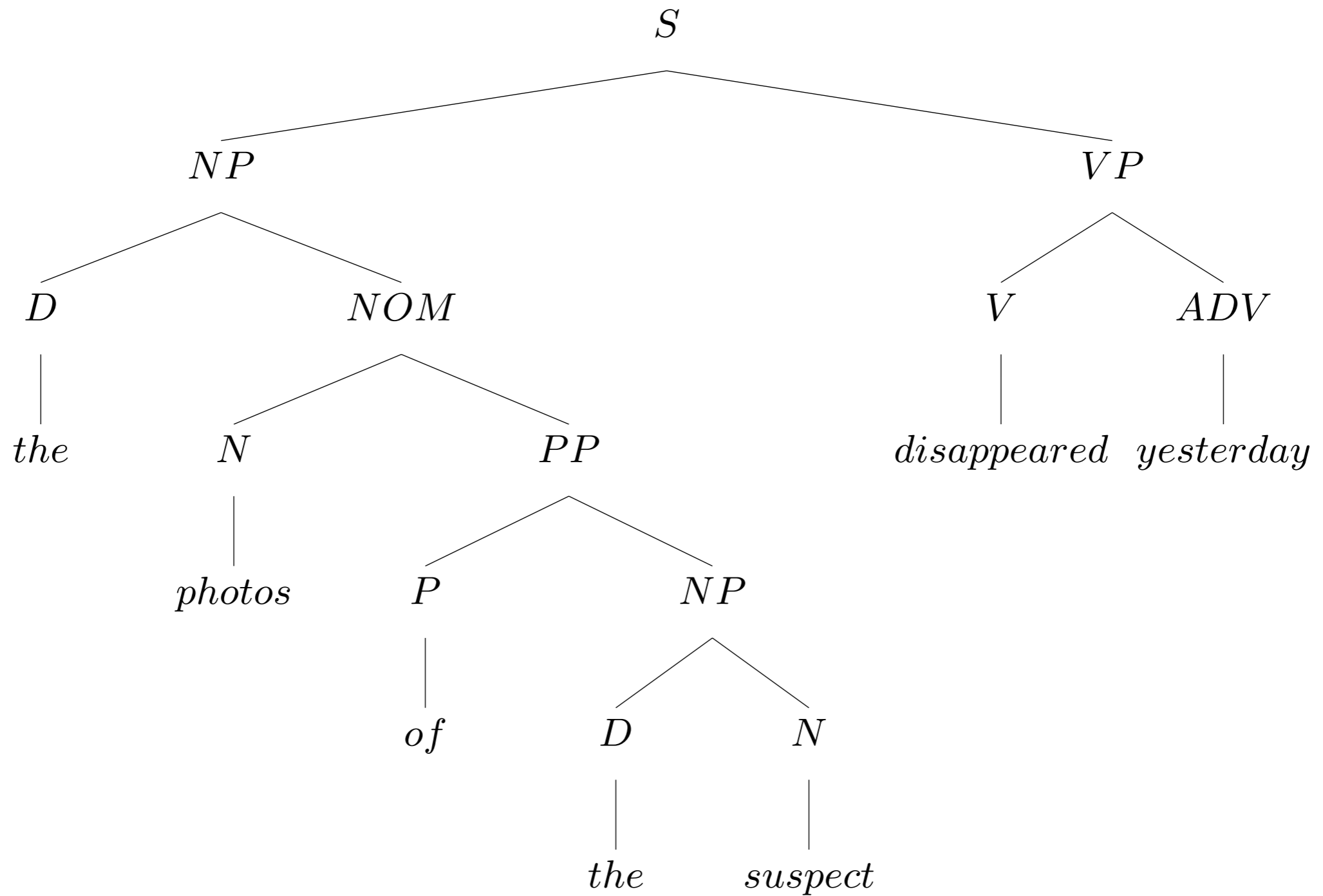


Ling 566
Oct 21, 2009
Review

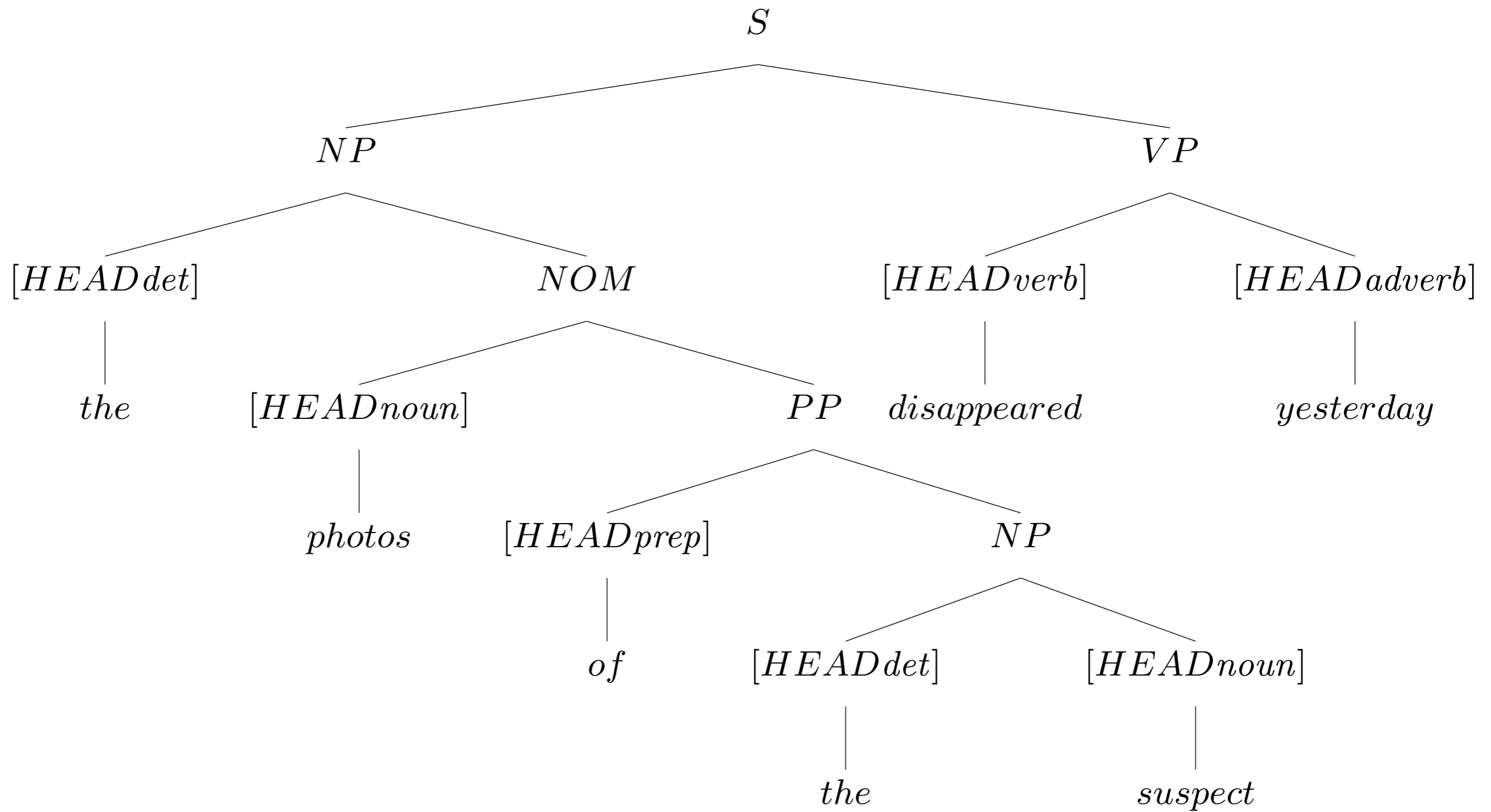
Overview

- Information movement in trees
- Exercise in critical thinking
- Homework tips
- SPR and COMPS
- Technical details (lexical entries, trees)
- Analogies to other systems you might know
- Your questions...

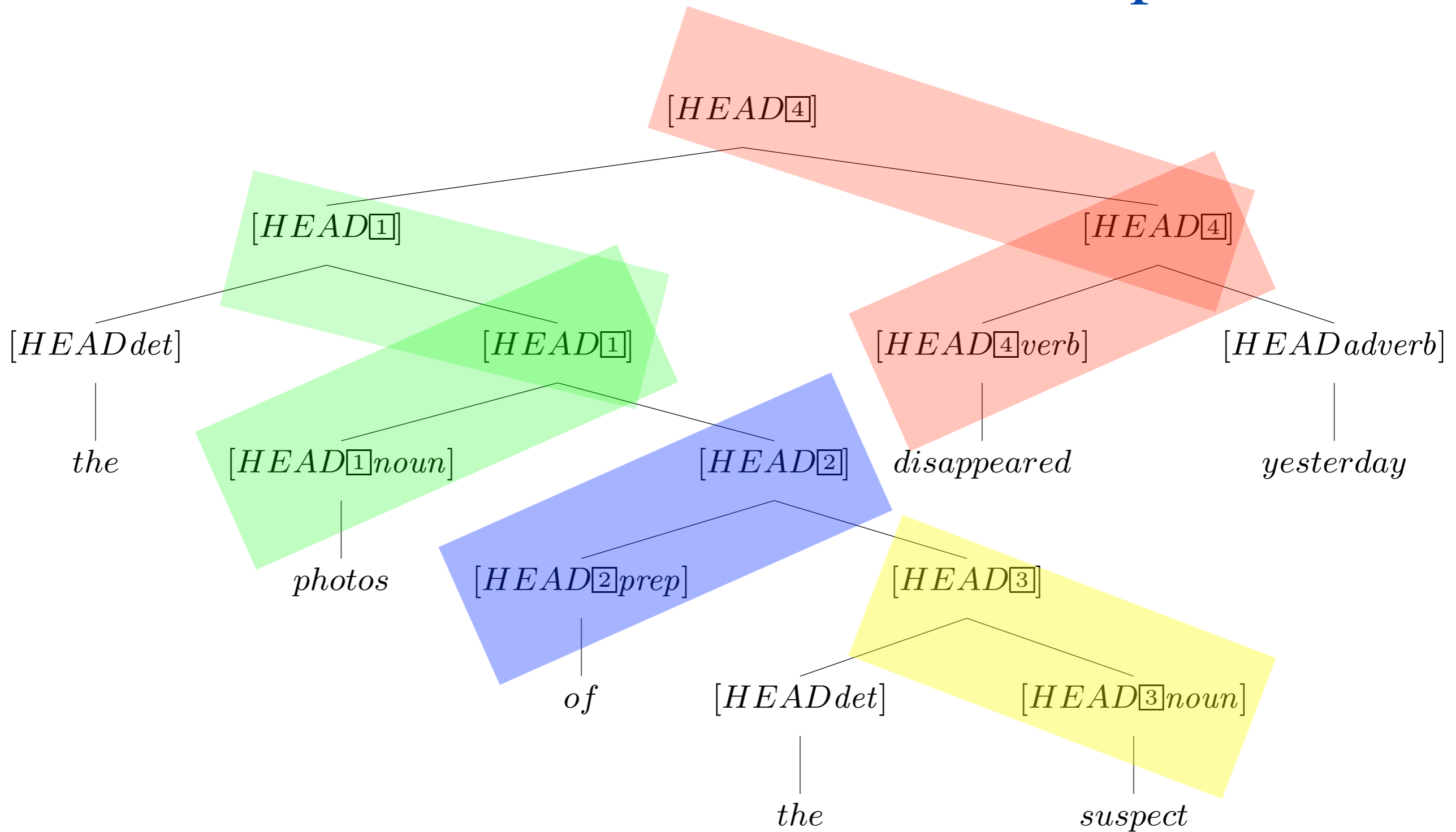
Another Example



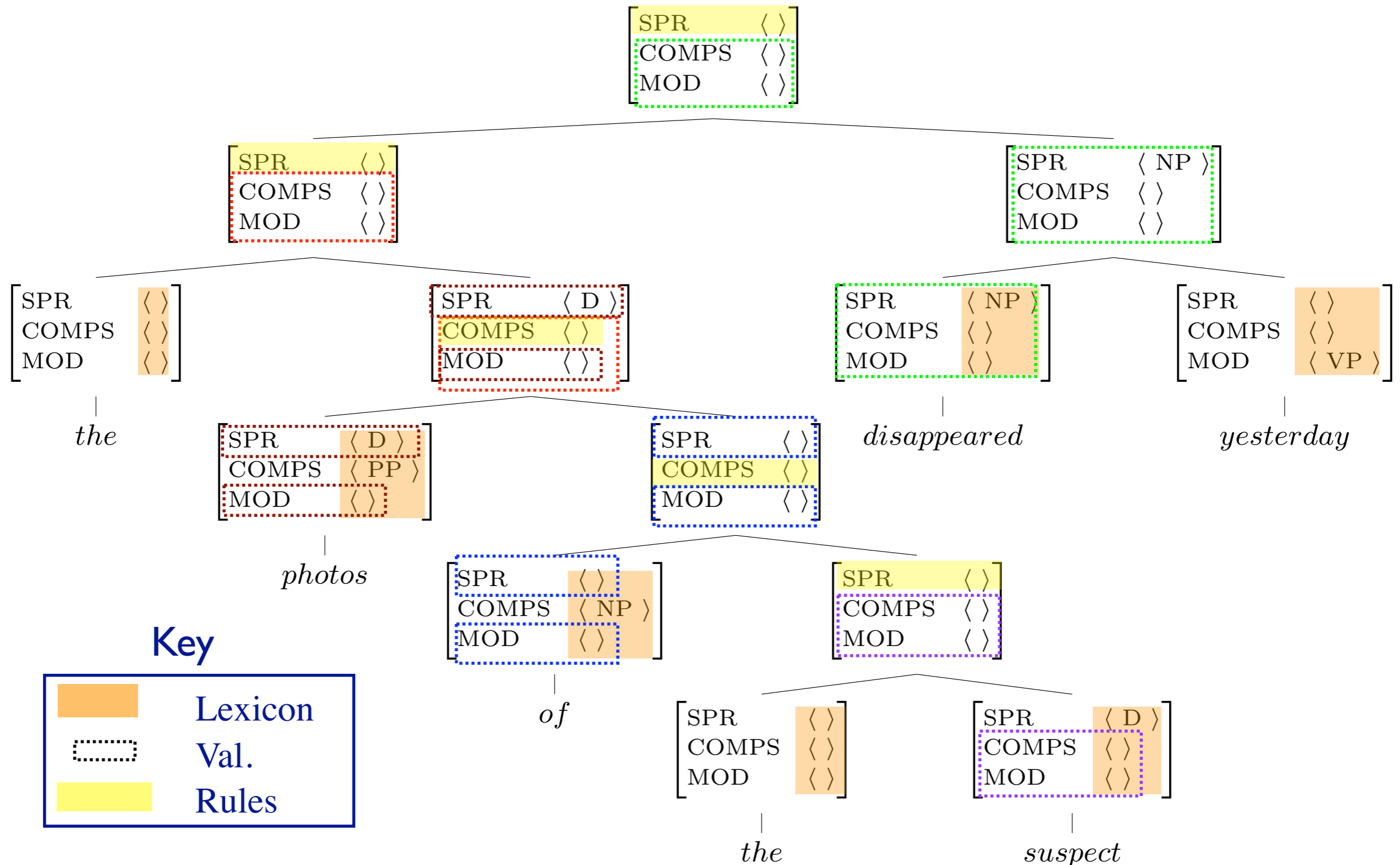
Head Features from Lexical Entries



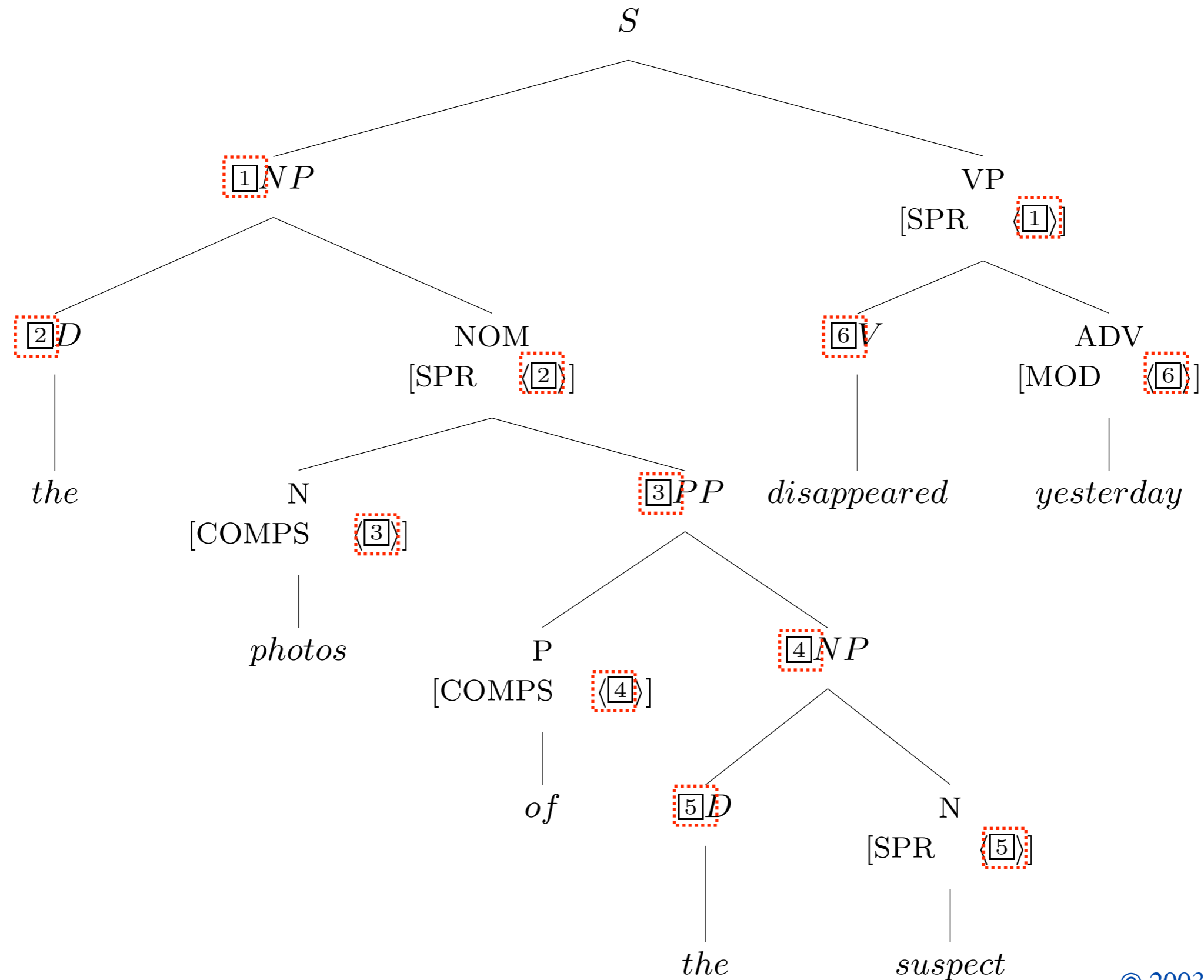
Head Features from Lexical Entries, plus HFP



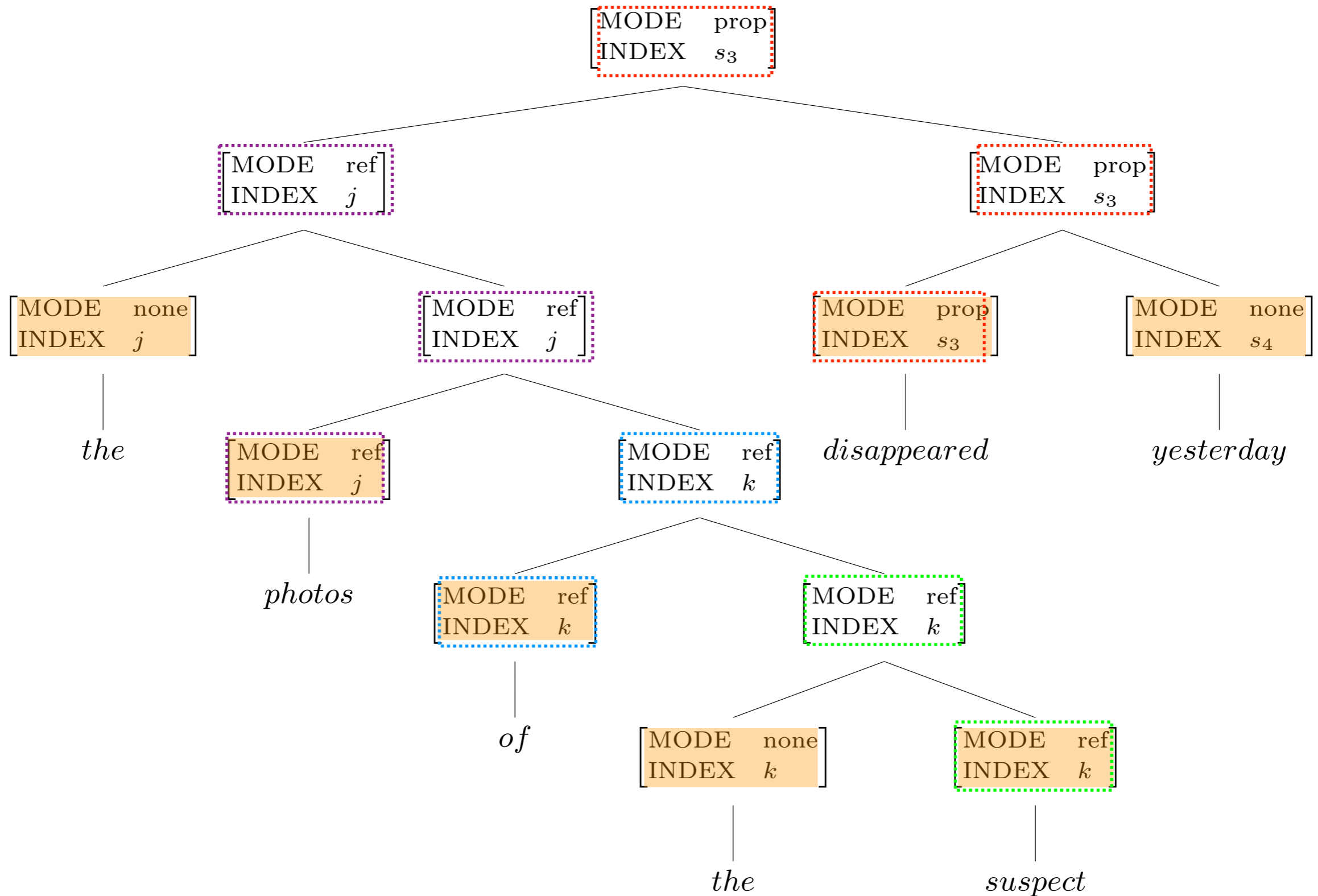
Valence Features: Lexicon, Rules, and the Valence Principle



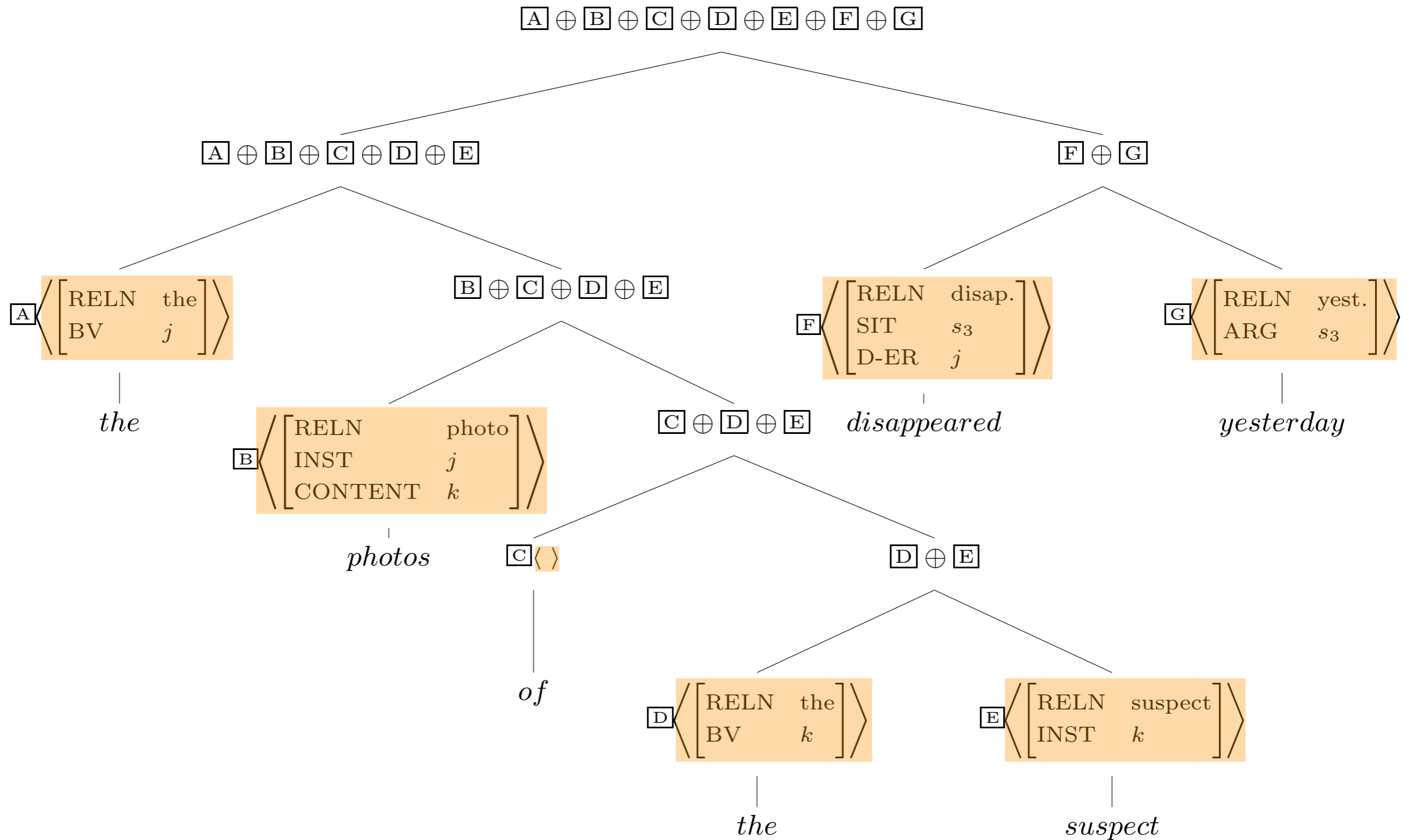
Required Identities: Grammar Rules



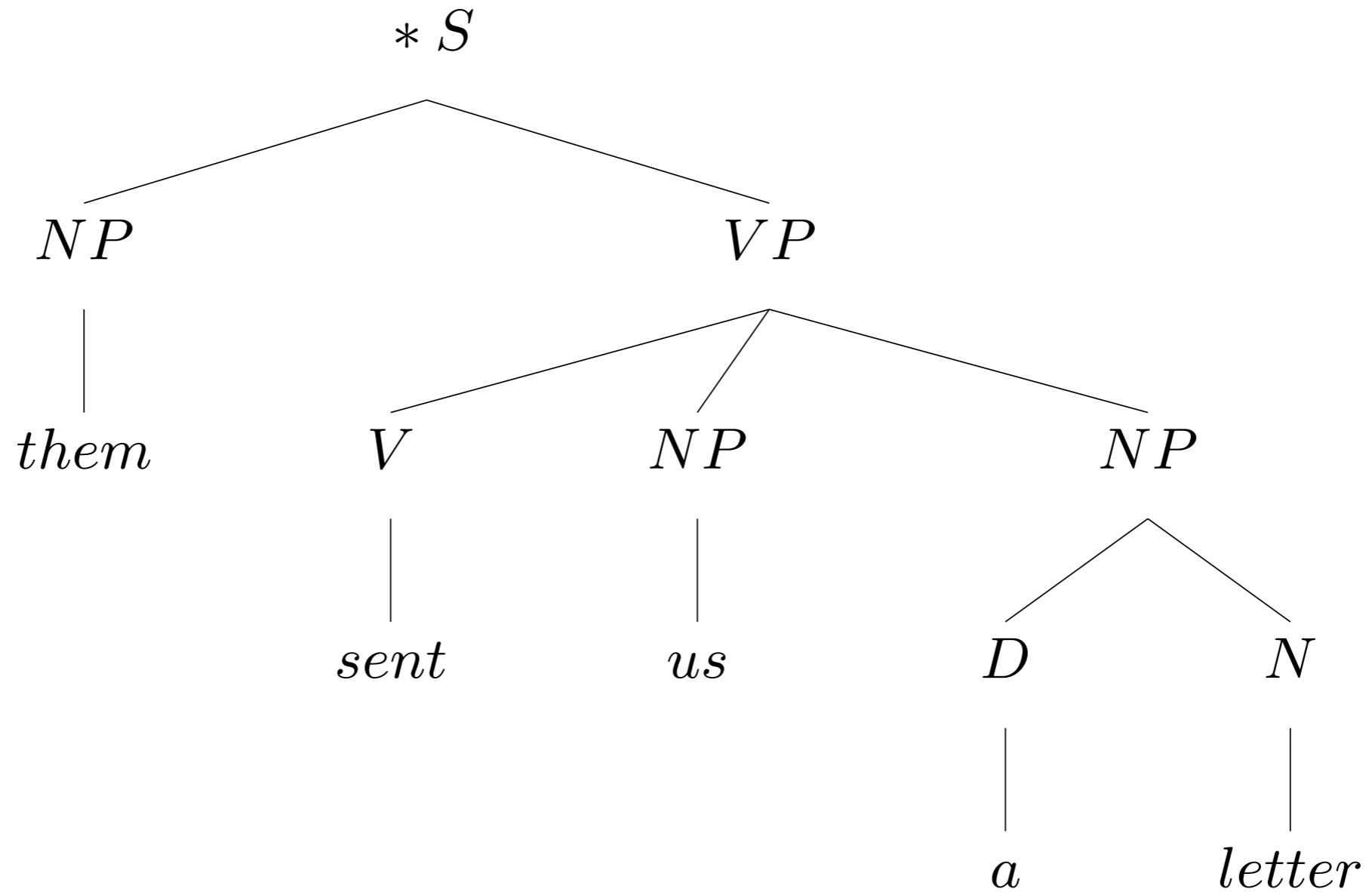
Two Semantic Features: the Lexicon & SIP



RESTR Values and the SCP

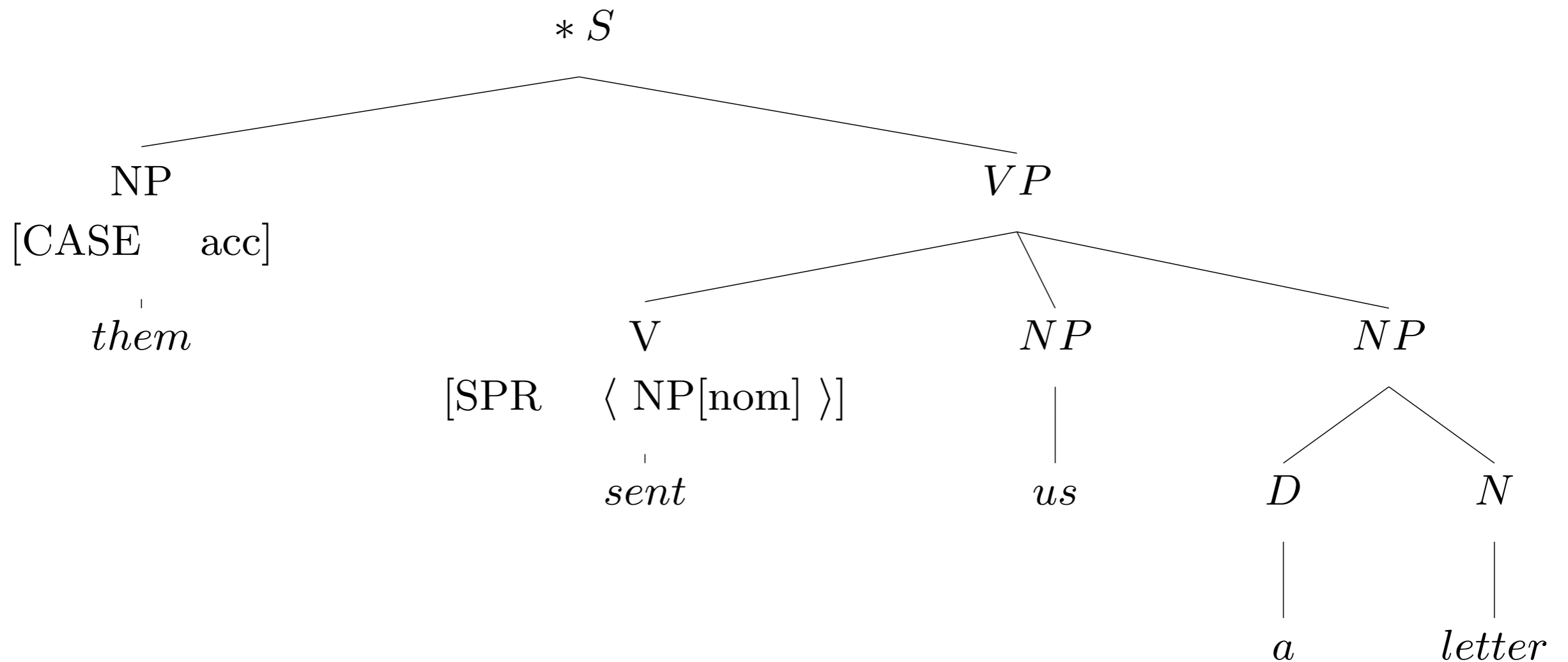


An Ungrammatical Example



What's wrong with this sentence?

An Ungrammatical Example

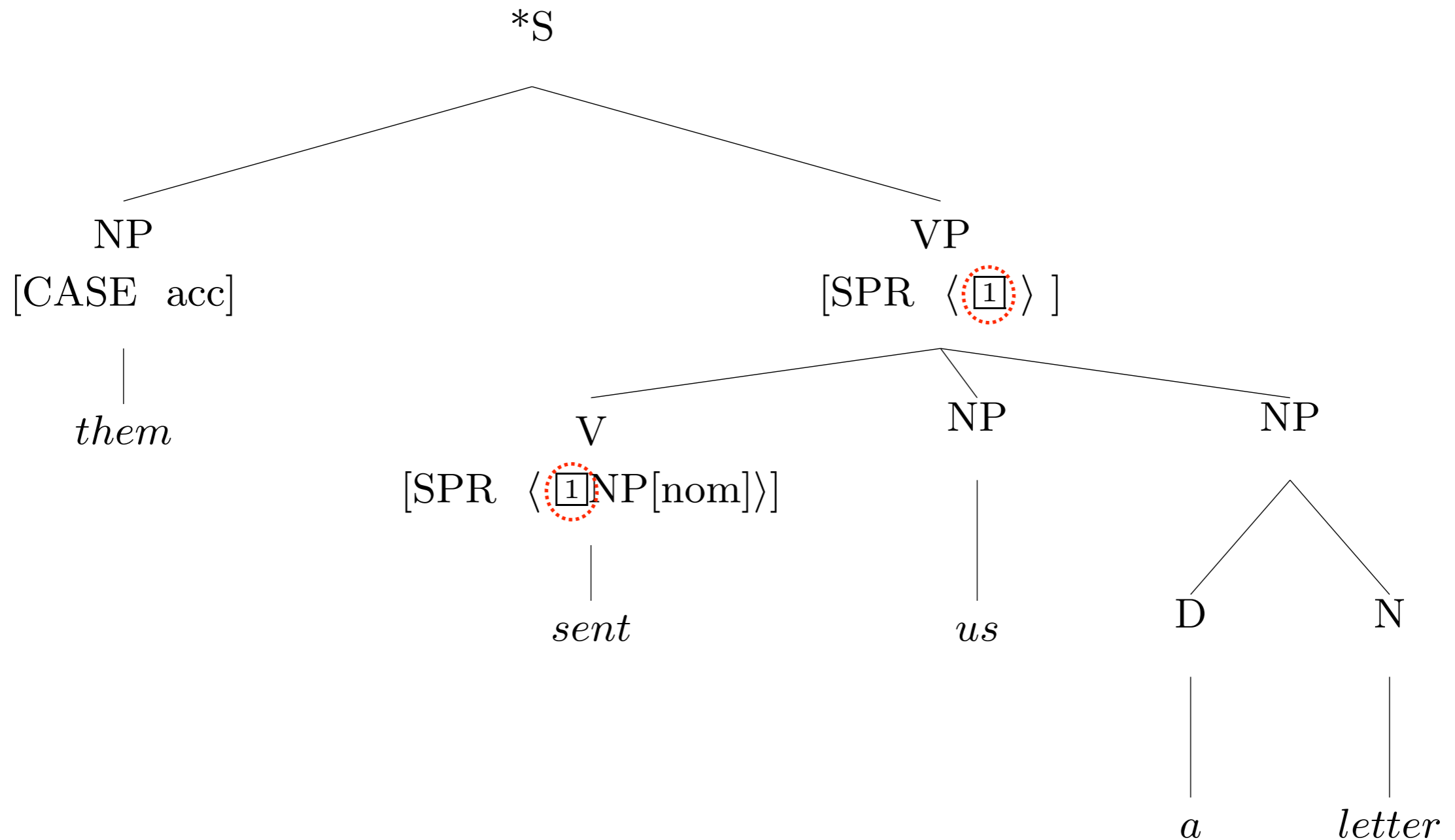


What's wrong with this sentence?

So what?

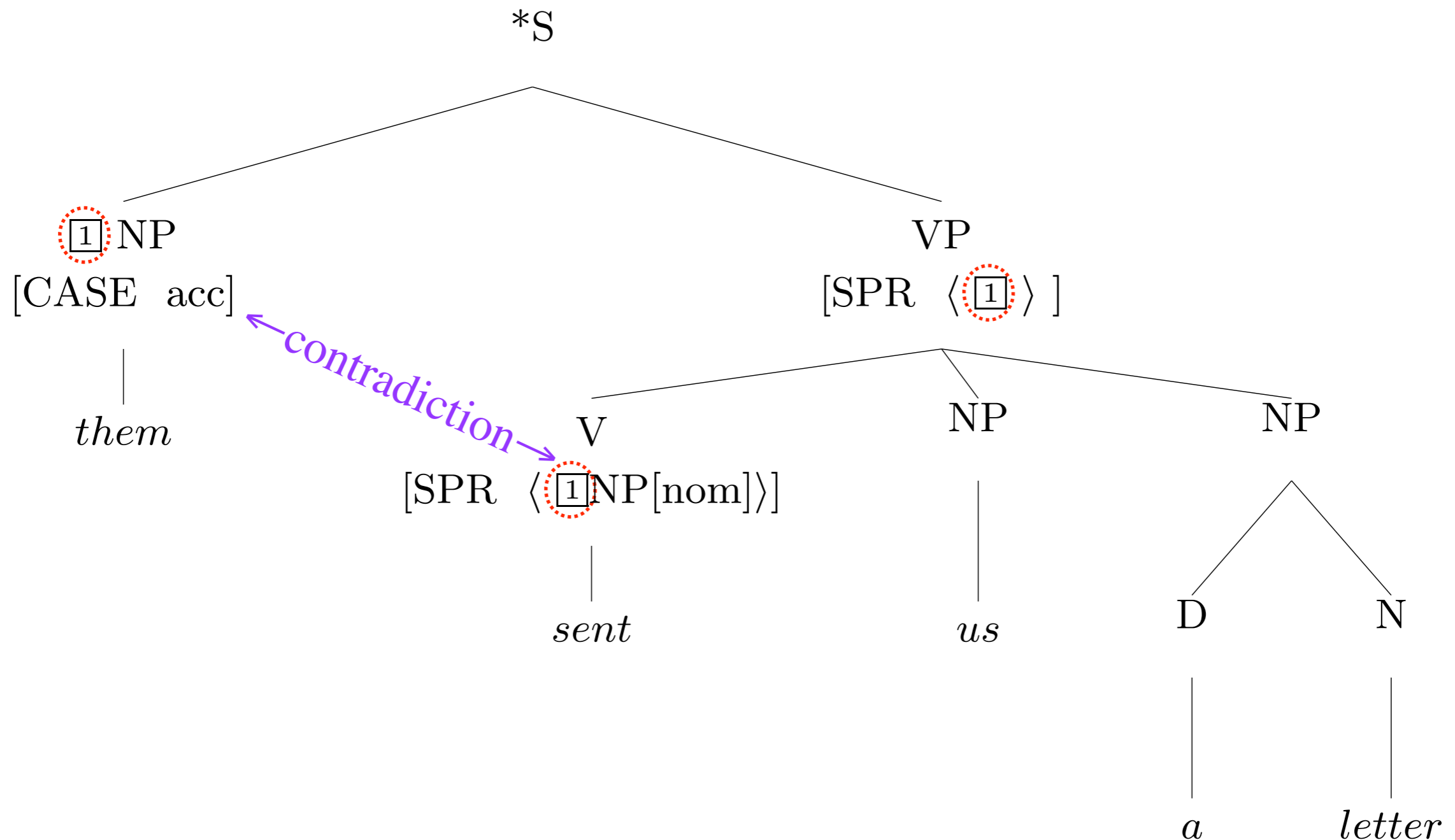
An Ungrammatical Example

The Valence Principle



An Ungrammatical Example

Head Specifier Rule



Exercise in Critical Thinking

- Our grammar has come a long way since Ch 2, as we've added ways of representing different kinds of information:
 - generalizations across categories
 - semantics
 - particular linguistic phenomena: valence, agreement, modification
- What else might we add? What facts about language are as yet unrepresented in our model?

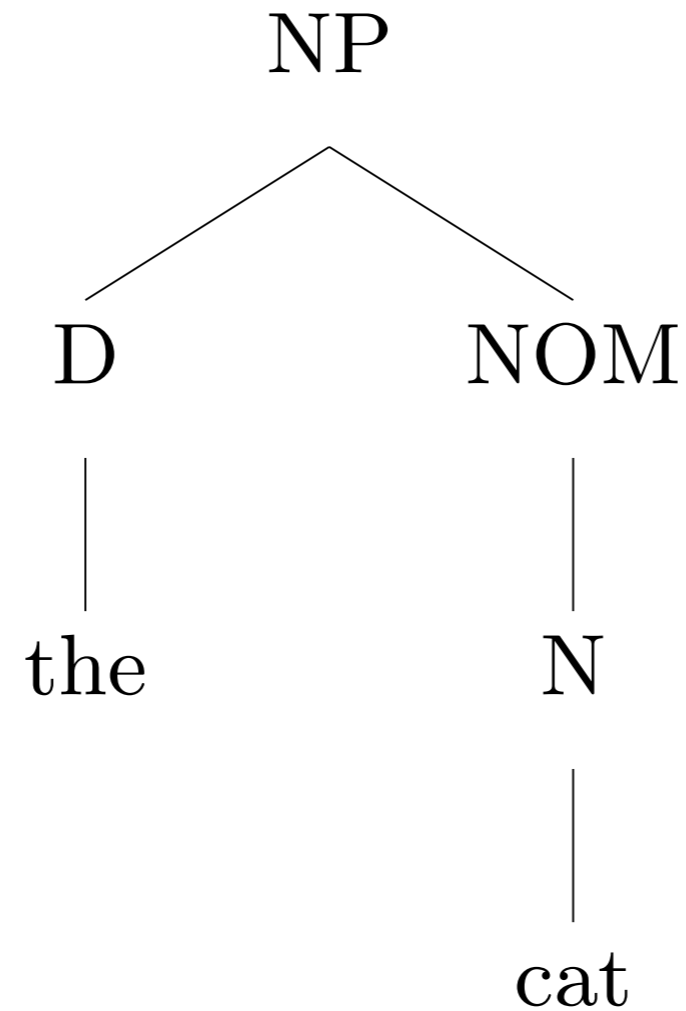
Homework tips/requests

- Type whenever possible
- Answer each part of each question separately
- Be sure to answer each part of each question, and follow the directions!
- Look over the problems early and ask questions
- Check your work
- Monitor GoPost
- **WORK TOGETHER**

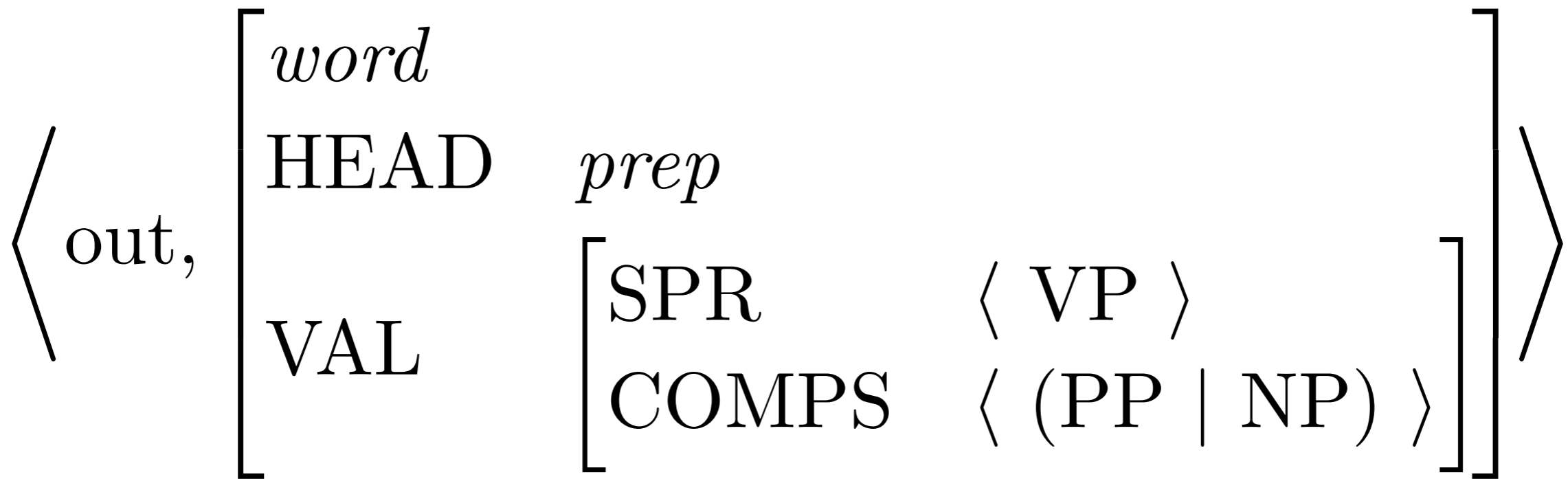
SPR value on AP/PP?

- Kim grew fond of baseball.
- Kim and Sandy ate lunch in the park.
- Kim and Sandy are in the park.

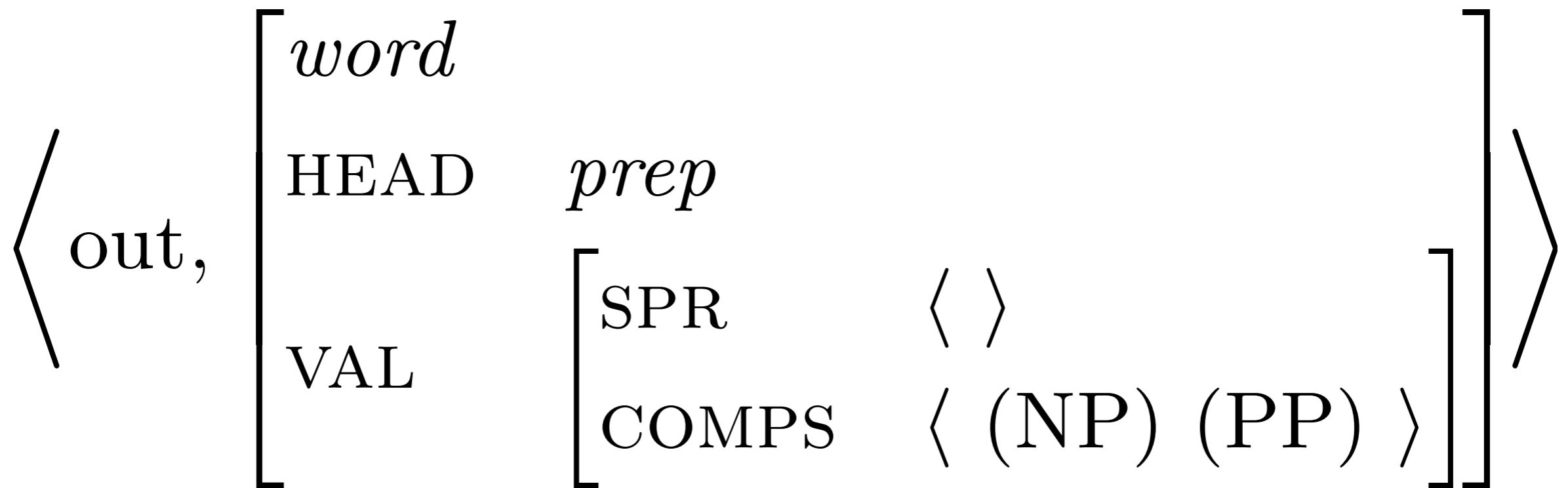
Which grammar does this tree go with?



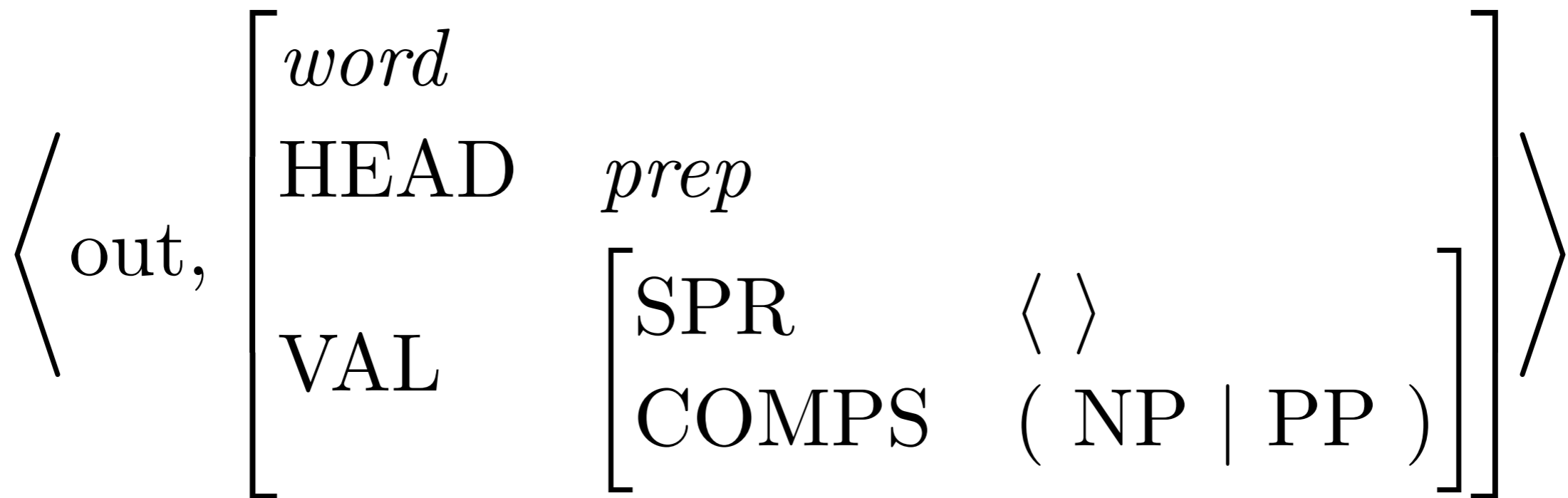
What's wrong with this?



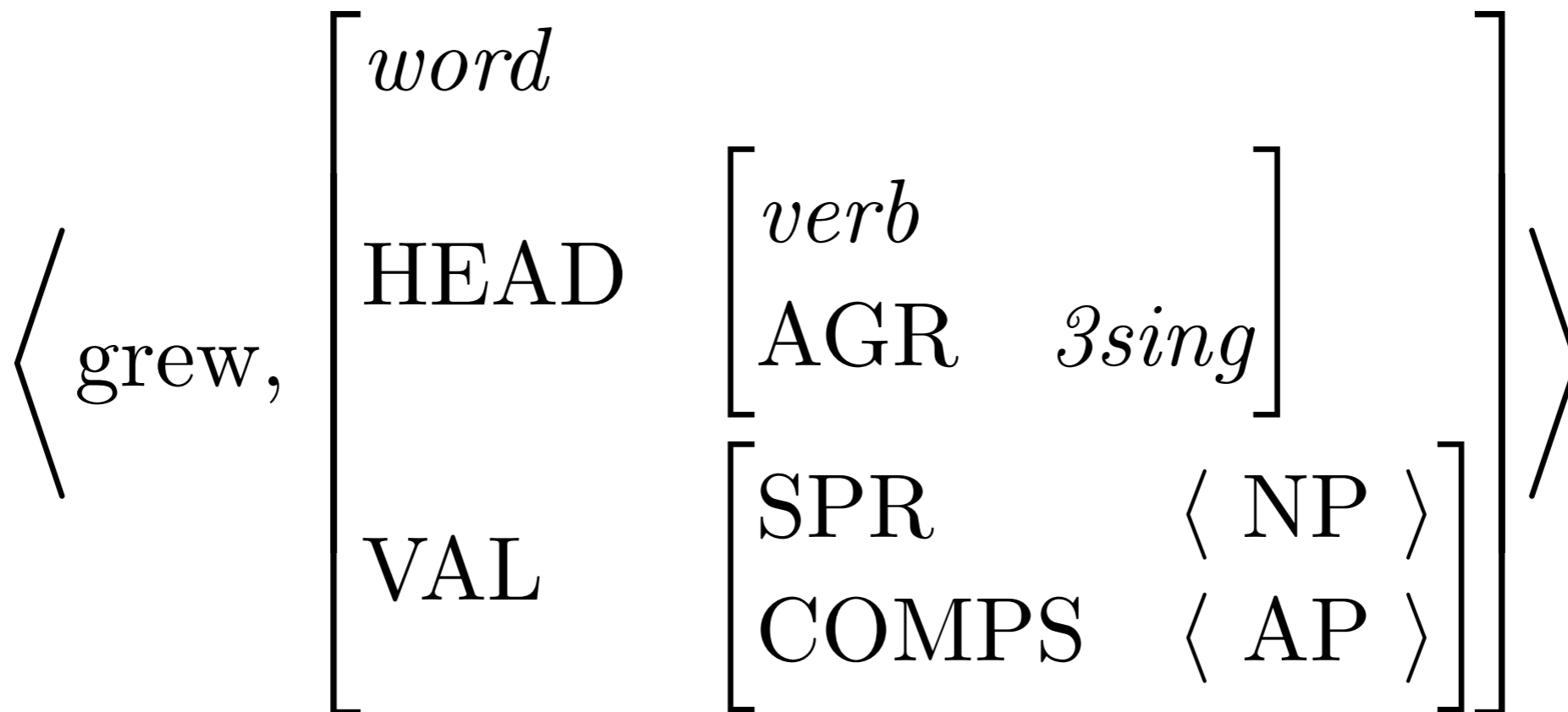
What's wrong with this?



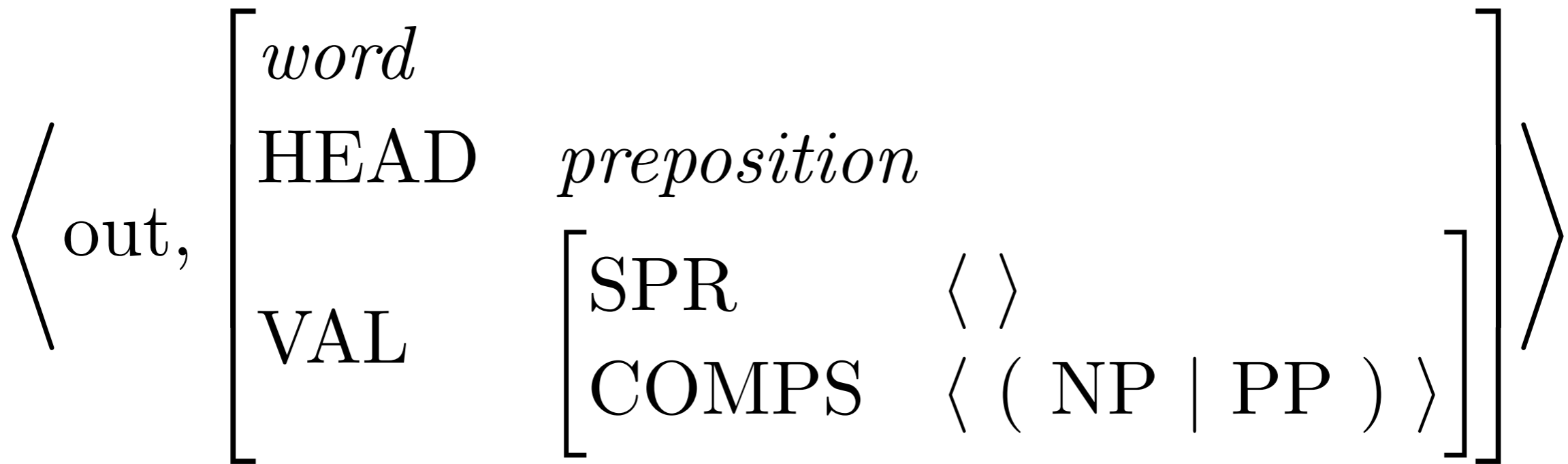
What's wrong with this?



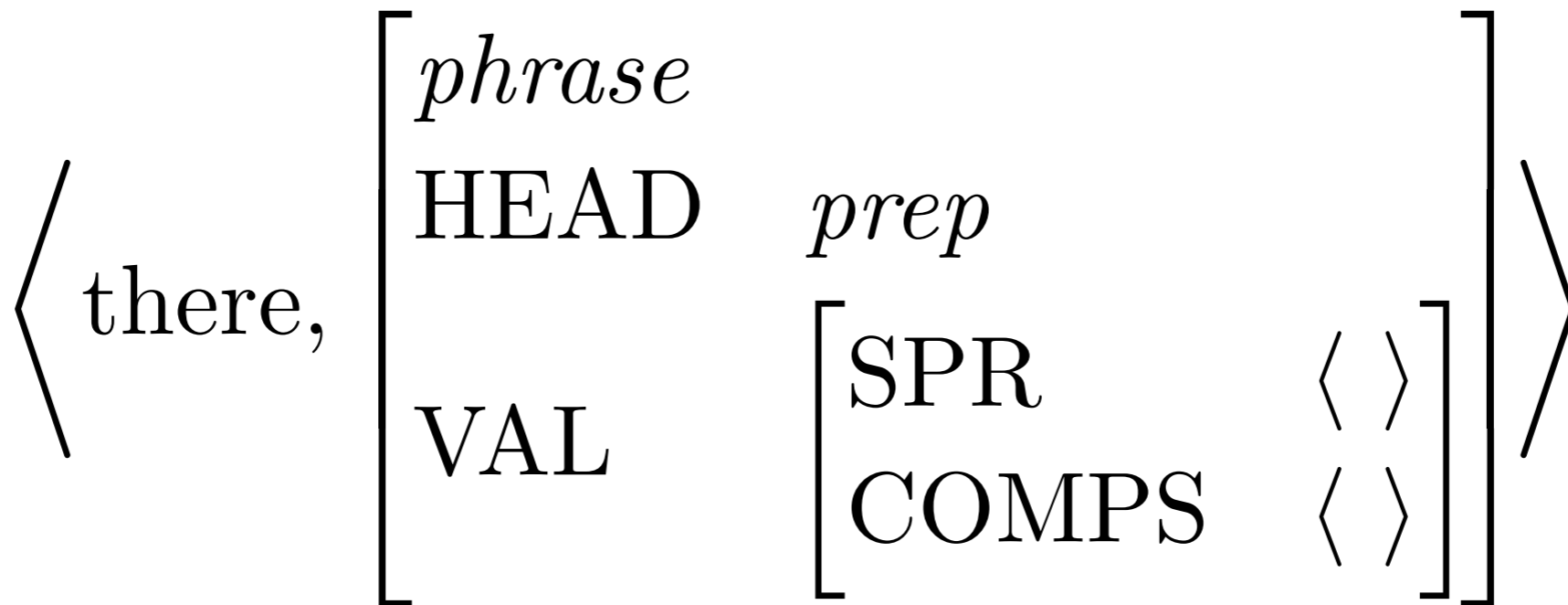
What's wrong with this?



What's wrong with this?



What's wrong with this?



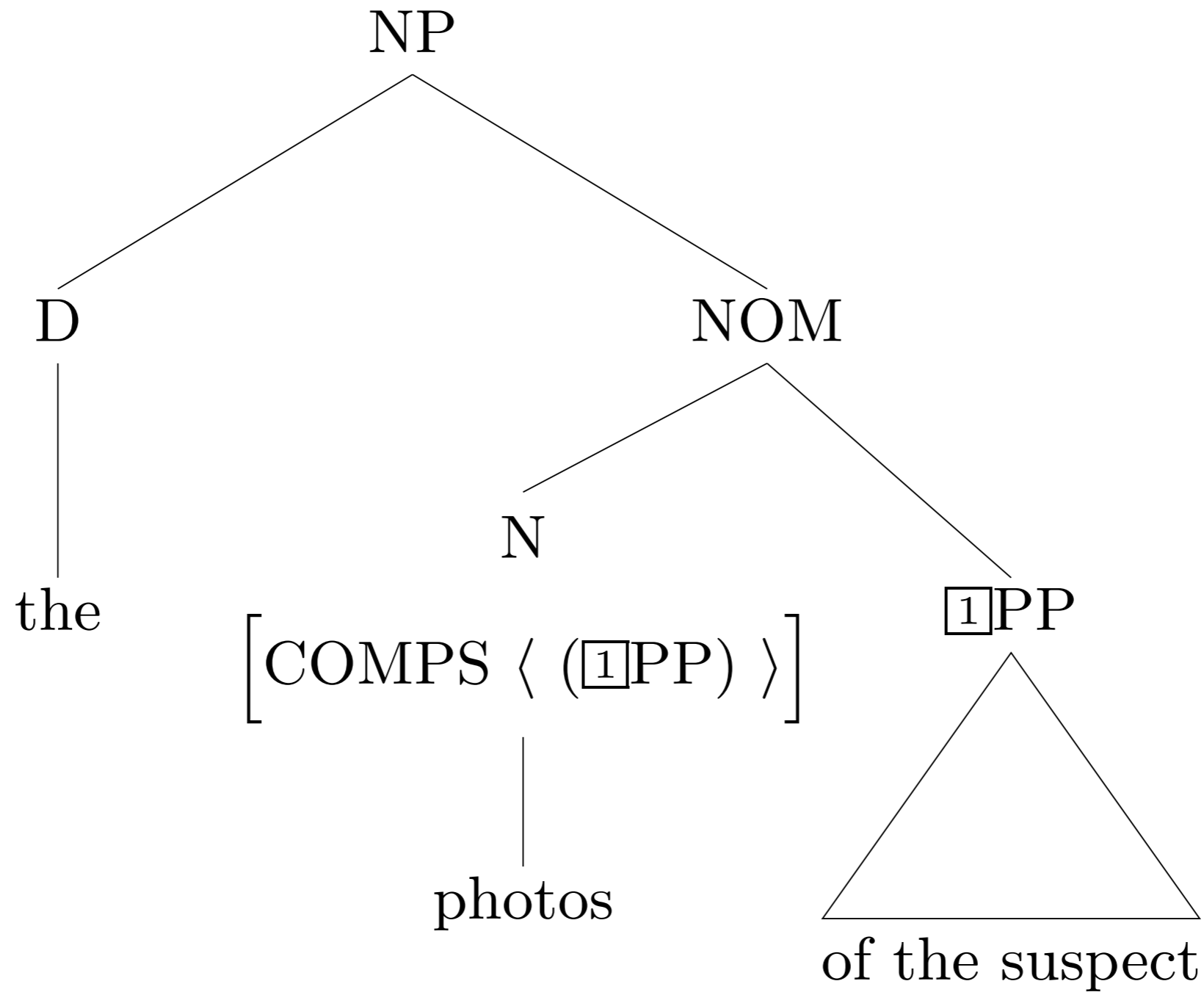
Tags & lists

- What's the difference between these two?

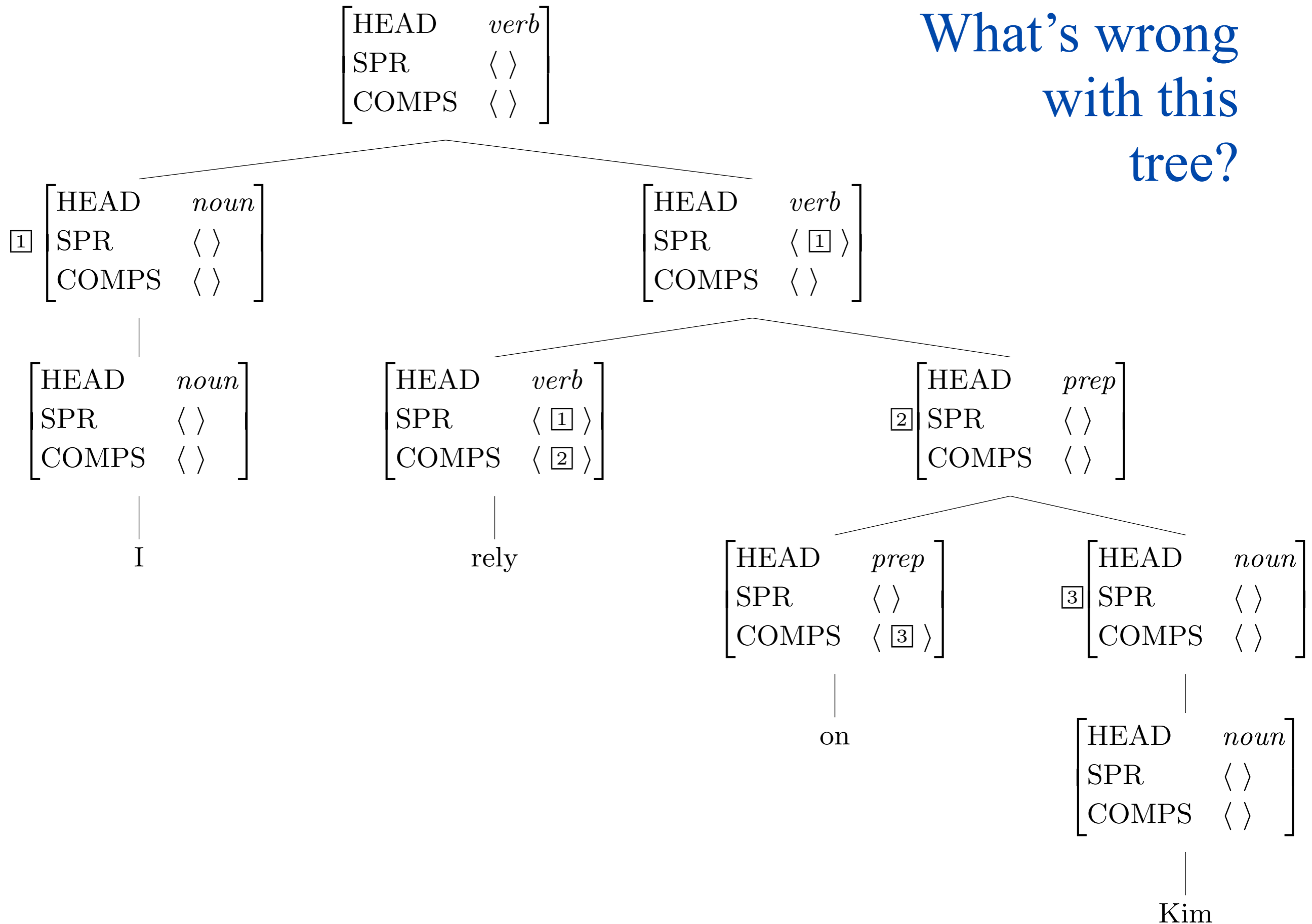
$$\left[\text{SPR} \quad \boxed{1} \langle \text{NP} \rangle \right]$$
$$\left[\text{SPR} \quad \langle \boxed{1} \text{NP} \rangle \right]$$

- When does it matter?

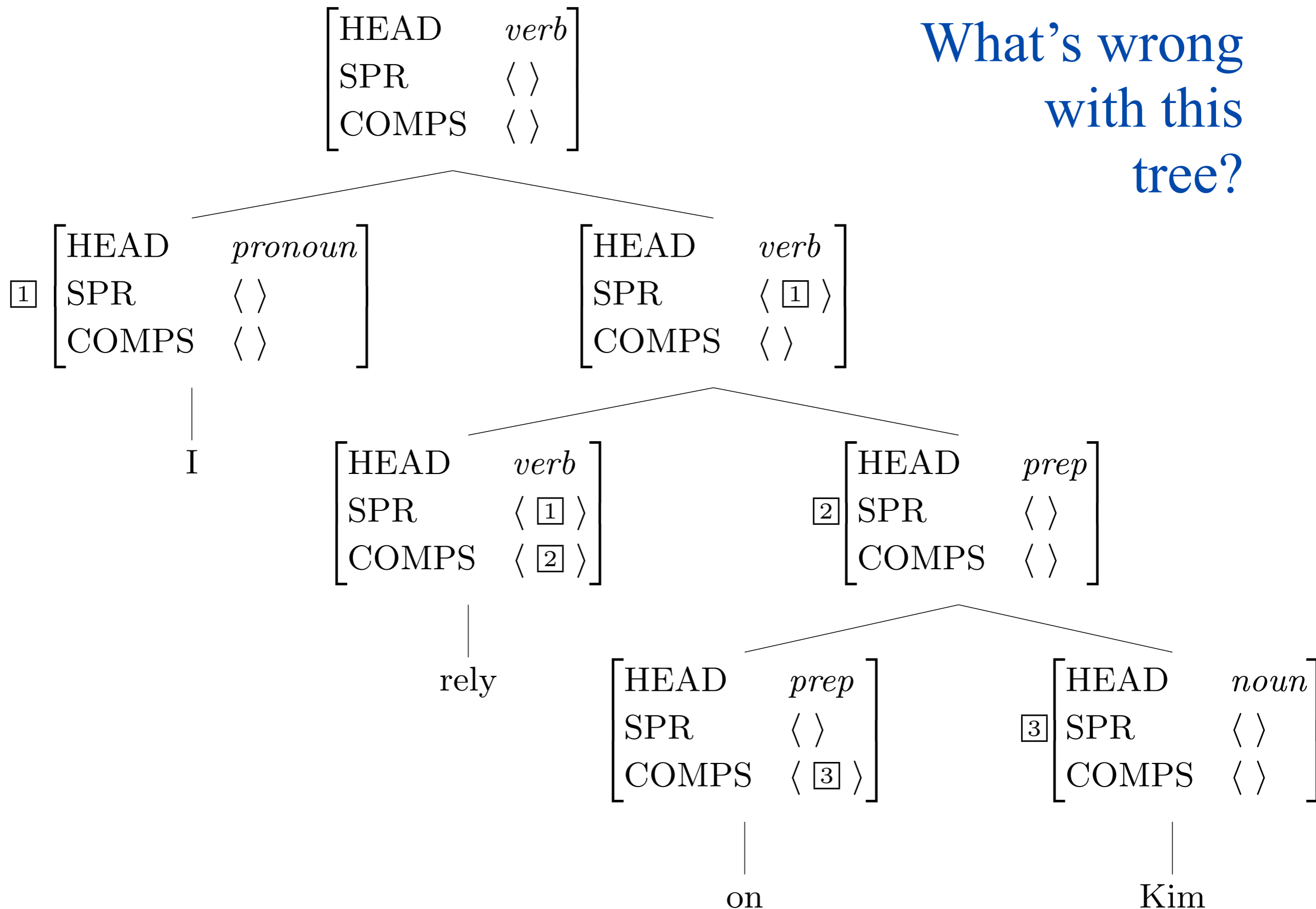
What's wrong with this tree?



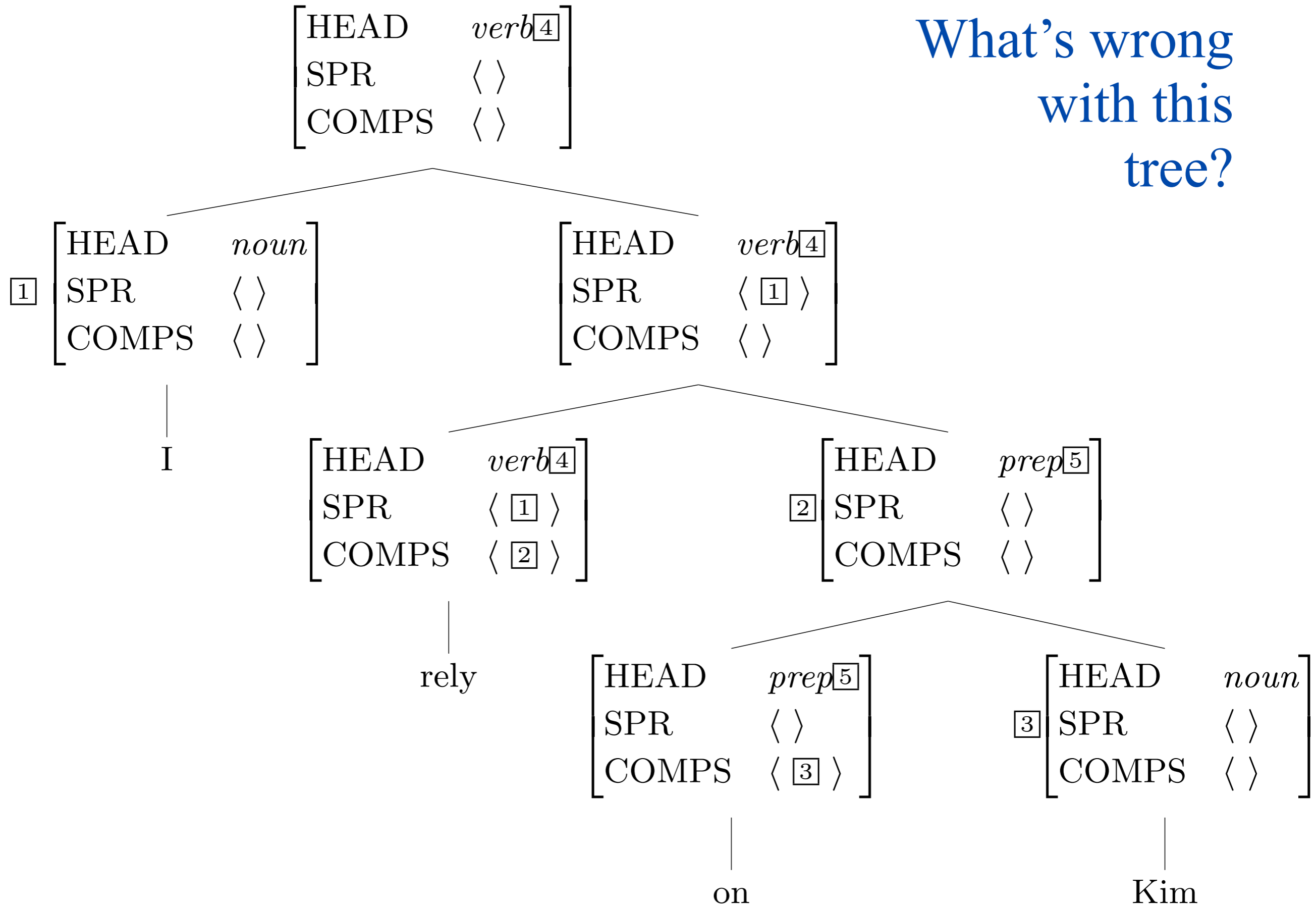
What's wrong
with this
tree?



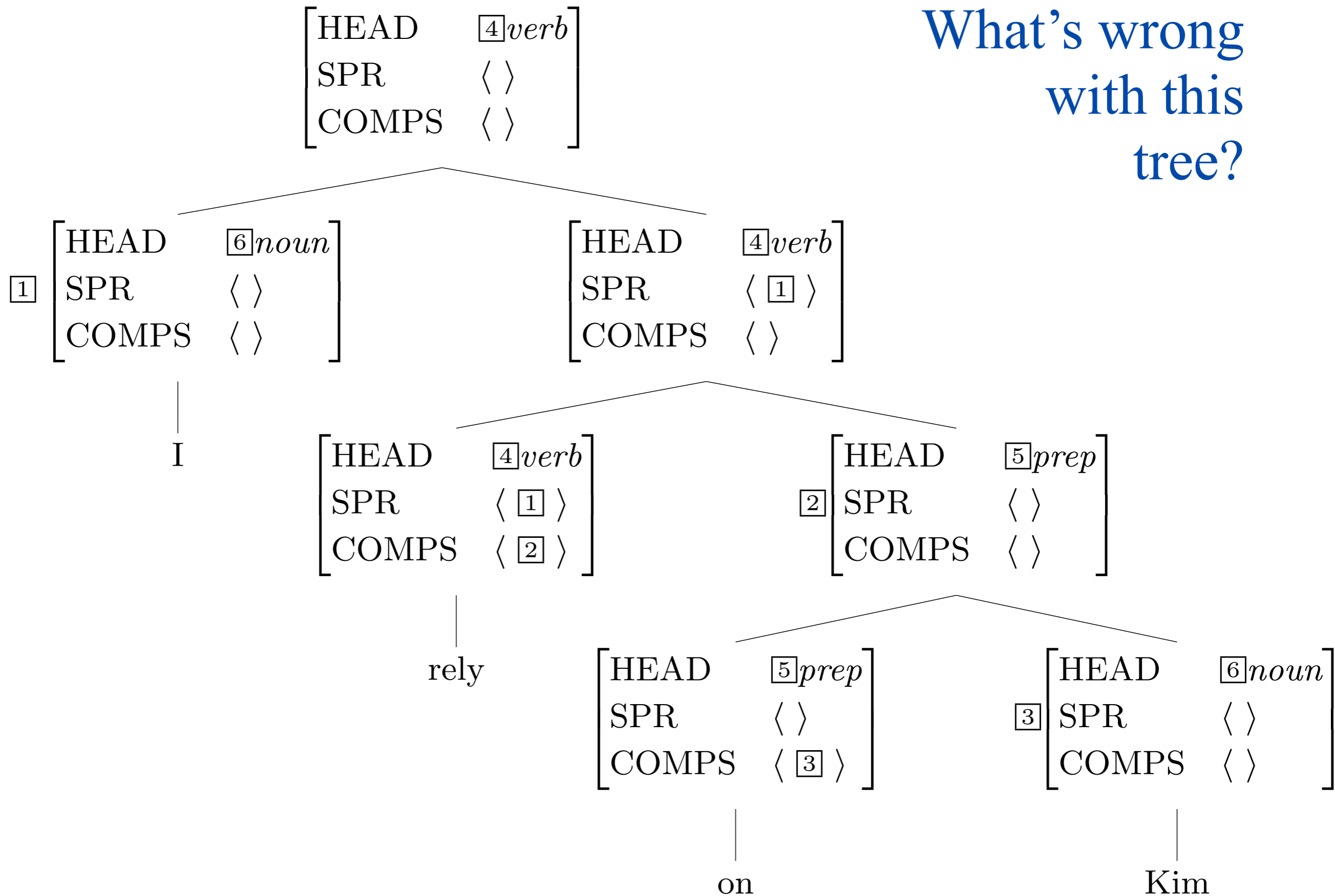
What's wrong
with this
tree?



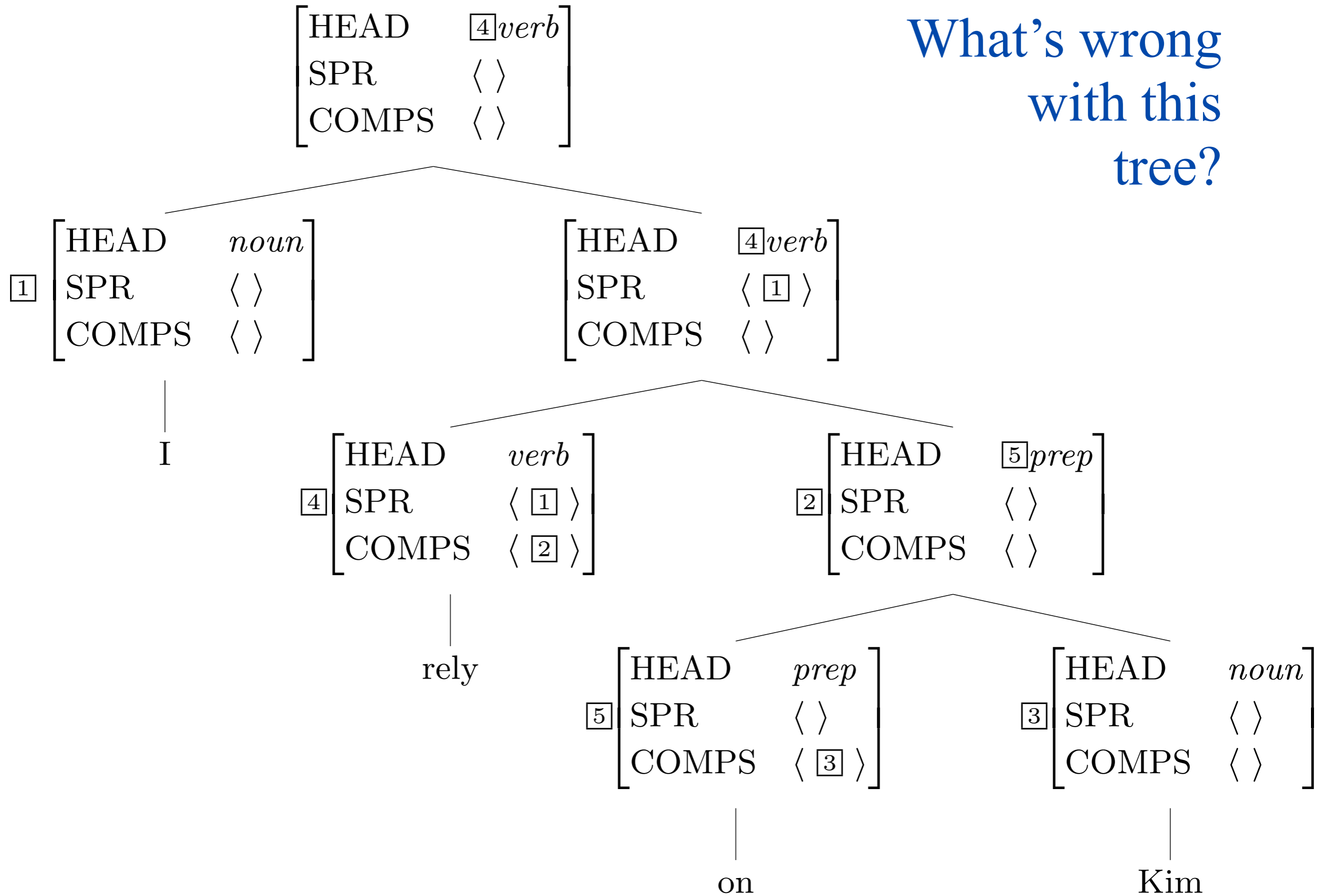
What's wrong
with this
tree?



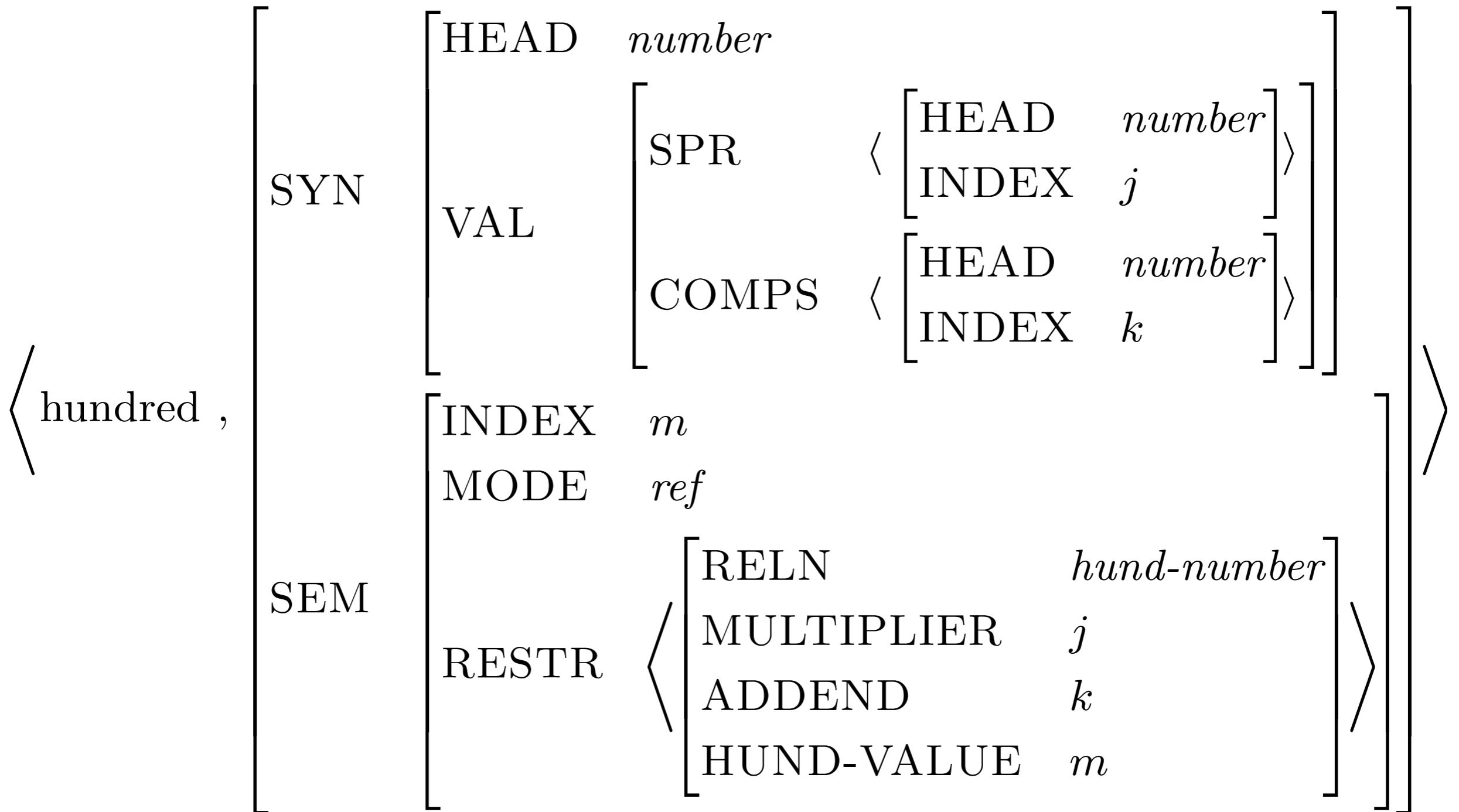
What's wrong
with this
tree?



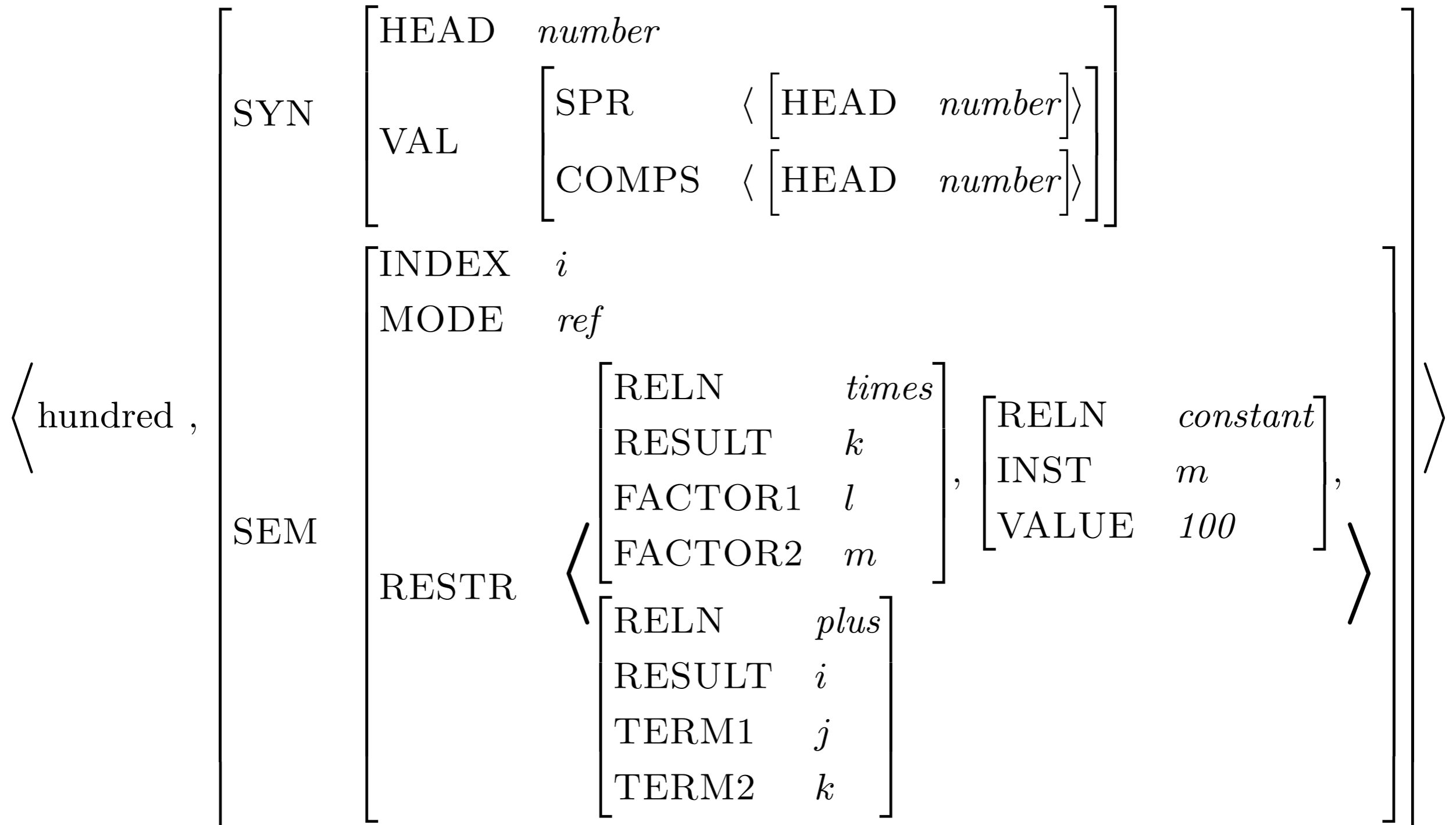
What's wrong
with this
tree?



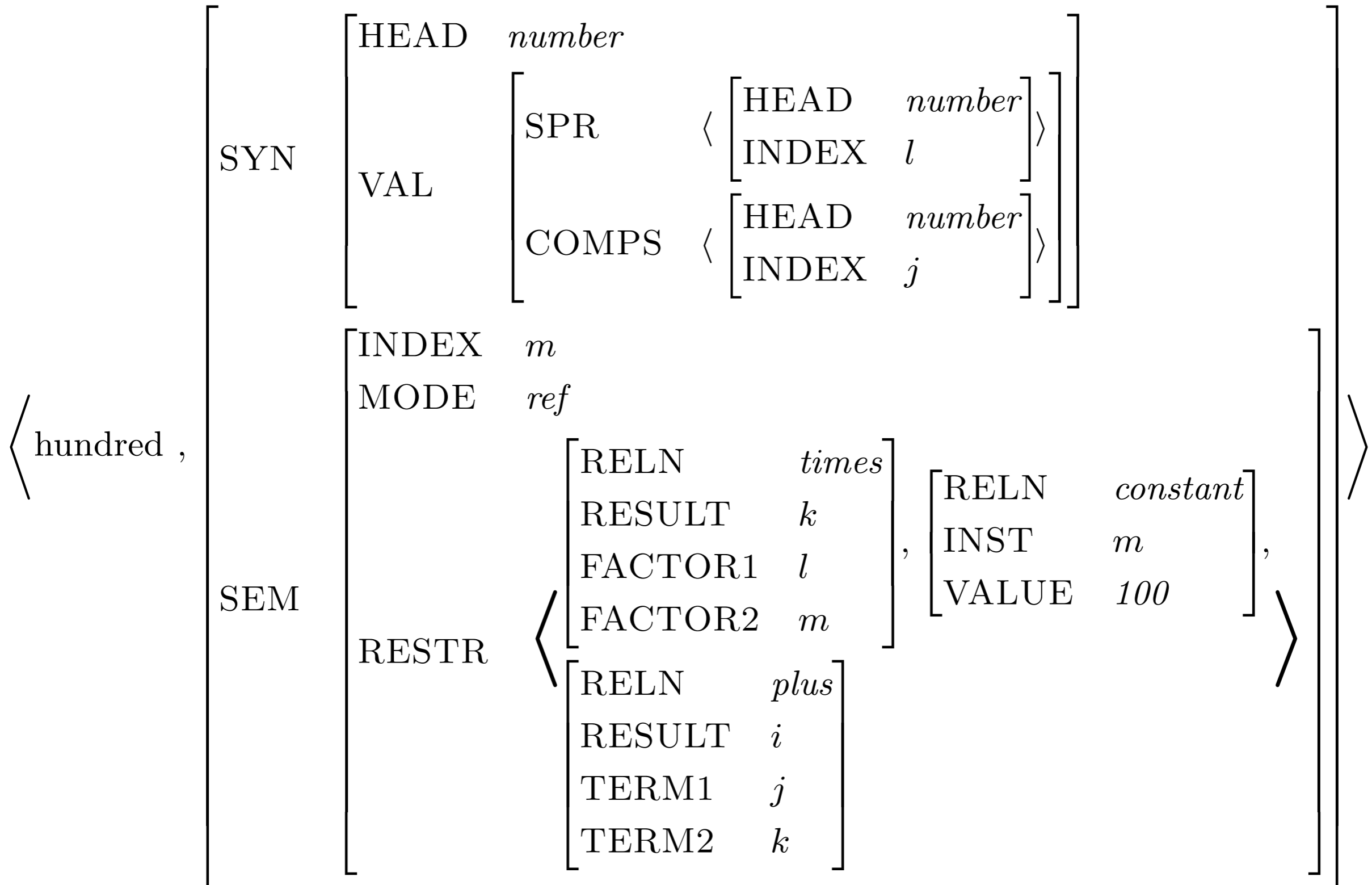
What's wrong with this?



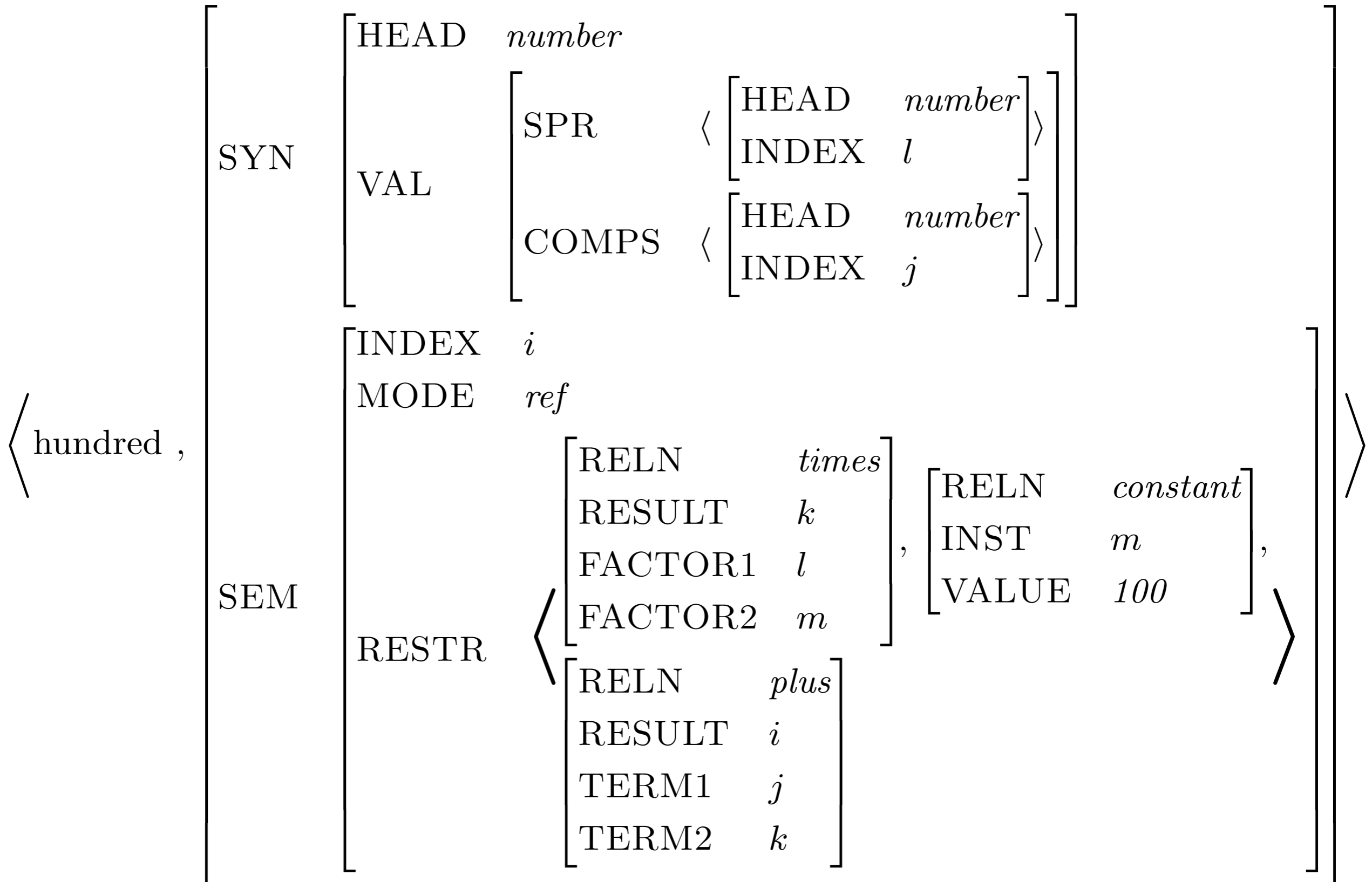
And this?



How about this?



Better version



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?

Overview

- Information movement in trees
- Exercise in critical thinking
- Homework tips
- SPR and COMPS
- Technical details (lexical entries, trees)
- Analogies to other systems you might know
- Your questions...