

Consecutive Game

Determines whether elements in an array can be re-arranged to form a consecutive list of numbers where each number appears exactly once.

[5, 1, 4, 3, 2] → true

[5, 1, 4, 3, 2, 8]) → false

Input Format

first line consists single integer N(length of array) second line consists N-separated values of array.

Constraints

$0 \leq N \leq 100$

Output Format

output should be 1 for true otherwise 0.

Sample Input 0

```
5
5 1 4 3 2
```

Sample Output 0

```
1
```

Sample Input 1

```
6
5 1 4 3 2 8
```

Sample Output 1

```
0
```