382730030 Logo STUDENT REPORT DETAILS 23003 Name J JAYALAKSHMI 300 3821 2230 28R2 Roll Number 330 3BR23CD030 388 «AlL «AlL Description EXPERIMENT Title ,00030 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 3B273C0 Your task is to find and return the integer value representing how many times the ant reaches back to original starting position. 223003 Note: ,00030 Assume 1-based indexing Assume that the railing extends infinitely on the either sides 38R Input Format: ,0 38e22? ,030 input 1: 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 223000 5 1-11-11 300030 Sample Output 2 Source Code: 38223000

```
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 %
                                                            20 3~
                   38R.
```