Solution 1   **Solution 2**

```cpp
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using namespace std;

// O(n) time | O(1) space - where n is the length of the array
bool isValidSubsequence(vector<int> array, vector<int> sequence) {
  int arrIdx = 0;
  int seqIdx = 0;
  while (arrIdx < array.size() && seqIdx < sequence.size()) {
    if (array[arrIdx] == sequence[seqIdx])
      seqIdx++;
    arrIdx++;
  }
  return seqIdx == sequence.size();
}
```