1294 - Jolly Jumpers

Description

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: { 1 4 2 3 } 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 a sequence of numbers is a jolly jumper.

Input specification

Each line of input contains an integer 0 < n <= 3000 followed by n integers representing the sequence.

Output specification

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

Sample input

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

Sample output

```
Jolly
Not jolly
```

Hint(s)

Source	Xtreme Programming Problem Archive
Added by	**ejaltuna**
Addition date	2011-10-07 07:44:14.0
Time limit (ms)	1000
Test limit (ms)	1000

Memory limit (kb)	65536
Output limit (mb)	64
Size limit (bytes)	100000
Enabled languages	C C# C++ Java Pascal Perl PHP Python Ruby Text