

Homework 1

- Due 11:59PM on January 30.
- 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.
- Unlike last week, we are also expecting proofs of correctness for these problems (which is the default).

1. Exercise [3.3](#).
2. Exercise [3.6](#)
3. Exercise [4.3](#).