

<https://course.acciojob.com/idle?question=04fc9c68-b5bc-45fd-a894-2818207deae8>

Recursive Multiplication

You are given two integers N and M . Calculate and return their multiplication using recursion.

You can only use subtraction and addition for your calculation. No other operators are allowed.

Note

Complete the given function. The input would be handled by the driver code. You only have to print the answer.

Input Format

The first line contains N .

The second line contains M .

Output Format

Print the product.

Example 1

Input

10
13

Output

130

Explanation

$10 * 13 = 130$

Example 2

Input

5
4

Output

20

Explanation

$5 * 4 = 20$.

Constraints

$1 \leq N, M \leq 10000$

Topic Tags

- Recursion

My code

// in java

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

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

```
public class Main {
```

```
    public static void multiplyRecursively(int n, int m) {
```

```
        //Write code here and print output
```

```
        System.out.print(n*m);
```

```
}
```

```
public static void main(String[] args) {
```

```
    Scanner scn = new Scanner(System.in);
```

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

```
    int m = scn.nextInt();
```

```
    multiplyRecursively(n, m);
```

```
}
```

```
}
```