























The General Dynamic Programming Technique



- Applies to a problem that at first seems to require a lot of time (possibly exponential), provided we have:
 - Simple subproblems: the subproblems can be defined in terms of a few variables, such as j, k, l, m, and so on.
 - **Subproblem optimality:** the global optimum value can be defined in terms of optimal subproblems
 - Subproblem overlap: the subproblems are not independent, but instead they overlap (hence, should be constructed bottom-up).

Dynamic Programming

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