

**TA Office Hours:** (still a little tentative)

- Tianle Ma: Tuesdays 2–4pm.
- Michael Wehar: Wednesdays 10–11am, 1 more hour TBA.
- Tao Wei: Wednesdays after class (1–2:45pm)

My hours remain Mondays 1–3pm, Thursdays 1–2:30pm. Next week, however, I am away Thu–Fri.

**Reading:** Next week’s lectures are still in sections 1.4–1.6, but please glance ahead to section 1.7. Section 1.8 is FYI for the time being—I will pick-and-choose from it.

(1) Rosen, page 35, 8(c,d). For each one, assign letters to the atomic propositions, then write the compound one given in the exercise symbolically, then use deMorgan to negate, and translate the negation back into English. (6+6 = 12 pts.)

(2) Rosen, page 35, 10(b,d). You must not only give the full truth table, but also give some short-essay-answer interpretation of *why* the implication follows in a “material” sense, as if you could try to prove it without the table—a bit less formal than what the text asks in problem 12. ((6 + 3) × 2 = 18 pts.)

(3) Rosen, page 35, exercises 16, 20, 22, 24. Note that two pairs go together. (24 pts. total)

(4) Show that NOR is “functionally complete,” by using it to simulate AND and NOT. (18 pts. total, for 72 on the set)