

2148 - Quadratic Equations

Description

Quadratic equations are rather simple to solve. A student would have recommended the task to tell if a quadratic equation has a solution or not. We want to help us making a program that given values $0 < a \leq 1000$, $0 \leq b$, $c \leq 1000$, tell us whether the equation is solvable or not.

Input specification

The input consists of a number $1 \leq n \leq 100$ which is the number of cases to solve. The following n lines contains three integers, separated by a space, values for a , b , c .

Output specification

You should print 'SI' if the equation has a solution or 'NO' if the equation has no solution.

Sample input

```
2
1 9 10
1 3 10
```

Sample output

```
SI
NO
```

Hint(s)

Source	Nolberto Isaac González & Adrián Hondal Hernández
Added by	Igvallejo
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Time limit (ms)	10000
Test limit (ms)	1000
Memory limit (kb)	130000
Output limit (mb)	64