
Classification of sequences (1)**P69991_en**

Write a program to tell if a sequence of integer numbers is uniform, strictly increasing, strictly decreasing, or none of those.

Input

Input consists of a sequence of, at least, two integer numbers.

Output

Your program must print “uniform”, “strictly increasing”, “strictly decreasing”, or “nothing” as required.

Sample input 1

2 3 5 7

Sample output 1

strictly increasing

Sample input 2

10 0 -5

Sample output 2

strictly decreasing

Sample input 3

4 4

Sample output 3

uniform

Sample input 4

1 2 4 4

Sample output 4

nothing

Problem information

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