Homework 4

- *These problems are only tentative until this disclaimer is removed.*
- Due 11:59PM on February 27.
- Please be aware of appendix H.5 (in the syllabus) regarding homework policies.
- Many problems can be solved by "identifying the right subproblems" or "changing the input", which may be counterintuitive.
- Before submitting, we encourage you to ask yourself, *Is this really the simplest way to solve the problem? Is this really the clearest way to explain the solution?*
- There are also multiple choice questions on Gradescope.
- Friendly reminder: reductions require a proof of correctness that typically involve an "if and only if (iff)".

1. Exercise 8.1.

2. Exercise 9.8.

3. Exercise 9.9.