	Logo	
38	ETAILS  Name  Stoop  D MISBA SANIYA	
CO3A	STUDENT REPORT	¢031
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36	STUDENT REPORT  STUDENT REPORT	3R
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E.	XPERIMENT, N. J. L. C. S. M. S. L. C	
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.0	SPERIMENT, A 3BR23ECO3A 3BR23ECO3	34,00
,A 3BR23	FCO3 345035, 345038, 3	
3BR1	Description A State Cost State Co	36
) <sup>V</sup>	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	3A 3B
~0°.	of all integers on its right in the array A. Print the index of the equilibrium position.	
,R23Ec0?	<b>Note</b> : For any given array there is only a single equilibrium position, if no equilibrium position is found then print "NOT FOUND" without quotes.	3BR23F
	The exercise 1 independ	5
2K 3K		
£C03A3P	Input Format:	3ECO3
<	The input consists of two lines:	′
3A 3BR23	The first line contains an integer denoting N.	Š
500	The second line contains N space-separated integers denoting the elements of the array A.	3A 3B
0	Input will be read from the STDIN by the candidate	
R23ECO?	Output Format:	234
2	Print the index of the equilibrium position. If no index is found, print "NOT FOUND"	3BR234
38	Sample Input	
EC03438	5	L. G. G.
	24733	800
38273	Sample Output	4
30	3	365g
	Source Code: CO. Co	k
	Source Code: 34 Pt. 32 Pt. 34	o's
	2)3tC) 28tC) 28tC) 28tC) 28tC) 28tC) 28tC)	3 REC
	Sample Output  3  Source Code: 30 Ph. 32 CO3 A 34 Ph. 32 CO3 A	
	34kg, 103k, 31	- OF
	AND SECOND	6854
	Service of the servic	

```
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 %
```