

Problem D: Division

Given t , a , b positive integers not bigger than 2147483647, establish whether $(t^a - 1)/(t^b - 1)$ is an integer with less than 100 digits. Each line of input contains t , a , b . For each line of input print the formula followed by its value, or followed by "is not an integer with less than 100 digits.", whichever is appropriate.

Sample Input

```
2 9 3
2 3 2
21 42 7
123 911 1
```

Output For Sample Input

```
(2^9-1)/(2^3-1) 73
(2^3-1)/(2^2-1) is not an integer with less than 100 digits.
(21^42-1)/(21^7-1) 18952884496956715554550978627384117011154680106
(123^911-1)/(123^1-1) is not an integer with less than 100 digits.
```