**Memorise Me!**

Attempted by: **1332**

/

Accuracy: **32%**

/

Maximum Score: **10**

/

13 Votes

Tag(s):

Very-Easy

**PROBLEM**

**EDITORIAL**

**MY SUBMISSIONS**

**ANALYTICS**

Arijit is a brilliant boy. He likes memory games. He likes to participate alone but this time he has to have a partner. So he chooses **you**.

In this Game , your team will be shown ***N*** numbers for few minutes . You will have to memorize these numbers.

Now, the questioner will ask you ***Q queries***, in each query He will give you a number , and you have to tell him **the total number of occurrences of that number in the array of numbers shown to your team** . If the number is not present , then you will have to say “**NOT PRESENT**” (without quotes).

**INPUT And OUTPUT**

The first line of input will contain N, an integer, which is the total number of numbers shown to your team.

The second line of input contains N space separated integers .

The third line of input contains an integer Q , denoting the total number of integers.

The Next Q lines will contain an integer denoting an integer, BiBi , for which you have to print the number of occurrences of that number (BiBi) in those N numbers on a new line.

If the number BiBi isn’t present then Print “NOT PRESENT” (without quotes) on a new line.

**CONSTRAINTS**

1≤N≤1051≤N≤105

0≤Bi≤10000≤Bi≤1000

1≤Q≤1051≤Q≤105

**SAMPLE INPUT**

6

1 1 1 2 2 0

6

1

2

1

0

3

4

**SAMPLE OUTPUT**

3

2

3

1

NOT PRESENT

NOT PRESENT

**Explanation**

The given array is (1,1,1,2,2,0) of size 6.

Total number of queries is 6 also.

For the first query i.e for 1 , the total of number of occurrences of 1 in the given array is 3 . Hence the corresponding output is 3.

For the second query i.e. for 2, the total of number of occurrences of 2 in the given array is 2 . Hence the corresponding output is 2.

For the fifth query i.e. for 3. 3 is not present in the array . So the corresponding output is "NOT PRESENT" (without quotes).

**Time Limit:**0.6 sec(s) for all input files combined.

**Memory Limit:**256 MB

**Source Limit:**1024 KB

**Marking Scheme:**Marks are awarded when all the testcases pass.

**Allowed Languages:**C, C++, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala 2.11.8, Swift, Visual Basic

<https://www.hackerearth.com/practice/data-structures/arrays/1-d/practice-problems/algorithm/memorise-me/description/>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

int n = int.Parse(Console.ReadLine());

int[] arr = Array.ConvertAll(Console.ReadLine().Split(' '), e => int.Parse(e));

Dictionary<int, int> freq = new Dictionary<int, int>();

foreach (int elem in arr)

{

if (freq.ContainsKey(elem))

{

freq[elem]++;

}

else

{

freq[elem] = 1;

}

}

int q = int.Parse(Console.ReadLine());

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

{

int x = int.Parse(Console.ReadLine());

if (freq.ContainsKey(x))

{

Console.WriteLine(freq[x]);

}

else

{

Console.WriteLine("NOT PRESENT");

}

}

Console.ReadLine();

}

}

}