Prompt   Scratchpad   Our Solution(s)   Video Explanation   Run Code

Solution 1   **Solution 2**

```java
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import java.util.*;

class Program {
  // O(n) time | O(1) space - where n is the length of the array
  public static boolean isValidSubsequence(List<Integer> array, List<Integer> sequence) {
    int arrIdx = 0;
    int seqIdx = 0;
    while (arrIdx < array.size() && seqIdx < sequence.size()) {
      if (array.get(arrIdx) == sequence.get(seqIdx)) {
        seqIdx++;
      }
      arrIdx++;
    }
    return seqIdx == sequence.size();
  }
}
```