Assignment 6 due 2/18

1. Section 6.1, problem 4

2. I have 11 distinguishable (i.e. not identical) pieces of candy I am looking to possibly divide between 4 children. However, I may keep some or all of the candy for myself instead of giving it out.

   (a) In how many ways can I give out the candy?

   (b) If I further require that every child get at least one piece (but don’t necessarily require myself to have at least one piece), in how many ways can I give out the candy?

3. Section 7.6, problem 5

4. Section 7.6, problem 6.

5. Section 9.2, problem 6


7. Section 9.2, problem 24