Problem A1
Divisibility (Easy Version)

Time limit: 1 second
Memory limit: 2048 megabytes

Problem Description

Given two positive integers a and b, we create an ascending array of positive integers that are divisible by either a or b, **but not both simultaneously**.

For example, if $a = 2$ and $b = 3$, the initial terms of the list would be: $2, 3, 4, 8, 9, 10, 14, 15, 16, \ldots$. Your task is to find the k-th term in this array.

Input Format

The first line of the input contains an integer t denoting the number of testcases. Each of the following t lines contains three positive integers a, b and k.

Output Format

For each testcase, output the k-th term of the array in one line.

Technical Specification

- $1 \leq t \leq 1000$
- $1 \leq a < b \leq 10000$
- $1 \leq k \leq 10000$
- It is guaranteed that the answer would not exceed 10000.

Sample Input 1

```
12
1 2 1
1 2 2
2 3 1
2 3 2
2 3 3
2 3 4
3 6 1
3 6 2
37 61 100
42 91 123
9999 10000 1
9999 10000 2
```

Sample Output 1

```
1
3
2
3
4
8
3
9
2368
3948
9999
10000
```