Jan 29: Agenda

- Recap:
  - We're not aiming to build 'one-off' solutions: separation of problem formulation from algorithm.
  - PEAS classification.
- Graph search: DFS, BFS, UCS algorithms
  - Sections (3.1–3.3) connect *graphs* to *problems*.
    - The key is problem formulation and what is needed to have a search problem.
    - What are we assuming we know?
    - What are we assuming the agent knows/will know?
    - Also implicit *vs* explicit graphs
  - What is $f(\cdot)$? What is $g(\cdot)$?
  - How is this different from graph algorithms in earlier classes?
  - Look at Fig. 3.7 (pg. 91) vs. Fig. 3.9 (pg. 95)

    (1) depth-first search;
    (2) breadth-first search;
    (3) uniform-cost search.