K-th element of two sorted Arrays

Given two sorted arrays **arr1** and **arr2** of size **N** and **M** respectively and an element **K**. The task is to find the element that would be at the kth position of the final sorted array.

Example 1:

```
Input:
arr1[] = {2, 3, 6, 7, 9}
arr2[] = {1, 4, 8, 10}
k = 5
Output:
6
Explanation:
The final sorted array would be -
1, 2, 3, 4, 6, 7, 8, 9, 10
The 5th element of this array is 6.
```

Example 2:

```
Input:
arr1[] = {100, 112, 256, 349, 770}
arr2[] = {72, 86, 113, 119, 265, 445, 892}
k = 7
Output:
256
Explanation:
Final sorted array is - 72, 86, 100, 112,
113, 119, 256, 265, 349, 445, 770, 892
7th element of this array is 256.
```

Your Task:

You don't need to read input or print anything. Your task is to complete the function **kthElement()** which takes the arrays **arr1[]**, **arr2[]**, its size **N** and **M** respectively and an integer **K** as inputs and returns the element at the Kth position.

Expected Time Complexity: O(Log(N) + Log(M))
Expected Auxiliary Space: O(Log (N))

Constraints:

$1 <= N, M <= 10^6$

$0 <= arr1_i, arr2_i < INT\_MAX$

$1 <= K <= N+M$