

## Problem

Mom bakes the bliny (flat pancakes) and puts them on a plate one on top of another: the first one, then the second and so on. From time to time one of her numerous kids rushes into the kitchen, grabs the topmost pancake, eats it and runs away.

Determine if the bliny could have been eaten in the given order, where order is some rearrangement of the numbers from 1 to  $n$ .

## Example

- For order = [2, 1, 3], the output should be

bliny(order) = true.

First kid's intrusion happened when the pancake 2 was ready. Then the second child ate the pancake1. Then the mother baked pancake 3 and it was eaten.

- For order = [3, 1, 2], the answer should be

bliny(order) = false.

## Input/Output

- [time limit] 3000ms (java)**

- [input] array.integer order**

Array of rearranged integers 1 to  $n$ .

Constraints:

$1 \leq \text{order.length} \leq 20$ .

- [output] boolean**