## Sum of fractions



## Description

Given a list of rational numbers, find the sum in reduced form. A positive fraction is in reduced form if the numerator and denominator are positive integers that have no common divisors greater than 1. (For example, $2 / 4$ in reduced form is $1 / 2$ ).

## Input

The first line is an integer $\mathrm{N} .(0<\mathrm{N}<=5)$
The next $N$ lines will contain a rational number in the form $A / B$, where $A$ and $B$ are positive integers less than 500.

## Output

Print the sum of the numbers in reduced form.

## Examples

## Input Input Input

| 2 | 2 | 3 |
| :--- | :--- | :--- |
| $1 / 2$ | $5 / 10$ | $3 / 4$ |
| $1 / 3$ | $2 / 6$ | $6 / 5$ |
|  |  | $342 / 8$ |

## Output Output Output

5/6 5/6 447/10

