Deepened Bond

locked

Problem Submissions Leaderboard Discussions

You have activated the Four Guardians and are preparing to cross the Via Lactea in your journey, when you were savagely ambushed by a division of the Physics Army, led by an Alphabet. You were in the process of crossing the raging Via Lactea, and the Four Guardians cannot face such a huge attack.

However, if you can achieve a deeper connection with the Four Guardians, perhaps they will have the power to help you avoid their attack, and flee across the Via Lactea.

You have achieved a basic connection with the Four Guardians, so you will have to erase and keep the numbers in a much faster and larger scale.

Hopefully, with the experiences you've learned so far, you will be able to achieve this.

You will be given a number of numbers. As the Four Guardians can only hold squared numbers, you need to see if a given number can be created by adding 4 squared numbers, and erase the ones that can't be created by adding 4 squared numbers.

Input Format

First line contains the **n** amount of numbers given by the crystal. 2nd until n+1 line contains the numbers **q.**

Constraints

1<=n<=1000 0<=q<=10^11

Output Format

"LEAVE" if it is possible to create the given number with 4 squared numbers

"ERASE" if it isn't

Sample Input 0

```
2
7
39
```

Sample Output 0

```
LEAVE
LEAVE
```

Explanation 0

The first line denotes the amount of numbers given. In this case, 3.

The next three lines will give you the numbers for you to evaluate:

The number 7 can be created by 4 squared numbers (4+1+1+1)

The number 39 can be created by 4 squared numbers (25+9+4+1)

So we "LEAVE" both of them.

Submissions: 3
Max Score: 1
Difficulty: Medium

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Current Buffer (saved locally, editable)

C

```c
#include <stdio.h>
#include <string.h>
#include <math.h>
#include <stdlib.h>

int main() {

    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}

```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code