**GCD & LCM Inverse**

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| **Time Limit:** 2000MS |  | **Memory Limit:** 65536K |
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**Description**

Given two positive integers a and b, we can easily calculate the greatest common divisor (GCD) and the least common multiple (LCM) of a and b. But what about the inverse? That is: given GCD and LCM, finding a and b.

**Input**

The input contains multiple test cases, each of which contains two positive integers, the GCD and the LCM. You can assume that these two numbers are both less than 2^63.

**Output**

For each test case, output a and b in ascending order. If there are multiple solutions, output the pair with smallest a + b.

**Sample Input**

3 60

**Sample Output**

12 15

**Source**

[POJ Achilles](http://poj.org/searchproblem?field=source&key=POJ+Achilles)