Practice Arena

Practice problems aimed to improve your coding skills.

- PRACTICE-02_SCAN-PRINT
- PRACTICE-03_TYPES
- LAB-PRAC-02_SCAN-PRINT
- LAB-PRAC-01
- PRACTICE-04_COND
  - Increasing Functions
  - Divide-by-zero
  - Largest power of 2
  - Ordinal Indicators
  - Bulls-eye --- well almost
- BONUS-PRAC-02
- LAB-PRAC-03_TYPES
- PRACTICE-05_COND-LOOPS
- LAB-PRAC-04_COND
- LAB-PRAC-05_CONDLOOPS
- PRACTICE-07_LOOPS-ARR
- LAB-PRAC-06_LOOPS
- LAB-PRAC-07_LOOPS-ARR
- LABEXAM-PRAC-01_MIDSEM
- PRACTICE-09_PTR-MAT
- LAB-PRAC-08_ARR-STR
- PRACTICE-10_MAT-FUN
- LAB-PRAC-09_PTR-MAT
- LAB-PRAC-10_MAT-FUN
- PRACTICE-11_FUN-PTR
- LAB-PRAC-11_FUN-PTR
- LAB-PRAC-12_FUN-STRUC
- LABEXAM-PRAC-02_ENDSEM
- LAB-PRAC-13_STRUC-NUM
- LAB-PRAC-14_SORT-MISC

Increasing Functions

PRACTICE-04_COND

f is a real-valued function over the real line. You are given the values f takes (all these values will be integers) at the points x = 1, x = 2, ... x = 5 in the format described below. If all these values are in increasing order, then output "Yes" (without the quotes), otherwise output "No" (without the quotes). If the answer is No, then on a new line, you also have to output the following number N

$$N = |\{i : f(i) < f(i-1), 2 <= i <= 5\}|$$

This number denotes the number of times the function violated the increasing property. If the answer is Yes then nothing else needs to be printed.

EXAMPLE 1:
INPUT
x = 1, f(x) = 1
x = 2, f(x) = 3
x = 3, f(x) = 8
x = 4, f(x) = 10
x = 5, f(x) = 11

OUTPUT:
Yes

EXAMPLE 2:
INPUT
x = 1, f(x) = 5
x = 2, f(x) = 1
x = 3, f(x) = 2
x = 4, f(x) = 6
x = 5, f(x) = 4

OUTPUT:
No
2

Start Solving! (/editor/practice/6012)