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BRAZERO ON ARRAZERO ON ARRAZER

AN BREEZE HOROTOR BREEZE HOROTOR BEEZE HOROT

DETAILS

Name

NAVITHA

Roll Number

3BR23CD010

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.

28R23CD010 38R23CD010 3R20CD010 3R20C

38R23CD01038R23CD01038R23CD010

1038R23CD01038R23CD01038R23CD01038R23CD010

38R23CD010 38R22CD010 38R22CD010

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

5

1 -1 1 -1 1

Sample Output

38R23CD01038R23CD01038F Source Code: 38R23CD01038R23C

```
def count_returns_to_start(N, A):
    current_position = 0
    return_count = 0

    for move in A:
        current_position += move
        if current_position == 0:
            return_count += 1

        return return_count

# Example usage:
    N = int(input())
A = list(map(int,input().split())) # Example moves
    result = count_returns_to_start(N, A)
    print(result) # Output: 3

RESULT

S/5 Test Cases Passed | 100 %
```