```
def find_equilibrium(N, A):
    total_sum = sum(A) # Calculate total sum of the array
                       # Initialize left sum to 0
    for i in range(N):
        # Calculate right sum
        right_sum = total_sum - left_sum - A[i]
        # Check for equilibrium
        if left_sum == right_sum:
            return i + 1 # Return the 1-indexed position
        # Update left sum for the next iteration
        left_sum += A[i]
    return "NOT FOUND" # If no equilibrium position is found
# Example usage
if __name__ == "__main__":
    import sys
    input = sys.stdin.read
    data = input().splitlines()
    N = int(data[0]) # Read N
    A = list(map(int, data[1].split())) # Read the array A
    result = find_equilibrium(N, A)
    print(result)
```

**RESULT** 

5 / 5 Test Cases Passed | 100 %

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