解法一:

1. 複製array A 到新array A2
2. 將A2排序
3. 求A與A2的longest common subsequence (DP)

複雜度:O(n^2)

解法二: (與[homework5.1 Crazy eights puzzle](https://oj.nctu.me/problems/252/) 相近)(DP)

# L[i] := Lengh of Longest Non-decreasing Subsequence between A[1]…A[i]，and end at A[i] (must have A[i]).

# Initialization: L[i] = 1 for i=1 to n

# Optimal substructure:

# L[i] = max { 1 , L[j] + 1 for 1 <= j < i and A[j] <= A[i] }

# The answer is max(L[i])

複雜度:O(n^2)

解法三:

複雜度:O(nlog n)

參考<https://www.felix021.com/blog/read.php?1587>