CODESHOWS

MODULE - 9

TOPIC - DP

CODESHOWS
LET'S CODE TOGETHER

Tutorials

- YouTube Playlist
- Topcoder Tutorials
- Hackerearth Tutorials
- Codechef DP Tutorials

Tutorials

- Digit DP Tutorials
- DP on Trees
- DP with Bitmasking(Hackerearth)
- DP with Bitmasking(Codeforces)

Problems To Practice ...

Easy Problems

1. Coin change-making problem
2. 0-1 Knapsack Problem
3. Flip array
4. Longest Common Subsequence
5. Longest Palindromic Subsequence

Easy Problems

1. Shortest Common Superstring
2. Min Sum Path in Matrix
3. Increasing Path in Matrix
4. Subset Sum Problem
5. Unique Paths in a Grid

Medium Problems

1. Repeating Subsequences
2. Interleaving Strings
3. Word Break
4. Max Sum Path in Binary Tree
5. Maximal Square

Medium Problems

1. Decode Ways
2. Unique Binary Search Trees
3. Palindrome Partitioning
4. Longest Arithmetic Subsequence
5. Max Product Subarray

Hard Problems

1. Edit Distance
2. Distinct Subsequences
3. Scramble String
4. Regular Expression Matching
5. Wildcard Matching

Hard Problems

1. Word Break II
2. Concatenated Words
3. Smallest Sequence with given Primes
4. Maximal Rectangle
5. Decode Ways II

Hard Problems

1. Unique Binary Search Trees II
2. Palindrome Partitioning II
3. Palindrome Partitioning III
4. Palindrome Partitioning IV
5. Ways To Color 3 x N Grid

Hard Problems

1. Shortest Common Supersequence
2. Best Time to Buy and Sell Stock IV
3. Evaluate Expression To True
4. Minimum Cost to Cut a Stick
5. Tiling a Rectangle with the Fewest Squares

Extra Resource For Practise

1. Educational DP Contest (Atcoder)

KEEP
CALM
AND
KEEP
CODING

BEST WISHES FROM TEAM CODESHOWS