# **Reduced fraction**

$$\frac{8}{10} = \frac{2 * 4}{2 * 5} = \frac{4}{5}$$

Enter the numerator and denominator of a fraction. Reduce that fraction.

## Input

The first line of the input consist of a single integer number *t* which determines the number of tests.

In each of next *t* lines will contain *numerator* and *denominator* of the fraction that separated by a space.

#### **Constraints**

•  $0 < t \le 1000$ 

### **Output**

For each test case print out the *numerator* and *denominator* of the reduced fraction that separated by a space. Separate your answers with a new line character.

# **Example**

#### Input:

ο'

-8 16

19

8 10

-30

150 200

-9 -12

27 9

45 -50

#### **Output:**

-12

1 9

4 5

the denominator can not be zero

3 4

3 4

3

-9 10