

Solution 1

Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System.Collections.Generic;
4
5 public class Program {
6     // O(n) time | O(1) space - where n is the length of the array
7     public static bool IsValidSubsequence(List<int> array, List<int> sequence) {
8         int seqIdx = 0;
9         foreach (var val in array) {
10             if (seqIdx == sequence.Count) {
11                 break;
12             }
13             if (sequence[seqIdx] == val) {
14                 seqIdx++;
15             }
16         }
17         return seqIdx == sequence.Count;
18     }
19 }
20
```

