287. Find the Duplicate Number Solved @ Medium ♥ Topics E Companies Given an array of integers [1, n] inclusive. There is only one repeated number in nums, return this repeated number. You must solve the problem without modifying the array nums and uses only constant extra space. Example 1: **Input:** nums = [1,3,4,2,2]Output: 2 Example 2: **Input:** nums = [3,1,3,4,2]Output: 3 Example 3: **Input:** nums = [3,3,3,3,3]Output: 3 **Constraints:** • 1 <= n <= 10⁵ • nums.length == n + 1 • 1 <= nums[i] <= n · All the integers in nums appear only once except for precisely one integer which appears two or more times.