**Single Element in a Sorted Array**

You are given a sorted array consisting of only integers where every element appears exactly twice, except for one element which appears exactly once. Find this single element that appears only once.

**Follow up:** Your solution should run in O(log n) time and O(1) space.

**Example 1:**

**Input:** nums = [1,1,2,3,3,4,4,8,8]

**Output:** 2

**Example 2:**

**Input:** nums = [3,3,7,7,10,11,11]

**Output:** 10

**Constraints:**

* 1 <= nums.length <= 10^5
* 0 <= nums[i] <= 10^5