Print the below pattern below

Given **m** and **n** integer input, where **m** tab separated stars are printed in the first line, and in total there are **n** lines.

Eg. for m=7,n=13 the output is written under.

Recognise the pattern and print the final output.

Input Format

m will be given in the first line,

n will be given in the second line.

Submitted Code

Language: Java 15

```java
import java.io.*;
import java.util.*;

public class Solution {

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

        for(int i=0;i<n;i++){
            for(int j=0;j<m;j++){
                if(i%3==0 || i==n-1 || j==0 || j==m-1)System.out.print("*\t");
                else System.out.print(" \t");
            }System.out.println();
        }
    }
}
```
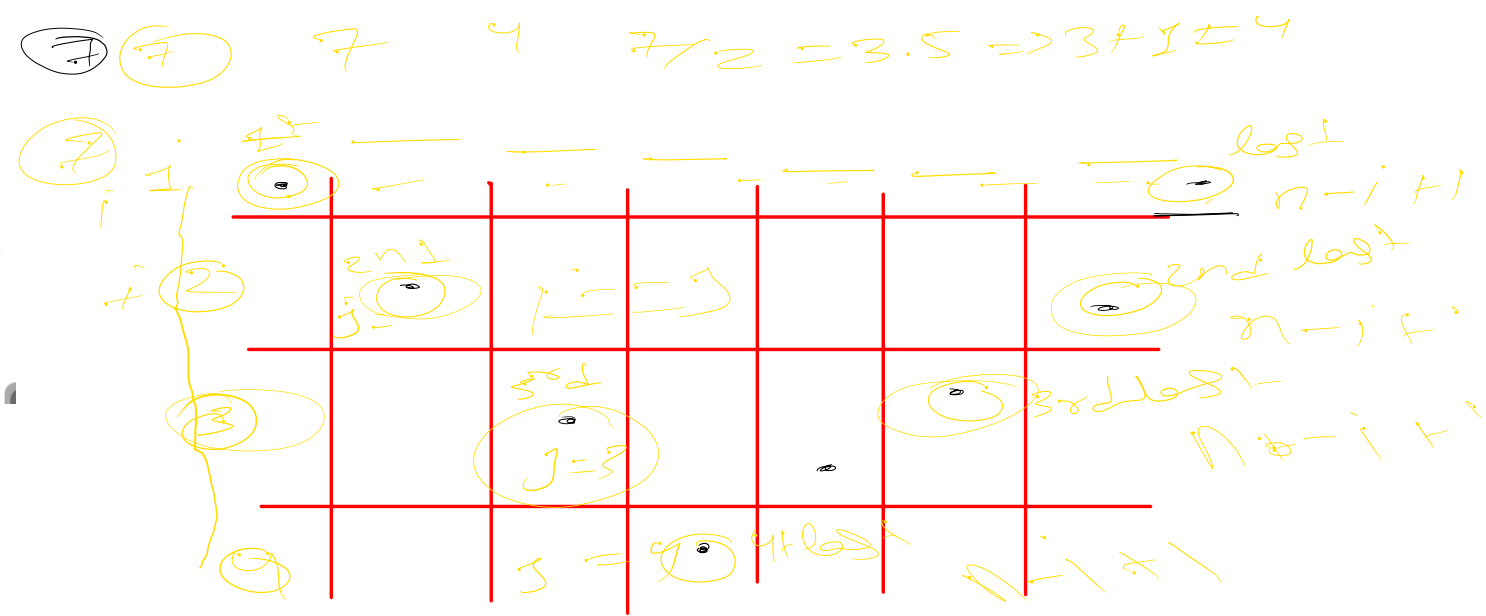
Print the below pattern using nested for and while loop

Note that : between two characters there is a tab.

Eg. for **m=7**, the output is written under.
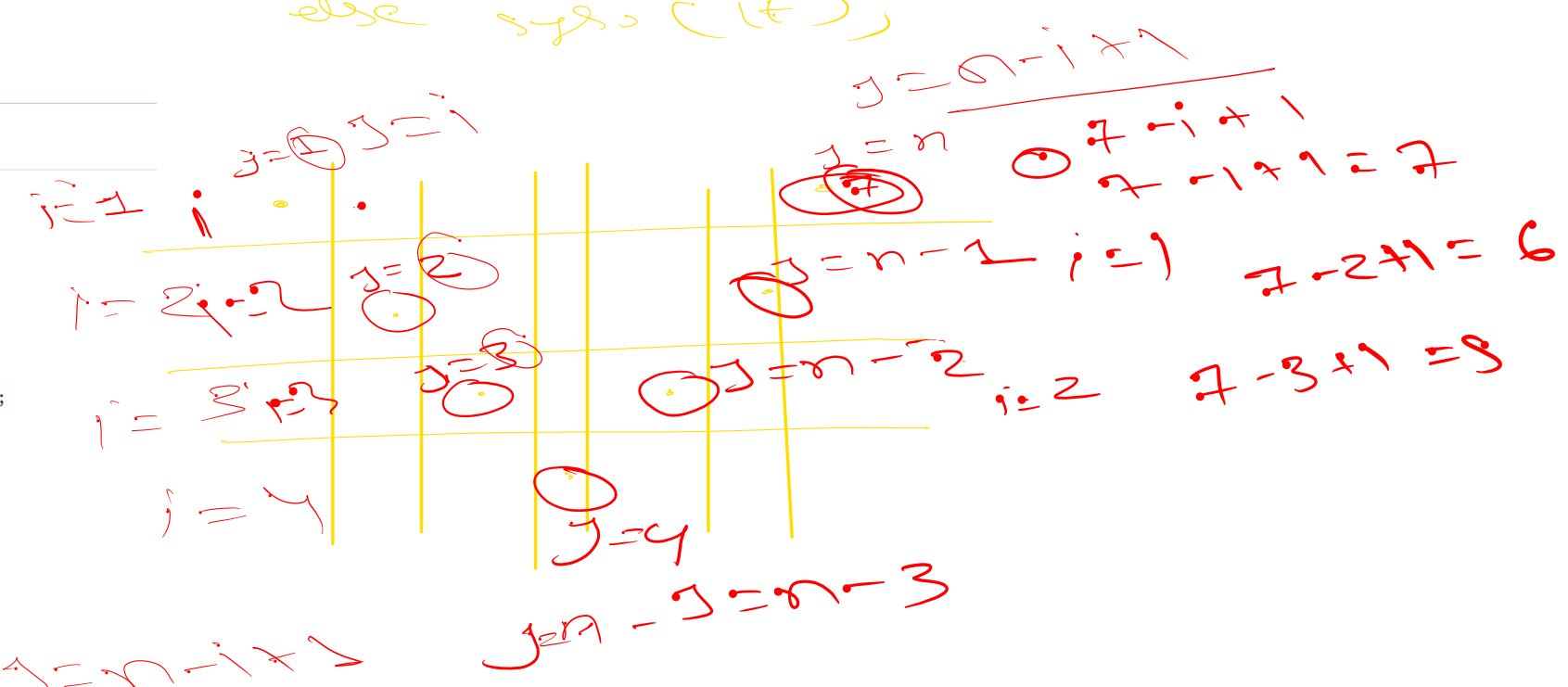
Recognise the pattern and print the final output.

Submitted Code

Language: Java 15

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n =sc.nextInt();
        for(int i=1;i<=n/2+1;i++){
            for(int j=1; j<=n;j++){
                if(j==i || j==n-i+1)System.out.print("*\t");
                else System.out.print("\t");
            }System.out.println();
        }
    }
}
```

Print the below pattern

Given **m** as integer input, where **m** tab separated stars are printed in the first line,

Eg. for **m=7**, the output is written under.

Recognise the pattern and print the final output.

```
*   *   *   *   *   *   *
    *   *   *   *   *
        *   *   *
            *
        *   *   *
    *   *   *   *   *
*   *   *   *   *   *   *
```
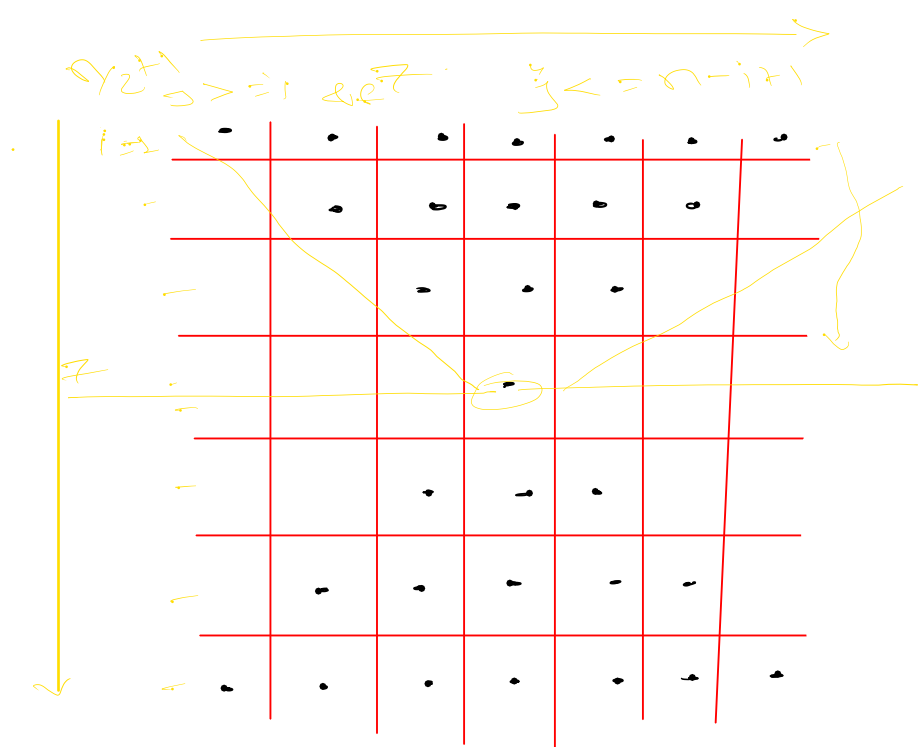
Input Format

m will be given as an integer input in the first line.

Submitted Code

Language: Java 15

```java
import java.io.*;
import java.util.*;

public class Solution {

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

        for(int i=1;i<=n/2+1;i++){
            for(int j=1;j<=n;j++){
                if(j>=i && j<=n-i+1)System.out.print("*\t");
                else System.out.print("\t");
            }
            System.out.println();
        }
        for(int i=n/2; i>=1;i--){
            for(int j=1;j<=n;j++){
                if(j>=i && j<=n-i+1)System.out.print("*\t");
                else System.out.print("\t");
            }
            System.out.println();
        }
    }
}
```

Take an Integer input **n** and **k** and Print the Pattern b

K here Denotes the multiples of **k**.

Input Format

First line **n** take input from user.

Second line **k** take input from user.

Constraints

```
1 <= n <= 100
1 <= k <= 20
```

Output Format

Print the series

Sample Input 0

```
6
7
```

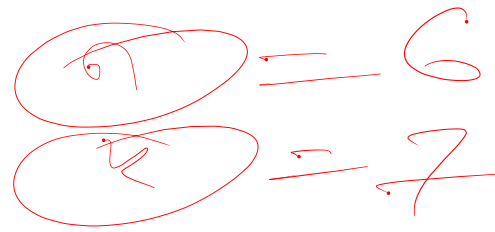**Sample Output 0**

```
                7
             7  14
          7  14  21
       7  14  21  28
    7  14  21  28  35
 7  14  21  28  35  42
```

Explanation 0

n=6 and k=7

Submitted Code

Language: Java 15

```java
import java.io.*;
import java.util.*;

public class Solution {

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

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