#include<bits/stdc++.h>

using namespace std;

int solve(vector<int> &arr, int n){

unordered\_map<int, int> mp;

mp[0] = 1;

int sum = 0;

int count = 0;

// int max\_len = 0;

for(int i=0;i<n;i++){

sum+=arr[i];

int idx,flag=0;

if(mp.find(sum)!=mp.end()){

count+= mp[sum];

}

mp[sum]++;

}

return count;

}

int main(){

int n;

cin>>n;

vector<int> arr(n);

for(int i=0;i<n;i++){

cin>>arr[i];

}

cout<<solve(arr,n);

}