
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 input 2

```
10 0 -5
```

Sample input 3

```
4 4
```

Sample input 4

```
1 2 4 4
```

Sample output 1

```
strictly increasing
```

Sample output 2

```
strictly decreasing
```

Sample output 3

```
uniform
```

Sample output 4

```
nothing
```

Problem information

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