Sorted Array

Given a sorted array of numbers. Count the number given in each query that exists in the array.

Format Input
The first line of the input contains 2 integers N and Q, number of elements in the array and number of queries. Second line contains N numbers Ai, the element of the array. The next Q lines contains an integer Z, the number to be searched.

Format Output
Output the count of existance number of the queries.

Constraints
1 <= N <= 100 000
1 <= Q <= 100 000
-1 000 000 000 <= Number <= 1 000 000 000

Sample Input (standard input)	**Sample Output** (standard output)
5 5 1 2 3 3 4 0 10 1 3 4	3

Note
If you use linear search, it will give you "Time Limit Exceed" verdict (?)