

Final Review

Topics

- ✓ Dynamic Programming
 - ✓ Text Segmentation
 - ✓ Longest Increasing Subsequence
 - ✓ Edit distance
 - ✓ Leetcode: 53, 97, 647
- ✓ Backtracking
 - ✓ N-Queens (slides), Leetcode 51
 - ✓ Sudoku
 - ✓ Programming Challenge Problem 1
 - ✓ Leetcode: 51, 1593
- ✓ Graph Traversal
 - ✓ BFS, shortest path
 - ✓ DFS, four/two classes of edges
 - ✓ Topological sorting
 - ✓ Finding strong components (Kosaraju's)
 - ✓ Leetcode: 1129
- ☐ Min span tree & single source shortest path
 - ✓ Know algorithms
 - ✓ Time complexity
 - ☐ Recursive algo SSSP on a DAG
 - ☐ Single source shortest → single source longest