Gaitonde Loves Median

Problem Setter , Editorialist : Tapan Goyal

For any subarray, if we choose the median, then the local minimum and local maximum would never be selected.
So we can prove that global minimum and global maximum of that array would not be chosen by Gaitonde.
So the final sum of all chosen bomb is Sum of array - minimum of array - maximum of array.

C++ Solution :

```
/*******************************
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 *******************************/

#include <iostream>
#include <vector>
#include <string>
#include <map>
#include <bits/stdc++.h>
#include <set>
#include <cmath>
#include <algorithm>
#include <queue>
#define pb push_back
#define ll long long
#define mp make_pair;
using namespace std;
ll i,j,_,t;
int main(){
    ios_base::sync_with_stdio(false);
    cin.tie(NULL);

    cin>>t;
    while(t--){
        ll n,mi=1e10,ma=-1e10,su=0;
        cin>>n;
        ll a[n];
        for(i=0;i<n;i++){
            cin>>a[i];
            mi=min(mi,a[i]);
            ma=max(ma,a[i]);
```

```
            su+=a[i];
        }
        cout<<su-ma-mi<<endl;
    }
}
```

Python Solution:

```
'''##############################
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##############################'''

t=int(input())
for _ in range(t):
    n=int(input())
    a=list(map(int,input().split()))
    print(sum(a)-min(a)-max(a))
```