#### Full or Not

Definition: A sequence of n > 0 integers is called **full**, if the absolute values of the differences between successive elements take on all possible values 1 through n - 1. For instance,

```
1 4 2 3
```

is a full sequence, because the absolute differences are 3, 2, and 1, respectively. Write a program to determine whether each of a number of sequences is full. You do not know beforehand how many lines of input there will be.

## Input

Each line of input contains an integer n (can be any "reasonable" value), followed by n integers representing the sequence.

## **Output**

For each line of input generate a line of output saying `Full or `Not Full.

#### **Sample Input**

```
4 1 4 2 3
5 1 4 2 -1 6
```

# **Sample Output**

```
Full
Not Full
```