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:C1873BR	STUDENT REPORT	
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	QUILIBRIUM (C) ARD (C)	
350	AND SECURE	
31 3ER D	escription 35tC 35tC 35tC 35tC 35tC	
5'	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	
6,96	of all integers on its right in the array A. Print the index of the equilibrium position.	
,RP3EC18	Note : For any given array there is only a single equilibrium position, if no equilibrium position is found then print "NOT FOUND" without quotes.	
	The array is 1 indexed	
138		
£C18138	Input Format: The input consists of two lines:	
	$oldsymbol{arphi}^{oldsymbol{\gamma}}$	
513BE235		
5130	The first line contains an integer denoting N. The second line contains N space-separated integers denoting the elements of the array A.	
	₹	
5R13EC18	Output Format:	
bRI	Output Format: Print the index of the equilibrium position. If no index is found, print "NOT FOUND"	
8	Sample Input	
EC18138	5	
£0	5 2 4 7 3 3	
25	Sample Output	
3BR235	3	
S	Sample Output 3 ource Code: Output	
	3HE CONSTRUCTION STATE OF THE S	

```
def find_equilibrium_position(N, A):
       total_sum = sum(A)
       left_sum = 0
       for i in range(N):
           right_sum = total_sum - left_sum - A[i]
           if left_sum == right_sum:
               return i + 1
           left_sum += A[i]
       return "NOT FOUND"
   # Input reading
   N = int(input())
                                                                                                  138R23EC 1813EC 223EC 2
   A = list(map(int, input().split()))
   result = find_equilibrium_position(N, A)
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```