## Problem H. Homework

```
Input:
Output:
ard
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```

Thom doesn't like maths, so he always tries to do his math homework first. His last homework was to find the number of ways we can add 3 non-negative integer such that thier sum is N .

$$
a+b+c=N
$$

Thom had already done his homework, but since he is a bit messy; he mixed the answers and now he doesn't know to which $N$ belongs. Help Thom to find which $N$ belong to his answers, consider that Tom is not good at math so he may have found wrong answers.

## Input

The first line contains a single integer $T(1 \leq T \leq 10000)$ and then $T$ lines follows, each one contains an integer $S(3 \leq S \leq 50000000)$ that represent the answer of Thom.

## Output

For each test case, your program must print the value of $N$ if Thom's answer was correct otherwise print No solution

## Example

| Input | Output |
| :--- | :--- |
| 10 | 1 |
| 3 | No solution |
| 14 | No solution |
| 63 | No solution |
| 8 | 12 |
| 91 | No solution |
| 102 | 16 |
| 153 | No solution |
| 30 | 23 |
| 300 | No solution |

Use fast I/O methods

