Problem set 5: Extra Credit

Due last day of class. Worth 10 quiz points

1. Do problem 12. 3 in Speech and Language Processing
2. Do problem 12. 5 in Speech and Language Processing
3. Using the thematic roles from Figure 19.5 in the book, label the arguments of the bold-faced predicates in the sentences below.
   1. The door **opened**.
   2. A sinister-looking man **stood** there.
   3. I **was unnerved** by his silence.
   4. I **asked** what he wanted.
   5. He **handed** me a plain, brown box.
   6. A sudden gust of wind **blew** the lid off,
   7. and inside **was** a rusty key.
4. The following examples each have three items that are classes. Each example comes from an ontology with both “has\_subclass” and “has\_member” relations. Show which relation exists between the items in each example.
   1. baseball player; pitcher; baseball team
   2. tree, maple, forest
5. Based on evidence from Potts 2011 (also in the slides), which is a stronger indicator overall of a movie review’s polarity: the word *good* or the word *bad*?