```
def count_return_to_origin(n,a):
       current_position=0
       count=0
       for move in a:
            current_position+=move
            if current_position==0:
               count+=1
       return count
   n=int(input())
   a=list(map(int,input().split()))
   assert len(a)==n,"length of array must match n"
   result=count_return_to_origin(n,a)
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 \%
```