Dynamic Programming

Dynamic Programming is an algorithm design technique for optimization problems: often minimizing or maximizing.In Dynamic programming we usually reduce time by increasing the amount of space.We solve the problem by solving sub –problems of increasing size and saving each optimal solution in a table.The table then used for finding the optimal solution to large problems.

Knapsack is the example of Dynamic Programming.longest common subsequence, rod cutting, matrix chain multiplication, longest common subsequence ,optimal binary search trees are example of dynamic Programming.