Is Fibo

Problem Statement

You are given an integer, N. Write a program to determine if N is an element of the *Fibonacci sequence*.

The first few elements of the Fibonacci sequence are $0,1,1,2,3,5,8,13, \cdots$. A Fibonacci sequence is one where every element is a sum of the previous two elements in the sequence. The first two elements are 0 and 1.

Formally:
$$\begin{aligned} fib_{0} &= 0 \\ fib_{1} &= 1 \\ &\vdots \\ fib_{n} &= fib_{n-1} + fib_{n-2} \forall n > 1 \end{aligned}$$

Input Format
The first line contains T, number of test cases.
T lines follow. Each line contains an integer N.

Output Format
Display `IsFibo` if N is a Fibonacci number and `IsNotFibo` if it is not. The output for each test case should be displayed in a new line.

Constraints
$1 \le T \le 10^5$
$1 \le N \le 10^{10}$

Sample Input

```
3
5
7
8
```

Sample Output

```
IsFibo
IsNotFibo
IsFibo
```

Explanation
5 is a Fibonacci number given by $\text{fib}_5 = 3 + 2$
7 is not a Fibonacci number
8 is a Fibonacci number given by $\text{fib}_6 = 5 + 3$

Time Limit
Time limit for this challenge is given here.

Loading [MathJax]/jax/output/HTML-CSS/autoload/mtable.js