

Problem AF. GCD and LCM

Time limit 1000 ms

Code length Limit 50000 B

OS Linux

Two integers **A** and **B** are the inputs. Write a program to find GCD and LCM of **A** and **B**.

Input Format

The first line contains an integer **T**, total number of testcases. Then follow **T** lines, each line contains an integer **A** and **B**.

Output Format

Display the GCD and LCM of **A** and **B** separated by space respectively. The answer for each test case must be displayed in a new line.

Constraints

$$1 \leq T \leq 1000$$

$$1 \leq A, B \leq 1000000$$

Sample 1

Input	Output
3 120 140 10213 312 10 30	20 840 1 3186456 10 30