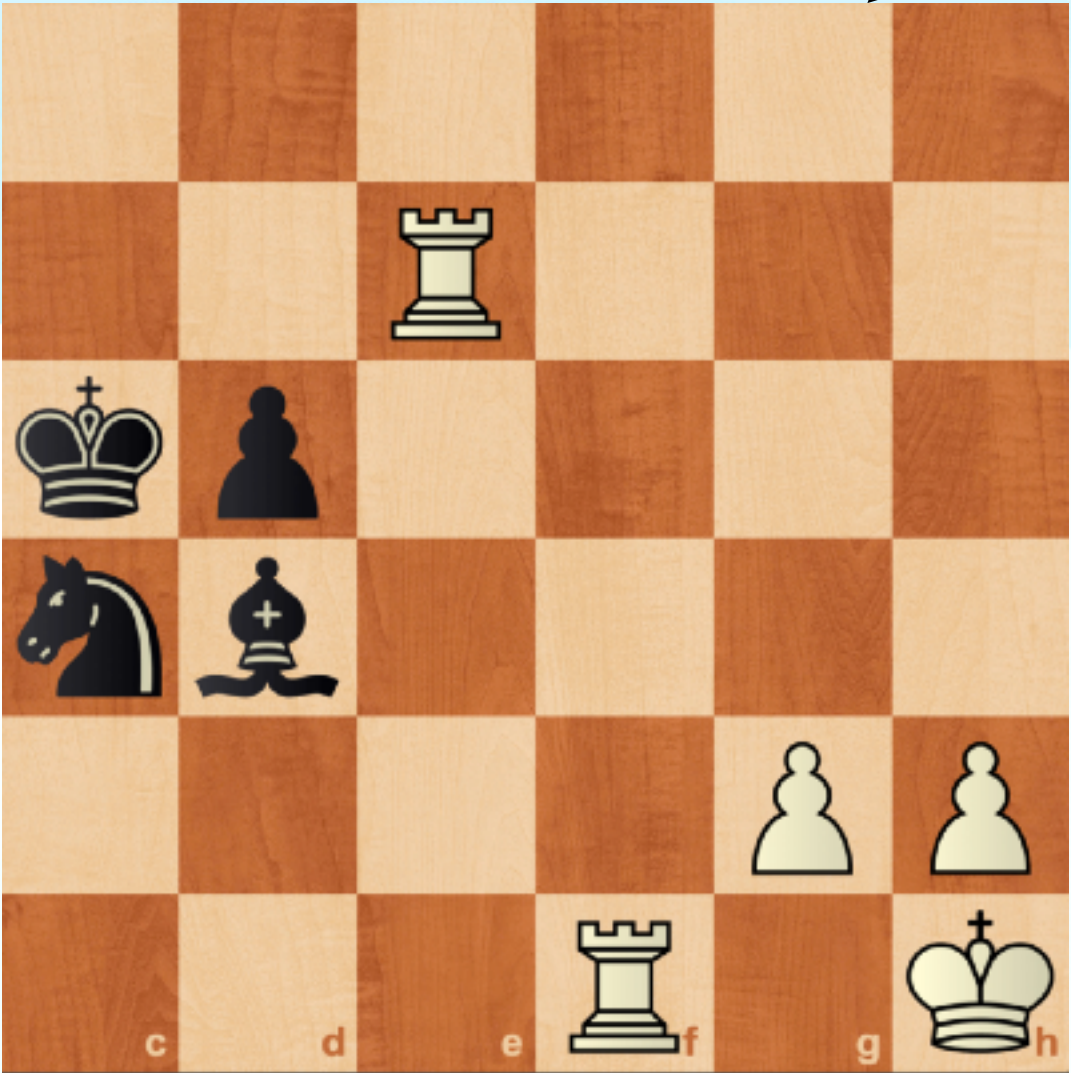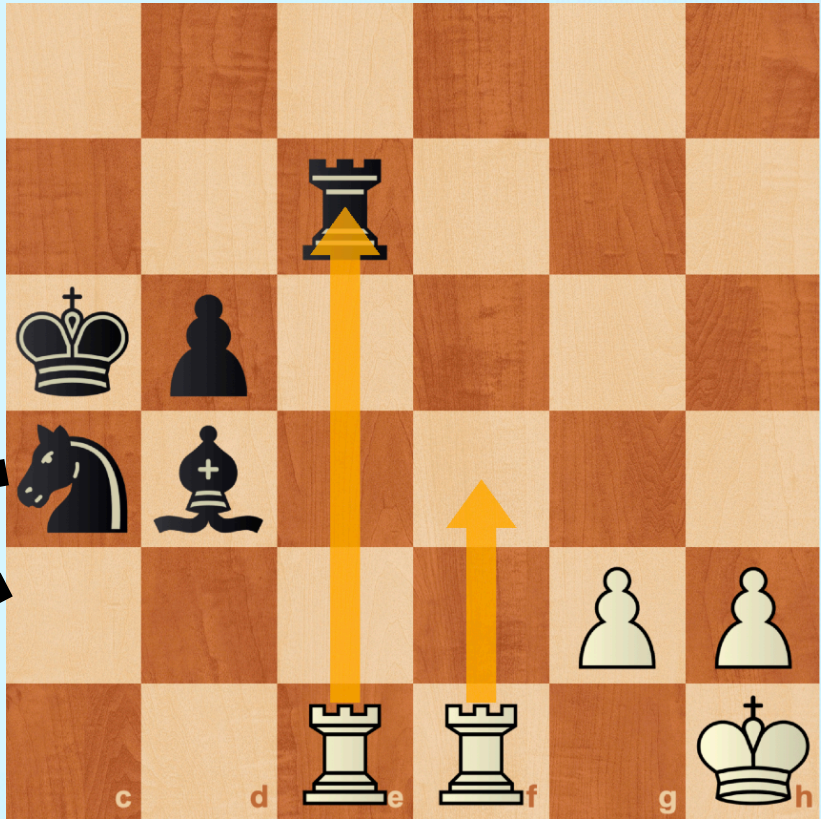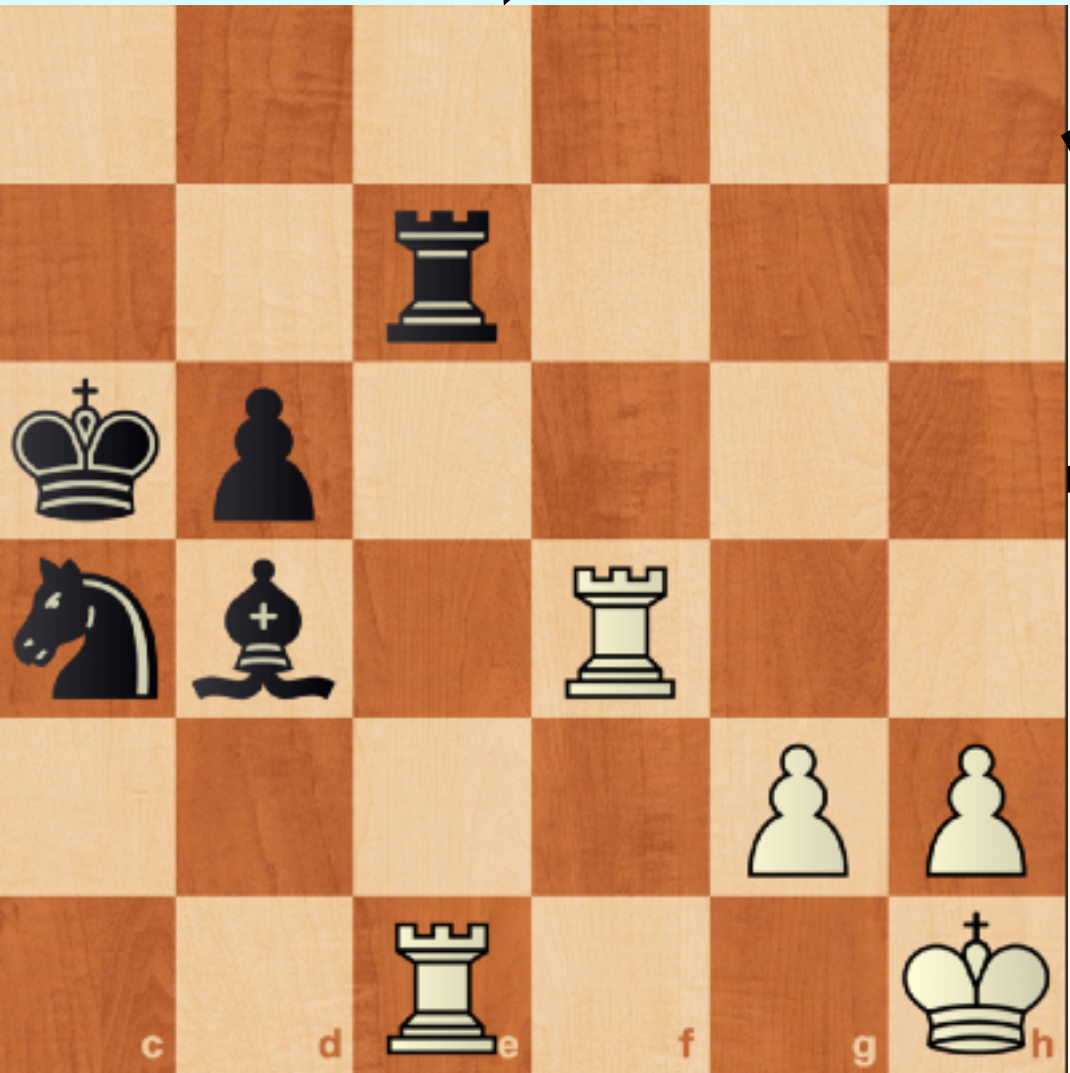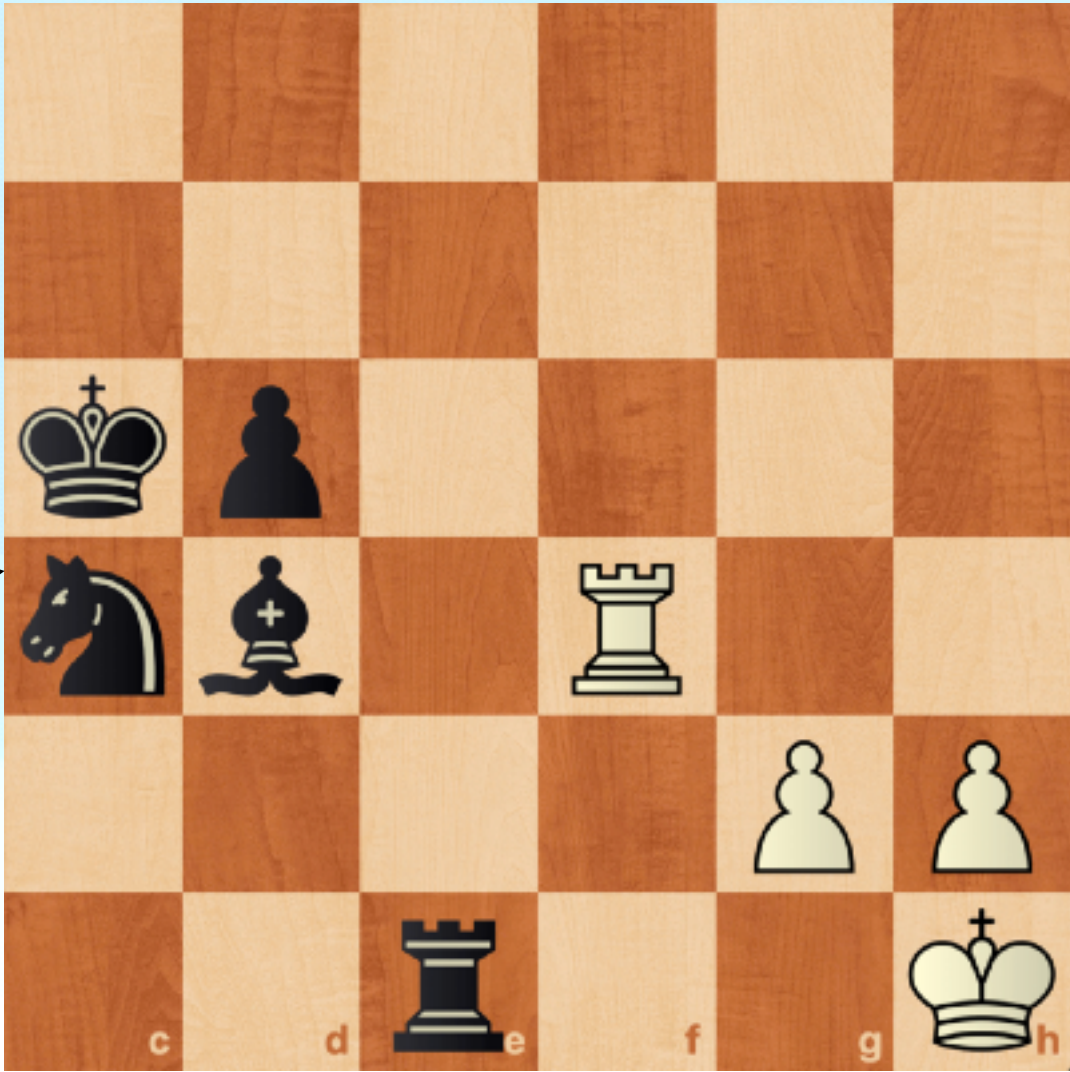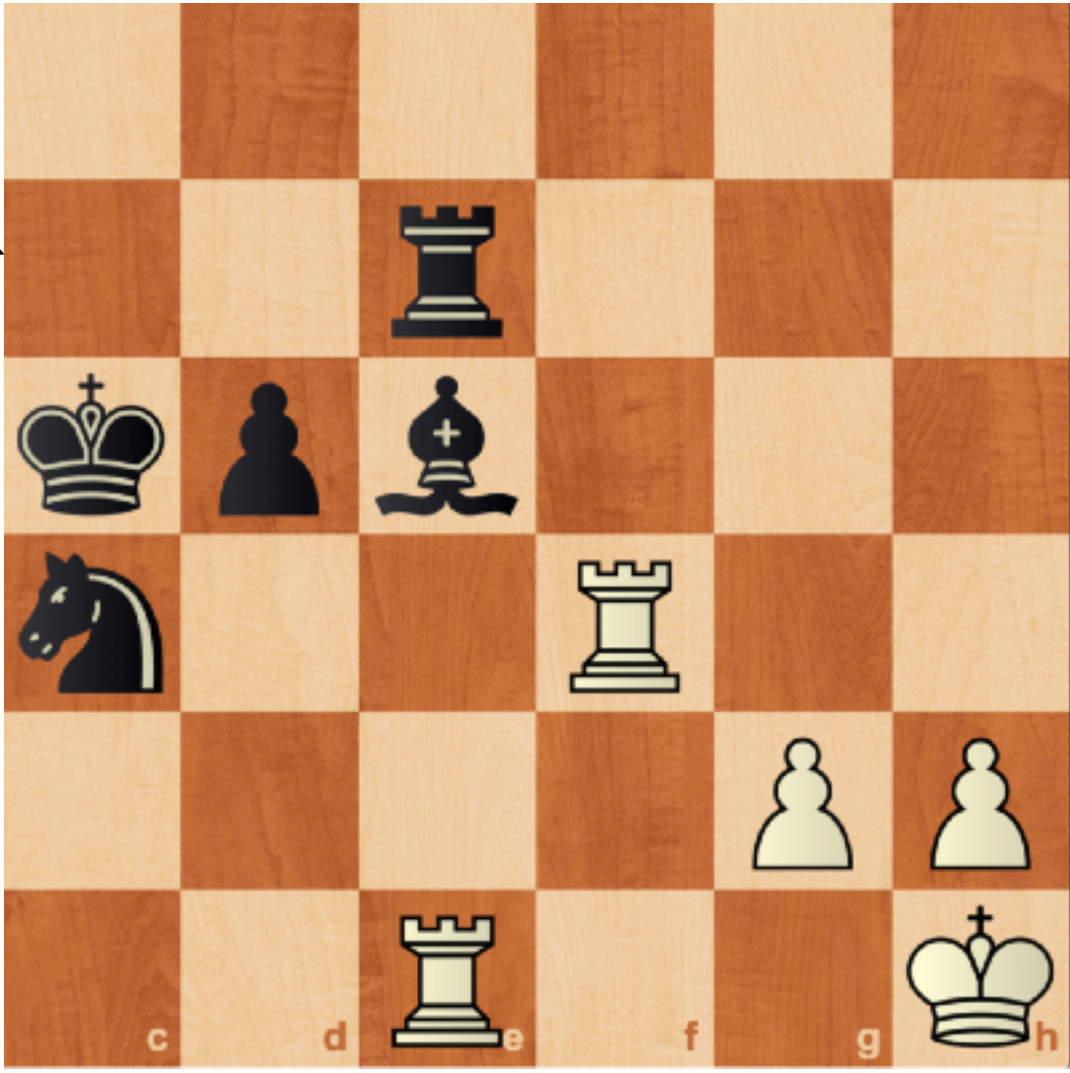# Example: $\alpha - \beta$ pruning

Black advantage, -3.1 (stockfish)

Black to move

Black Mates in 1

White to move

Midterm Review
Everything about the search!

- Uninformed search (knows nothing)

  - BFS, DFS, IDFS …

- Informed search (knows where's the goal)

  - Greedy, A*, local search algorithms

- CSP (special structured, don't care path)

  - Preprocessing (AC3), Backtracking…

- Games (two (or more) players)

  - $\alpha - \beta$ pruning