Add These Numbers

Sometimes, the committee of the 2019 Computing Competitive Programming are too lazy to create a problem. Creating problems requires creativity and good problem-solving skill. In addition, the problem setter needs to write a solution (i.e., a working code) for the problem as well as preparing several test cases. These test cases are later used to check the correctness of the program by means of black-box testing.

This problem is created because one of the problem setters is too busy with academic tasks, but he still wants to create an appropriate problem for a programming contest. Given two positive integers a and b, write a program that add all positive integers between a and b (inclusive). However, since the result of this addition can be too large, you only need to print the result in modulo $10^9 + 7$.

Input Format

The input consists of a single line containing two positive integers a and b.

Constraints

$1 \leq a \leq b \leq 10^9$

Output Format

The output is just a number c which is equal to the sum of all integers between a and b (inclusive) modulo $10^9 + 7$.

Sample Input 0

```
5 10
```

Sample Output 0

```
45
```

Explanation 0

For this example, we compute $5 + 6 + 7 + 8 + 9 + 10$ and reduce the result to modulo $10^9 + 7$. Therefore, the output is 45.

Sample Input 1

```
99999997 1000000000
```

Sample Output 1

```
385000015
```

Explanation 1

For the second example, we calculate $999999997 + 999999998 + 999999999 + 1000000000$ and reduce the result to modulo $10^9 + 7$. The output is 385000015.