Logo 5C1028 388233CV STUDENT REPORT DETAILS Name HEMANTH KUMARA D 38R 38R 2028 028 Roll Number 3BR23CD028 EXPERIMENT Title ANT ON RAIL CDOZE Description 5002835 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 Le BRIT $find \ and \ return \ the \ integer \ value \ representing \ how \ many \ times \ the \ ant \ reaches \ back \ to \ original \ starting \ position.$ Note: 5002835 • Assume 1-based indexing 3823000 Assume that the railing extends infinitely on the either sides Input Format: 18 38R2? input 1: An integer value N representing the number of moves made by the ant.5002835 input2: An integer array A consisting of the ant's moves towards either side Sample Input 2º 3BZZ 1 -1 1 -1 1 Sample Output 50028 2 Source Code:

```
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

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