Jolly Jumpers X87915_en

A sequence of n > 0 integers is called a *jolly jumper* if the absolute values of the difference between successive elements take on all the values 1 through $n - 1$. For instance,
1423
is a jolly jumper, because the absolutes differences are 3, 2, and 1 respectively. The definition implies that any sequence of a single integer is a jolly jumper. You are to write a program to determine whether or not each of a number of sequences is a jolly jumper.

Input

Each line of input contains an integer n <= 3000 followed by n integers representing the sequence.

Output

For each line of input, generate a line of output saying **'Jolly'** or **'Not jolly'**.

Sample input 1

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

Sample output 1

```
Jolly
Not jolly
```

Problem information

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