

[Description](#)[My Submissions](#)[Hints/Editorial](#)[AC Submissions](#)[My Notes \(0\)](#)

Product of Digits AZ101

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Ask Doubt

Time-Limit: 1 sec

Score: 100.00/100

Difficulty :

Memory: 256 MB

Accepted Submissions: 100

Description

You are given the digits of a positive number N. Find the product of its digits. Since the product can be large, print it modulo $10^9 + 7$. It is guaranteed that the number begins with a non-zero digit.

Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains one integer N - the number of digits in the number.

The second line of each test case contains N space-separated integers - the digits of the number.

Output Format

For each test case, print the product of digits of the number modulo $10^9 + 7$.

Constraints

$1 \leq T \leq 10^6$

$1 \leq N \leq 10^6$

$0 \leq D \leq 9$

It is guaranteed that the sum of N over all test cases does not exceed 10^6 .

Sample Input 1

Copy

```
3
5
1 5 2 3 4
4
9 0 5 3
3
2 2 2
```

Sample Output 1

Copy

```
120
```

C++14[GCC] ▾

Submit

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