

CS 624: Analysis of Algorithms

Assignment 7

Due: Monday, March 26, 2018

1. Exercise 22.2-2 (page 601).
2. Exercise 22.2-6 (page 602).
3. Exercise 22.2-7 (page 602).
4. Exercise 22.3-2 (page 610).
5. Exercise 22.3-8 (page 611). The notation $u.d$ in that problem refers to the “discovery time” or (as it is called in my notes) the “start time” for vertex u in the depth-first walk.
6. Exercise 22.3-9 (page 612). (And here, $u.f$ is the “finish time” for node u .)
7. Exercise 22.4-1 (page 614).
8. Exercise 22.4-2 (page 614).