## Area and line

Esraa, Morgan, Hussein and Yasser didn't love geometry but Abdelkarim loved it so much. Abdelkarim (the coach) decided to challenge them, he gave them a linear function and he wanted them to calculate the area between the line, $x$-axis and $y$-axis.

They want you to help them solve this problem. You will be given $a, b, c$ as $a y=b x+c$.
find the area between this line, $x$-axis and $y$-axis
It is guaranteed that the area is an integer number .
it is guranteed that the line is not parallel to $x$-axis or $y$-axis

## Input

The first line of input begins with a line containing $T$ the number of test cases.
Each testcase starts with a line contains three seperated integer numbers $a, b, c\left(-10^{9} \leq a, b, c \leq 10^{9}\right)$

## Output

For each test case print a line contains the area between the $x$-axes,$y$-axis and the line .

## Example

## Input:

2
248
240

## Output:

4
0

