

Syntactic Theory WS09-10

Sample Solution

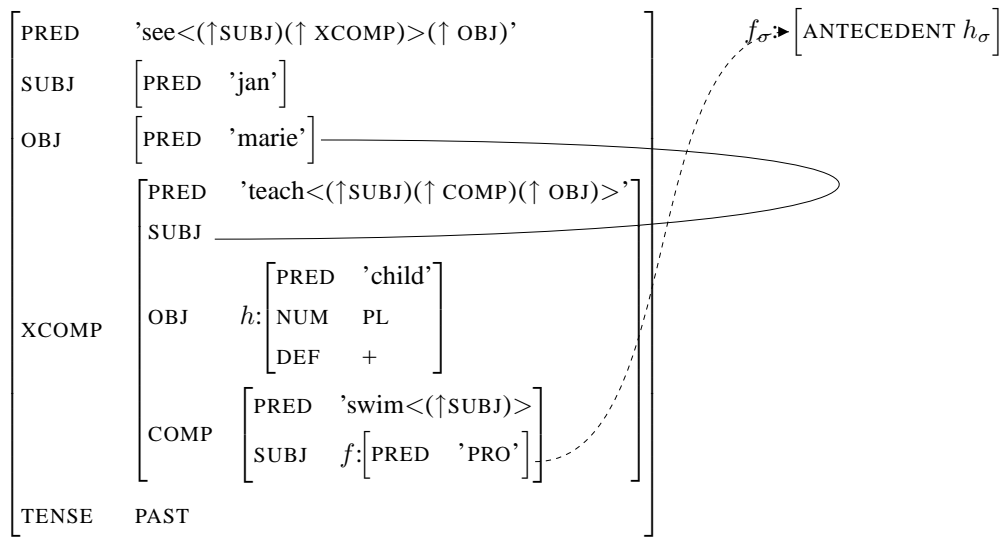
- (a) Complete the lexical entries (including predicate values!) for *zag* (saw) and *leren* (teach), so that they correctly capture functional or anaphoric control (use English to test whether the verbs are raising or equi)

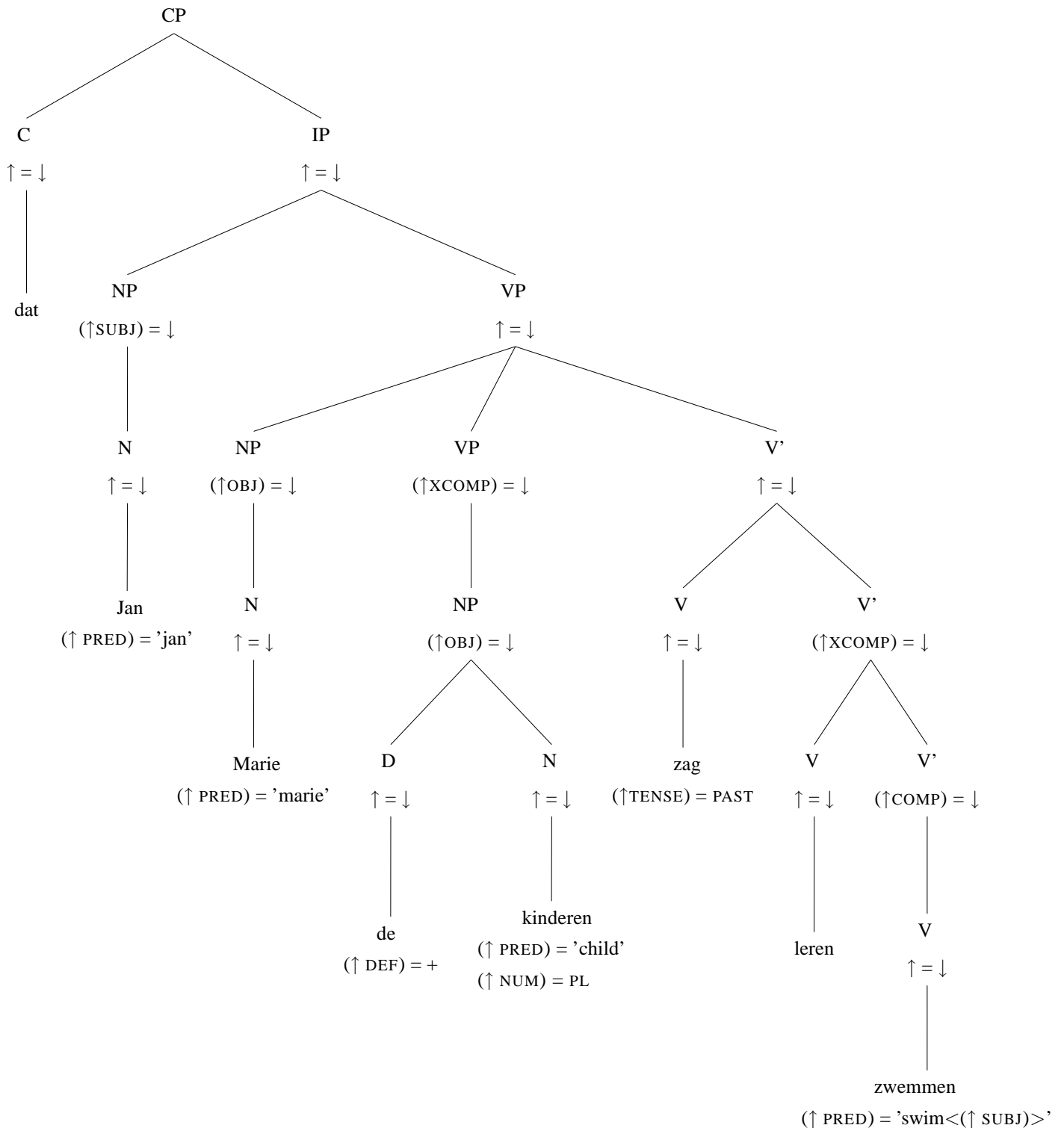
zag V (\uparrow PRED) = 'see<(\uparrow SUBJ)(\uparrow XCOMP)>(\uparrow OBJ)'
 (\uparrow TENSE) = PAST
 (\uparrow OBJ) = (\uparrow XCOMP SUBJ)

leren V (\uparrow PRED) = 'teach<(\uparrow SUBJ)(\uparrow COMP)(\uparrow OBJ)>'
 (\uparrow COMP SUBJ PRED) = 'PRO'
 ((\uparrow COMP SUBJ) _{σ} ANTECEDENT) = (\uparrow OBJ) _{σ}

- (b) Provide the syntactic correspondences in the c-structure. Make sure all nodes are annotated appropriately.
See page (3). Note that annotations of lexical properties now defined as answer to question (a) are now removed for reasons of space.

- (c) Provide the f-structure of the sentence:





(d) Annotate the PS-rules, making sure they could also capture the following sentences:

...dat Jan Marie de kinderen leerde zien zwemmen.
 ...that Jan Marie the children taught see swim.
 '...that Jan taught Marie to see the children swim'

...dat Jan Marie Paul de kinderen zag helpen leren zwemmen.
 ...that Jan Marie Paul the children saw help teach swim.
 '...that Jan saw Marie help Paul teach the children to swim'

Tip: start with the first given sentence, and then see whether additions or changes are required to capture the other two sentences

$$\begin{array}{l}
 \text{CP} \rightarrow \begin{array}{cc} \text{C} & \text{IP} \\ \uparrow = \downarrow & \uparrow = \downarrow \end{array} \\
 \text{IP} \rightarrow \begin{array}{cc} \text{NP} & \text{VP} \\ (\uparrow \text{SUBJ}) = \downarrow & \uparrow = \downarrow \end{array} \\
 \text{VP} \rightarrow \left(\begin{array}{c} \text{NP} \\ (\uparrow \text{OBJ}) = \downarrow \end{array} \right) \left(\begin{array}{c} \text{VP} \\ \left\{ \begin{array}{l} (\uparrow \text{XCOMP}) = \downarrow \mid \\ (\uparrow \text{COMP}) = \downarrow \end{array} \right\} \end{array} \right) \left(\begin{array}{c} \text{V}' \\ \uparrow = \downarrow \end{array} \right) \\
 \text{V}' \rightarrow \begin{array}{cc} \text{V} & \left(\begin{array}{c} \text{V}' \\ \left\{ \begin{array}{l} (\uparrow \text{XCOMP}) = \downarrow \mid \\ (\uparrow \text{COMP}) = \downarrow \end{array} \right\} \end{array} \right) \\ \uparrow = \downarrow & \end{array} \\
 \text{NP} \rightarrow \left(\begin{array}{c} \text{D} \\ \uparrow = \downarrow \end{array} \right) \begin{array}{c} \text{N} \\ \uparrow = \downarrow \end{array}
 \end{array}$$