Master Recursion And Backtracking

- Recursion
 - Function Caling Function Itself
 - Bigger Problem Solved by Solving Smaller Subproblems
- Learn 3 Steps Like PMI
 - Base Case (Solve for smallest subproblem)
 - Induction Hypothesis (Assume for n-1)
 - Induction Step (Solve for nth step)
- Basic Problems
 - Factorial
 - Fibonacci
 - Nth Term Of GP
 - https://www.codingninias.com/codestudio/problems/nth-term-of-gp 797999
 - Tower Of Hanoi
 - https://www.codingninjas.com/codestudio/problems/tower-of-hanoi-981323
- Problems Of Recursion On Arrays
 - Merge Sort
 - https://www.codingninjas.com/codestudio/problems/merge-sort 920442
 - Quick Sort
 - https://www.codingninjas.com/codestudio/problems/quick-sort_983625
- Problems Of Recursion On Strings
 - Remove Consecutive Duplicates
 - https://www.codingninjas.com/codestudio/problems/remove-consecutiveduplicates 893195
 - Convert String To Integer
 - https://www.codingninjas.com/codestudio/problems/atoi_981270
- Recursion On Linked List
 - Reverse Linked List
 - https://www.codingninjas.com/codestudio/problems/reverse-linked-list_920513
 - Merge Sort Linked List
 - https://www.codingninjas.com/codestudio/problems/merge-sort-linked-list-920473
- Trees, Binary Trees, BST
- Backtracking Problems
 - Exploring All The Paths

- Valid Sudoku?
 - https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118522/offering/1380919
- N Queens
 - https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118522/offering/1380923
- Paths In Maze
 - https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118522/offering/1380921
- Recursion Hard Problems -Interview Based
 - Print Permutations
 - https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118522/offering/1380929
 - Subsequences Of String
 - https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118522/offering/1380932
 - Combination Sum
 - https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118522/offering/1380933
 - Return Subsets Sum To K
 - https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118522/offering/1380917
- To Solve More Problems
 - Recursion And Backtracking List
 - https://www.codingninjas.com/codestudio/problem-lists/top-recursion-and-backtracking-interview-questions
 - Guided Path For Data Structures And Algorithms
 - https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms