A Ground Truth

Time Limit	**2 seconds**
Memory Limit	**64 MB**

Stitch, the Ph.D. student, has just built the novel 3D tracking system. He would like to measure the accuracy of the system. He throws a ball across the room and records positions of the ball. From the fact that the ball will travel in a parabola curve which defined by $F(x) = Ax^2 + Bx + C$. He can find the parameter **A, B, C** of the parabola curve that best fit with the recorded data. But that is not good enough, his adviser ask him to report the position **X** along x axis that the ball is at the highest position. Stitch cannot figure this out, so he asks for your help.

Note that **X** will always be an integer.

INPUT

First line of input is a number of test cases **T** ≤ 100. Each test consist of 3 integers **A, B** and **C.** (-10 000 ≤ **A** < 0 and -10 000 ≤ **B, C** ≤ 10 000).

OUTPUT

For each test case, display one line of output containing an integer **X**.

EXAMPLE

Input	Output
2 -1 0 1 -15 30 -5	0 1