**KK and crush**

Attempted by: **1965**

/

Accuracy: **77%**

/

Maximum Score: **20**

/

25 Votes

Tag(s):

Easy

**PROBLEM**

**EDITORIAL**

**MY SUBMISSIONS**

**ANALYTICS**

KK has a crush on a girl in his class. In this valentines day he planned to propose her.

KK's crush will accept his proposal if KK solves the following problem:-

Given an array A of n numbers and k queries. In each query we have a number x .Now KK has to tell to whether number x exists in array or not.

Can you help KK?

\**Input :- \**

First line contains number of test cases t.First line of each test case contains number of elements n in array A. Second line contains n elements of array of A.Third line contains k(number of queries). Following k lines contain a number x.

\**Output :- \**

For each query in a test case print "Yes" or "No" ( Quotes for clarity ).

**Constraints:-**

1<=t<=12 (t= Number of test cases in each input file).

1<=n<=10^5 (n=number of elements in array).

-10^5<=A[i]<=10^5 (A[i]=ith element of array).

1<=k<=10^4 (k=number of queries).

-10^5<=x<=10^5 (x=Number asked to search for in each query).

**SAMPLE INPUT**

2

5

12 13 -4 3 2

6

15

11

13

2

3

12

6

12 3 -67 67 34 2

4

4

5

67

7

**SAMPLE OUTPUT**

No

No

Yes

Yes

Yes

Yes

No

No

Yes

No

**Time Limit:**1.0 sec(s) for each input file.

**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), TypeScript, 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, Visual Basic

<https://www.hackerearth.com/practice/data-structures/hash-tables/basics-of-hash-tables/practice-problems/algorithm/exists/>

1. #include <iostream>
2. #include <stdio.h>
3. #include <set>
5. using namespace std;
7. int main() {

10. //int t = int.Parse(Console.ReadLine());
11. int t;
12. scanf("%d", &t);
14. while(--t >= 0)
15. {
16. //int n = int.Parse(Console.ReadLine());
17. //int[] A = Array.ConvertAll(Console.ReadLine().Trim().Split(' ') , e => int.Parse(e));
18. //int k = int.Parse(Console.ReadLine());
19. int n;
20. scanf("%d", &n);
21. //int A[n];
22. set<int> hash;
23. for(int i =0; i<n; i++) {
24. int elem;
25. scanf("%d", &elem);
26. hash.insert(elem);
27. }
29. //HashSet<int> hash = new HashSet<int>(A);
30. // while(k-- > 0)
31. //List<string> respuestas =
32. //    new List<string>();
33. //for(int j =0; j<k; j++)
34. while(--k >= 0)
35. {
36. //int q = int.Parse(Console.ReadLine());
37. int q;
38. scanf("%d", &q);
39. if(hash.find(q) != hash.end())
40. {
41. //Console.WriteLine("Yes");
42. //respuestas.push\_back("Yes");
43. cout << "Yes" << endl;
44. }
45. else
46. {
47. //Console.WriteLine("No");
48. //respuestas.Add("No");
49. cout << "No" << endl;
50. }
51. }
53. }
55. return 0;
56. }