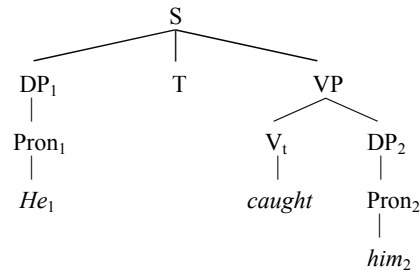


Ling 320. Assignment 10. Due Thursday, November 22nd.

Part 1. Derive the denotation for the following sentence, with respect to s_0 , under the assignment $[1 \rightarrow \text{Tro}, 2 \rightarrow \text{Leo}]$. That is, calculate:

$$\llbracket S \rrbracket^{s_0, [1 \rightarrow T, 2 \rightarrow L]} = 1 \text{ iff } \dots$$

(1)



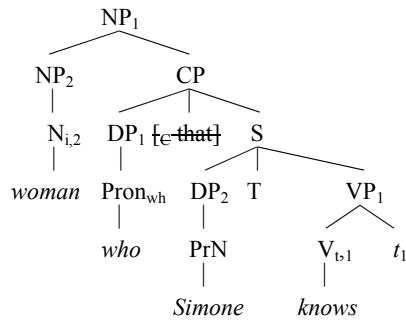
Part 2. Relative clauses.

Note: You may want to wait to do this part of the assignment until after Tuesday (the 20th)'s class, since we will look at examples like the one in (2) below then.

You can, however, first work through the derivation on your own, using rules (j) and (k) given below. We looked at (j) at the end of class on Thursday.

Derive the denotation for the following NP, with respect to s_0 , under the assignment $[2 \rightarrow \text{Simone}]$. That is, calculate $\llbracket \text{NP}_1 \rrbracket^{s_0, [2 \rightarrow \text{Simone}]} =$

(2)



Use rule (j) to calculate CP, and rule (k) to interpret the trace:

$$(j) \quad \llbracket [\text{CP DP}_1 \text{ C S}] \rrbracket^{s,g} = \{x \mid \llbracket S \rrbracket^{s,g[i \rightarrow x]} = 1\}$$

$$(k) \quad \llbracket t_i \rrbracket^{s,g} = g(i)$$

Optional Extra Credit. Derive the denotation for the following sentence, with respect to s_0 , under the assignment $[2 \rightarrow \text{Simone}]$.

That is, calculate $\llbracket S \rrbracket^{s_0, [2 \rightarrow \text{Simone}]} = 1 \text{ iff } \dots$

(3)

