Explanation: The original array is [1,2,3]. The two derangements are [2,3,1] and [3,1,2].

Also, since the answer may be very large, you should return the output mod $10^9 + 7$.

In combinatorial mathematics, a derangement is a permutation of the elements of a set, such that no element appears in its original

There's originally an array consisting of n integers from 1 to n in ascending order, you need to find the number of derangement it can

Total Accepted:

Difficulty:

Total Submissions:

369

682

377

2044

User Accepted: User Tried:

- Note:

position.

generate.

Example 1:

Input: 3 Output: 2

n is in the range of $[1, 10^6]$.