

1122. Relative Sort Array

Easy 1268 86 Add to List Share

Given two arrays `arr1` and `arr2`, the elements of `arr2` are distinct, and all elements in `arr2` are also in `arr1`.

Sort the elements of `arr1` such that the relative ordering of items in `arr1` are the same as in `arr2`. Elements that don't appear in `arr2` should be placed at the end of `arr1` in **ascending** order.

Example 1:

Input: `arr1 = [2,3,1,3,2,4,6,7,9,2,19]`, `arr2 = [2,1,4,3,9,6]`

Output: `[2,2,2,1,4,3,3,9,6,7,19]`

Constraints:

- `1 <= arr1.length, arr2.length <= 1000`
- `0 <= arr1[i], arr2[i] <= 1000`
- All the elements of `arr2` are **distinct**.
- Each `arr2[i]` is in `arr1`.

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Seen this question in a real interview before?

Yes No

```
1 class Solution:
2     def relativeSortArray(self, arr1: List[int], arr2: List[int])
   -> List[int]:
3
4         res = []
5
6         for i in arr2 :
7             if i in arr1 :
8                 c = arr1.count(i)
9                 x = 1
10                while x <= c :
11                    res.append(i)
12                    arr1.remove(i)
13                    x=x+1
14
15         arr1.sort()
16         res.extend(arr1)
17
18         return (res)
```