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