

# Syntactic Theory WS09-10

## LFG Revision Exercise

January 28, 2010

- PS-rules:

$IP \rightarrow NP I'$

$I' \rightarrow (I) VP$

$VP \rightarrow V' (PP)$

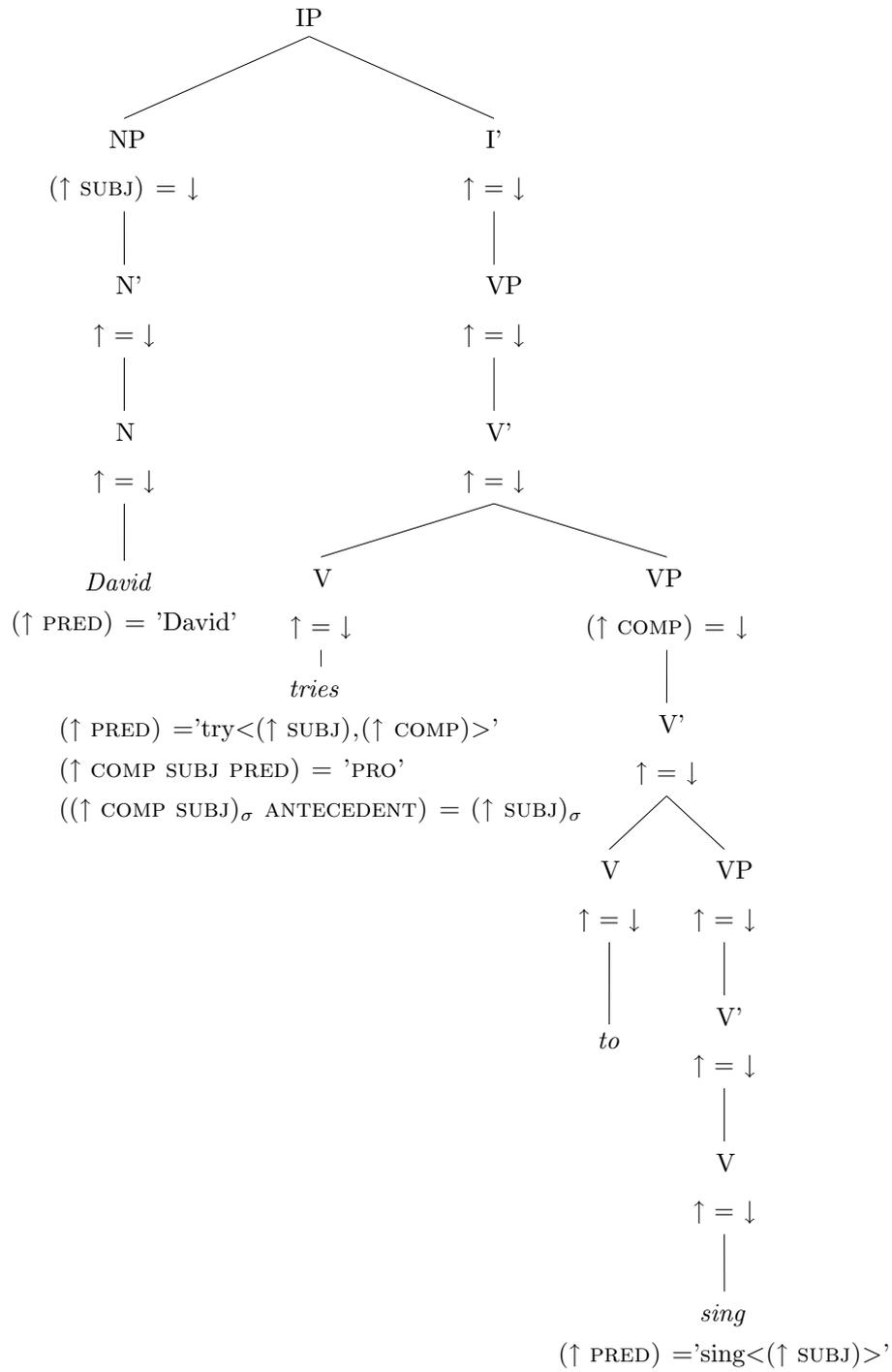
$V' \rightarrow V (VP|NP) (NP|PP)$

$NP \rightarrow (Det) N' (PP)$

$N' \rightarrow A^* N$

$PP \rightarrow P (NP)$

- C-structure of *David tries to sing*:



1. The grammar as defined now, combined with simplified lexical entries accept many ungrammatical sentences. Constrain your grammar to capture the following sentences. Briefly explain your additional constraints. For those examples that are already captured by the grammar explain why the analysis is (not) appropriate.
  - (a) \*David try to sing.
  - (b) \*David tries that sing(s).
  - (c) \*David tries sing.
  - (d) \*David tries (to) sings.
  - (e) \*David tries (to) sang.
  - (f) \*David tries he sing(s).
  - (g) \*David tries to singing.
2. Derive the f-structure (including the anaphoric control in the semantic structure)
3. Provide annotations for the PS-rules that capture English syntax as accurately as possible