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STUDENT REPORT 22812 ADS	NO.
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EXPERIMENT Title EQUILIBRIUM Description Description Description And the property of N integers. An equilibrium position is a position where the sum of all integers on its left is equal to the sum.	NO.
Tou are given an array A of N integers. An equilibrium position is a position where the sum of an integers of its left is equal to the sum	
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" without quotes. The array is 1 indexed.	,
The array is 1 indexed.	
Input Format: The input consists of two lines:	2
The input consists of two lines.	
The first line contains an integer denoting N.	50
${\mathcal V}$	
Input will be read from the STDIN by the candidate	
Output Format:	8)
Output Format: Print the index of the equilibrium position. If no index is found, print "NOT FOUND"	
Sample Input 5	28
24733	
Sample Output 3	<u> </u>
¹ √ 3	S. S.
Source Code: 22 Brands And 5 T.	88° CO
27 Bill 25 ADST 2 ADST AND	

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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 %
```