Fibonacci Sequence
Fibonacci (IB)
Tribonacci
Valid Binary Strings
Arrange Buildings
Count Encodings (IB)
a+b+c+ Subsequences
Tiling - 2 X 1 Tiles
Tiling - M X 1 Tiles
Tiling - Trominos
Friends Pairing - II
Count Distinct Subsequences
Ugly Number
Super Ugly Number
Count Derangements
Assembly Line Scheduling
Weighted Job Scheduling
Climbing Stairs
Climb Stairs - I (IB)
Climb Stairs - II
Climb Stairs - III
Climb Stairs - IV
Jump Game - I (IB)
Jump Game - II (IB)
Jump Game
Jump Game - III
Jump Game - All Paths

Min Steps to 1
Frog Jump
Min Taps to Water
Min Lights to Activate
2 Keys Keyboard
4 Keys Keyboard
Pascal Triangle
Pascal's Triangle - I (IB)
Pascal's Triangle - II (IB)
Pascal's Triangle
Binomial Coeff (nCr)
Permutation Coeff (nPr)
Water Overflow
Water Overflow
Non - Adjacent Ele
House Robber (IB)
House Robber - Circular
House Robber - 2 Rows
Paint House - I
Paint House - II
Paint Fence - I
Paint Fence - II
Knapsack Problem
Fractional Knapsack (IB)
0 1 Knapsack (IB)

01 Knapsack - All Paths
Unbounded Knapsack
Rod Cutting - Max Sum
Min Cost for Tickets
Min Cost to Fill Bag
Flip Array
Coin Change Problem
Minimum Coin Change
Coin Change - Combinations (IB)
Coin Change - Permutations
Coin Change Analysis
Buy & Sell Stock
1. One Transaction (IB)
2. Infinite Transactions (IB)
3. Transaction Fees
4. Cooldown
5. Two Transactions (IB)
6. K Transactions (IB)
Target Sum Subset
Check Target Sum Subset
Check Target Sum Subset
Count Target Sum Subset
Print All TSS - Recursion
Print All TSS - DP
Equal Sum Partition

Target Diff Partition
Equal Average Partition
K Partitions - R&B
K Partitions - DP
K Equal Sum Partition
Bell Numbers
Tug of War - Equal Size
Tug of War - Diff Size
DP on Grid
Min Path Sum - Maze (IB)
Min Path Sum - Maze
Print All Min Sum Paths
Min Path Sum - Triangle (IB)
Goldmine
Goldmine - All Paths
Unique Paths - I (IB)
Unique Paths - II (IB)
Knight's Probability Chess
Keypad Problem - DP
Dungeon Game (IB)
Cherry Pickup - I
Cherry Pickup - II
Maximal Square (IB)
Out of Boundary Paths
Largest Bordered Square
Knight Dialer
LIS Problems

Longest Increasing Subset (IB)
Longest Increasing Subset
LIS - O(N^2) DP
LIS - O(N^2) DP - Print All
LIS - O(NLogN) D&C - Concept
LIS - O(NLogN) D&C - Code
LIS - Count All
LIS Variations
Longest Increasing Subarray
Max Sum Increasing Subset
Longest Bitonic Subset (IB)
Max Sum Bitonic Subset
Longest Bitonic Subarray
Non Overlap Bridges
Russian Doll Envelopes
Perfect Squares
Count AP Subarray
Count AP Subsets
Longest AP Subarray
Longest AP Subset (IB)
Longest Wiggle Subset
Highway Billboard
Box Stacking Problem
Largest Divisible Subset
LCIS (LCS + LIS)
LCS Problems
Longest Common Subset

Longest Common Subset (IB)
LCS - Concept
LCS - Code
Print Any LCS
Print All LCS
Print All LCS
Longest Common Substring
Increase LCS by 1
LCS of 3 Strings
Uncrossed Lines
Longest Duplicate Subset
Longest Duplicate Subset (IB)
Longest Duplicate Substring - I
Longest Duplicate Substring - II
Palindromic Subsets
Longest Palindromic Subset (IB)
Count Palindromic Subset - I
Count Palindromic Subset - II
Min Deletions for Palindrome
Min Insertions for Palindrome (IB)
K Palindrome
Palindromic Substrings
Count Palindromic Substrings
Using Dynamic Programming
Using Expand Around Center

Using Manacher's Algorithm
Print All Palindromic Substrings
Distinct Palindromic Substrings
Using Dynamic Programming
Using Manacher's Algorithm
Longest Palindromic Substring (IB)
Using Dynamic Programming
Using Expand Around Center
Using Manacher's Algorithm
Expression Matching
Wildcard Matching (IB)
Regular Expression Matching (IB)
Edit Distance (IB)
Edit Distance Variations
Min Cost for Identical Strings
Min Delete Operations
Min ASCII Delete Sum
Interleaving String (IB)
Distinct Transformations (IB)
Min Insertions and Deletions
Shortest Common Superset
Shortest Common Superset - I
Shortest Common Superset - II
Shortest Uncommon Subset
Catalan Numbers

Nth Catalan Number
Nth Catalan - 3 Soln
Applications
Unique BSTs - I (IB)
Unique BSTs - II (IB)
Count Valid Parantheses
Count Mountain Ranges
Non Intersecting Chords
Count Handshakes
Count Triangulations
Min Score Triangluation
Kadane's Algorithm
Max Sum Subarray (IB)
Max Sum Circular Subarray
K Concatenation
Max Product Subarray (IB)
Maximum Sum Submatrix
Max Sum Subarray >= K Size
Max Diff of 0 & 1
Max Sum 2 Non-Overlap Subarrays
Max Sum 3 Non-Overlap Subarrays
Max Sum K Non-Overlap Subarrays
Optimal Game Strategy
Optimal Game Strategy - I
Optimal Game Strategy - II
Optimal Game Strategy - III
Wine Selling Problem

Egg Drop - I
Egg Drop - II (IB)
Super Egg Drop
MCM Problems
Palindromic Partitioning
Palindrome Partitioning - I (IB)
Palindrome Partitioning - II (IB)
Palindrome Partitioning - III
Palindrome Partitioning - IV
Matrix Chain Multiplication
Matrix Chain Multiplication
MCM - Memoization
MCM - Tabulation
Printing Brackets
MCM Variations
Boolean Parenthesization (IB)
Optimal BST
Burst Balloons
Scramble String (IB)
Scramble String - I
Rectangle Cutting
Min Cost to Merge Stones (IB)
Min Cost to Cut Stick (IB)
Min & Max Values with * +

Word Break
Check Word Break
Concatenated Words
Word Break - Backtracking
Word Break - DP (IB)
Minimum Word Break
Text Justification - Greedy (IB)
Text Justification - DP
Digit DP
Digit DP - Intro
Digit DP - Tight Constraint
Digit DP - Leading Constraint
Nos in Range with Sum Digits
Count Nos from Given Set (IB)
Digit Sum
Count 1s in Nos <= N
Nos with No Equal Digits
Nos with No 1s Binary
N Digit Stepping Nos
DP With Bitmask
Bitmasking
DP with Bitmasking
DP with Bitmasking
Travelling Salesman
TSP - Backtracking
TSP - DP - I

TSP - DP
Smallest Sufficient Team
Max Students in Exam
Ways to wear Diff Hats
Shortest Common Superstring (IB)
Sum Over Subset (SOS)
Sum Over Subset (SOS)
https://cses.fi/problemset/task/1654
DP On Graphs
https://cses.fi/problemset/task/1681
https://cses.fi/problemset/task/1750
https://cses.fi/problemset/task/1751
https://cses.fi/problemset/task/1202/
DP Faang
AtCoder DP Set
Largest Plus Sign
Count Nos with Unique Digits
Can I Win
Count Repititions
Create Max No
Freedom Trail
Integer Break
K Inverse Pairs Array
Largest Sum of Average
Min Swaps Increasing Sets
New 21 Game
No of Music Playlists

Ones And Zeros
Profitable Schemes
Pizza 3N Slices
Race Car
Remove Boxes
Strange Printer
Student Attendance Record
Super Washing Machines
Video Stitching
Tallest Billboard
Unique Wraparound Subtring
Count Corner Rectangles
Short Encoding of Words