

## Constraints

- $1 \leq n \leq 2 \times 10^5$
- $1 \leq \text{popularity}[i] \leq n$

## ► Input Format for Custom Testing

## ▼ Sample Case 0

### Sample Input 0

STDIN	Function I
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3	→ popularity[] size n = 3
3	→ popularity = [3, 1, 2]
1	
2	

### Sample Output 0

1

### Explanation 0

$n = 3$

$\text{popularity} = [3, 1, 2]$

Switch 1 and 2 and the items in the array  $[3, 2, 1]$  are reordered in 1 operation. The return value is 1.