

### **Homework 3**

- Due 11:59PM on February 13.
- 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.

1. Exercise [6.5](#).
2. Exercise [7.1](#) problems [3–7](#).
3. Exercise [7.3](#).
4. (Optional challenge / for fun) [Exercise 23](#) (Kaniel the Dane’s puzzle) in Chapter 5 of [\[Eri19\]](#).