```
def find_equilibrium_index(A):
        total_sum = sum(A) # Calculate total sum of the array
       left_sum = 0
                         # Initialize left sum to 0
       # Iterate through the array to find the equilibrium index
       for i in range(len(A)):
           # Right sum can be calculated as total_sum - left_sum - A[i]
           right_sum = total_sum - left_sum - A[i]
           if left_sum == right_sum:
               return i + 1 # Return the 1-indexed position
           left_sum += A[i] # Update left sum for the next iteration
        return "NOT FOUND" # Return if no equilibrium index is found
   # Input reading
   import sys
   input = sys.stdin.read
   data = input().splitlines()
   N = int(data[0])
   A = list(map(int, data[1].split()))
   # Calculate and print the result
   result = find_equilibrium_index(A)
   print(result)
RESULT, No
 5 / 5 Test Cases Passed | 100 %
```