Given an integer array nums which is sorted in **ascending order** and all of its elements are **unique** and given also an integer k, return the kth missing number starting from the leftmost number of the array.

**Example 1:**

Input: nums = [4,7,9,10], k = 1  
Output: 5  
Explanation: The first missing number is 5.

**Example 2:**

Input: nums = [4,7,9,10], k = 3  
Output: 8  
Explanation: The missing numbers are [5,6,8,...], hence the third missing number is 8.

**Example 3:**

Input: nums = [1,2,4], k = 3  
Output: 6  
Explanation: The missing numbers are [3,5,6,7,...], hence the third missing number is 6.

**Constraints:**

* 1 <= nums.length <= 5 \* 104
* 1 <= nums[i] <= 107
* nums is sorted in **ascending order,** and all the elements are **unique**.
* 1 <= k <= 108

**Follow up:** Can you find a logarithmic time complexity (i.e., O(log(n))) solution?