$	2 $\downarrow +1$
8	3 $\downarrow -2$	3 $\downarrow +1$
9	1 $\downarrow -2$	4 $\downarrow +1$



~~row~~

$(row \leq n)$

$nst += 2;$
 $nsp --;$

$\{$
 else $\{$
 $nsp ++;$
 $nst -= 2;$
 $\}$

for (int row = 1; row <= (2*n)-1; row++)

[for (sp = 1 to nsp) {

[for (st = 1 to nst) {



}

```

public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt(); // 3
    int nst = 1; nsp = n - 1; // 5, 3, 1, -1
    int nsp = n - 1; nsp = 2; // 2, 0, 1, 2, 3
    for (int row = 1; row <= (2 * n) - 1; row++) {
        for (int sp = 1; sp <= nsp; sp++) {
            System.out.print(" ");
        }
        for (int st = 1; st <= nst; st++) {
            System.out.print("*");
        }
        System.out.println();
        if (row < n) { // upper part
            nst += 2;
            nsp--;
        } else { // lower part
            nst -= 2;
            nsp++;
        }
    }
}

```

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

```

1
2  -- * 2
   - * * * 2
   * * * * * 2
   - * * * 2
   -- * 2

```

```

* * * * *
* * - * *
* - - - *
* * - * *
* * * * *

```

n = 5

try at home

```

* * * * *
* * - * *
* - - - *
* * - * *
* * * * *

```

not prof


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

```
int nsp=0;
int nst=n;
```

$n=7$

```
for(int row =1;row<=(n/2)+1;row++){
```

```
    for(int sp = 1;sp<=nsp;sp++){
        System.out.print("\t");
    }
```

```
    for(int st =1;st<=nst;st++){
        System.out.print("*\t");
    }
```

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

```
    nst -=2;
```

```
    nsp++;
```

```
}
```

```
/* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should b
```

```
}
```

\rightarrow * * * * * ✓
 — * * * * *
 — * * *
 — * True

$row <= n$

$n=7$
 $3! = 0$
 True