1535 - Lumberjack Sequencing

Description

Another tale of lumberjacks?. Let see...
The lumberjacks are rude, bearded workers, while foremen tend to be bossy and simpleminded. The foremen like to harass the lumberjacks by making them line up in groups of ten, ordered by the length of their beards. The lumberjacks, being of different physical heights, vary their arrangements to confuse the foremen. Therefore, the foremen must actually measure the beards in centimeters to see if everyone is lined up in order. Your task is to write a program to assist the foremen in determining whether or not the lumberjacks are lined up properly, either from shortest to longest beard or from longest to shortest.

Input specification

The input starts with line containing a single integer N, $0 < N < 20$, which is the number of groups to process. Following this are N lines, each containing ten distinct positive integers less than 100.

Output specification

There is a title line, then one line per set of beard lengths. See the sample output for capitalization and punctuation.

Sample input

```
3
13 25 39 40 55 62 68 77 88 95
88 62 77 20 40 10 99 56 45 36
91 78 61 59 54 49 43 33 26 18
```

Sample output

```
Lumberjacks:
Ordered
Unordered
```

Ordered

Hint(s)

Source	ACM-ICPC Mexico Occident and Pacific - Latin America - 2010/2011
Added by	**ejaltuna**
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Time limit (ms)	5000
Test limit (ms)	5000
Memory limit (kb)	130000
Output limit (mb)	64
Size limit (bytes)	30000
Enabled languages	C C# C++ Java Pascal Perl PHP Python Ruby Text