Top-20 Training Program
(Graph Problems-II)

Apply the solution building strategies discussed in class to solve following problems.

Group1: (Unweighted) Shortest Path problems

Shortest Path in Undirected Graph: https://www.lintcode.com/problem/shortest-path-in-undirected-graph/description
Knight Shortest Path: https://leetcode.com/problems/minimum-knight-moves/
Word Ladder: https://leetcode.com/problems/word-ladder/
Word Ladder-II: https://leetcode.com/problems/word-ladder-ii/
Minimum Genetic Mutation: https://leetcode.com/problems/minimum-genetic-mutation/
Shortest Path in Binary Matrix: https://leetcode.com/problems/shortest-path-in-binary-matrix/
Shortest Path with Alternating Colors: https://leetcode.com/problems/shortest-path-with-alternating-colors/
Shortest Path Visiting All Nodes: https://leetcode.com/problems/shortest-path-visiting-all-nodes/
Shortest Path by Eliminating Obstacles: https://leetcode.com/problems/shortest-path-in-a-grid-with-obstacles-elimination/

Group2: (Weighted) Shortest Path/Flow problems

Network Delay Time: https://leetcode.com/problems/network-delay-time/
Minimum Risk Path: https://www.lintcode.com/problem/minimum-risk-path/description
Tourist Guide:
https://onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&page=show_problem&problem=1040

Group3: Spanning Tree problems

Minimum Spanning Tree: https://www.lintcode.com/problem/minimum-spanning-tree/