E. Sum of Remainders

time limit per test: 2 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

Calculate the value of the sum: $n \bmod 1 + n \bmod 2 + n \bmod 3 + ... + n \bmod m$. As the result can be very large, you should print the value modulo $10^9 + 7$ (the remainder when divided by $10^9 + 7$).

The modulo operator $a \bmod b$ stands for the remainder after dividing a by b. For example $10 \bmod 3 = 1$.

Input

The only line contains two integers n, m ($1 \le n, m \le 10^{13}$) — the parameters of the sum.

Output

Print integer s — the value of the required sum modulo $10^9 + 7$.

Examples

input
3 4
output
4

input
4 4
output
1

input
1 1
output
0