# Chair Game

You are Playing a game With n Players.

In this game a chair is assigned to each player.

All the players make a circle With the Chairs assigned to them.

the game is to make all Players Closer there eyes and sit in one of the Chairs if the chair is empty.

Find the total number of ways seating players such that all players are seated in a chair that is not assigned to them.

Since the answer can be very large return it modulo 10^9 +7.

Notes-

It is given that you are also a Participant of the game.

Hence, the total number of players in the game n+1.

**Function Description**

Complete the Count function in the editor below.

It has the following parametes(s):

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| n | INTEGER | The number of players that are playing the game along with you. |

**Return-**

The Function must return an INTEGER denoting the total number of ways of seating players such that all players are seated in a chair that is not assigned to them modulo 10^9+7.

**Constraints-**

1≤n≤10^5

Input format for debugging-

The first line contains an integer,n,denoting the number of players that you are playing the game with.

**Sample Testcases-**

|  |  |  |
| --- | --- | --- |
| Input | Output | Output description |
| 1 | 1 | In this you play with one player so we have 2 chairs you can sit in his chair and he sit in your chair. |
| 2 | 2 | In this we have chairs number 1,2,3  We have only 2 cases  1:  (Player 1 has chair 3 ,player 2 has chair 1 and player 3 has chair 2)  2:  (player 1 has chair 2,player 2 has chair 3 and player 3 has chair 2) |
| 3 | 0 | We have only 0 Cases to 4 players. |