

# Easy Math

Zoro is a student of a primary school. He likes to solve mathematical problem. One day he tries to solve a math, but he is unable to solve the problem efficiently because of being a student of primary school. As you are a programmer he wants your help to solve this problem. The problem is to find the sum of some consecutive numbers.

**Example**, if the first number is 2 and the last number is 5, then the result would be

$$2 + 3 + 4 + 5 = 14$$

## Input

Every line contains two integers a and b. Input is terminated by the **end of file**.

## Output

Output the sum the of all numbers between a and b (inclusively).

## Constraints

$$-10^8 \leq (a, b) \leq 10^8$$

## Example

**Input:**

2 5

5 10

**Output:**

14

45