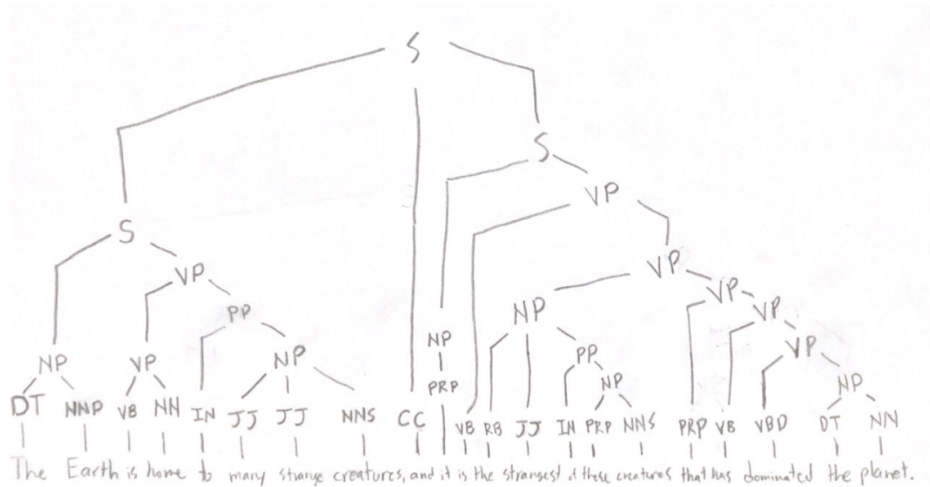


CS 4395 - Assignment 7: Sentence Parsing

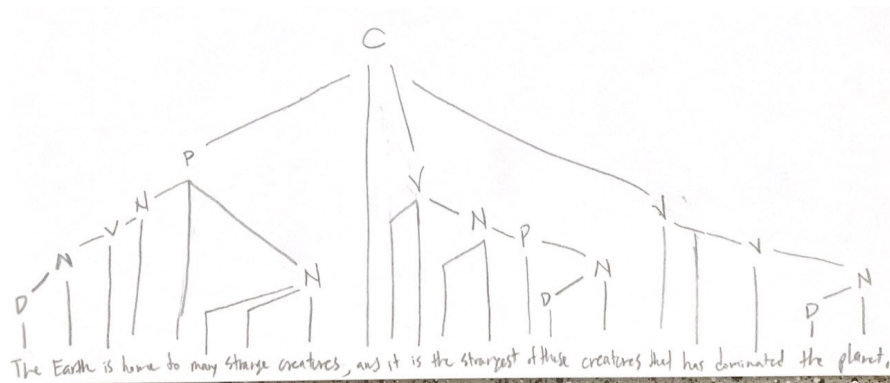
Sentence to be parsed:

The Earth is home to many strange creatures, and it is the strangest of these creatures that has dominated the planet.

PSG Tree:



Dependency Parse:



SRL Parse:

Predicate:

1. (1st) is:
 - a. arg1 = The Earth
 - b. arg2 = home to many strange creatures
2. (2nd) is:
 - a. arg1 = it
 - b. arg2 = the strange of these creatures that has dominated the planet
3. has:
 - a. n/a
4. dominated:
 - a. arg0 = the strangest of these creatures
 - b. r-arg0 = that
 - c. arg1 = the planet

The numbered arguments all surround the verb who they relate to. Each verb is simply describing what the first argument is or has done.

Each parse type is useful for its own purposes. The parse with the most information was the PSG tree since it labels every POS and then groups everything into phrases that eventually construct a complete sentence (or in the case of my sentence, a compound sentence). The Dependency parse was helpful for understanding how the sentence is built without all the extra information the PSG has. The SRL parse was the most helpful for simply seeing the main parts of the sentence with important information. While it has the most information, the PSG tree can contain a lot of extraneous information depending on what the user is searching for in the text. The Dependect parse also misses out on some potentially important information that can be found in the PSG tree as does the SRL parse.