MNYC '16: King Modulus

Time limit: 2.0s **Memory limit:** 256M

Atharva hates modulo (long story). Due to this hate, he learned everything possible about modulo and has been self-named King Modulus. He wants you to share his frustration of modulo by giving you a task. Given two integers N and M, find the value of $N \bmod M$. The answer for $N \bmod M$ can be viewed as the remainder of a division, where N is the dividend and M is the divisor. The result of a modulo operation is always non-negative. Here is an example of how the modulo operation works:

$$N \bmod M = (N - M) \bmod M = (N - 2M) \bmod M = \cdots = (N + M) \bmod M = (N + 2M) \bmod M = \ldots$$

For example, $7 \bmod 4$ is:

$$7 \bmod 4 = 3 \bmod 4 = -1 \bmod 4 = \cdots = 11 \bmod 4 = 15 \bmod 4 = \cdots = 3$$

Input Specification

A single line containing N and M separated by a single space.
$-10^9 \leq N \leq 10^9$
$1 \leq M \leq 10^6$

Output Specification

One line containing the result of $N \bmod M$.

Sample Input 1

```
7 4
```

Sample Output 1

```
3
```

Sample Input 2

```
15 3
```

Sample Output 2

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0
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