Top-20 Training Program
(Dynamic Programming Problems)

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

Group1: Counting 1-D

We have an n×2 grid to be tiled and we also have with us a supply of rectangular tiles of size 2×1. Each tile can be rotated and laid horizontally or vertically. How many ways can we tile the n×2 grid using these tiles?

https://leetcode.com/problems/climbing-stairs/description/
https://leetcode.com/problems/unique-binary-search-trees/description/

Group2: Counting 2-D

https://leetcode.com/problems/unique-paths/description/
https://leetcode.com/problems/unique-paths-ii/description/

Group3: Path Sum

https://leetcode.com/problems/minimum-path-sum/description/
https://leetcode.com/problems/triangle/description/

Group4: Increasing Chains

https://leetcode.com/problems/longest-increasing-subsequence/description/
https://leetcode.com/problems/maximum-length-of-pair-chain/description/