NPB

TEMP BT BCh. EEE 1 O TEMP BT BCh. EEE 1 O TEMP BT BCh. EEE 1. O TEMP BCh. EEE 1. O TEMP



STUDENT REPORT

DETAILS

Name

MOHAMMED UMAR FAROOQ K

Roll Number

TEMPBTech-EEE116

EXPERIMENT

EMPB 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.

TEMP BT ECH. EEE, 10 TEMP BT E

TEMP8 Tech. EEE 176 TEMP8 Tech. EEE 176

28/e

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

Sample Input

5

1 -1 1 -1 1

Sample Output

TEMP Brech. EEE 10 LEMP Brech. Source Code: TEMP Blech, EEF, 16

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

for move in A:
        current_position==0:
        return_count*=1

    return return_count

#Example usage:
N=int(input())
A=list(map(int,input().sprit())) # Example move
result=count_return_to_start(N,A)
print(result) # output:3

RESULT

0/5 Test Cases Passed | 0 %
```