

# STUNNING GCD

## Problem statement:

You are given three numbers  $N$ ,  $a$ ,  $b$ . You can build a number  $X$  by repeating  $N$  ' $a$ ' times and the number  $Y$  by repeating  $N$  ' $b$ ' times. Now that you have the numbers  $X$  and  $Y$ , determine the GCD of the two numbers  $X$  and  $Y$ .

## Input format:

The first line contains an integer  $T$ , the number of test cases.

Then for each test case, there are three integers in each line:  $N$ ,  $a$ ,  $b$ .

## Output format:

Print the required answer for each test case in a single line.

## Constraints:

$$1 \leq T \leq 100$$

$$1 \leq N, a, b \leq 10^{18}$$

## Sample input:

```
1
123 2 3
```

## Output:

```
123
```