Problem B: Irreducible Fraction

Description

Any rational number can be expressed as a fraction of the form $\frac{p}{q}$, where p and q are both in the $\mathbb{Z}$ (set of integers).

An irreducible fraction is a fraction that cannot be simplified any further. Find the simplest form of the given fraction.

Input

Your program is to read from standard input. The input consists of ***T*** test cases. The number of test cases ***T*** is given in the first line of input. For each test case, the numerator, ***p***, and the denominator, ***q***, are given on a single line, separated by a space ($0 < \boldsymbol{p} < \boldsymbol{q} \leq 1{,}000{,}000{,}000$).

Output

Your program is to write to standard output. For each test case, you should print the numerator and the denominator on a single line, separated by a slash '/'.

Sample

Input	Output
3 1 2 2 4 6 9	1/2 1/2 2/3