Output Format:

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

Sample Input

5

24733

Sample Output

3

Source Code:

```
def find_equilibrium_index(N, A):
        total_sum = sum(A) # Calculate the total sum of the array
        left_sum = 0 # Initialize the left sum
       for i in range(N):
            # Calculate right sum
            right_sum = total_sum - left_sum - A[i]
            # Check if left sum equals right sum
            if left_sum == right_sum:
               return i + 1 # Return 1-based index
            # Update left sum for next iteration
            left_sum += A[i]
        return "NOT FOUND" # If no equilibrium index is found
    # Read input
    N = int(input().strip())
    A = list(map(int, input().strip().split()))
    # Calculate and print the result
    result = find_equilibrium_index(N, A)
    print(result)
RESULT
  5 / 5 Test Cases Passed | 100 %
```