30273CHORD 30 Logo STUDENT REPORT DETAILS 38223CH089 2324089 Name S MADAN Roll Number 4089 BRI 2CHO? 000 3BR23CA089 3BR EXPERIMENT 3 30A Title ANT ON RAIL Exyschozo Sory Description 2320039 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 MOSO 3ER find and return the integer value representing how many times the ant reaches back to original starting position. Note: 089 36P2° Assume 1-based indexing 2 3 BRISE · Assume that the railing extends infinitely on the either sides Input Format: 3827364 BRIBEROS input1: An integer value N representing the number of moves made by the ant. input 2: An integer array A consisting of the ant's moves towards either side Sample Input 273CA089 30,10893 1 -1 1 -1 1 211029 385 Sample Output 2 Source Code:

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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

RESULT

$\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2}\frac{\text{3}}{2
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