CSC3100 Data Structures Spring 2022

Assignment 1

Due: 11:59pm, Mar 4, 2022

1. Resource

All the problems can be found from the textbook online:
https://edutechlearners.com/download/Introduction_to_algorithms-3rd%20Edition.pdf

2. Problems

Problem 1 (10 points): CLRS Problem 2.3-1 (page 37, 3rd edition)
Problem 2 (20 points): CLRS Problem 2-4 (page 41-42, 3rd edition)
Problem 3 (10 points): CLRS Problem 3.1-1 (page 52, 3rd edition)
Problem 4 (10 points): CLRS Problem 3.1-2 (page 52, 3rd edition)
Problem 5 (10 points): CLRS Problem 3.1-6 (page 53, 3rd edition)
Problem 6 (10 points): CLRS Problem 4.3-6 (page 87, 3rd edition)
Problem 7 (20 points): CLRS Problem 4.5-1 (page 96, 3rd edition)
Problem 8 (10 points): CLRS Problem 4.5-2 (page 97, 3rd edition)

3. Submission

Please upload your soft copy to Blackboard.

Note: If you have any question for this assignment, please contact TA (Weng Ziteng, 117010283@link.cuhk.edu.cn)