2026/2027 SOUTHERN CALIFORNIA REGIONAL INTERNATIONAL COLLEGIATE PROGRAMMING CONTEST

Problem 1
FizzBuzz

FizzBuzz is a party game played by participants counting in turn. Starting at 1, each player names the next number in sequence. Every third number, the number is replaced with the word *Fizz*. Every fifth number, the number is replaced with the word *Buzz*. If these overlap, the number is replaced by *FizzBuzz*.

Your friends are playing FizzBuzz—they are very good at the game and do not make errors. You overheard N consecutive statements. However, you only started listening on some unknown turn T. Based on what you heard, what was the earliest possible turn T when you started listening?

The first line of input is one number N ($1 \leq N \leq 10{,}000$), the number of statements you heard. The next N lines are the consecutive statements that you heard. Each statement is either the string "`Fizz`", "`Buzz`", or "`FizzBuzz`", exactly as shown, or an integer in the range from 1 to 100,000 inclusive.

Print one integer: the earliest possible turn T when you started listening to the game.

Sample Input 1

```
5
Fizz
13
14
FizzBuzz
16
```

Output for Sample Input 1

```
12
```

Sample Input 2

```
1
Buzz
```

Output for Sample Input 2

```
5
```