# **Team formation**

Coach has n players. A team is a subset of players and has at least two players - a captain and a keeper. How many ways can a coach form a team from n players?

## Input

Each line of input contains one random integer number  $2 \le n \le 10^6$  (1 000 000). Input terminates with 0 (zero).

## **Output**

For each *n* print your answer modulo 1 000 000 007 on new line.

## **Example**

#### Input:

2

3

0

#### **Output:**

2

12

22/06/2019 - Time limit increased.