

Description

Solution

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Python3

Autocomplete

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## 1460. Make Two Arrays Equal by Reversing Sub-arrays

Easy

468

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Given two integer arrays of equal length `target` and `arr`.

In one step, you can select any **non-empty sub-array** of `arr` and reverse it. You are allowed to make any number of steps.

Return `True` if you can make `arr` equal to `target`, or `False` otherwise.

### Example 1:

**Input:** `target = [1,2,3,4]`, `arr = [2,4,1,3]`

**Output:** `true`

**Explanation:** You can follow the next steps to convert `arr` to `target`:

1- Reverse sub-array `[2,4,1]`, `arr` becomes `[1,4,2,3]`

2- Reverse sub-array `[4,2]`, `arr` becomes `[1,2,4,3]`

3- Reverse sub-array `[4,3]`, `arr` becomes `[1,2,3,4]`

There are multiple ways to convert `arr` to `target`, this is not the only way to do so.

### Example 2:

**Input:** `target = [7]`, `arr = [7]`

**Output:** `true`

**Explanation:** `arr` is equal to `target` without any reverses.

### Example 3:

**Input:** `target = [1,12]`, `arr = [12,1]`

**Output:** `true`

```
1 class Solution:
2     def canBeEqual(self, target: List[int], arr: List[int]) -> bool:
3
4         t_di = collections.Counter(target)
5         a_di = collections.Counter(arr)
6
7         if t_di != a_di :
8             return False
9         else:
10            return True
```

Testcase

Run Code Result

Debugger

Accepted

Runtime: 85 ms

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Your input

```
[1,2,3,4]
[2,4,1,3]
```

Output

```
true
```

Diff

Expected

```
true
```

Problems

Pick One

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Next &gt;

Console

Use Example Testcases

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Run Code

Submit