Problem Link:

<https://codeforces.com/problemset/problem/381/A>

Solution:

* **#include <iostream>**
* **#include <vector>**
* **using namespace std;**
* **int main() {**
* **int n;**
* **cin >> n;**
* **vector<int> v(n);**
* **for(int i = 0; i < n; ++i)**
* **{**
* **cin >> v[i];**
* **}**
* **int s = 0, d = 0;**
* **int l = 0, r = n - 1;**
* **bool f = true;**
* **while(l <= r)**
* **{**
* **if(v[l] > v[r])**
* **{**
* **if(f)**
* **{**
* **s += v[l];**
* **}**
* **else**
* **{**
* **d += v[l];**
* **}**
* **++l;**
* **}**
* **else**
* **{**
* **if(f)**
* **{**
* **s += v[r];**
* **}**
* **else**
* **{**
* **d += v[r];**
* **}**
* **--r;**
* **}**
* **f = !f;**
* **}**
* **cout << s << " " << d << endl;**
* **return 0;**
* **}**