

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.

## Input

Each line of input contains  $t$ ,  $a$ ,  $b$ .

## Output

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
```

## Sample Output

```
(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.
```