

Total Odd V1

There are two integers **L** and **R**, you'll have to count how many odd numbers are there withing the range from L to R inclusive.

All of you know what is a odd number. A number that is not divisible by 2 is called a number.

Input

The only line contain two integers **L**, **R**.

Constraints

$1 \leq L \leq R \leq 100000000$

Output

Print the count of odd numbers from L to R inclusive.

Example

Input:

2 3

Output:

1

[Original Setter of this Problem Dhruba Mitra, RUET]