

Problem

You have been given an array A of size N consisting of positive integers. You need to find and print the product of all the number in this array **Modulo** $10^9 + 7$.

Input Format:

The first line contains a single integer N denoting the size of the array. The next line contains N space separated integers denoting the elements of the array

Output Format:

Print a single integer denoting the product of all the elements of the array Modulo $10^9 + 7$.

Constraints:

$$1 \leq N \leq 10^3$$

$$1 \leq A[i] \leq 10^3$$

Sample Input	Sample Output
5 1 2 3 4 5	120

Time Limit: 1

Memory Limit: 256

Source Limit: