

Homework 2: Due 11:59pm Tuesday, March 4, 2025

(Problem 6 is required for graduate students. Undergraduate students who solves Problem 6 can earn at most 3 points extra credit.)

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

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

Problem 1: (20 points)

605. Can Place Flowers (<https://leetcode.com/problems/can-place-flowers/>)

Problem 2: (20 points)

1827. Minimum Operations to Make the Array Increasing

(<https://leetcode.com/problems/minimum-operations-to-make-the-array-increasing/>)

Problem 3: (20 points)

2144. Minimum Cost of Buying Candies With Discount

(<https://leetcode.com/problems/minimum-cost-of-buying-candies-with-discount/>)

Problem 4: (20 points)

179. Largest Number (<https://leetcode.com/problems/largest-number/>)

Problem 5: (20 points)

1091. Shortest Path in Binary Matrix

(<https://leetcode.com/problems/shortest-path-in-binary-matrix/>)

Problem 6*: (25 points for graduate students, 3 extra points for undergraduate students)

1584. Min Cost to Connect All Points

(<https://leetcode.com/problems/min-cost-to-connect-all-points/>)