DETAILS Name 3CO 100 MAINI D	STUDENT REPORT 32C7 106 3HR23CD 106 3HR23
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EQUILIBRIUM	32CD 106 3BF 23CD
Description	106 136 138 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1 106 1
Description	
You are given an a	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
of all integers on	its right in the array A. Print the index of the equilibrium position.
Note:For any give quotes.	en array there is only a single equilibrium position, if no equilibrium position is found then print "NOT FOUND" without dexed.
The array is 1 inc	dexed.
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Input Format:	ate of two lines:
	ets of two lines:
300	
The accord line	00
	contains N space-separated integers denoting the elements of the array A.
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Output Format:	of the equilibrium position. If no index is found, print "NOT FOUND"
Print the index o	f the equilibrium position. If no index is found, print "NOT FOUND"
Sample Input	
Sample Input 5	
24733	
Sample Output	
•	
15. O.d. 6	
Source Code:	
°S*	SHLY3CUTOO3BLY3C
Q	34g. 10/00 18/3CA 19/2g. 10/00 18/3CA 18/2g.
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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 %
```