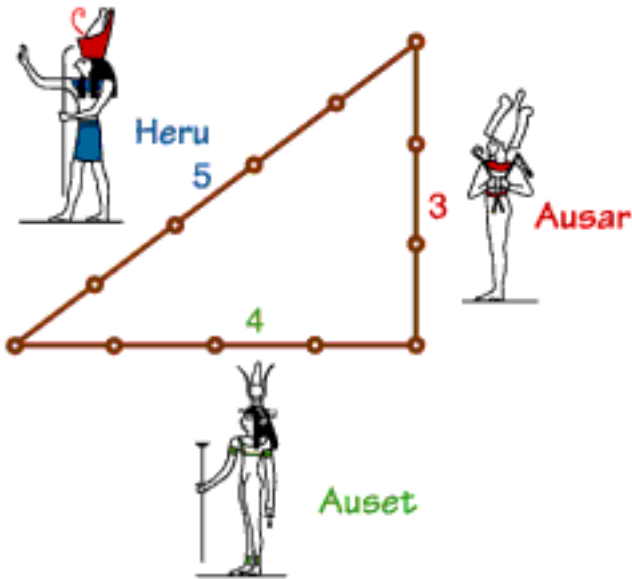


1441 - Egypt

Description

A long time ago, the Egyptians figured out that a triangle with sides of length 3, 4, and 5 had a right angle as its largest angle. You must determine if other triangles have a similar property.



Input specification

Input represents several test cases, followed by a line containing 0 0 0. Each test case has three positive integers, less than 30000, denoting the lengths of the sides of a triangle.

Output specification

For each test case, a line containing "right" if the triangle is a right triangle, and a line containing "wrong" if the triangle is not a right triangle.

Sample input

6 8 10

25 52 60

5 12 13

0 0 0

Sample output

right

wrong

right

Hint(s)

Source	2010 Waterloo Local Contest - Ondrej Lhoták
Added by	ejaltuna
Addition date	2011-10-13 19:58:02.0
Time limit (ms)	2000
Test limit (ms)	2000
Memory limit (kb)	65536000
Output limit (mb)	64
Size limit (bytes)	16384
Enabled languages	Bash C C# C++ C++11 Java JavaScript-NodeJS Pascal Perl PHP Prolog Python Ruby Text