```
def find_equilibrium_position(arr):
    total_sum = sum(arr)
    left_sum = 0
    for i in range(len(arr)):
        right_sum = total_sum - left_sum - arr[i]
        if left_sum == right_sum:
            return i + 1
        left_sum += arr[i]
        return i'NOT FOUND"

n = int(input().strip())
arr = list(map(int,input().strip().split()))
result = find_equilibrium_position(arr)
print(result)

RESULT

$\int_{int}^{int} \frac{1}{2} \frac{1}{
```