

Parsing with TAG/LFG Exercises

Task 2: due on November 1st 2011
Deadline: November 29th 2011, 11:50 a.m

- (a) *Who has seen these films?*
- (b) *A strange thing occurred in the cinema.*

A. Tree Adjoining Grammar

1. Generate the *derived tree* and *derivation tree* for the sentence (a) from their elementary trees (*initial trees* and *auxiliary trees*).
2. Please explain the combination operations that you applied and what constraints should be appeared for parsing correctly the given sentence.

B. Lexical Functional Grammar

1. Generate the *c-structure* and *f-structure* for the sentence (b).
2. Give the *c-structure* and *f-structure* mapping for the sentence (b).
3. Does the obtained mapping satisfy three formal constraints: consistency, coherence, completeness? Please comment on it.