

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 arrIdx = 0;
9         int seqIdx = 0;
10    ▼ while (arrIdx < array.Count && seqIdx < sequence.Count) {
11    ▼     if (array[arrIdx] == sequence[seqIdx]) {
12            seqIdx++;
13        }
14        arrIdx++;
15    }
16    return seqIdx == sequence.Count;
17    }
18 }
19
```

