

# "Operation - Modulo"

Mahmud solved some easy math problems from SPOJ and called himself king of number theory. GodFather GodMATHer Rashad heard it and got angry, so he kidnapped Mahmud. Rashad gave him a task called "Operation - Modulo". Mahmud must solve this task, you know what will happen otherwise ;(. In the Operation - Modulo, we define a function  $f(n) = (n \bmod 1) + (n \bmod 2) + (n \bmod 3) + \dots + (n \bmod n)$ , where  $n \bmod x$  donates the remainder when dividing  $n$  by  $x$ . Rashad interests with integers  $n$  such that  $f(n)=f(n-1)$ , so he gave Mahmud two numbers  $L$  and  $R$ , and demands him to find the sum of all integers  $n$  such that  $L \leq n \leq R$  and  $f(n)=f(n-1)$ .

## Input

First and the only line of input contains two positive integers,  $L$  and  $R$  ( $1 \leq L \leq R \leq 10^{18}$ ).

## Output

Print the demanded sum in one line.

## Example

### Input:

1 3

### Output:

3

### Note:

I hope you proved your solution before submitting it :)