1090



382

2006

38R23A10963BR23A10963BR23A10963BF

NO96 3BR23A1096 3BR23A

3210

8223

DETAILS

Name

MOHAMMED NEHAAN BELGAUMI

Roll Number

3BR23AI096

384

EXPERIMENT

Title

,A1096

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.

38R23A10963BR23A10963BR23A109

38R23A10963BR23A10963BR23A109633V

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

Sample Input

5

1-11-11

Sample Output

38R23A10963BR23A10963BR22 3BR23A10963BR23A1 Source Code: 38R23A

9/26/24, 11:56 PM 3BR23AI096-Ant on Rail

```
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

N=int(input())
A=list(map(int,input().split())))
result=count_returns_to_start(N,A)
print(result)

RESULT

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