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CEOO

1003

FCFO

400

ECHOO2 TEMPBTech. ECHOO2 TEMPB

TEMP BTECH. ECHOO? TEMP BTECH. E

DETAILS

Name

BANDU BHAI MOHAMMED EISSA

Roll Number

TEMPBTech-ECE002

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.

TEMP BIECH. ECEDO 2 TEMP BIECH. ECED 2 TEMP BIECH

ECFOO2 LEWB BLOCK. FCFOO2 LEWB BLOCK.

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 BTech. ECEO 2 TEMP BTec. ECEOO2 TEMPBTECH.E. **Source Code:** LEMPE

LEMPS

```
def count_return_to_origin(N, A):
    position = 0
    return_count = 0

for move in A:
    position == 0:
    return_count += 1

    return return_count

N = int(input())
A = list(map(int,input().strip().split()))[:N]

print(count_return_to_origin(N, A))

RESULT

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