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3BR23EE061  EXPERIMENT  Title  EQUILIBRIUM  Description  Description  Description  ARA SHEDO SHE	56
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Tou are given an array A of N integers. An equilibrium position is a position where the sum of an 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 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	35
The array is 1 indexed	
Input Format:	50
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.	38
The second line contains N space-separated integers denoting the elements of the array A.	5
Input will be read from the STDIN by the candidate	
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Sample Input  5	88. (2
24733	2
Sample Output	
	33
Source Code:  3  Source Code:  3  Real of the control of the contr	See See

```
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())
                                                                                                  38R23ELO6 38R23E
   A = list(map(int, input().split()))
   result = find_equilibrium_position(N, A)
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 \%
```