8223

3CD0233BR23CD0233BR23CD0233BR23CV

COOL



500

DETAILS

Name

GOUTHAMI J

Roll Number

3BR23CD023

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.

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.

38R23CD0233BR23CD0233BR23CD023

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

Sample Input

5

1 -1 1 -1 1

Sample Output

Source Code: 38R23CD0233BR233C

9/26/24, 3:10 PM 3BR23CD023-Ant on Rail