

All Tracks > Data Structures > Arrays > > Problem

Memorise Me!

Attempted by: 14544 / Accuracy: 17% / Maximum Score: 10 / ★★★☆ 350 Votes

Tag(s): Very-Easy



PROBLEM

EDITORIAL

MY SUBMISSIONS

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, B_i , for which you have to print the number of occurrences of that number (B_i) in those N numbers on a new line.

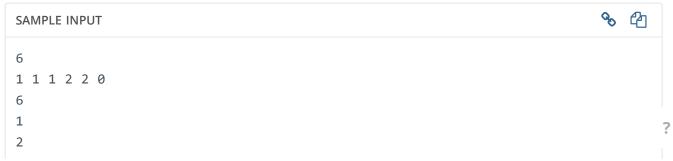
If the number B_i isn't present then Print "NOT PRESENT" (without quotes) on a new line.

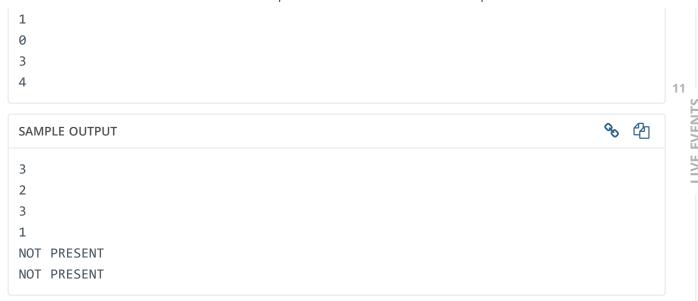
CONSTRAINTS

$$1 \le N \le 10^5$$

$$0 \leq B_i \leq 1000$$

$$1 \le Q \le 10^5$$





Explanation

Time Limit:

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).

Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded when all the testcases pass.
Allowed Languages:	Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino),
	JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP,
	Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, TypeScript, Visual Basic

CODE EDITOR



0.6 sec(s) for all input files combined.

```
//imports for BufferedReader
 5
   import java.io.BufferedReader;
 6
 7
    import java.io.InputStreamReader;
 8
                                                                                     11
 9
    //import for Scanner and other utility classes
10
   import java.util.*;
11
12
   // Warning: Printing unwanted or ill-formatted data to output will cause the te
13
14
15
   import java.io.BufferedReader;
    import java.io.IOException;
16
   import java.io.InputStreamReader;
17
   import java.util.HashMap;
18
19
    import java.util.Map;
20
   class TestClass {
21
22
        public static void main(String[] args) throws IOException {
            try(final BufferedReader reader = new BufferedReader(new InputStreamRea
23
24
                final int total = Integer.parseInt(reader.readLine());
                final String inputList = reader.readLine();
25
26
                String[] split = inputList.split(" ");
27
28
29
                final Map<Integer, Integer> hashMap = new HashMap<>(total);
30
                for(int i = 0; i < split.length; i++) {</pre>
31
                    final int temp = Integer.parseInt(split[i]);
32
33
                    if(hashMap.containsKev(temp)) {
34
                         hashMap.put(temp, hashMap.get(temp) + 1);
                    }else {
35
36
                        hashMap.put(temp, 1);
37
38
39
40
                final int totalInputs = Integer.parseInt(reader.readLine());
                                                                                  53:1
41
```

Press Ctrl/Command+Spacebar for autocomplete suggestions (accuracy dependent on connection stability).

■ Provide custom input

COMPILE & TEST

SUBMIT

```
RESULT: ◆ Accepted

Score Time (sec) Memory (KiB) Language 10.0 1.12544 3137136 Java 8
```

ln	put	Result	Time (sec)	Memory (KiB)	Score	Your Output	Correct Output	Diff
	put #1	•	0.101385	64	10	Φ	Φ	()
	put #2	•	0.103294	64	10	Ø	Φ	(I)
	put #3	•	0.109446	64	10	Ø	Φ	(1)
	put #4	•	0.200878	3137136	20	Φ	Φ	(I)
	put #5	•	0.610433	3137136	50	Φ	Ø	(J)

Your Rating:

View all comments

PROGRAMMERS WHO SOLVED THIS PROBLEM ALSO SOLVED

Binary Queries Attempted By: 13098 / Accuracy: 24 ★★★☆☆ 241 Votes	Monk And Welcome Pro Attempted By: 34285 / Accuracy: 82 ★★★☆☆ 913 Votes	Micro And Array Update Attempted By: 23109 / Accuracy: 72 ★★★☆☆ 543 Votes
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