 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 6	Name : Pushti Depani	
Day : 144	Date : 12/3/2023	Enrollment No: 92000133018

CP Club 365 Days Challenge

Programming language – Any language

Problem Statement

<https://www.codechef.com/problems/XOR2?tab=statement>

<https://www.codechef.com/viewsolution/91924476>


Your Code:

```
#include <bits/stdc++.h>
using namespace std;

int main() {
    int t;
    cin>>t;
    while(t--){
        int a;
        cin>>a;
        int arr[a];
        int n =0;
        for(int i = 0; i<a; i++){
            cin>>arr[i];

            n ^= arr[i];
        }

        if(n == 0 || a%2 == 1){
            cout<<"yes"<<endl;
        }
    }
}
```

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```

    else cout<<"no"<<endl;
}
return 0;
}

```


Output (Screen Shot):

Sub-Task	Task #	Result (time)
1	0	AC (0.003973)
1	1	AC (0.080197)
1	2	AC (0.031478)
1	3	AC (0.034610)
1	4	AC (0.046236)
Subtask Score: 100.00%		Result - AC
Total Score = 100.00%		

Understanding about problem:

In this problem we need to perform exclusive or operation on each array corresponding to n. in this we need to compare that it is 1 if only one of the bits is 1, but will be 0 if both are 0 or both are 1 this is the condition for xor. So we will be comparing this with n and if it is equal to 0 or $a\%2$ will be 1 then it will print 1 or else it will print no.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

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ALL THE BEST

Team CP Club