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TEMPBTech-CSE039 EXPERIMENT Title EQUILIBRIUM Description The properties of the	is techcestoss.
Description Helical School South Carlos South Carlos Stores Set	,RB
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 Neglecti
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" wit quotes.	hout
The array is 1 indexed.	£ 5
Input Format:	C.
Input Format:	a Tech Ce
The input consists of two lines:	
The input consists of two lines: The first line contains an integer denoting N. The second line contains N space-separated integers denoting the elements of the array A.	30 LEMPS
The second line contains N space-separated integers denoting the elements of the array A.	35
Input will be read from the STDIN by the candidate	
Input will be read from the STDIN by the candidate Output Format: Driet the index of the equilibrium position. If no index is found print "NOT FOUND"	echics to
Print the index of the equilibrium position. If no index is found, print, NOT FOUND	2577.0
Sample Input 5	
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Sample Output	,
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Source Code: Thing to color of the color of	Mark Recipion of the Control of the
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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 %
```