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

## **Source Code:**

```
def find_equilibrium_index(A):
        total_sum = sum(A)
        left_sum = 0
        for i in range(len(A)):
            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()))
    # Calculate and print the result
    result = find_equilibrium_index(A)
    print(result)
RESULT
  5 / 5 Test Cases Passed | 100 %
```

AFER

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