B. Tab Closing

time limit per test: 1.5 seconds
memory limit per test: 256 megabytes

You've been staring at your computer screen for too long; it is time to give it a break and go touch some grass.

Your screen is a line of length a, and there are n tabs displayed on it. You want to close all of the tabs by clicking on the x's at their right endpoint.

Every tab is a segment of length $\text{len} = \min(b, \frac{a}{m})$, where m is the number of remaining tabs. The tabs are always tightly arranged in sequence from the left endpoint of the screen; that is, the x's will be at $\text{len}, 2 \cdot \text{len}, 3 \cdot \text{len}, \ldots, m \cdot \text{len}$ units away from the left endpoint. Please note that the length of each tab will change as you are closing tabs.

Now your cursor is at the left endpoint of the screen. You wonder what the minimum number of **times** you need to move the mouse to close all tabs is.

If you have difficulty understanding the statement, you may also refer to your browser tab for a visualization, or click here.

Codeforces Round 1064 (Div. 2)

比赛进行中

01:42:40

Contestant

→ 提交?

语言: GNU G++17 7.3.0

选择文件: 选择文件 未选择文件

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.

提交

→ 评分表

	Score
Problem A	470

您的屏幕是一条长度为 a 的线，上面显示有 n 个标签页。您想通过点击标签页右端点的 x 来关闭所有标签页。

每个标签页都是一个长度为 $\text{len} = \min(b, \frac{a}{m})$ 的段，其中 m 是剩余标签页的数量。标签页总是从屏幕左端点开始依次紧密排列；也就是说，x 在距离左端点 $\text{len}, 2 \cdot \text{len}, 3 \cdot \text{len}, \ldots, m \cdot \text{len}$ 个单位处。请注意，在关闭标签页时，每个标签页的长度都会发生变化。

现在，光标位于屏幕的左端点。你想知道关闭所有标签页最少需要移动鼠标多少次。

如果您难以理解这句话，也可以参考浏览器标签页的可视化效果，或点击 **此处**。

Input

Each test contains multiple test cases. The first line contains the number of test cases t ($1 \le t \le 10^4$). The description of the test cases follows.

Each test case is a line of three integers a, b, and n ($1 \le b \le a \le 10^9$, $1 \le n \le 10^9$).

DeepL 翻译

输入

每个测试包含多个测试用例。第一行包含测试用例的数量 t（$1 \le t \le 10^4$）。测试用例说明如下。

每个测试用例都是由三个整数 a，b 和 n 组成的一行（$1 \le b \le a \le 10^9$，$1 \le n \le 10^9$）。

Output

For each test case, output a single integer — the minimum number of times you need to move the mouse to close all tabs.

DeepL 翻译

输出

对于每个测试用例，输出一个整数 - 您需要移动鼠标关闭所有选项卡的最少次数。

Example

input Copy

Problem B	705
Problem C	940
Problem D	1410
Problem E	1880
Problem F	2820
Successful hack	100
Unsuccessful hack	-50
Unsuccessful submission	-50
Resubmission	-50

* If you solve problem on 00:15 from the first attempt

```
12
8 1 6
9 6 2
10 3 1
10 1 10
9 2 1
5 5 6
6 2 7
9 1 9
3 2 6
8 1 7
8 1 9
8 2 4
```

output Copy

```
1
2
1
1
1
1
2
1
2
1
2
1
```

Note

In the first test case, a possible course of action is to move your cursor to 1 and press 6 times.

In the second test case, a possible course of action is to move your cursor to 4.5 and press once, then move it to 6 and press again. It can be proved that the tabs cannot be closed with less than 2 moves.

DeepL 翻译

注

在第一个测试案例中，可能的操作方法是将光标移至 1 并按下 6 次。

在第二个测试用例中，可能的操作步骤是将光标移至 4.5 并按下一次，然后移至 6 并再次按下。可以证明，移动次数少于 2 时，无法关闭标签页。