

Palindrome Pair

[Send Feedback](#)

Given 'n' number of words, you need to find if there exist any two words which can be joined to make a palindrome or any word, which itself is a palindrome.

The function should return either true or false. You don't have to print anything.

Input Format :

The first line of the test case contains an integer value denoting 'n'.

The following contains 'n' number of words each separated by a single space.

Output Format :

The first and only line of output contains true if the conditions described in the task are met and false otherwise.

Constraints:

$0 \leq n \leq 10^5$

Time Limit: 1 sec

Sample Input 1 :

```
4
abc def ghi cba
```

Sample Output 1 :

```
true
```

Explanation of Sample Input 1:

"abc" and "cba" forms a palindrome

Sample Input 2 :

```
2
abc def
```

Sample Output 2 :

```
false
```

Explanation of Sample Input 2:

Neither there exists a pair which forms a palindrome, nor any of the words is a palindrome in itself. Hence, the output is 'false.'