CSC3100 Data Structures 2022 Fall

Assignment 1

Due: 11:59pm, Oct 7th, 2022

1. Resource

All the problems can be found from the textbook online:
https://sd.blackball.lv/library/Introduction_to_Algor ithms_Third_Edition_(2009).pdf

2. Problems

- Problem 1 (10 points): CLRS Problem 2.3-4 (page 39, 3rd edition)
- Problem 2 (20 points): CLRS Problem 2-4 (page 41-42, 3rd edition)
- Problem 3 (10 points): CLRS Problem 3.1-5 (page 53, 3rd edition)
- Problem 4 (10 points): CLRS Problem 3-4.b (page 62, 3rd edition)
- Problem 5 (10 points): CLRS Problem 3-4.c (page 62, 3rd edition)
- Problem 6 (10 points): CLRS Problem 4.3-3 (page 87, 3rd edition)
- Problem 7 (10 points): CLRS Problem 4.5-3 (page 97, 3rd edition)
- Problem 8 (20 points): CLRS Problem 4-1 (page 107, 3rd edition)

3. Submission

Please upload the softcopy to Blackboard

If you have any questions, please contact the leading TA (Yingli ZHOU: yinglizhou@link.cuhk.edu.cn)