

#### **Homework 4: Due 11:59pm Thursday, April 17, 2024**

(Problem 5 is required for graduate students. Undergraduate students who solves Problem 5 can earn at most 3 points extra credit.)

(Please submit your code to Gradescope even your code does not pass the test on Leetcode. )

**Solve the following problems on Leetcode (<https://www.leetcode.com/>):**

**Problem 1:** (25 points)

746. Min Cost Climbing Stairs (<https://leetcode.com/problems/min-cost-climbing-stairs/>)

**Problem 2:** (25 points)

300. Longest Increasing Subsequence

(<https://leetcode.com/problems/longest-increasing-subsequence/>)

**Problem 3:** (25 points)

2707. Extra Characters in a String (<https://leetcode.com/problems/extra-characters-in-a-string/>)

**Problem 4:** (25 points)

64. Minimum Path Sum (<https://leetcode.com/problems/minimum-path-sum/description/>)

**Problem 5\*:** (25 points)

494. Target Sum (<https://leetcode.com/problems/target-sum/>)