```
def find_equilibrium(arr):
              N = len(arr)
              total_sum = sum(arr)
              left_sum = 0
              for i in range(N):
                  right_sum = total_sum - left_sum - arr[i]
                  if left_sum == right_sum:
                      return i + 1
                  left_sum += arr[i]
              return "NOT FOUND"
          import sys
          input = sys.stdin.read
          data = input().splitlines()
          N = int(data[0])
          A = list(map(int, data[1].split()))
          result = find_equilibrium(A)
          print(result)
     RESULT
5 / 5 Test Cases Passed | 100 %
```