BINUS UNIVERSITY
SCHOOL OF COMPUTER SCIENCE

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

- $1 \leq A \leq B \leq 10^5$

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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Sum of Series

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

- $1 \leq A \leq B \leq 10^5$

Sample Input (standard input)

```
12 15
```

Sample Output (standard output)

```
54
```

Sample Input (standard input)

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1 100
```

Sample Output (standard output)

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5050
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