Homework 4: Chapter 2

Reading: Chapter 2 pgs 11-15
Exercises

1. 2.1(c,d), 2.7, 2.8, 2.9

2. (optional) Recall the EXTREMELY FALSE Claim F from class:

   Claim F: Every Condorcet candidate is a majority candidate.

   You've seen counterexamples to this claim. Construct a counterexample with n and N as small as possible.

3. (optional) Practice proving these claims:

   (a) If $n \leqslant 3$, then elimination and runoff choose the same winners.
   (b) If $n = 2$, then runoff and pairwise comparison choose the same winners as plurality.
   (c) There can only be at most one majority cand. in an election.
   (d) There can only be at most one condorcet cand. in an election.

Solutions to exercises from the book.

Solutions to optional problems.