**39. Recover Rotated Sorted Array**

中文

English

Given a **rotated** sorted array, recover it to sorted array in-place.

**Example**

**Example1:**  
[4, 5, 1, 2, 3] -> [1, 2, 3, 4, 5]  
**Example2:**  
[6,8,9,1,2] -> [1,2,6,8,9]

**Challenge**

In-place, O(*1*) extra space and O(*n*) time.

**Clarification**

What is rotated array?

* For example, the orginal array is [1,2,3,4], The rotated array of it can be [1,2,3,4], [2,3,4,1], [3,4,1,2], [4,1,2,3]