Задание:

We have this big list of (signed) integers.

We are interested in finding every index "idx" (zero-based, of course) in this list, that has the following property:

The sum of the integers preceding (but not including) index idx is equal to the sum of the integers following (again not including) idx. i.e.: (Referring to our list of integers for a moment as "A[]" and the number of integers in the list N), then we want every index

idx for which the following is true:

   A[0] + A[1] + ... + A[idx-1] == A[idx+1] + A[idx+2] ... + A[N-1]

Note that there is likely to be more than one index "idx" in the list that satisfies this property.

Write code that finds every index in our big list that has this property.

Then, sum up every index that you found, and that is the answer to question 1.

For reference, given the array [-7,1,5,2,-4,3,0], the answer we are looking for is 9 because indices 3 and 6 have the property we are looking for

(-7 + 1 + 5 == -4 + 3 + 0  and  -7 + 1 + 5 + 2 + -4 + 3 == 0)

and 3 + 6 = 9.