Dynamic Programming

- 1. For each of the following dynamic programming problems, what would you choose the subproblems to be?
 - (a) Find the longest monotone subsequence of a sequence.
 - (b) Find the edit distance between two strings.
 - (c) Find the longest common subsequence of two sequences.
 - (d) Find the shortest distance between vertices s and t in a weighted acyclic directed graph.
 - (e) The knapsack problem.
 - (f) Find the n^{th} Fibonacci number.