

Problem L

EQPAIR

Time limit: 0.5 seconds

Given a sequence of n integers a_1, a_2, \dots, a_n . Count the number Q of pairs of 2 indices (i, j) such that $1 \leq i < j \leq n$ and $a_i = a_j$.

Input

- Line 1: contains a positive integer n ($1 \leq n \leq 100000$)
- Line 2: contains n integers a_1, a_2, \dots, a_n ($1 \leq a_i \leq 1000000$)

Output

Write the value $Q \bmod 10^9 + 7$

Sample Input	Sample Output
6 1 2 2 1 3 1	4

Explanation

There are 4 pairs: $(1, 4)$, $(1, 6)$, $(2, 3)$, $(4, 6)$