

Syntactic Theory WS09-10

Assignment 6, LFG

Deadline: 26.01.2010, 16:15

Note: Question 2 will be done in class

19.01.2010

$$\text{IP} \rightarrow \left(\begin{array}{l} \text{TopicP} \\ (\uparrow \text{TOPIC}) = \downarrow \\ (\uparrow \text{TOPIC}) = (\uparrow \text{TOPICPATH}) \end{array} \right) \left(\begin{array}{l} \text{IP} \\ \uparrow = \downarrow \end{array} \right)$$

$$\text{IP} \rightarrow \quad \text{NP} \quad \text{I}'$$

$$\text{I}' \rightarrow \quad (\text{V}) \quad \text{VP}$$

$$\text{VP} \rightarrow \quad \text{V} \quad (\text{NP|CP})$$

$$\text{CP} \rightarrow \quad (\text{C}) \quad \text{IP}$$

$$\text{NP} \rightarrow \quad (\text{D}) \quad \text{N} \quad (\text{PP})$$

$$\text{PP} \rightarrow \quad \text{P} \quad (\text{NP})$$

$$\text{TopicP} \equiv \{\text{NP|PP|VP|AP|CP}\}$$

$$\text{TOPICPATH} \equiv \{\text{xCOMP} \mid \text{COMP} \mid \text{OBJ} \mid \text{ADJ} \mid \text{GF}\} \{(\text{ADJ} \in \text{GF}) \mid \text{GF}\} \\ (\rightarrow \text{LDD}) \neq - (\rightarrow \text{TENSE}) \quad \neg(\rightarrow \text{TENSE})$$

1. Consider the PS-rules presented above:

(a) Add the annotations to the unannotated PS-rules above

- (b) Provide the c- and f-structure for the sentence in (i). You may simplify lexical entries at the bottom of tree (and in your f-structure) by reducing them to their predicates, though it is recommended to provide fully informative entries if you feel you need more practice.
 - (i) Chris, David claims that Pauline likes.
2. Again, considering the PS-rules presented above. Which of the following expressions would be accepted by the grammar? Explain your answer in one sentence for each excluded sentence.
- (ii) Chris, David gave his favourite book to.
 - (iii) To Chris, David gave his favourite book.
 - (iv) Bagels, David claims he saw Chris when he ate.
 - (v) Bagels, David claims he ate when he saw Chris.
 - (vi) To walk, Chris seemed.
 - (vii) Brown hair, Peter saw a girl with.
 - (viii) Daniel, David gave his favourite book to Chris.
 - (ix) Chris, David gave his favourite book to Chris.
3. The provided PS-rules are clearly not perfect. Can you propose changes to improve this topicalization analysis?