Logo STUDENT REPORT ADS TO STAND SADS TO A TO
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DETAILS 12812 Name 12812 Nam
ABDUL RAQEEB Roll Number 22Bl24DS405-T 22Bl24DS405-T
EXPERIMENT PROPERTY P
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
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. input2 : An integer array A consisting of the ant's moves towards either side
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
Sample mpar
Sample Input 1-11-11 Sample Output
Sample Output
Sample Output 2 Source Code: 228124054054 228124054 228124054 228124054 228124054 228124054 2281240540000000000000000000000000000000000
Source Code: 12812 AD SADST 12812 A
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Source Code: 12 Source Code: 12 12 12 12 12 12 12 12 12 1

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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

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