Enraged Fowl

Filename: `fowl`

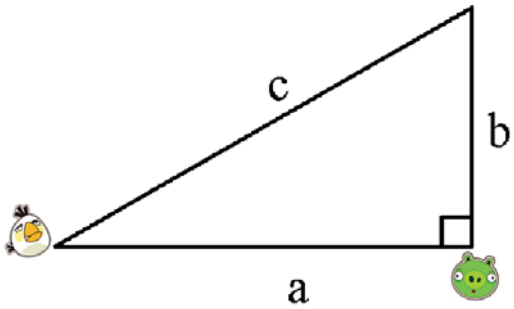
Brandon is playing the latest game sensation, Enraged Fowl! His favorite fowl to use in this game is the one that "flies" in a straight line and then drops a bomb straight down on a target. Unfortunately, he is not very good at dropping the bomb so he wants to practice outside of the game. He wants you to help him! For his practice, he will consider only games where the target is in the same place (at the same height) as himself. He will provide you the distance that the target is from his position, the straight-line distance that he will fling his fowl through the air and the distance the bomb will drop. You need to determine whether that combination will work and hit the target!

The Problem:

Given three values representing the target distance, the flying distance, and the bomb drop length, determine whether Brandon can hit the target.

The Input:

The input will begin with a line containing a positive integer, t ($1 \leq t \leq 100$), representing the number of scenarios to check. Each scenario consists of a single line containing three positive integers, representing the distance the fowl flew, the distance of the target from the starting point of the fowl, and the distance the bomb dropped (straight down). Note that the three distances will be given in any order and each will be separated by a single space. All of the distances are between 1 and 100, inclusive.



The Output:

For each scenario, output a line "`Target #x: m`" where x is the number of the target in the input (starting from 1) and m is "`YES`" if the Brandon can hit the target or "`NO`" otherwise.

Sample Input:

```
5
1 35 68
59 79 25
36 15 39
28 82 46
43 96 92
```

Sample Output:

```
Target #1: NO
Target #2: NO
Target #3: YES
Target #4: NO
Target #5: NO
```