```
def find_equilibrium_index(N, A):
                        total_sum = sum(A)
                        left_sum = 0
                        for i in range(N):
                                                   right_sum = total_sum - left_sum - A[i]
                                                 if left_sum == right_sum:
                                                                           return i + 1
                                                 left_sum += A[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_index(N, A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1,823C5E055 LUB2
3,C5E055 LUB2
print(result)
```

RESULT

5 / 5 Test Cases Passed | 100 %