ICPC Assiut University Community

Ramadan Kareem

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

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

X. Kareem

time limit per test: 1 second memory limit per test: 256 megabytes

Given an array a of n elements. Calculate the following.

$$\sum_{i=1}^n \sum_{j=i}^n \max\left((\sum_{k=i}^j a_k), 0
ight)$$

Input

The first line of input contains an integer n ($1 \le n \le 10^5$)— the number of elements in the array.

The second line contains n space separated integers a_1,a_2,\ldots,a_n ($-10^9 \le a_i \le 10^9$)— elements of the array.

Output

Print the answer $modulo 10^9 + 7$.

Examples

Examples	
input	Сору
5	
1 2 3 4 5	
output	Сору
105	
input	Сору
3	
3 -2 -2	
output	Сору
4	

ICPC Assiut Ramadan Marathons

Private

Participant



→ About Group



→ Group Contests



- Ramadan Marathon 2024
- Ramadan Marathon 2023
- Ramadan Marathon 2021
- Ramadan Marathon Juniors 2020
- Ramadan Marathon Newcomers 2020
- Ramadan Marathon Newcomers 2019
- Ramadan Marathon Juniors 2019
- Ramadan Kareem Marathon 2017

Ramadan Marathon 2024

Finished

Practice



\rightarrow Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

\rightarrow Submit?

Language: GNU G++20 13.2 (64 bit, win **→**

Choose file:

Choose File No file chosen

Submit

→ Last submissions		
Submission	Time	Verdict
<u>283382306</u>	Sep/28/2024 16:29	Accepted
283381946	Sep/28/2024 16:26	Accepted
283380364	Sep/28/2024 16:15	Wrong answer on test 3
283380020	Sep/28/2024 16:13	Wrong answer on test 3
259924628	May/07/2024 23:17	Accepted
<u>259913301</u>	May/07/2024 21:00	Accepted
259876177	May/07/2024 15:45	Accepted
<u>259696756</u>	May/06/2024 05:03	Accepted
259696677	May/06/2024 05:00	Wrong answer on test 7
259696139	May/06/2024 04:44	Wrong answer on test 1

Codeforces (c) Copyright 2010-2024 Mike Mirzayanov
The only programming contests Web 2.0 platform
Server time: Oct/06/2024 03:21:35 (j3).
Desktop version, switch to mobile version.

Privacy Policy

Supported by



