P1226 [Template] Fast Power

题目描述

Given three integers a, b, p, compute $a^b \bmod p$.

输入格式

The input contains a single line with three integers representing a, b, p.

输出格式

Output one line with the string `a^b mod p=s` , where a, b, p are the given values and s is the result.

输入输出样例 #1

输入 #1

```
2 10 9
```

输出 #1

```
2^10 mod 9=7
```

说明/提示

Sample Explanation:

$2^{10} = 1024$，$1024 \bmod 9 = 7$.

Constraints:

For 100% of the testdata, it is guaranteed that $0 \leq a, b < 2^{31}$, $a + b > 0$, $2 \leq p < 2^{31}$.

Translated by ChatGPT 5