1053. Previous Permutation With One Swap

Description

Given an array of positive integers `arr` (not necessarily distinct), return *the lexicographically largest permutation that is smaller than* `arr`, that can be **made with exactly one swap**. If it cannot be done, then return the same array.

Note that a *swap* exchanges the positions of two numbers `arr[i]` and `arr[j]`

Example 1:

```
Input: arr = [3,2,1]
Output: [3,1,2]
Explanation: Swapping 2 and 1.
```

Example 2:

```
Input: arr = [1,1,5]
Output: [1,1,5]
Explanation: This is already the smallest permutation.
```

Example 3:

```
Input: arr = [1,9,4,6,7]
Output: [1,7,4,6,9]
Explanation: Swapping 9 and 7.
```

Constraints:

- `1 <= arr.length <= 10^4`
- `1 <= arr[i] <= 10^4`