

## Homework 4

- 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 [8.2](#).
2. Exercise [9.9](#).
3. Exercise [10.3](#)