Problem A: Simple Equations

In this very first task, let us look at a boring mathematics problem. :-)

We have three different integers, x, y and z, which satisfy the following three relations:

- $x + y + z = A$
- $xyz = B$
- $x^2 + y^2 + z^2 = C$

You are asked to **write a program** that solves for x, y and z for given values of A, B and C.

For the **Extreme** version of this problem, please click here.

Input

The first line of the input file gives the number of test cases ***N*** (< 20). Each of the following ***N*** lines gives the values of A, B and C ($1 \leq A, B, C \leq 10000$).

Output

For each test case, output the corresponding values of x, y and z. If there are many possible answers, choose the one with the least value of x. If there is a tie, output the one with the least value of y. If there is no solution, output the line "**No solution.**" instead.

Sample Input

```
2
1 2 3
6 6 14
```

Sample Output

```
No solution.
1 2 3
```

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