CS 2802: Homework 6

March 8, 2019

Handed out March 8, due March 18 (in 10 days)

- Read Chapter 15

- Do the following problems:

  - 15.5(b)

  - 15.6

  - 15.9(a),(b), (c). (You don't have to do the second part of (c), where it asks about the fraction of functions vs. total funtions.)

  - 15.12

  - 15.28

  - 15.35(a) (Hint: First think about the number of ways of doing this if the x_is just have to be non-negative, rather than being positive.)

  - 15.37

  - 15.38 (b), (c)

  - 15.56

  - 15.64 (explain how you go your answer in part (b)–(e))

  - 15.65 (just give a combinatorial argument; no need to do the calculations)

  - 15.68(a)