Outline for November 1, 2021

**Reading:** §14

**Assignments:** Homework 3, due November 8, 2021

1. Review Tower of Hanoi problem for recursion [hanoi.py]

2. Pattern matching
   (a) Regular expressions
   (b) Atoms: letters, digits
   (c) Match any character except newline: .
   (d) Match any of a set of characters: [0123456789], [^0123456789], [0-9]
   (e) Repetition: *, +, {m, n}; greedy matching; put ? after and they match as few characters as possible
   (f) Match start, end of string: ^, $; $ matches end of line, also
   (g) Grouping: (),
   (h) Escape metacharacters: \