103BR23A	STUDENT REPORT	3BR23
DE N	Name of Andrew Costerior C	58 R23 R1V
,5,	SRINIVAS RAO B  Roll Number  3BR23Al156	3R1563
S Titl	SRINIVAS RAO B  Roll Number  3BR23AI156  (PERIMENT)  Cle  EQUILIBRIUM  Description  You are given an array A of N integers. An equilibrium position is a position where the sum of all integers on its left is equal to the sum	, 56 3BR <sup>21</sup>
4	Description  You are given an array A of N integers. An equilibrium position is a position where the sum of all integers on its left is equal to the sum	3BR23A1
38/1503	of all integers on its right in the array A. Print the index of the equilibrium position.  Note:For any given array there is only a single equilibrium position, if no equilibrium position is found then print "NOT FOUND" without quotes.	234156
156 3BR2	The array is 1 indexed.	156 3BR
3A	The input consists of two lines:	
3BR23A1	The first line contains an integer denoting N.	3BR23P
	The second line contains N space-separated integers denoting the elements of the array A.	2
23A150	Input will be read from the STDIN by the candidate	156
	Drive the index of the annihilation position if no index is found unit "NOT FOUND"	,23A158
3BP	Sample Input	4
1156 3BR	5	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
·	24733	A
3BR23P	Sample Output	2023
	3	36 38 EV
s	Source Code: 36. 36. 36. 36. 36. 36. 36. 36. 36. 36.	A STATE OF THE STA

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def find_equilibrium_index(N, A):
             total_sum = sum(A) # Calculate the total sum of the array
             left_sum = 0 # Initialize left sum
             for i in range(N):
                 # Right sum is total sum minus the left sum and the current element
                 right_sum = total_sum - left_sum - A[i]
                 # Check for equilibrium
                 if left_sum == right_sum:
                     return i + 1 # Return 1-indexed position
                 # Update left sum for the next iteration
                 left_sum += A[i]
             return "NOT FOUND" # If no equilibrium index found
         # Input handling
         N = int(input())
         A = list(map(int, input().strip().split()))
         # Output the result
         print(find_equilibrium_index(N, A))
RESULT
```

5 / 5 Test Cases Passed | 100 %