

# Find the element that appears once in sorted array

寻找数组中只出现一次的数

采用异或运算符

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

using namespace std;

typedef vector<int> vi;

int appearOnce(vi &arr, int &N) {
    int res = arr[0];
    for (int i = 1; i < N; ++i) {
        res ^= arr[i];
    }
    return res;
}

int main() {
    int T;
    scanf("%d", &T);
    while (T--) {
        int N;
        scanf("%d", &N);
        vi arr(N);
        for (int i = 0; i < N; ++i) {
            scanf("%d", &arr[i]);
        }
        printf("%d\n", appearOnce(arr, N));
    }
    return 0;
}
```