Assignment 2

Linguistics 445/515
Searching

Due Monday, September 20

0. Make sure you have python installed on your computer. Test out the interactive mode.

1. Do question #1 in chapter 3 of the draft textbook (p. 125).

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 crean
   (c) knight OR davis OR crean
   (d) knight AND (davis OR crean)
   (e) (knight AND davis) OR crean

3. Do question #5 in chapter 3 of the draft textbook (p. 127).

4. Do question #6 in chapter 3 of the draft textbook (p. 127).

5. Do question #9 in chapter 3 of the draft textbook (p. 128–129). (Thanks to Rajakrishnan Rajkumar for this activity.)