# Problem E. Binary Strings with no adjacent 1s

**OS** Linux

Find of number of binary strings of length N, such that there are no adjacent 1s in that string.

### **Input Format**

First line of input contains T – number of test cases. Its followed by T lines, each line contains N – length of the binary string.

#### **Constraints**

```
1 <= T <= 100000
1 <= N <= 100000
```

### **Output Format**

For each test case, print the number of binary strings of length N, separated by newline. Since the answer can be very large, print answer % 1e9+7.

## Sample Input o

531175500

# Sample Output 0

## **Explanation 0**

#### Test Case 1

You can construct the following binary strings of length 3 with no adjacent 1s: 000, 001, 010, 100, 101