Lonely Integer

```
#include <bits/stdc++.h>
using namespace std;
string ltrim(const string &);
string rtrim(const string &);
vector<string> split(const string &);
/*
 * Complete the 'lonelyinteger' function below.
 * The function is expected to return an INTEGER.
 * The function accepts INTEGER ARRAY a as parameter.
 * /
int lonelyinteger(vector<int> a) {
    unordered map<int, int>mp;
    for(int i=0;i<a.size();i++){</pre>
        mp[a[i]]++;
    for(auto& pair : mp){
        if (pair.second == 1) {
            return pair.first;
    return -1;
}
int main()
    ofstream fout(getenv("OUTPUT PATH"));
    string n temp;
    getline(cin, n temp);
    int n = stoi(ltrim(rtrim(n temp)));
    string a temp temp;
    getline(cin, a temp temp);
    vector<string> a temp = split(rtrim(a temp temp));
    vector<int> a(n);
```

```
for (int i = 0; i < n; i++) {</pre>
        int a item = stoi(a temp[i]);
        a[i] = a item;
    }
    int result = lonelyinteger(a);
    fout << result << "\n";</pre>
    fout.close();
    return 0;
}
string ltrim(const string &str) {
    string s(str);
    s.erase(
        s.begin(),
        find if(s.begin(), s.end(), not1(ptr fun<int,</pre>
int>(isspace)))
    );
    return s;
}
string rtrim(const string &str) {
    string s(str);
    s.erase(
        find if(s.rbegin(), s.rend(), not1(ptr fun<int,</pre>
int>(isspace))).base(),
        s.end()
    );
   return s;
}
vector<string> split(const string &str) {
    vector<string> tokens;
    string::size type start = 0;
    string::size type end = 0;
```

```
while ((end = str.find(" ", start)) != string::npos) {
    tokens.push_back(str.substr(start, end - start));

    start = end + 1;
}

tokens.push_back(str.substr(start));

return tokens;
}
```