Assignment 4

L245
Searching

Due Wednesday, March 7

1. Do question #1 in chapter 4 of the draft textbook (p. 152).

2. Below is a list of the authors of 7 hypothetical books. So, for example, knight and davis wrote book 4, but crean did not.

   1) knight 5) knight crean
   2) davis 6) davis crean
   3) crean 7) knight davis crean
   4) knight davis

   For each of the following Boolean expressions, write down which author lists match the expression. For example, the Boolean expression davis matches 2, 4, 6, and 7. Additionally, for (d) and (e), draw a Venn diagram representing the query.

   (a) knight
   (b) knight AND NOT crean
   (c) knight OR davis OR crean
   (d) knight AND (davis OR crean)
   (e) (knight AND davis) OR crean

3. Do question #6 in chapter 4 of the draft textbook (p. 154–155).