16/11/2017 HackerRank



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Points: 25 Rank: 183204

Coolguy and Two Subsequences



Problem

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Coolguy gives you a simple problem. Given a 1-indexed array, A, containing N elements, what will ans be after this pseudocode is implemented and executed? Print ans % ($10^9 + 7$).

Input Format

The first line contains N (the size of array A).

The second line contains N space-separated integers describing A.

Constraints

- $1 \le N \le 2 \times 10^5$
- $1 \le A_i \le 10^9$

Note: A is 1-indexed (i.e.: $A = \{A_1, A_2, \dots, A_{N-1}, A_N\}$).

Output Format

Print the integer result of $ans \% (10^9 + 7)$.

Sample Input

3 3 2 1

Sample Output

6

Explanation

$$min(\ f(1,1),\ f(2,2)\)=2$$

 $min(\ f(1,1),\ f(2,3)\)=1$
 $min(\ f(1,1),\ f(3,3)\)=1$
 $min(\ f(1,2),\ f(3,3)\)=1$
 $min(\ f(2,2),\ f(3,3)\)=1$

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We then sum these numbers (2+1+1+1+1=6) and print 6% (10^9+7) , which is 6.

```
f in Submissions:93
Max Score:120
Difficulty: Advanced
Rate This Challenge:
☆☆☆☆☆
```

```
Java 7
  Current Buffer (saved locally, editable) & 49
 1 ▼ import java.io.*;
 2 import java.util.*;
 3 import java.text.*;
 4 import java.math.*;
 5 import java.util.regex.*;
 6
 7 ▼ public class Solution {
 8
        public static void main(String[] args) {
 9 ▼
            /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
10 ▼
11
12
   }
                                                                                                                    Line: 1 Col: 1
                      Test against custom input
                                                                                                        Run Code
                                                                                                                     Submit Code
1 Upload Code as File
```

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