

Description

My Submissions

Hints/Editorial

AC Submissions

My Notes (0)

# Product of the Last K numbers

? Ask Doubt

Time-Limit: 2 sec

Score: 0/100

Difficulty : ★ ★ ★

Memory: 256 MB

Accepted Submissions: 100

Relevant For: 

AZ-201

Description

Design the algorithm which supports the following operations.

1. **add(int x):** Add x to the back of the current list of numbers.

2. **getProduct(int k):** Print the product of the last k numbers % 1000000007 in the current list. It's guaranteed that the list will contain at least k elements.

Initially, the list is empty.

Complete the code.

Input Format

The first line contains *Q* - the number of queries.  
Each query is one of the types of queries explained in the problem statement.

Constraints

$1 \leq Q \leq 10^5$

$0 \leq x \leq 10^9$

Sample Input 1

Copy

```
10
add 3
add 0
add 2
add 5
add 4
getProduct 2
getProduct 3
getProduct 4
add 8
getProduct 2
```

Sample Output 1

Copy

```
20
40
```

C++14[GCC] ▾

Submit

1 ▾ #include <bits/stdc++.h>

2 using namespace std;

3

4 ▾ class ProductOfKNumbers {