

The first line contains an integer denoting N.

The second line contains N space-separated integers denoting the elements of the array A.

Input will be read from the STDIN by the candidate

## **Output Format:**

Print the index of the equilibrium position. If no index is found, print "NOT FOUND"

## **Sample Input**

5

24733

## **Sample Output**

3

38223

AND WE BROWN SHOW BY BROWN BY BROWN SHOW BY BROWN SHOW BY BROWN 38R23C510A3BR23C510A3BR23C510. 23CS10A3BR23CS10A3BR23CS10A3BR C10A3BR23C510A3BR23C510A3BR23C5 3BR23C510A3BR23C510A3b 38R23C510A3BR233-Source Code:

```
def find_equilibrium_position(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"
    # Input reading
    N = int(input())
    A = list(map(int, input().split()))
    result = find_equilibrium_position(N, A)
    print(result)
RESULT
  5 / 5 Test Cases Passed | 100 \%
```