CS 758/858 Homework 17: Shortest Paths

for Thu Nov 5 2026

These are some suggestions to help you prepare for quiz 16. When asked to give an algorithm, don't forget to prove that your solution computes the desired output.

1. Exercise 22.1–4 in CLRS.
2. Exercise 22.1–6 in CLRS.
3. Exercise 22.2–3 in CLRS. It might be helpful to read the discussion of PERT and critical path analysis starting at the bottom of page 617.
4. Exercise 22.3–5 in CLRS.