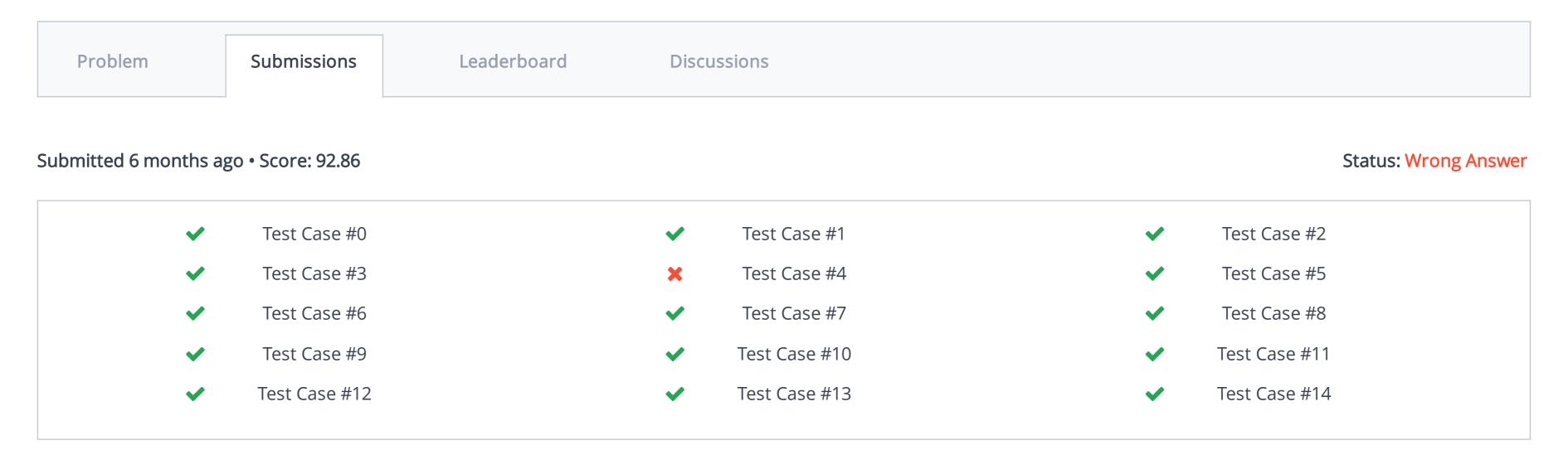
## Намиране на елемент





## **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){
    int left=0;
    int right=size-1;
    bool find=false;
11
    while(left<=right){</pre>
      int mid=(left+right)/2;
13
      if(target<arr[mid]){</pre>
14
         right=mid-1;
15
16
17
       else if(target>arr[mid]){
18
         left=mid+1;
19
20
       else if(target==arr[mid]){
         find=true;
21
         int leftLim=mid;
23
         int rightLim=mid;
24
         while(arr[rightLim+1]==target){
25
           rightLim++;
26
27
         while(arr[leftLim-1]==target){
           leftLim--;
29
30
         cout<<leftLim<<" "<<rightLim;</pre>
31
32
         break;
33
    if(!find){
36
       cout<<left;</pre>
37
38 }
39
40 int main() {
       int size;
      cin>>size;
    int* arr=new int[size];
44
    for(int i=0;i<size;i++){</pre>
       cin>>arr[i];
45
46
   int queriesNumber;
    cin>>queriesNumber;
    int number;
     for(int i=0;i<queriesNumber;i++){</pre>
       cin>>number;
       binarySearch(arr, size, number);
       cout<<endl;</pre>
54
55
56
       return 0;
57 }
58
```