

Largest subarray with 0 sum

Given an array having both positive and negative integers. The task is to compute the length of the largest subarray with sum 0.

Example 1:

Input:

N = 8

A[] = {15, -2, 2, -8, 1, 7, 10, 23}

Output: 5

Explanation: The largest subarray with sum 0 will be -2 2 -8 1 7.

Your Task:

You just have to complete the function **maxLen()** which takes two arguments an array **A** and **n**, where n is the size of the array A and returns the length of the largest subarray with 0 sum.

Expected Time Complexity: O(N).

Expected Auxiliary Space: O(N).

Constraints:

$1 \leq N \leq 10^5$

$-1000 \leq A[i] \leq 1000$, for each valid i