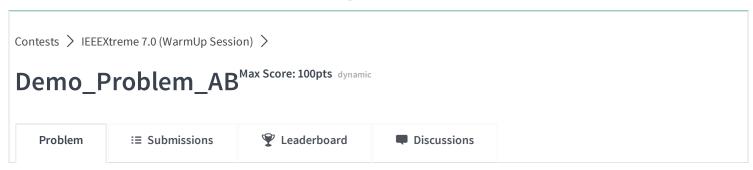


The contest is in progress. It ends 4 days from now.



Louis Carrol wrote a nice riddle: "Given that one glass of lemonade, 3 sandwiches, and 7 biscuits, cost 14\$; and that one glass of lemonade, 4 sandwiches, and 10 biscuits, cost 17\$: find the cost of 2 glasses of lemonade, 3 sandwiches, and 5 biscuits?"

We want you to write a program, given the input in sample input 1 to give the right solution, as a rational number in a reduced form and positive denominator: 19/1.

In some cases, the problem can not be solved; in which case you should output "?". For example, see sample input 2.

Note that the first input line contains the number of lines in the rest of the input.

Sample input(1):

HackerRank

```
3
1 3 7 14
1 4 10 17
2 3 5
```

Sample output(1):

19/1

Sample input(2):

```
3
1 1 4 4 10
1 1 5 5 12
1 0 0 0
```

Sample output(2):

?

Sample input(3):

```
4
1 4 1 4 2 1 3 5 6
2 7 1 8 2 8 1 8 3
3 1 4 1 5 9 2 6 5
0 1 -11 11 -19 54 -43 -11
```

Sample output(3):

-77/1

Suggest Edits



Use a custom test case

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