

# Dynamic Programming Problems - LeetCode Collection

## Beginner Level (1D DP Basics)

- Fibonacci Number: <https://leetcode.com/problems/fibonacci-number/>
- Climbing Stairs: <https://leetcode.com/problems/climbing-stairs/>
- Min Cost Climbing Stairs: <https://leetcode.com/problems/min-cost-climbing-stairs/>
- House Robber: <https://leetcode.com/problems/house-robber/>
- Maximum Subarray: <https://leetcode.com/problems/maximum-subarray/>
- N-th Tribonacci Number: <https://leetcode.com/problems/n-th-tribonacci-number/>

## Intermediate Level (2D DP & Patterns)

- Partition Equal Subset Sum: <https://leetcode.com/problems/partition-equal-subset-sum/>
- Target Sum: <https://leetcode.com/problems/target-sum/>
- Coin Change: <https://leetcode.com/problems/coin-change/>
- Coin Change II: <https://leetcode.com/problems/coin-change-ii/>
- Longest Common Subsequence: <https://leetcode.com/problems/longest-common-subsequence/>
- Longest Palindromic Subsequence: <https://leetcode.com/problems/longest-palindromic-subsequence/>
- Edit Distance: <https://leetcode.com/problems/edit-distance/>
- Distinct Subsequences: <https://leetcode.com/problems/distinct-subsequences/>
- Longest Palindromic Substring: <https://leetcode.com/problems/longest-palindromic-substring/>
- Unique Paths: <https://leetcode.com/problems/unique-paths/>
- Unique Paths II: <https://leetcode.com/problems/unique-paths-ii/>
- Minimum Path Sum: <https://leetcode.com/problems/minimum-path-sum/>
- Dungeon Game: <https://leetcode.com/problems/dungeon-game/>

## Advanced Level (Harder Concepts & Optimizations)

- Burst Balloons: <https://leetcode.com/problems/burst-balloons/>
- Palindrome Partitioning II: <https://leetcode.com/problems/palindrome-partitioning-ii/>

- Word Break: <https://leetcode.com/problems/word-break/>
- Word Break II: <https://leetcode.com/problems/word-break-ii/>
- Maximal Rectangle: <https://leetcode.com/problems/maximal-rectangle/>
- Number of Longest Increasing Subsequence:  
<https://leetcode.com/problems/number-of-longest-increasing-subsequence/>
- Longest Increasing Path in a Matrix:  
<https://leetcode.com/problems/longest-increasing-path-in-a-matrix/>
- Wildcard Matching: <https://leetcode.com/problems/wildcard-matching/>
- Scramble String: <https://leetcode.com/problems/scramble-string/>
- Interleaving String: <https://leetcode.com/problems/interleaving-string/>

### **Advanced Optimization Techniques**

- Egg Drop With 2 Eggs and N Floors:  
<https://leetcode.com/problems/egg-drop-with-2-eggs-and-n-floors/>