i {} 5 ⊙ □ Description i Java

◆ Autocomplete 1 ▼ class Solution { 1060. Missing Element in Sorted Array 2 v int missing(int idx, int[] nums) {
3 return nums[idx] - nums[0] - idx; Medium ௴ 1109 ♀ 45 ♡ Add to List ௴ Share public int missingElement(int[] nums, int k) { int n = nums.length;
if (k > missing(n - 1, nums))
 return nums[n - 1] + k - missing(n - 1, nums);
int left = 0, right = n - 1, pivot;
while (left != right) {
 pivot = left + (right - left) / 2; 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. 10 🔻 Example 1: if (missing(pivot, nums) < k) left = pivot + 1;</pre> **Input:** nums = [4,7,9,10], k = 1 else right = pivot; Output: 5 16 17 18 } return nums[left - 1] + k - missing(left - 1, nums); **Explanation:** The first missing number is 5. 20 v class Solution {
21 v int missing(int
22 return nums[id
23 } Example 2: int missing(int idx, int[] nums) {
 return nums[idx] - nums[0] - idx; **Input:** nums = [4,7,9,10], k = 3 24 25 **v** 26 27 **Explanation:** The missing numbers are $[5,6,8,\ldots]$, hence the third missing number public int missingElement(int[] nums, int k) { is 8. int n = nums.length; if (k > missing(n - 1, nums))
 return nums[n - 1] + k - missing(n - 1, nums); Example 3: int idx = 1;
while (missing(idx, nums) < k) idx++;
return nums[idx - 1] + k - missing(idx - 1, nums);</pre> **Input:** nums = [1,2,4], k = 3 **Explanation:** The missing numbers are $[3,5,6,7,\ldots]$, hence the third missing number 33 34 35 **Constraints:** • 1 <= nums.length <= $5 * 10^4$ • 1 <= nums[i] <= 10^7 • nums is sorted in **ascending order**, and all the elements are **unique**. • $1 \le k \le 10^8$

 \sqsubseteq Problems
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