

A simple corollary from Pythagorean theorem is that in a right triangle the square of hypotenuse equals to sum of square of the two legs. Write a program to determine whether a triangle is a right triangle or not by using this corollary.

### **Input**

The input has several cases and ends with EOF. Each case contains three integers, which are the lengths of the three sides of a triangle.

### **Output**

For each case, output 'yes' or 'no'. Each output should be in separate line.

### **Sample Input**

```
2 3 4
3 4 5
5 12 13
```

### **Sample Output**

```
no
yes
yes
```