**Homework 2: Due 11:59pm Tuesday, March 7, 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)
1827. Minimum Operations to Make the Array Increasing
(https://leetcode.com/problems/minimum-operations-to-make-the-array-increasing/)

**Problem 2**: (25 points)
2144. Minimum Cost of Buying Candies With Discount
(https://leetcode.com/problems/minimum-cost-of-buying-candies-with-discount/)

**Problem 3**: (25 points)
169. Majority Element (https://leetcode.com/problems/majority-element/)

**Problem 4**: (25 points)
888. Fair Candy Swap (https://leetcode.com/problems/fair-candy-swap/)

**Problem 5**: (25 points)
1584. Min Cost to Connect All Points
(https://leetcode.com/problems/min-cost-to-connect-all-points/)