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38 A2 38	STUDENT REPORT	SOA
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R13C501	3BR23CS042	3BR23
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138R13	Description 38th 355	OA2 3E
	You are given an array A or N integers. An equilibrium position is a position where the sum or an integers on its left is equal to the sum of	,o ^x ,
R13C501	Note : For any given array there is only a single equilibrium position, if no equilibrium position is found then print "NOT FOUND" without quotes.	3BR236
38		
380A2 38	Input Format:	130500
.0	The input consists of two lines:	
238R129	The first line contains an integer denoting N.	38
×V	The second line contains N space-separated integers denoting the elements of the array A.	3P
~1	Input will be read from the STDIN by the candidate	
R13C501	Output Format:	-03
54.	Print the index of the equilibrium position. If no index is found, print "NOT FOUND"	3BR136
	Sample Input	
550A2 35	5	GOA.
	24733	130x1
O.S.	Sample Output	
3BRIT	3	08829
	Source Code: 3C5 3RR 23C5 0R 23RR 23C5 0R 23	AND
		550

```
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 \%
```