

## Sum of Series

Lili is an elementary school student. She wants to learn addition by adding up all integers from A to B. However, she isn't sure whether her answer is correct. Help her by making a program that checks her answer.

### Format Input

Two integers A and B, the first and last number that Lili wants to add.

#### Format Output

Output an integer, the sum of all integers from A to B.

#### Constraints

•  $1 \le A \le B \le 10^5$ 

### Sample Input (standard input)

12 15

# Sample Output (standard output)

54

# Sample Input (standard input)

1 100

# Sample Output (standard output)

5050

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Lili adalah seorang anak SD. Ia ingin belajar penjumlahan dengan cara menjumlahkan semua bilangan bulat dari A sampai B. Tetapi, ia tidak yakin apakah jawabannya benar. Bantu dia dengan cara membuat program untuk mengecek jawabannya.

#### Format Input

Dua bilangan bulat A dan B, angka pertama dan terakhir yang ingin ditambahkan Lili.

#### Format Output

Output satu bilangan bulat, hasil penjumlahan bilangan bulat dari A sampai B.

#### Constraints

•  $1 \le A \le B \le 10^5$ 

### Sample Input (standard input)

12 15

# Sample Output (standard output)

54

# Sample Input (standard input)

1 100

# Sample Output (standard output)

5050

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