* You are given a sorted array of N distinct integers, and you are required to find the number of occurrences of a given integer K in this array using binary search. If the integer k is not present in the array, return 0.
* **Example:**

**Input:**

int arr[] = {1, 2, 2, 2, 3, 4, 5, 5, 5, 6};

int n = sizeof(arr) / sizeof(arr[0]);

int k = 2;

* **Output:**

3

* **Input:**

int arr[] = {1, 2, 2, 2, 3, 4, 5, 5, 5, 6};

int n = sizeof(arr) / sizeof(arr[0]);

int k = 7;

* **Output:**

0