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38R136	3BR23CD105 (PERIMENT, by 3HR) 3CD 105 3HR)	0,050
)	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	50,03
~5	of all integers on its right in the array A. Print the index of the equilibrium position.	
223001	Note : For any given array there is only a single equilibrium position, if no equilibrium position is found then print "NOT FOUND" without quotes.	53BR1?
	The array is 1 indexed	, ¹ 3 [×]
538		
50,0538	Input Format:	223001
		ž.V
53BR236		
(2)	The second line contains N space-separated integers denoting the elements of the array A.	,010535
C	Input will be read from the STDIN by the candidate) .
2230019	Output Format:	S.
5-	Print the index of the equilibrium position. If no index is found, print "NOT FOUND"	53BR2?
38	Sample Input	
,010538	5	CONT.
	24733	ED.
3BR236	Sample Output	
36,	3	*0\\ 200.000 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		1000
,	Source Code: Solid State	-Q
	OBCO, SALVE OLORS,	ART OF THE PERSON OF THE PERSO
	Sample Output 3 Source Code: ACD ARRANGED TO ARRANGE	50
	ARE SOLVE STATE OF ST	*
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		7

```
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())
   A = list(map(int, input().split()))
   result = find_equilibrium_position(N, A)
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```