Pythagorean Triplet A

Problem Description

Write a program to read three integers (say A,B,C) and checks if they form pythagorean triplets. Print YES if they form a pythagorean triplet, else print NO.

Constriants

1 <= A,B,C <= 1e4

Input

A single line with 3 space separated integers

Output

Single line with YES or NO (In captials)

Sample Input 1

3   4   5

Sample Output 1

YES

Sample Input 2

12   16   22

Sample Output 2

NO