26. 11827 - Maximum GCD

Time limit: 1.000 seconds

Given the *N* integers, you have to find the maximum GCD(greatest common divisor) of every possible pair of these integers.

Input

The first line of input is an integer *N*(1<*N*<*100*) that determines the number of test cases.

The following *N* lines are the *N* test cases. Each test case contains *M* (1<*M*<*100*)positive integers that you have to find the maximum of GCD.

Output

For each test case show the maximum GCD of every possible pair.

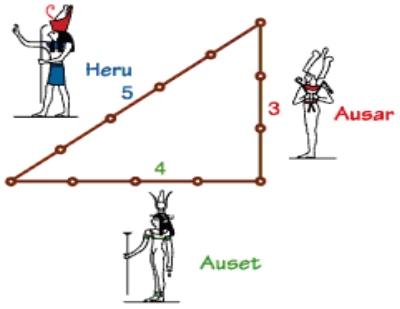
Sample Input	Output for Sample Input
3 10 20 30 40 7 5 12 125 15 25	20 1 25

27. 11854 - Egypt

Time limit: 1.000 seconds

Problem A: Egypt

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.



The Input

Input represents several test cases, followed by a line containing 0 0 0. Each test case has three positive integers, less than 30,000, denoting the lengths of the sides of a triangle.

The Output

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
```

Output for Sample Input

```
right
wrong
right
```