

Odd Number

How many odd numbers within the range $[a, b]$?

Input

Input file contains multiple test cases. Each test case consists of two integers **a** and **b** within one line, it guarantees that $a \leq b$.

The absolute value of each input integer is in the range $[0, 1024]$.

Output

For each test case, print the number of odd numbers in separate lines.

Sample Input

0 0

0 1

-1 1

Sample Output

0

1

2