# Problem: P4

## Description

Let F(n) be the number ò sequences (A1, A2, . . ., An), each element can be {0, 1, 2} containing no two consecutive 00 and no consecutive 11. Given a positive integer n, compute F(n).

**Input**

Line 1: contains a positive integer n (1 <= n <= 1000)

**Output**

Write F(n) modulo $10^9$+7

**Example**

**Input**

2

**Output**

7

**Input**

3

**Output**

17

## Source code

C++ 17

```
//C++
#include <bits/stdc++.h>

int main()
{

}
```

SUBMIT CODE

Or

C++ 17

Select file

SUBMIT

Refresh

Bài nộp

Tìm kiếm

| ID | Bài tập |
| --- | --- |
| 172714 | COUNT_SEQ_0_1_2_NO_00_11 |

5 hàng

1-1 của 1