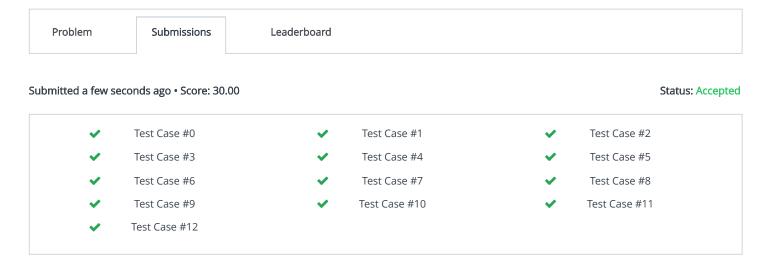
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## hw4-e3) Intersection



## **Submitted Code**

```
Language: Python 3
                                                                                               P Open in editor
 1 def intersection(arr1, arr2):
       if len(arr1) < len(arr2):</pre>
 2
3
           smallarr = arr1
 4
           bigarr = arr2
 5
       else:
 6
           smallarr = arr2
 7
           bigarr = arr1
8
9
       inter = []
       last_element = "not yet initialized"
10
       bigindex = 0
11
12
       for element in smallarr:
13
           if element == last_element:
14
               continue
15
           else:
               last_element = element
16
           while bigindex < len(bigarr)-1 and element != bigarr[bigindex]:</pre>
17
18
               bigindex = bigindex + 1
           if bigindex == len(bigarr)-1:
19
20
               bigindex = 0
21
           elif element == bigarr[bigindex]:
22
               inter.append(element)
23
       return inter
24
25
26 lengths = input()
27 arr1 = input()
28 arr2 = input()
29 arr1 = list(map(int,arr1.split()))
30 arr2 = list(map(int,arr2.split()))
```

```
31

32 output = intersection(arr1, arr2)

33

34 print(*output)

35
```

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