

Analysis of Algorithms
CS 375, Spring 2019

Homework 15

Due **AT THE BEGINNING OF CLASS** Wednesday, April 24

- From your textbook (CLRS), please read Chapter 25.2, Chapter 16 up to (and including) Section 16.2, and Chapter 23.
- When presenting an algorithm, describe it in English clearly, concisely, and unambiguously; pseudocode often helps clarify a presentation, but a pseudocode-only presentation is not acceptable. In general, unclear presentations may not receive full credit.
- *A general note:* When writing up your homework, please write neatly and **explain your answers clearly**, giving all details needed to make your answers easy to understand. Graders may not award credit to incomplete or illegible solutions. Clear communication *is* the point, on every assignment.

Exercises

1. CLRS exercise 25.2-1 (pg. 699).
2. Please read CLRS exercise 16-1 (pg. 446–447), and then do only parts 16-1.c (explain what makes your answer correct, as usual) and 16-1.d (explain your algorithm and its complexity bound, as usual).