

Намиране на елемент

locked

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|---------|-------------|-------------|-------------|
| Problem | Submissions | Leaderboard | Discussions |
|---------|-------------|-------------|-------------|

Submitted 6 months ago • Score: 92.86

Status: Wrong Answer

|   |               |   |               |   |               |
|---|---------------|---|---------------|---|---------------|
| ✓ | Test Case #0  | ✓ | Test Case #1  | ✓ | Test Case #2  |
| ✓ | Test Case #3  | ✗ | Test Case #4  | ✓ | Test Case #5  |
| ✓ | Test Case #6  | ✓ | Test Case #7  | ✓ | Test Case #8  |
| ✓ | Test Case #9  | ✓ | Test Case #10 | ✓ | Test Case #11 |
| ✓ | Test Case #12 | ✓ | Test Case #13 | ✓ | Test Case #14 |

Submitted Code

Language: C++

Open in editor

```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7 void binarySearch(int* arr,int size,int target){
8     int left=0;
9     int right=size-1;
10    bool find=false;
11
12    while(left<=right){
13        int mid=(left+right)/2;
14        if(target<arr[mid]){
15            right=mid-1;
16        }
17        else if(target>arr[mid]){
18            left=mid+1;
19        }
20        else if(target==arr[mid]){
21            find=true;
22            int leftLim=mid;
23            int rightLim=mid;
24            while(arr[rightLim+1]==target){
25                rightLim++;
26            }
27            while(arr[leftLim-1]==target){
28                leftLim--;
29            }
30            cout<<leftLim<<" "<<rightLim;
31
32            break;
33        }
34    }
35    if(!find){
36        cout<<left;
37    }
38 }
39
40 int main() {
41     int size;
42     cin>>size;
43     int* arr=new int[size];
44     for(int i=0;i<size;i++){
45         cin>>arr[i];
46     }
47     int queriesNumber;
48     cin>>queriesNumber;
49     int number;
50     for(int i=0;i<queriesNumber;i++){
51         cin>>number;
52         binarySearch(arr,size,number);
53         cout<<endl;
54     }
55
56     return 0;
57 }
58
```