[A - Finding Frequency](https://vjudge.net/problem/HackerRank-si-finding-frequency" \t "_blank)

 Given an array, you have to find the frequency of a number x.

**Input Format**

First line of input contains N - size of the array. The next line contains N integers, the elements of the array. The next line contains Q - number of queries. Each of the next Q lines contains a single integer X, for which you have to find the frequency of X in the given array.

**Constraints**

30 points  
1 <= N <= 105  
1 <= Q <= 102  
-108 <= ar[i] <= 108

70 points  
1 <= N <= 105  
1 <= Q <= 105  
-108 <= ar[i] <= 108

**Output Format**

For each query, print the frequency of X, separated by newline.

**Sample Input 0**

9

-6 10 -1 20 -1 15 5 -1 15

5

-1

10

8

15

20

**Sample Output 0**

3

1

0

2

1

#include <iostream>

#include <map>

#include <string>

using namespace *std*;

int main()

{

*ios*::*sync\_with\_stdio*(0);

*cin*.*tie*(0);

*cout*.*tie*(0);

int n; *cin* >> n;

*map*<int, int> mp;

for (auto i = 0; i < n; i++)

{

int ele; *cin* >> ele;

mp[ele] += 1;

}

int q; *cin* >> q;

for (auto i = 0; i < q; i++)

{

int ele; *cin* >> ele;

*cout* << mp[ele] << "\n";

}

return 0;

}