

Homework 3: Due 11:59pm Thursday, April 13, 2023

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

167. Two Sum II - Input Array Is Sorted

(<https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/>)

Problem 2: (25 points)

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

Problem 3: (25 points)

300. Longest Increasing Subsequence

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

Problem 4: (25 points)

1143. Longest Common Subsequence

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

Problem 5: (25 points)

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