ICPC Assiut University Community

Newcomers Training , Do Your Best

HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

W. Hussien and Arrays 2

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

Hussien has an array of N integers, A_1 , A_2 ,..., A_N .

for every pair (A[i] , A[j]) for all $(1 \leq i, j \leq N)$ such that A[i]<= A[j].

he will calculate this equation (j-i).

after he calculates all equations he needs to find what is the maximum value he can get.

can you help him to solve this problem?

Input

First line contains one integer N $(1 \le N \le 10^6)$

Second line contains N integers $(-10^9 \le A_i \le 10^9)$

Output

Print maximum value he can get.

Example

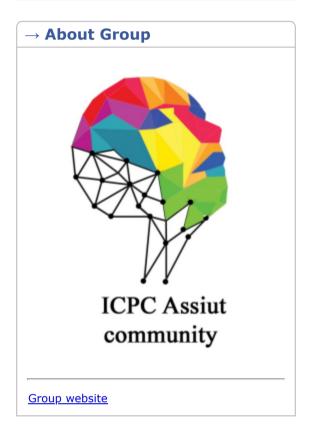
input	Сору
4	
3 5 4 2	
output	Сору
2	

<u>Assiut University Training -</u> <u>Newcomers</u>

Public

Participant





→ **Group Contests**



- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type Conditions)

Sheet #10 (General Hard)

Finished

Practice



→ About Time Scaling

Read the details by the <u>link</u>.

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds.