```
def find_equilibrium(arr):
       n = len(arr)
        total_sum = sum(arr)
       left_sum = 0
       for i in range(n):
            # Right sum is total sum minus the left sum and the current element
            right_sum = total_sum - left_sum - arr[i]
            if left_sum == right_sum:
                # Return 1-based index
                return i + 1
            # Update left_sum for the next iteration
            left_sum += arr[i]
        return "NOT FOUND"
    # Read input
    N = int(input())
    A = list(map(int, input().split()))
    # Find and print equilibrium index
    result = find_equilibrium(A)
    print(result)
RESULT
  5 / 5 Test Cases Passed | 100 %
```

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