# STUDENT REPORT

28/2

# **DETAILS**

### Name

Mohammed Aaqib R

Roll Number

22BI24EE417-T

## **EXPERIMENT**

Title

PREFIX-SUFFIX BALANCE

Description You are given an array A of N integers. The array A can be divided into two parts: the first part consists of the first 'i' elements of A (where i ranges from 1 to N), and the second part consists of the last (N-i) elements of A

Your task is to find and return a new array named result of the same size as A, where each element of result[i] represents the absolute difference between the sum of the elements in the first part of A and the sum of the elements in the second part of A

Note: For i= N,N-i=0.So, consider the sum of last N-i integers as 0 in this case

### **Input Specifications:**

input1: An integer value representing the size of the array A.

input2: An integer array A.

**Output Specification:** 

Return a new integer array named result of the same size as A, where each element of result[i) represents the absolute difference between the sum of the elements in the first part A and the sum of the elements in the second part of A

### Sample Input:

12345

## **Sample Output:**

[13, 9, 3, 5, 15]