**LINK:**

[**https://app.codility.com/demo/results/trainingT8D679-HVS/**](https://app.codility.com/demo/results/trainingT8D679-HVS/)

**CODE:**

// you can use includes, for example:

// #include <algorithm>

#include <vector>

#include <cmath>

#include <climits>

using namespace std;

// you can write to stdout for debugging purposes, e.g.

// cout << "this is a debug message" << endl;

int solution(vector<int> &A) {

// Implement your solution here

long tsum = 0;

long sum1 = 0;

for(size\_t i=0;i<A.size();i++){

tsum += A[i];

}

int mindiff=INT\_MAX;

for(auto num : A){

sum1 += num;

int sum2 = tsum - sum1;

int diff = abs(sum1-sum2);

// cout<<sum1<<" - "<<sum2<<"="<<diff<<" "<<endl;

mindiff = min(diff, mindiff);

}

return mindiff;

}