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(echi-	TEMPBTech-CSE015	
EX Tit	(PERIMENT) TE THE TEET OF THE	STEM
<sup>2</sup> N,	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	MP BTech
		7,
EMPRIE	<b>Note</b> : For any given array there is only a single equilibrium position, if no equilibrium position is found then print "NOT FOUND" without quotes.	16
<u>,                                     </u>	The array is 1 indexed.	, £015 1€
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csE0151	Input Format:	a Technice
		870
RBTech.	The first line contains an integer denoting N.	۰۶
Rep	The second line contains N space-separated integers denoting the elements of the array A.	STEMP
. 2	Input will be read from the STDIN by the candidate	,
:075767	Output Format:	c to
£.	Print the index of the equilibrium position. If no index is found, print "NOT FOUND"	echi. CSEO
c.S	Sample Input	
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	24733	THE WILL
LEMPE	Compile Outhout	
	3	Call Olia
,	Source Code:    Code	in the second se

```
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 %
```