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## Rational numbers (4)

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Using the procedures done in the exercises , and , your task is to write a program that reads a sequence of rational numbers and operations

$$r_0 \quad o_1 \ r_1 \quad o_2 \ r_2 \quad \dots \quad o_{n-1} \ r_{n-1} \quad o_n \ r_n \quad ,$$

and prints the result after each operation.

### Input

Input consists of a line with an initial rational, followed by a sequence of lines, each one with a pair operation/rational. As in the exercise , each rational is given by a pair of integer numbers, the second integer is not zero. The operations can be “add”, “subtract”, “multiply” or “divide”. In this last case, the second rational is not zero.

### Output

Your program must print the initial rational, followed by the accumulated result of each operation. Each rational number must be in a different line.

#### Sample input 1

```
1 2
add 5 2
subtract 2 1
multiply 10 1
divide 3 1
```

#### Sample output 1

```
1/2
3
1
10
10/3
```

#### Sample input 2

```
3 -6
subtract 0 5
add -2 -4
divide 1 1
```

#### Sample output 2

```
-1/2
-1/2
0
0
```

### Problem information

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