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5009 3 <sup>R</sup>	STUDENT REPORT	500
D D	STUDENT REPORT  Name CENT ANANYA	30
-)	ANANYA	000
300	D. Hallander	
5130°	3BR23CS009	8273
ॢo <sup>⊙</sup> Ti	EXPERIMENTS ARE SUPPLIED ARE SU	3*
\n's	3BR23CS009  SXPERIMENT  Title  EQUILIBRIUM  Description  Description  ARRANGE AN equilibrium position is a position where the sum of all integers on its left is equal to the sum.	13°C5V
38/4	Description 35 38th 2009 1 38th 2000 1 38th 2000 1 38th 2000 1 38t	300° 38°
273550	of all integers on its right in the array A. Print the index of the equilibrium position.	5
57,3	quotes.	3BR13
;500° 38		
50	Input Format:	23050
000	The input consists of two lines:	-
38203	The first line contains an integer denoting N.	38
,	The second line contains N space-separated integers denoting the elements of the array A.	3009 38
30	Input will be read from the STDIN by the candidate	
R13C501	Output Format:	222
	Print the index of the equilibrium position. If no index is found, print "NOT FOUND"	3BR23
5009 38	Sample Input	
500	5	<i>Feb.</i>
	24733	3
3BR?	Sample Output	
,5	3	- 1385 J.
	Sample Output  3  Source Code: 3050 34RA 3050	
	38th San	250

```
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 %
```