3827



## STUDENT REPORT

05)

388

## DETAILS

#### Name

**G SANJANA** 

Roll Number

3BR23CS057

#### **EXPERIMENT**

### Title

ANT ON RAIL

#### **Description**

There is a ant on your balcony. It wants to leave the rail so sometimes it moves right and sometimes it moves left until it gets exhausted. Given an integer array A of size N which consists of integer 1 and -1 only representing ant's moves.

Where 1 means ant moved unit distance towards the right side and -1 means it moved unit distance towards the left .Your task is to find and return the integer value representing how many times the ant reaches back to original starting position.

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#### Note:

- Assume 1-based indexing
- Assume that the railing extends infinitely on the either sides

#### **Input Format:**

**input1**: An integer value N representing the number of moves made by the ant.

**input2**: An integer array A consisting of the ant's moves towards either side

#### Sample Input

1 -1 1 -1 1

#### **Sample Output**

# 38R23C50513BR23C-Source Code:

9/27/24, 10:01 PM 3BR23CS057-Ant on Rail