1060. Missing Element in Sorted Array

Description

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 k th 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 * 10 4
- $1 \leftarrow nums[i] \leftarrow 10^7$
- nums is sorted in **ascending order**, and all the elements are **unique**.
- 1 <= k <= 10 ⁸

Follow up: Can you find a logarithmic time complexity (i.e., 0(log(n))) solution?