

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, ...**. 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:

$$\begin{aligned} fib_0 &= 0 \\ fib_1 &= 1 \\ &\vdots \\ fib_n &= fib_{n-1} + fib_{n-2} \forall n > 1 \end{aligned}$$

Function Description

Complete the *isFibo* function in the editor below.

isFibo has the following parameters:

- *int n*: the number to check

Returns

- *string*: either `IsFibo` or `IsNotFibo`

Input Format

The first line contains *t*, number of test cases.

t lines follow. Each line contains an integer *n*.

Constraints

$$1 \leq t \leq 10^5$$

$$1 \leq n \leq 10^{10}$$

Sample Input

STDIN	Function
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3	t = 3
5	n = 5
7	n = 7
8	n = 8

Sample Output

IsFibo
IsNotFibo
IsFibo

Explanation

5 is a Fibonacci number given by $fib_5 = 3 + 2$

7 is not a Fibonacci number

8 is a Fibonacci number given by $\text{fib}_6 = 5 + 3$

Time Limit

The time limit for this challenge is given [here](#).