

43A - Football

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1 Problem

Problem Description : <https://codeforces.com/problemset/problem/43/A>

2 Objective

Given n strings and each string indicates the name of the team that scores a goal, find name of the team that has the most goals

3 Solution

Since the input is string, we can just use a hashmap and use the value of the string as key, and increment the value of the key everytime. After that, we just do a simple check if the value of the the key is greater than the current max value, then we assign the value of the key to the current max value and assign the key to the winner.

4 Code

```
#include <bits/stdc++.h>

using namespace std;

int main(){
    map<string,int> tim;
    string s,tem;
    int n,res = INT_MIN;
    cin >> n;
    while(n--){
        cin >> s;
        tim[s]++;
        if(tim[s] > res){
            res = tim[s];
            tem = s;
        }
    }
    cout << tem << "\n";
    return 0;
}
```