


# Week 11-12

## **Backtracking-II:**

### **Resources:**

- <https://www.hackerearth.com/practice/basic-programming/recursion/recursion-and-backtracking/tutorial/>
- <https://www.interviewbit.com/courses/programming/topics/backtracking/>
- <https://www.geeksforgeeks.org/backtracking-introduction/>
-  Backtracking Algorithm | Introduction To Backtracking | Data ...
- <https://www.youtube.com/playlist?list=PLauivoElc3gjpEVTdncOKYN8fAiMm9a5g>
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### **Problems:**

- <https://leetcode.com/problems/beautiful-arrangement/>
- <https://leetcode.com/problems/combination-sum/>
- <https://leetcode.com/problems/matchsticks-to-square/>
- <https://leetcode.com/problems/sudoku-solver/>
- <https://leetcode.com/problems/partition-to-k-equal-sum-subsets/>
- <https://leetcode.com/problems/letter-case-permutation/>
- <https://practice.geeksforgeeks.org/problems/rat-in-a-maze-problem/1>
- <https://leetcode.com/problems/all-paths-from-source-to-target/description/>
- <https://leetcode.com/problems/letter-combinations-of-a-phone-number/description/>
- <https://leetcode.com/problems/n-queens/>
- <https://leetcode.com/problems/word-search/>
- <https://leetcode.com/problems/subsets/>

- <https://practice.geeksforgeeks.org/problems/word-boggle4143/1>

## **Trees-I -**

### **Resources-**

- <https://www.youtube.com/playlist?list=PL-pUjcDnciX3Z5AEE8HHRrcfj-987la94>

### **Problems-**

- <https://leetcode.com/problems/maximum-depth-of-binary-tree/>
- <https://leetcode.com/problems/same-tree/>
- <https://binarysearch.com/problems/Largest-Root-to-Leaf-Sum>
- <https://binarysearch.com/problems/Sibling-Tree-Value>
- <https://binarysearch.com/problems/Tree-From-PreInorder-Traversals>
- <https://practice.geeksforgeeks.org/problems/sum-of-the-longest-blodline-of-a-tree/1/>
- <https://binarysearch.com/problems/Elephant-Tree>
- <https://leetcode.com/problems/invert-binary-tree/description/>
- <https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/description/>
- <https://leetcode.com/problems/binary-tree-inorder-traversal/>
- <https://leetcode.com/problems/binary-tree-right-side-view/>
- <https://leetcode.com/problems/diameter-of-binary-tree/>
- <https://leetcode.com/problems/binary-tree-maximum-path-sum/>
- <https://leetcode.com/problems/binary-tree-tilt/>
- <https://leetcode.com/problems/balanced-binary-tree/>
- <https://leetcode.com/problems/find-largest-value-in-each-tree-row/>