


🔗 10 Essential DP Patterns







# Dynamic Programming

Start





☐ Show tags





Fibonacci style







<input checked="" type="radio"/> Climbing Stairs	 Solution	Easy
<input type="radio"/> Fibonacci Number	 Solution	Easy
<input type="radio"/> N-th Tribonacci Number	 Solution	Easy
<input type="radio"/> Min Cost Climbing Stairs	 Solution	Easy
<input type="radio"/> House Robber	 Solution	Medium
<input type="radio"/> Delete and Earn	 Solution	Medium

Matrix

<input type="radio"/> Unique Paths	 Solution	Medium
<input type="radio"/> Minimum Path Sum	 Solution	Medium
<input type="radio"/> Unique Paths II	 Solution	Medium
<input type="radio"/> Triangle	 Solution	Medium








<input type="radio"/> Minimum Falling Path Sum	 Solution	Medium
<input type="radio"/> Maximal Square	 Solution	Medium

## On Strings

<input checked="" type="radio"/> Longest Palindromic Substring	 Solution	Medium
<input type="radio"/> Word Break	 Solution	Medium
<input type="radio"/> Longest Palindromic Subsequence	 Solution	Medium
<input type="radio"/> Edit Distance	 Solution	Medium
<input type="radio"/> Minimum ASCII Delete Sum for Two Strings	 Solution	Medium
<input type="radio"/> Distinct Subsequences	 Solution	Hard





## Longest Increasing Subsequence





<input type="radio"/> Longest Increasing Subsequence	 Solution	Medium
<input type="radio"/> Number of Longest Increasing Subsequence	 Solution	Medium
<input type="radio"/> Maximum Length of Pair Chain	 Solution	Medium
<input type="radio"/> Longest Arithmetic Subsequence of Given Difference	 Solution	Medium
<input type="radio"/> Longest Arithmetic Subsequence	 Solution	Medium
<input type="radio"/> Russian Doll Envelopes	 Solution	Hard
<input type="radio"/> Find the Longest Valid Obstacle Course at Each Position	 Solution	Hard

## Longest Common Subsequence

 Solution





<input type="radio"/> Longest Common Subsequence		Medium
<input type="radio"/> Uncrossed Lines	 Solution	Medium
<input type="radio"/> Minimum Insertion Steps to Make a String Palindrome	 Solution	Hard

## Best Time to Buy &amp; Sell Stock / State Machine





<input type="radio"/> Best Time to Buy and Sell Stock with Cooldown	 Solution	Medium
<input type="radio"/> Best Time to Buy and Sell Stock with Transaction Fee	 Solution	Medium
<input type="radio"/> Best Time to Buy and Sell Stock III	 Solution	Hard
<input type="radio"/> Best Time to Buy and Sell Stock IV	 Solution	Hard









## On Trees

<input type="radio"/> Unique Binary Search Trees	 Solution	Medium
<input type="radio"/> Unique Binary Search Trees II	 Solution	Medium
<input type="radio"/> House Robber III	 Solution	Medium
<input type="radio"/> Binary Tree Maximum Path Sum	 Solution	Hard








## Knapsack

<input type="radio"/> Perfect Squares	 Solution	Medium
<input type="radio"/> Coin Change II	 Solution	Medium
<input type="radio"/> Combination Sum IV	 Solution	Medium
<input type="radio"/> Ones and Zeroes	 Solution	Medium

## General 1D

<input type="radio"/> Solving Questions With Brainpower	 Solution	Medium
<input type="radio"/> Coin Change	 Solution	Medium
<input type="radio"/> Count Ways To Build Good Strings	 Solution	Medium
<input type="radio"/> Decode Ways	 Solution	Medium
<input type="radio"/> Minimum Cost For Tickets	 Solution	Medium
<input type="radio"/> Domino and Tromino Tiling	 Solution	Medium



 General Multidimensional		
<input type="radio"/> Paint House 	 Solution	Medium
<input type="radio"/> Paint House II 	 Solution	Hard
<input type="radio"/> Count Vowels Permutation	 Solution	Hard
<input type="radio"/> Maximum Value of K Coins From Piles	 Solution	Hard

