Ling 566
Oct 18, 2006

Review

Overview

- Model v. modeling domain and constructing arguments

- Technical details (lexical entries, trees)

- Cascades of identities in Wambaya

- Analogies to other systems you might know

- Your questions...

- Problems

Ambiguity

- Are these sentences ambiguous?

  The swan and the duck in the river swam together.

  Kim slept and Dana wrote at the same time.

What's wrong with this?

- Because the PP can modify both Ss in (1), PPs must be able to modify S.

(1) Kim danced and Sandy sang on Saturday

(Icelandic) Case

- Should CASE be inside AGR? Why or why not?

- To what extent is Icelandic case marking semantically driven?
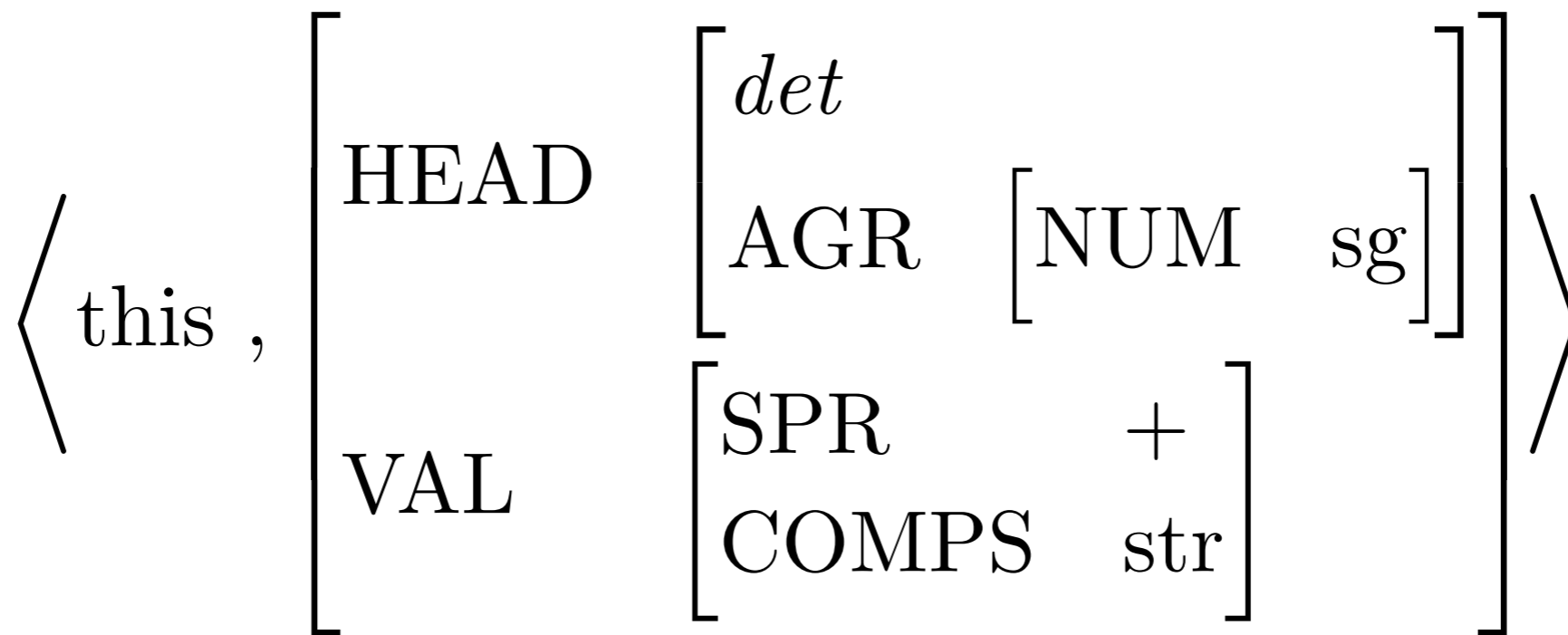
- How do you know?

Constructing an argument

- Different Icelandic verbs appear with subjects in different cases.

- In a model where case is assigned by phrase structure position...

- In a model where case is constrained on the valence features of verbs...
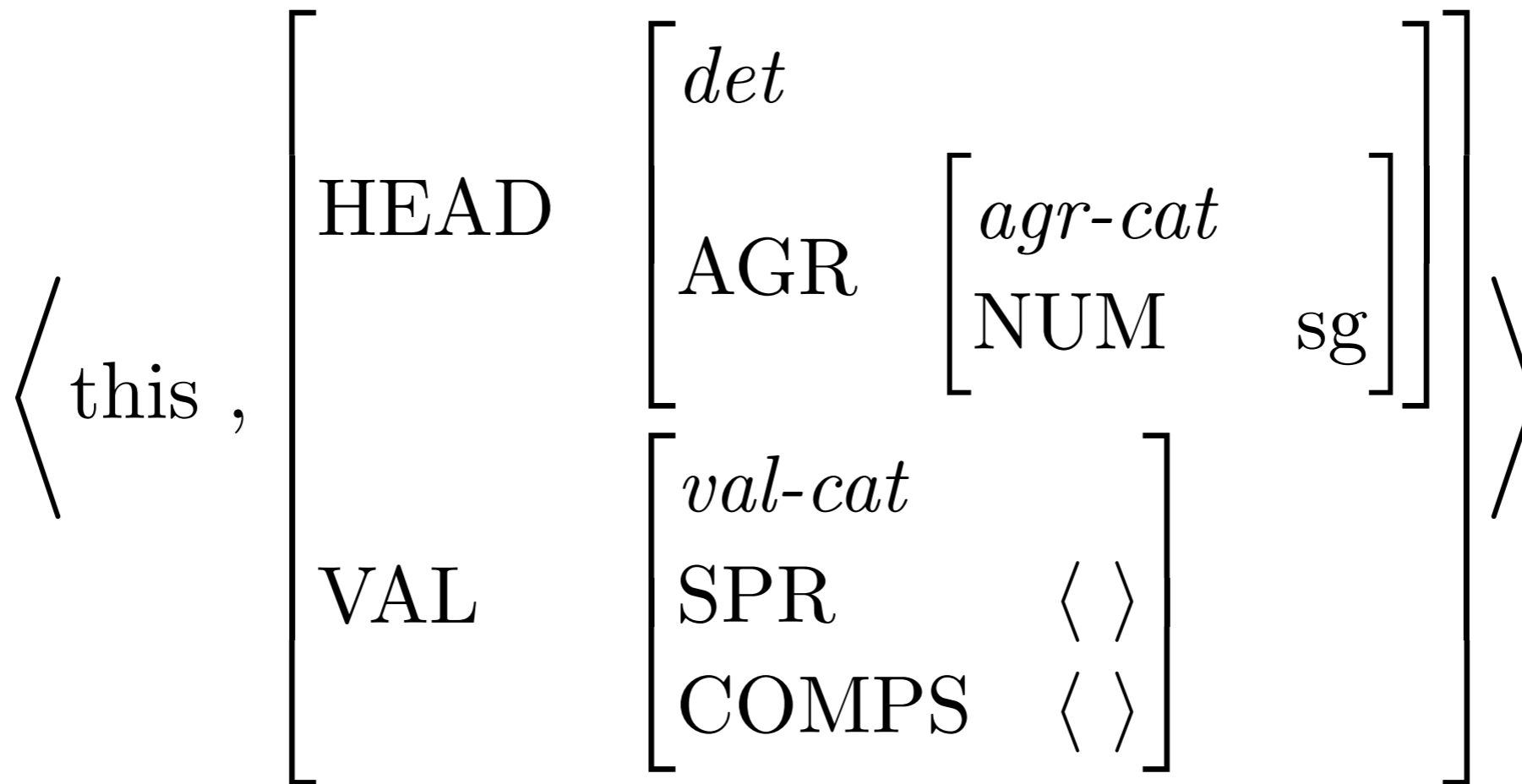
- In conclusion...

AGR and determiners

- What should the PER value be on lexical entries for *this, these, those, the, ...* ?
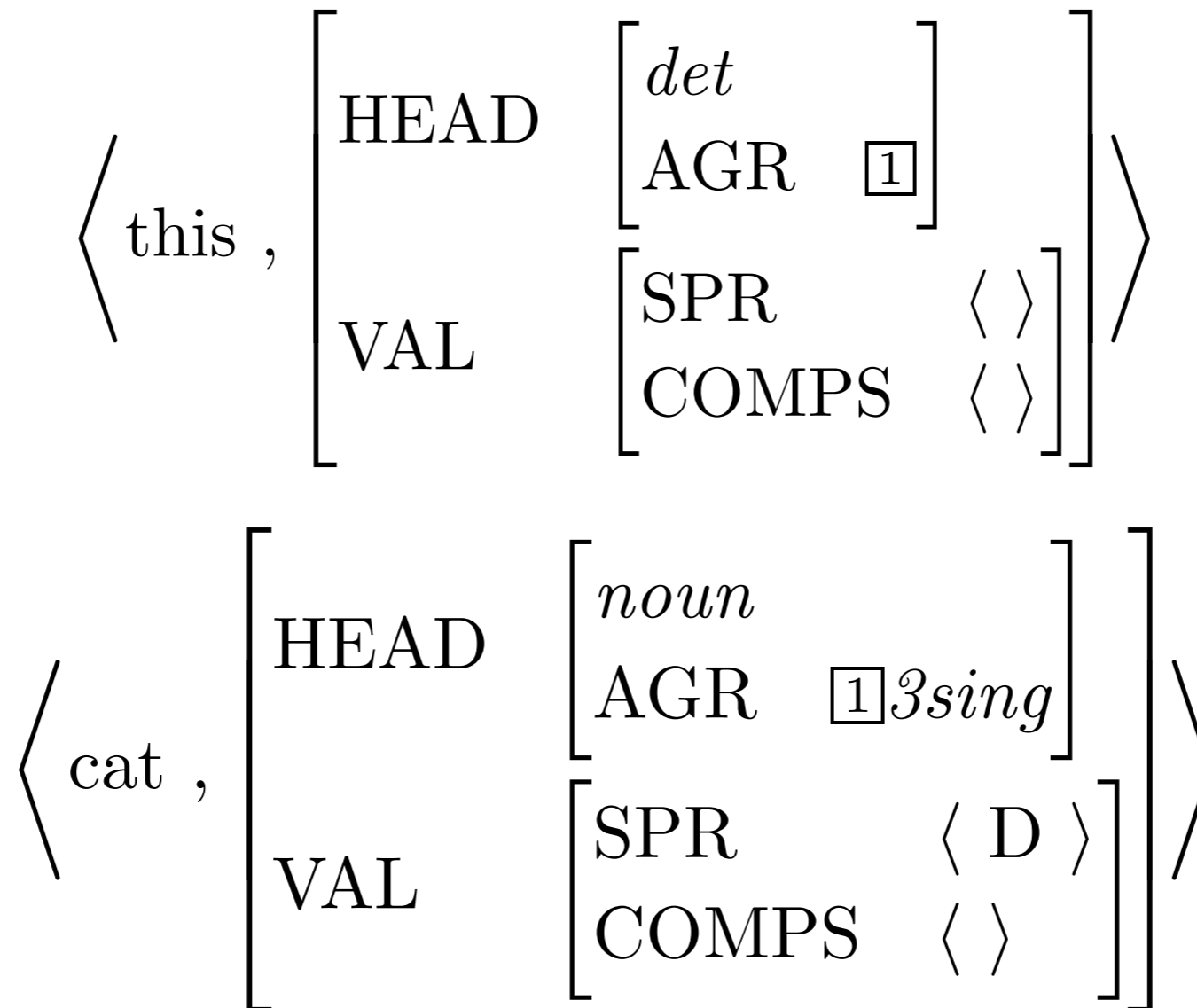
What's wrong with this?

$$\left\langle \text{this} , \begin{bmatrix} \text{HEAD} & \begin{bmatrix} det \\ \text{AGR} & \begin{bmatrix} \text{NUM} & \text{sg} \end{bmatrix} \end{bmatrix} \\ \text{VAL} & \begin{bmatrix} \text{SPR} & + \\ \text{COMPS} & \text{str} \end{bmatrix} \end{bmatrix} \right\rangle$$

NB: Ch 3 grammar

How about this?

$$
\left\langle \text{this} , \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \textit{det} \\ \text{AGR} & \begin{bmatrix} \textit{agr-cat} \\ \text{NUM} & \text{sg} \end{bmatrix} \end{bmatrix} \\ \text{VAL} & \begin{bmatrix} \textit{val-cat} \\ \text{SPR} & \langle\,\rangle \\ \text{COMPS} & \langle\,\rangle \end{bmatrix} \end{bmatrix} \right\rangle
$$

Or this?

$$\left\langle \text{this} , \begin{bmatrix} \text{HEAD} & \begin{bmatrix} det \\ \text{AGR} & \boxed{1} \end{bmatrix} \\ \text{VAL} & \begin{bmatrix} \text{SPR} & \langle \, \rangle \\ \text{COMPS} & \langle \, \rangle \end{bmatrix} \end{bmatrix} \right\rangle$$

$$\left\langle \text{cat} , \begin{bmatrix} \text{HEAD} & \begin{bmatrix} noun \\ \text{AGR} & \boxed{1}3sing \end{bmatrix} \\ \text{VAL} & \begin{bmatrix} \text{SPR} & \langle \, D \, \rangle \\ \text{COMPS} & \langle \, \rangle \end{bmatrix} \end{bmatrix} \right\rangle$$

SPR value on AP/PP?

- Kim grew fond of baseball.

- Kim and Sandy ate lunch in the park.

- Kim and Sandy are in the park.

COMPS on PP?

- Kim put the books here.

- Here, have a cookie.

- Kim put the books here have a cookie.

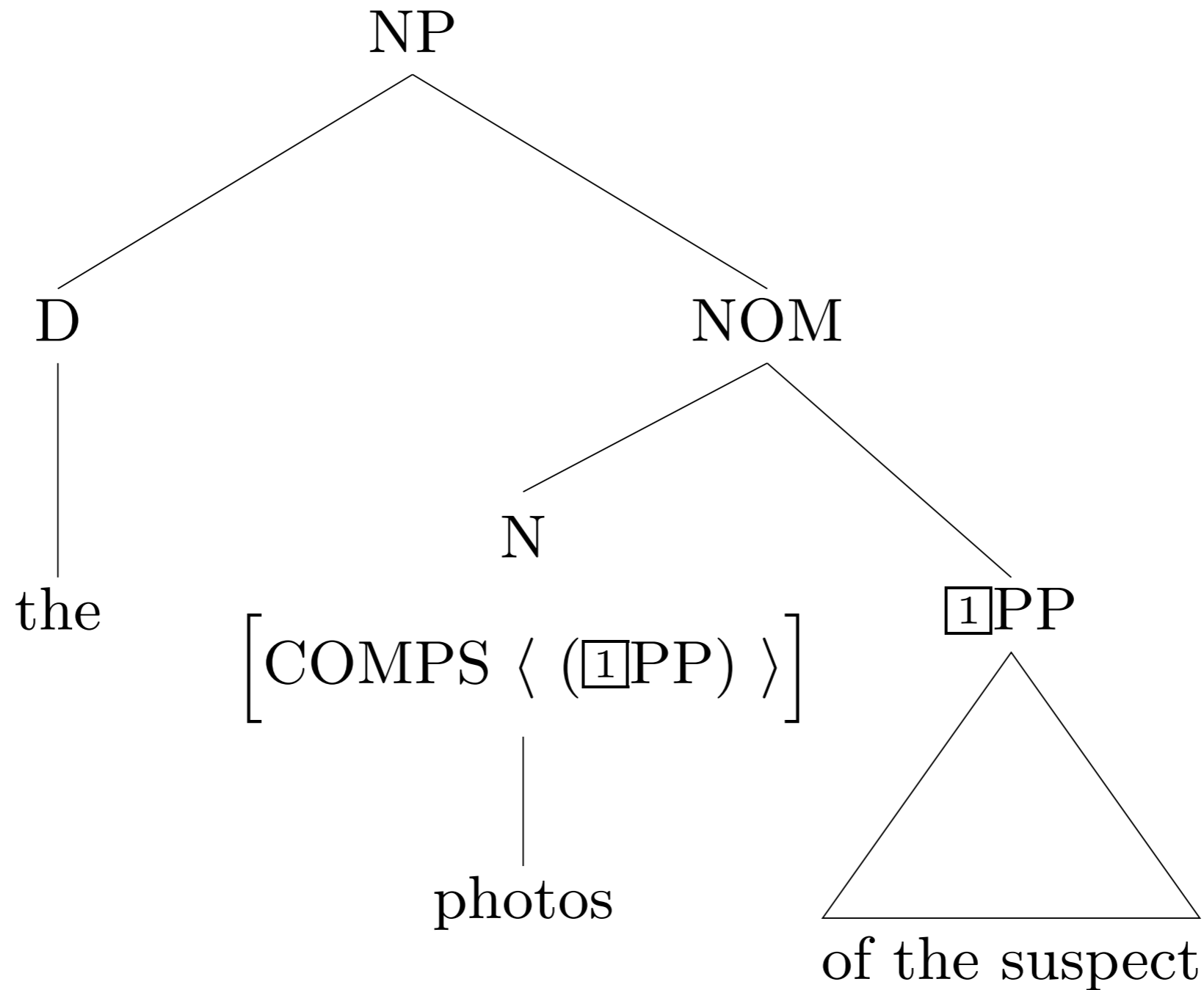- Kim put the books on the table.

Which grammar does this tree go with?
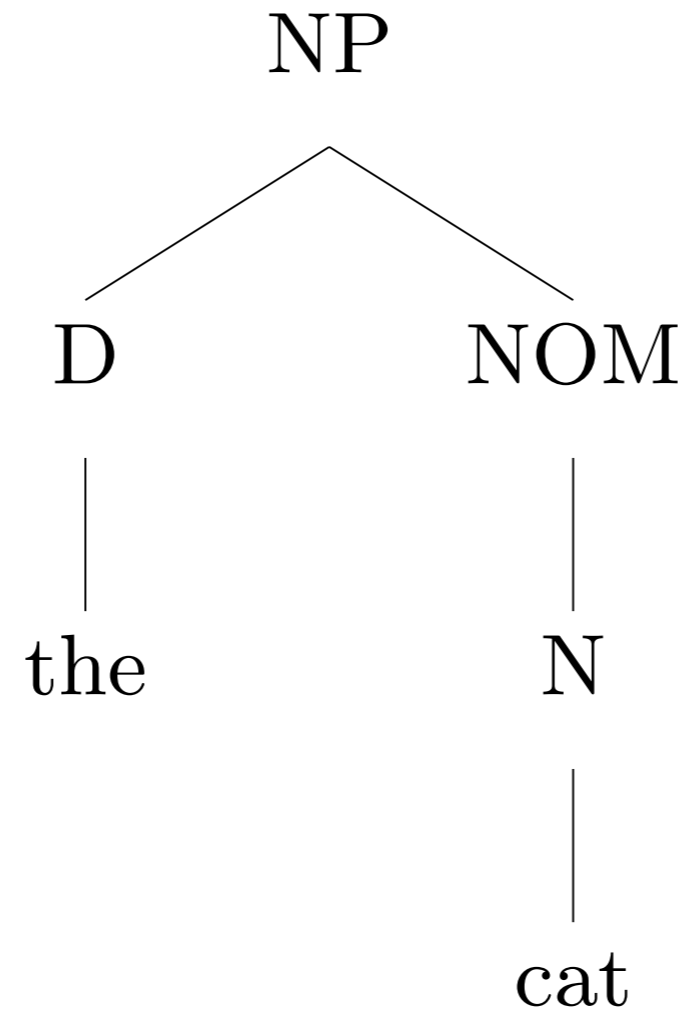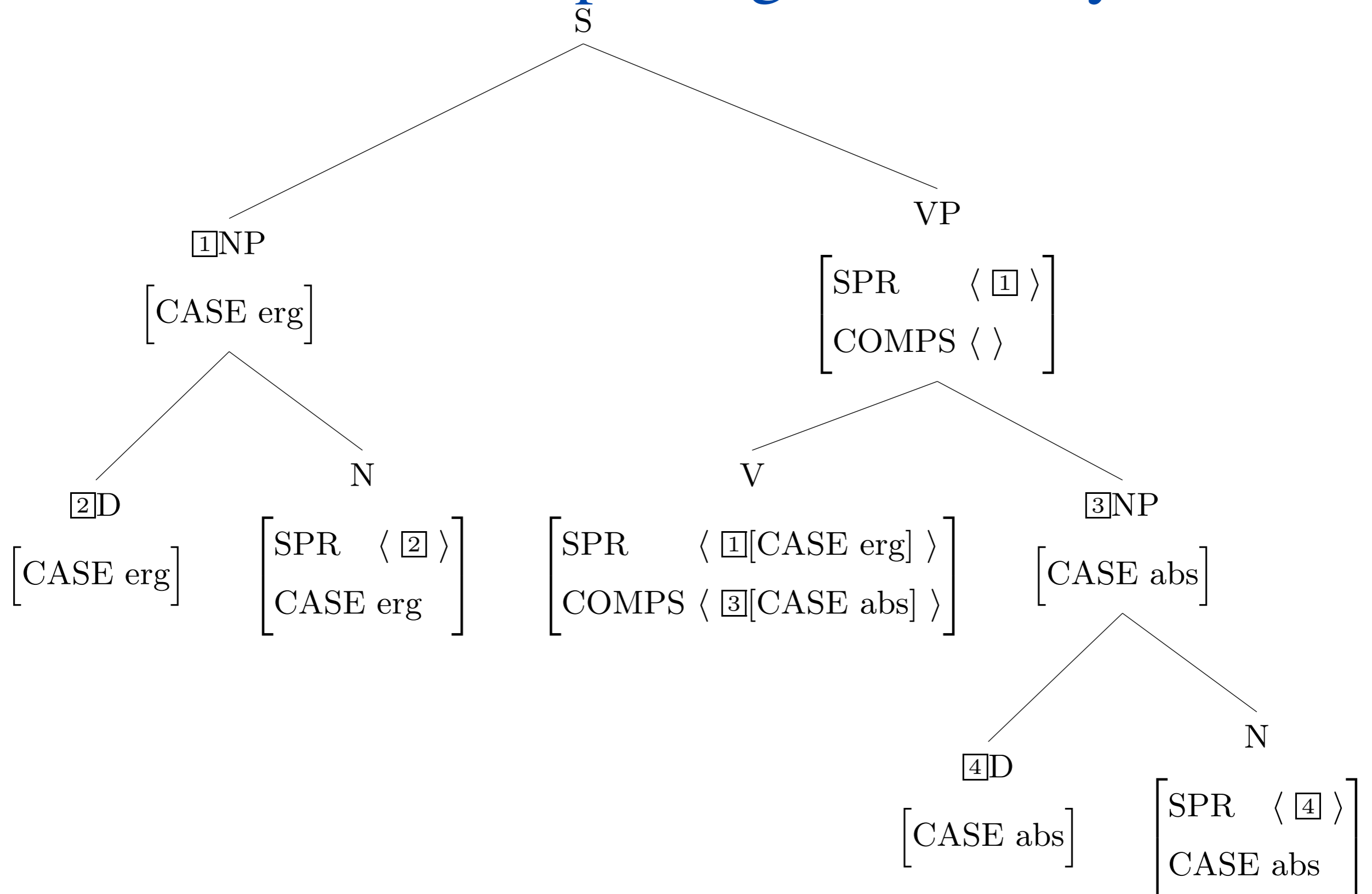
Tags & lists

- What's the difference between these two?

$$\left[\text{SPR} \quad \boxed{1}\langle\; \text{NP}\; \rangle \right]$$

$$\left[\text{SPR} \quad \langle\; \boxed{1}\text{NP}\; \rangle \right]$$

- When does it matter?

What's wrong with this tree?
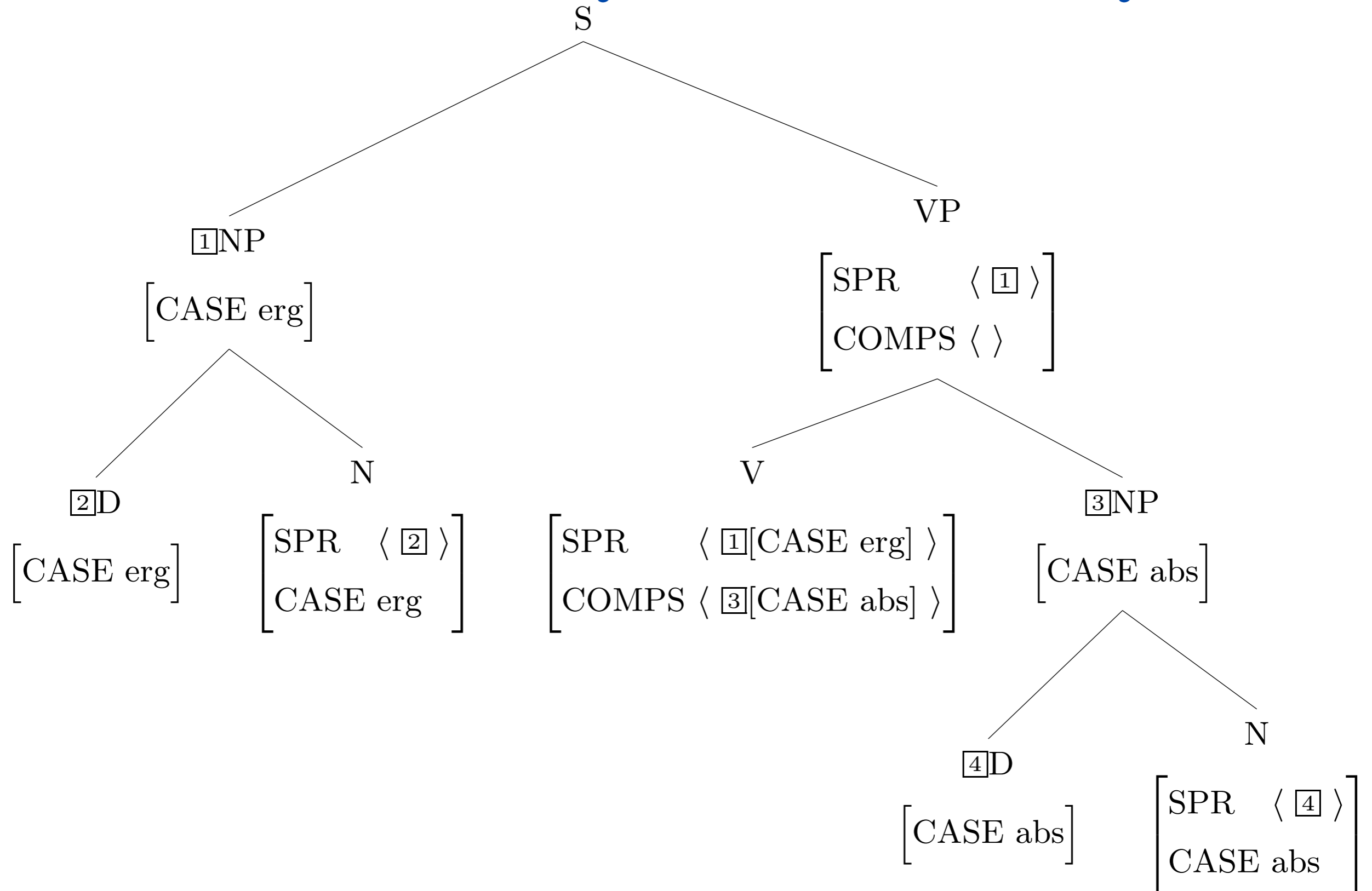
Information passing in Wambaya

What requires this identity?

How about this one?

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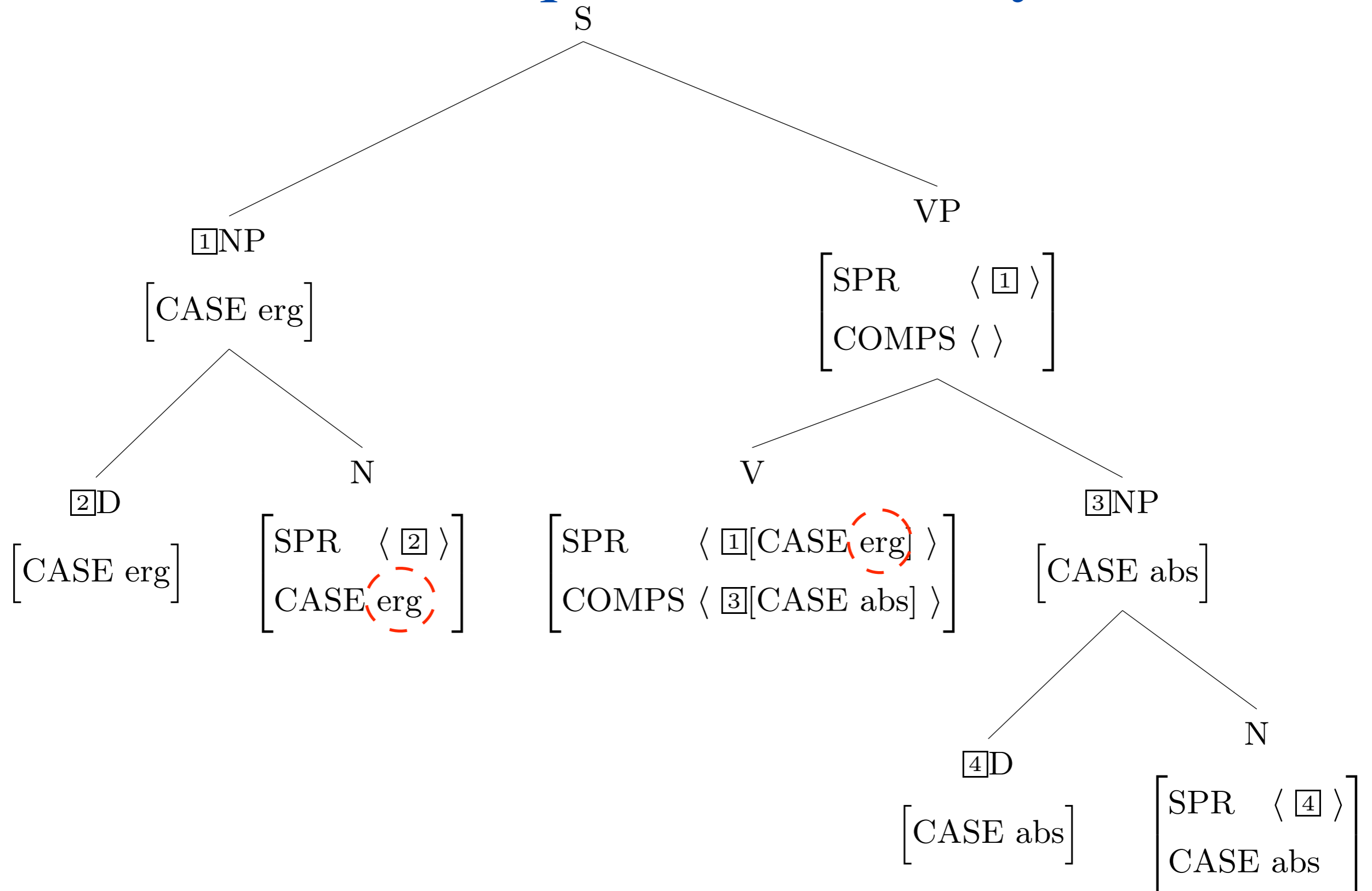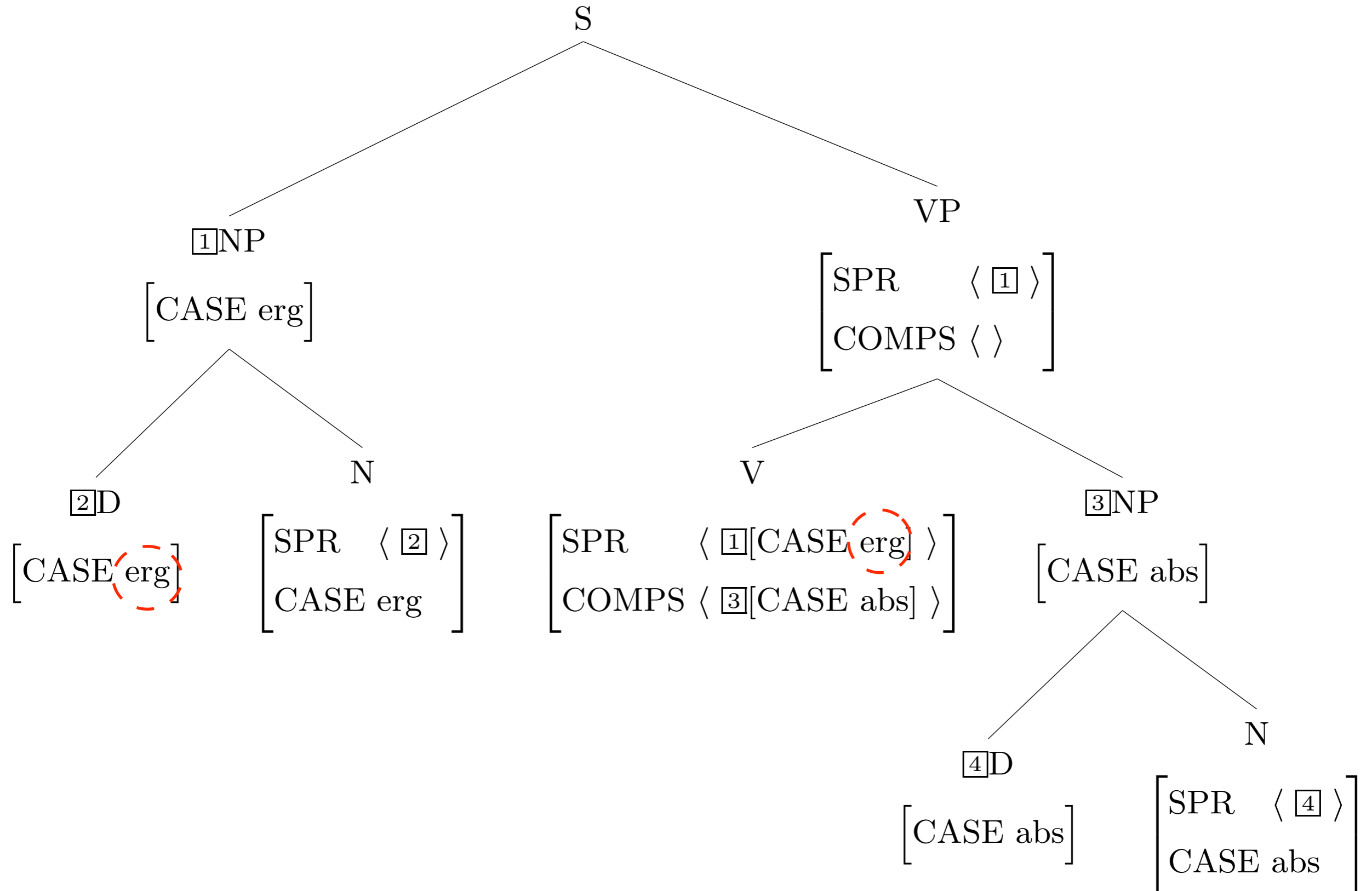
Is this tree really valid for Wambaya?

Type hierarchy analogies

- How is this formalism like OOP?

- How is it different?

- How is the type hierarchy like an ontology?

- How is it different?

- How is this formalism like the MP's formalism?

- How is it different?

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