The state transition machine

- For each type, $\mathrm{nextSteps} :: \mathrm{State} \to [\mathrm{State}]$

- $\mathrm{isFinal} :: \mathrm{State} \to \mathrm{Bool}$ tells us when we are done

- "two-level" Dijkstra's algorithm:
    1. Which type should I be working on right now?
    2. Which state should I call $\mathrm{nextSteps}$ on?