```
def find_equilibrium_position(arr):
       total_sum = sum(arr) # Calculate the total sum of the array
       left_sum = 0 # Initialize left sum to 0
       for i in range(len(arr)):
            # Right sum can be derived from total_sum and left_sum
            right_sum = total_sum - left_sum - arr[i]
            if left_sum == right_sum:
               # Return 1-indexed position
               return i + 1
            # Update the left sum for the next iteration
            left_sum += arr[i]
        return "NOT FOUND"
   # Input reading
   n = int(input().strip()) # Read the integer N
   arr = list(map(int, input().strip().split())) # Read the array A
   # Calculate and print the result
   result = find_equilibrium_position(arr)
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```