You are to write a program that reduces a fraction into its lowest terms.

## Input

The first line of the input file gives the number of test cases $N(\leq 20)$. Each of the following $N$ lines contains a fraction in the form of $p / q\left(1 \leq p, q \leq 10^{30}\right)$.

## Output

For each test case, output the fraction after simplification.

## Sample Input

4
1 / 2
$2 / 4$
3 / 3
$4 / 2$

## Sample Output

1 / 2
$1 / 2$
1 / 1
$2 / 1$

