

Syntactic Theory : First revision and exercises

Valia Kordoni

1. What are the elementary trees in TAG?
2. Define the substitution and the adjunction operations in TAG.
3. What types of the adjunction operation may one distinguish in TAG?
4. What are the derived trees in TAG?
5. What are the derivation trees in TAG?
6. How may one come up with a derivation tree in TAG?
7. Define the notion of locality in TAG?
8. Name the (formally) different representations that LFG uses in order to encode linguistically different kinds of information. Explain briefly what kind of information is represented in each of these different levels of representation.
9. Name the three fundamental notions which characterize the basic architecture of LFG.
10. In LFG:
 - (a) what is a c-structure and how is it assigned;
 - (b) what is an f-structure and how is the formal description of an appropriate f-structure derived;
 - (c) how are f-structures defined.

11. What kind of method is used in LFG for structure assignment? Explain briefly and clearly how this method works.
12. How are structures described in LFG? Explain your answer.
13. How are c-structures related to f-structures in LFG?
14. In LFG a structural correspondence is a function. What are the requirements of the theory as far as this function is concerned?
15. What does $\uparrow = \downarrow$ mean?
16. What do the symbols \uparrow and \downarrow stand for?
17. How is the method of generating range descriptions called in LFG?
18. Name some of the syntactic and semantic theories which have influenced HPSG.
19. What do ID schemata and LP rules determine in HPSG?
20. How is HPSG different from Transformational Grammar?
21. Name the main characteristics of HPSG.
22. How is structure sharing achieved in HPSG?
23. What do feature structures represent in HPSG?
24. Can feature structures be partial? Explain your answer.
25. What are the components of a basic type hierarchy in HPSG?
26. In which two ways are feature structures in HPSG assumed to be maximally informative?
27. Provide a TAG analysis for the following sentence:
 - (1) This room, Julius teaches his class in.

28. Provide a LFG analysis for the following sentences:

(2) Ann, I think he likes.

Good luck with your revision!