Given an array arr of positive integers sorted in a **strictly increasing order**, and an integer k.

Return *the* kth ***positive*** *integer that is* ***missing*** *from this array.*

Example 1:

Input: arr = [2,3,4,7,11], k = 5
Output: 9
Explanation: The missing positive integers are [1,5,6,8,9,10,12,13,...]. The 5th missing positive integer is 9.

Example 2:

Input: arr = [1,2,3,4], k = 2
Output: 6
Explanation: The missing positive integers are [5,6,7,...]. The 2nd missing positive integer is 6.

Constraints:

- 1 <= arr.length <= 1000
- 1 <= arr[i] <= 1000
- 1 <= k <= 1000
- arr[i] < arr[j] for 1 <= i < j <= arr.length

Accepted

268.4K

Submissions

463K

Acceptance Rate

58.0%