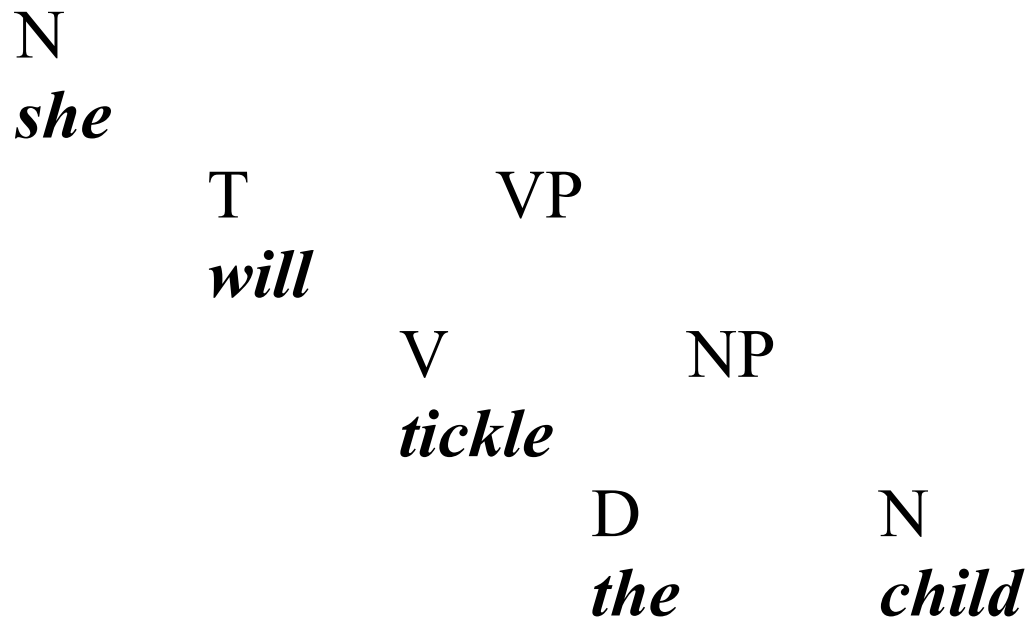
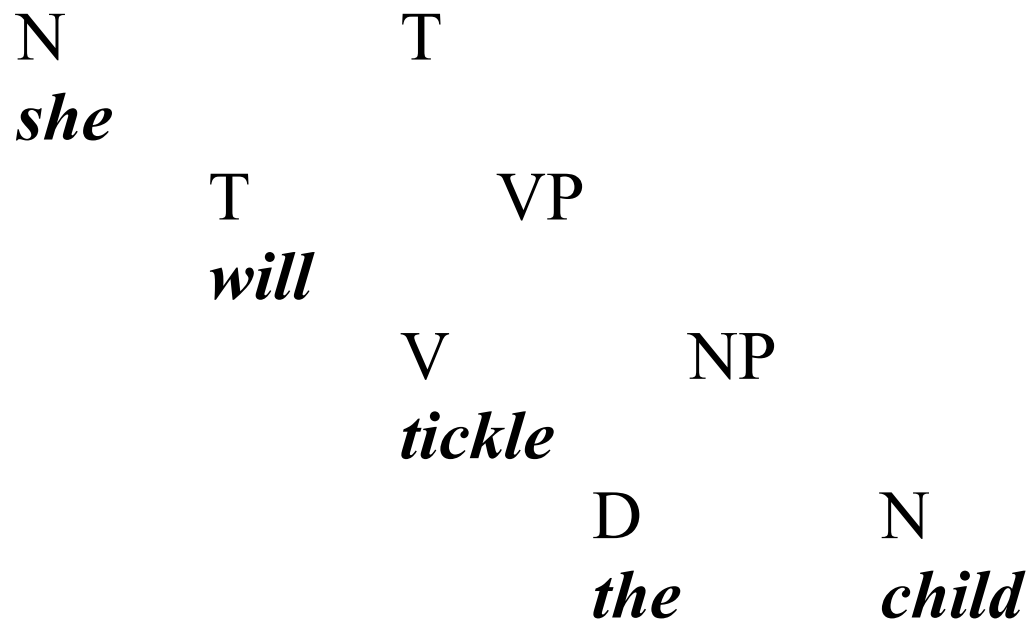


Syntax 3

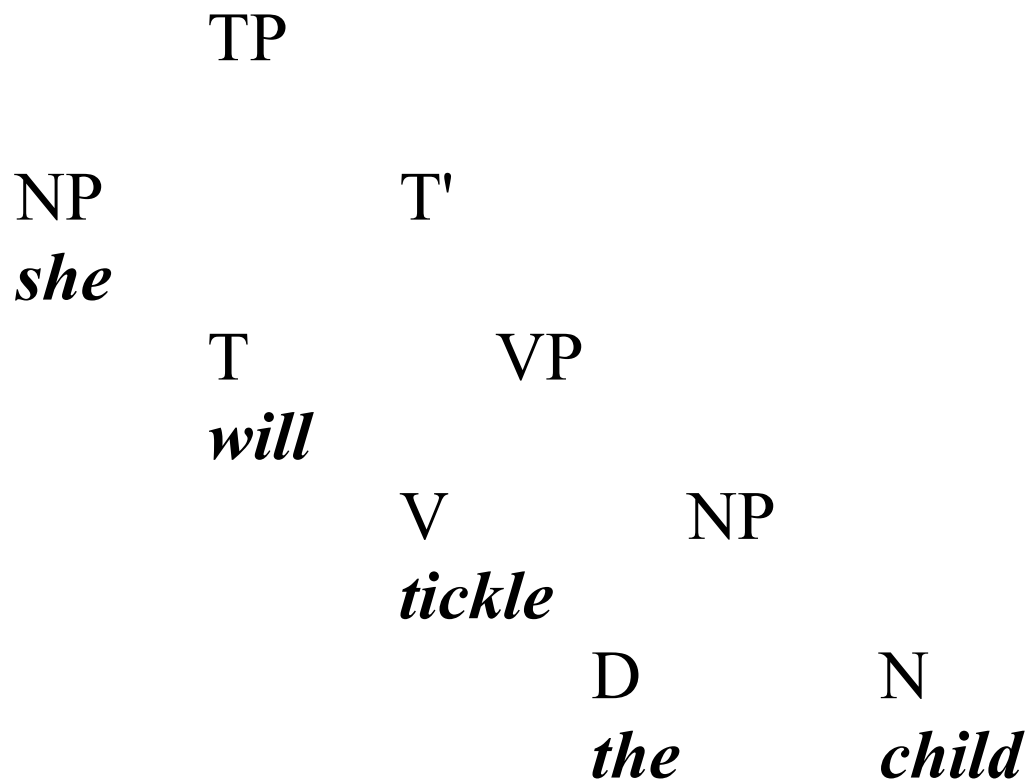
last time, we started drawing trees for sentences...



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...and then Merge N(P) with the result"



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and people said, "wait, why not do it in the other order?"

TP

NP
she

T' N
she

T
will

VP

T
will

VP

V
tickle

NP

V
tickle

NP

D
the

N
child

D
the

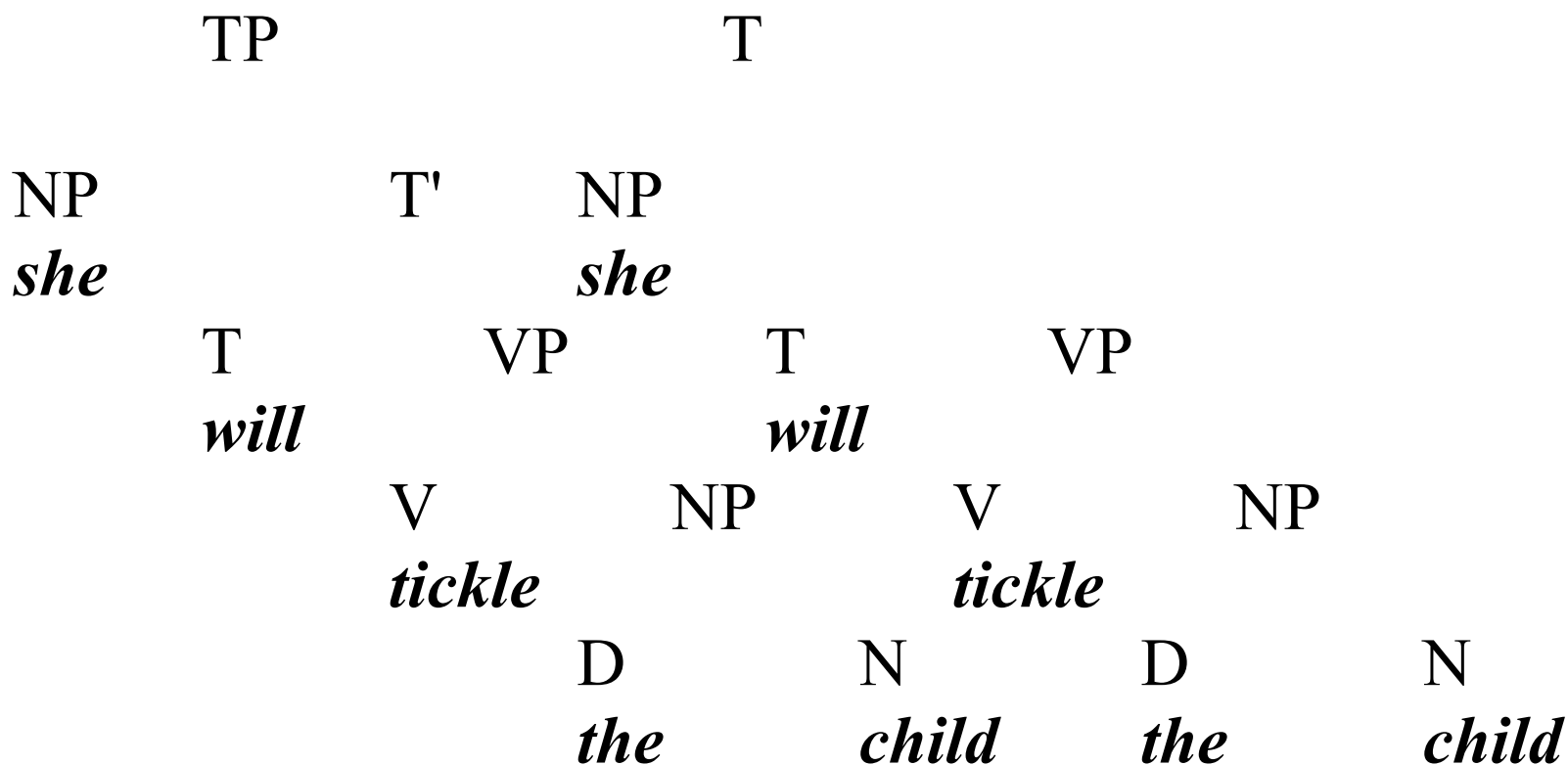
N
child

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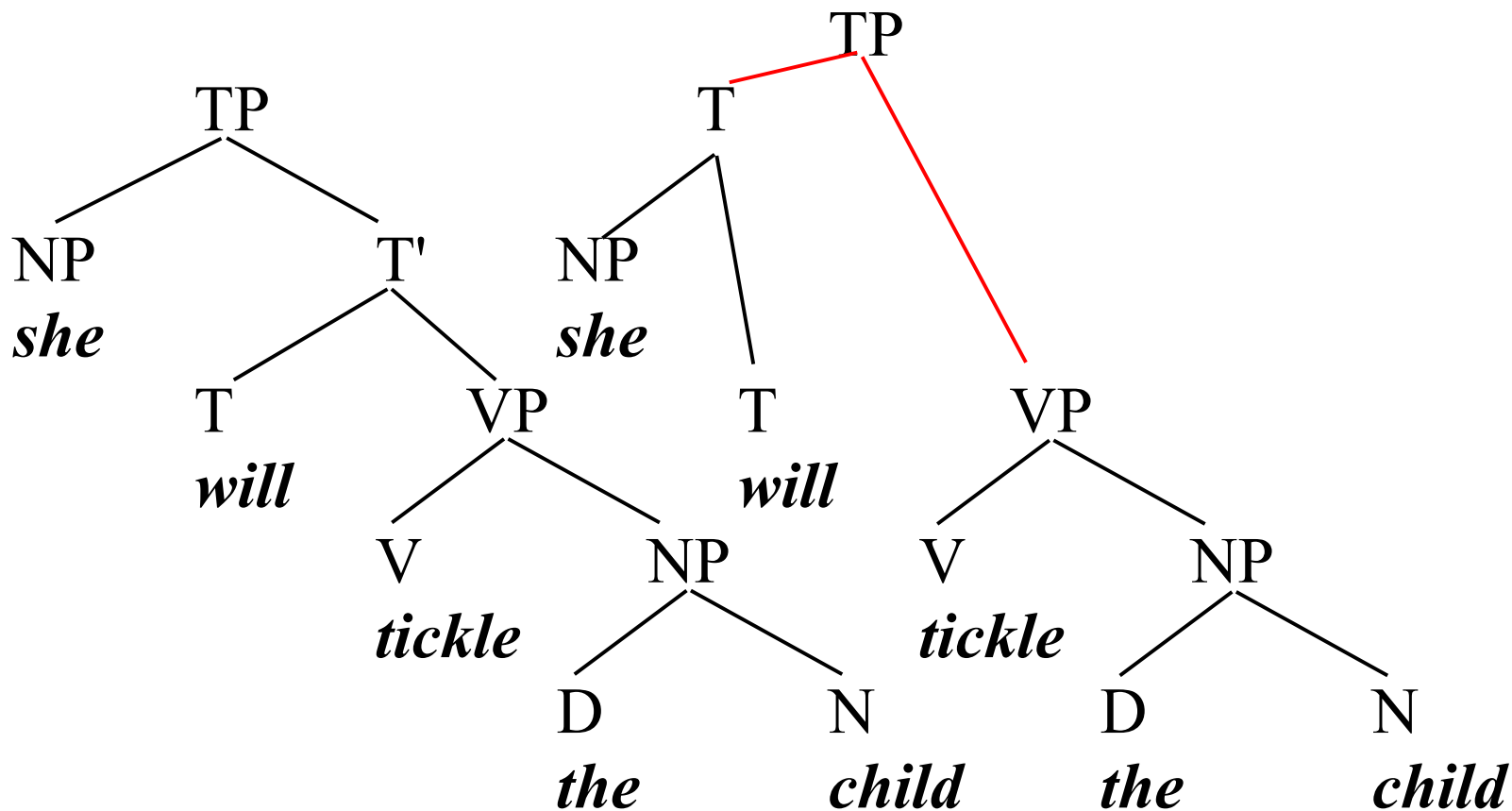


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some data:

She would recognize **Mary**

Anyone who knows **her** would recognize **Mary**

some data:

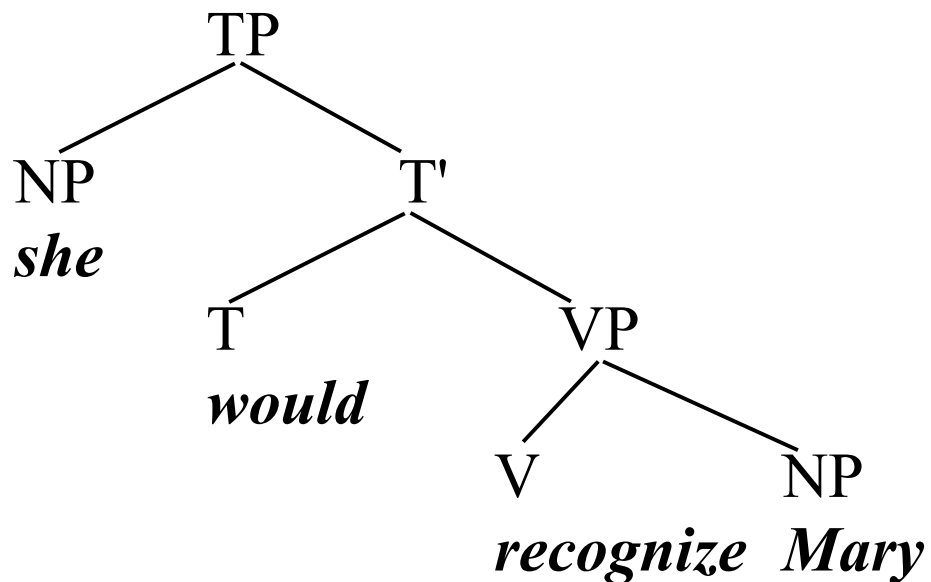
She would recognize **Mary**
(*she* \neq *Mary*)

Anyone who knows **her** would recognize **Mary**
(*she* can be *Mary*)

some data:

She would recognize **Mary**
(*she* ≠ *Mary*)

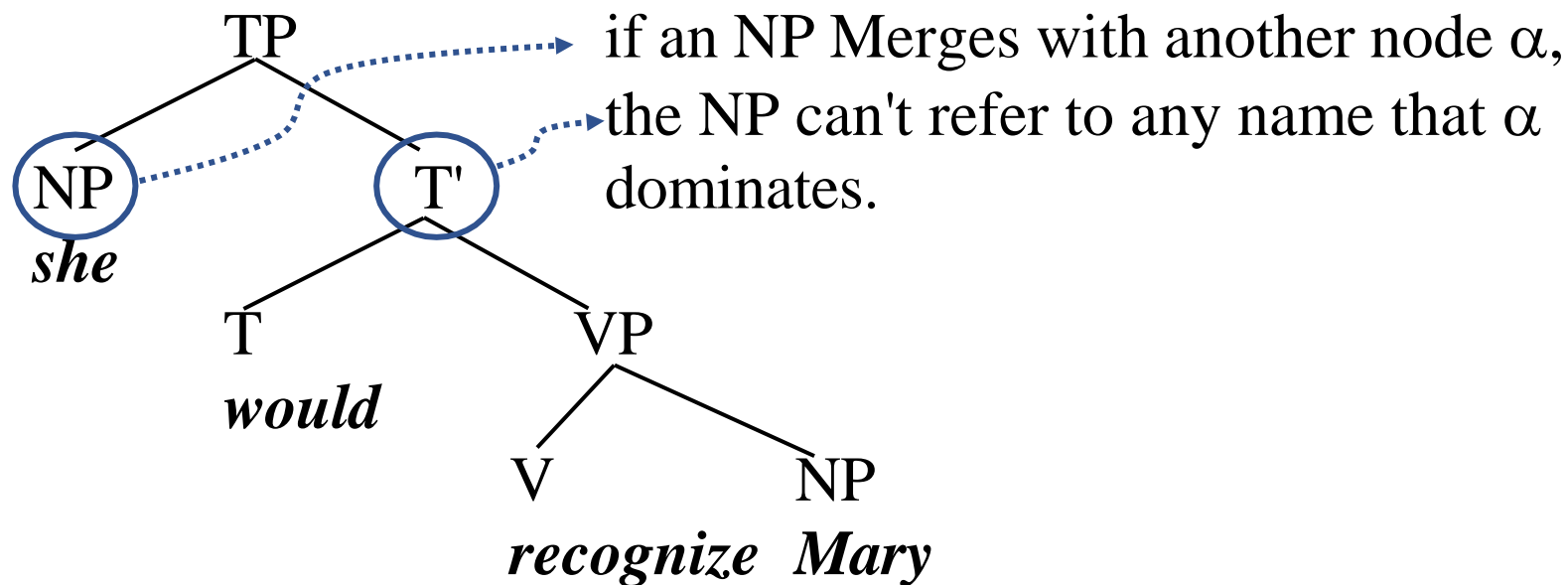
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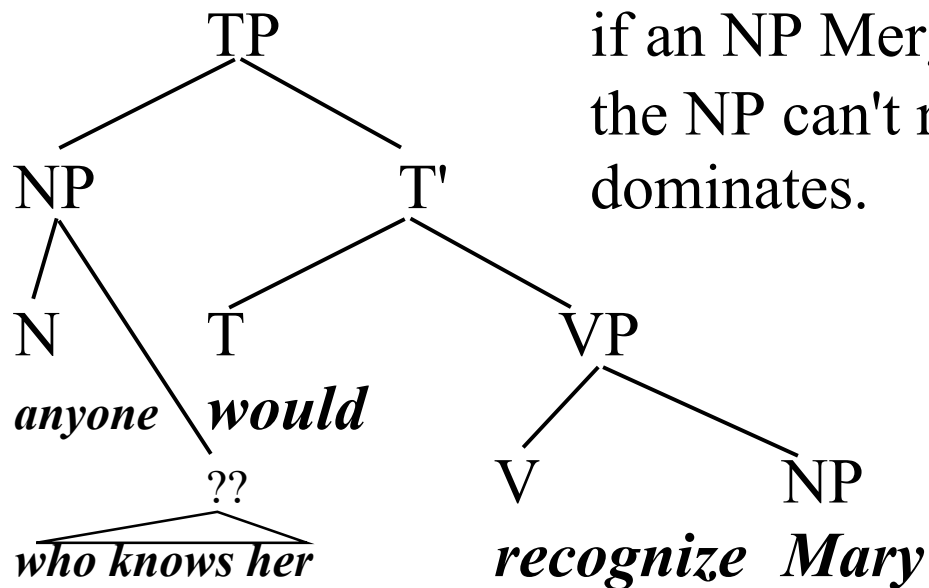
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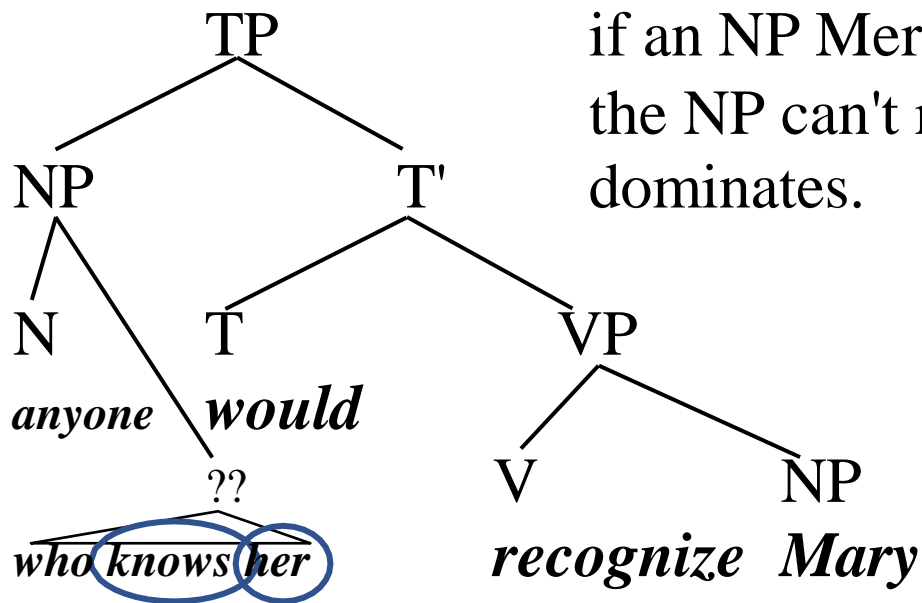
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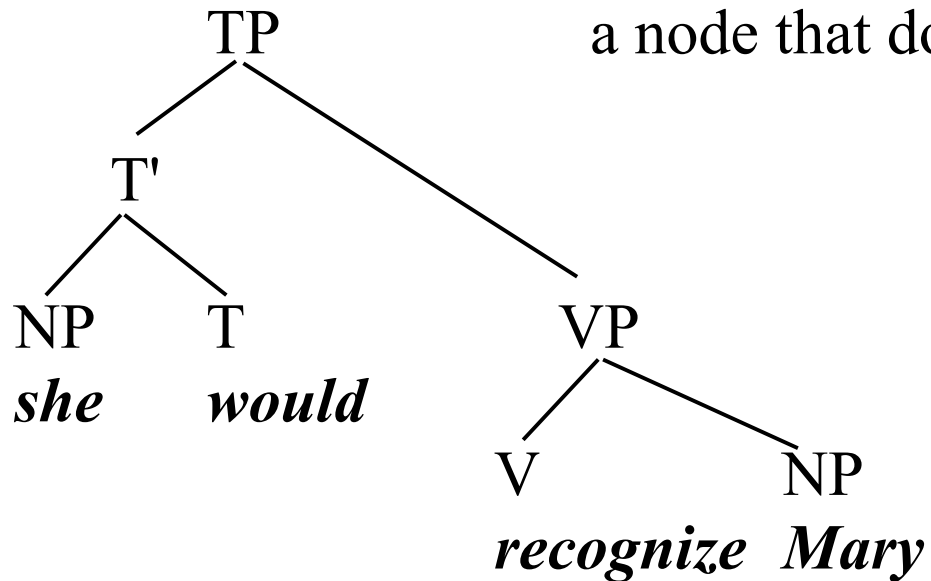
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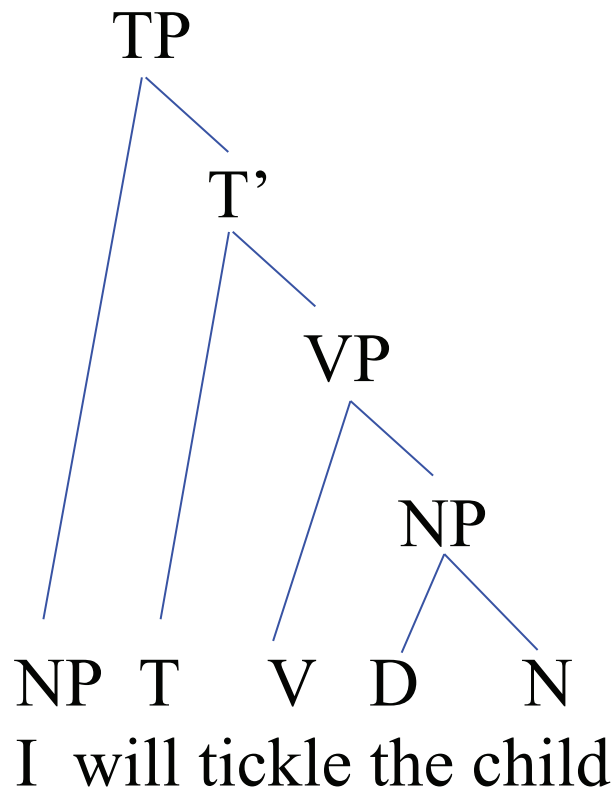


The alternative way of drawing trees wouldn't let us use this explanation:

here, the NP *she* isn't Merged with a node that dominates *Mary*.



terminology break:



- T and VP are **sisters**
- VP is the **mother** of V and NP.
- VP **immediately dominates** V and NP.
- VP **dominates** V, NP, D, and N.
- α is a **constituent** if all and only the words in α are dominated by a single node.

Are we missing something?

The ants **thrived**.

The anteater **arrived**.

The anteater **devoured** the ants.

Mary **slapped** the anteater.

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→ classic observation: some verbs are transitive, others intransitive.

Are we missing something?

The ants **thrived**.

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The anteater **put** the ants
onto a plate.

*The ants **thrived** the ant-farm.

*The anteater **arrived** the anthill.

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*Mary **slapped**.

*The anteater **put** the ants.

*The anteater **put**
onto a plate.

→ classic observation: some verbs are transitive, others intransitive...

...and some require not only an object but also a PP.

Are we missing something?

Yes. Selection: verbs *select for* things they want in their VP.

Parallel to observations in morphology like “*-able* needs to combine with a verb.” Verbs specify what they need to undergo Merge with.

"put" • pronounced "put"
• means "cause to be in a place"
• selects for an NP and a PP

We can actually be a little more specific about how selection works...

We all **depend** *on* the sun.

* *from/at/near/by...*

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and there are imaginable kinds of selection that you never get:

She put them (**right/directly**) **under** the tree.

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and there are imaginable kinds of selection that you never get:

She put them **(right/directly) under** the tree.

She glorphed them ***(right/directly) under** the tree.

→ there is no *glorph*: you can have a verb that selects for a PP with a certain kind of head (e.g., *depend*), but not a verb that selects for a PP with a certain kind of modifier (like ‘right’ or ‘directly’).

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Once we recognize this, we can start using it as a way to
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I think **that** I have won the lottery

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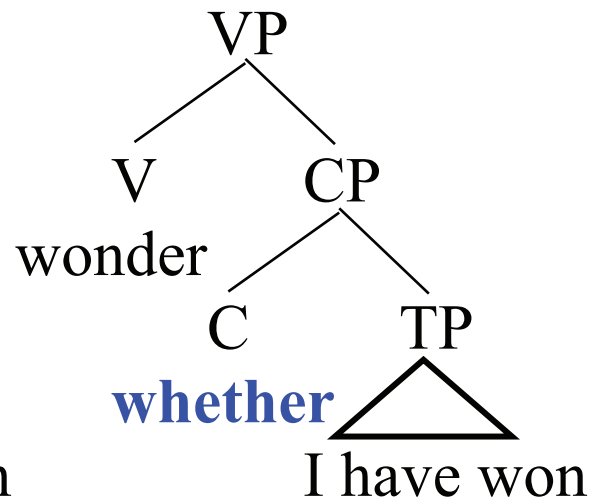
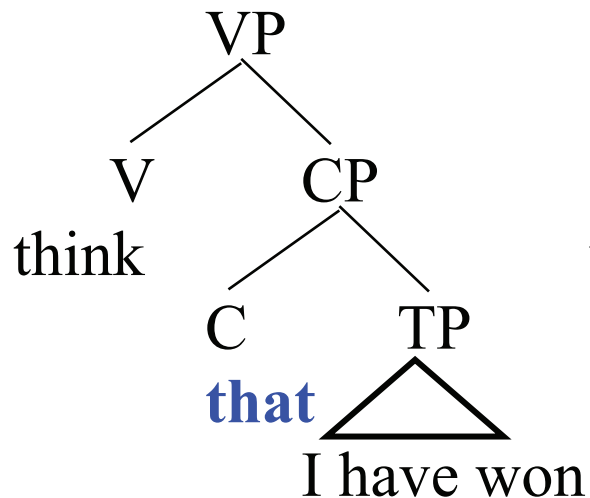
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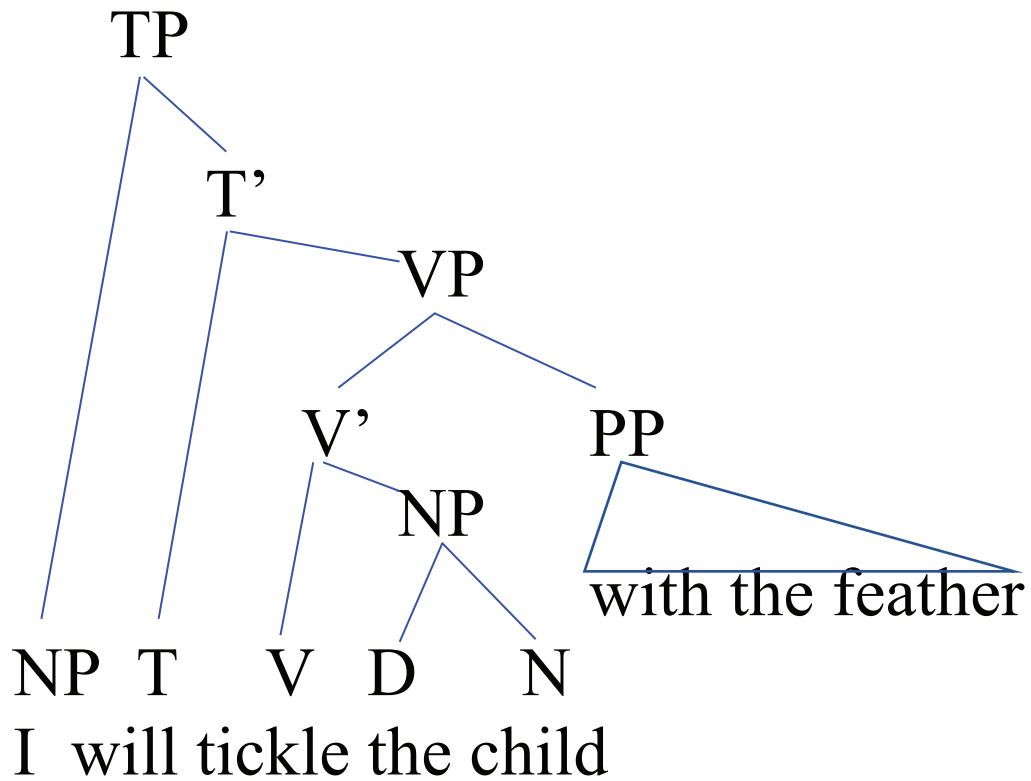
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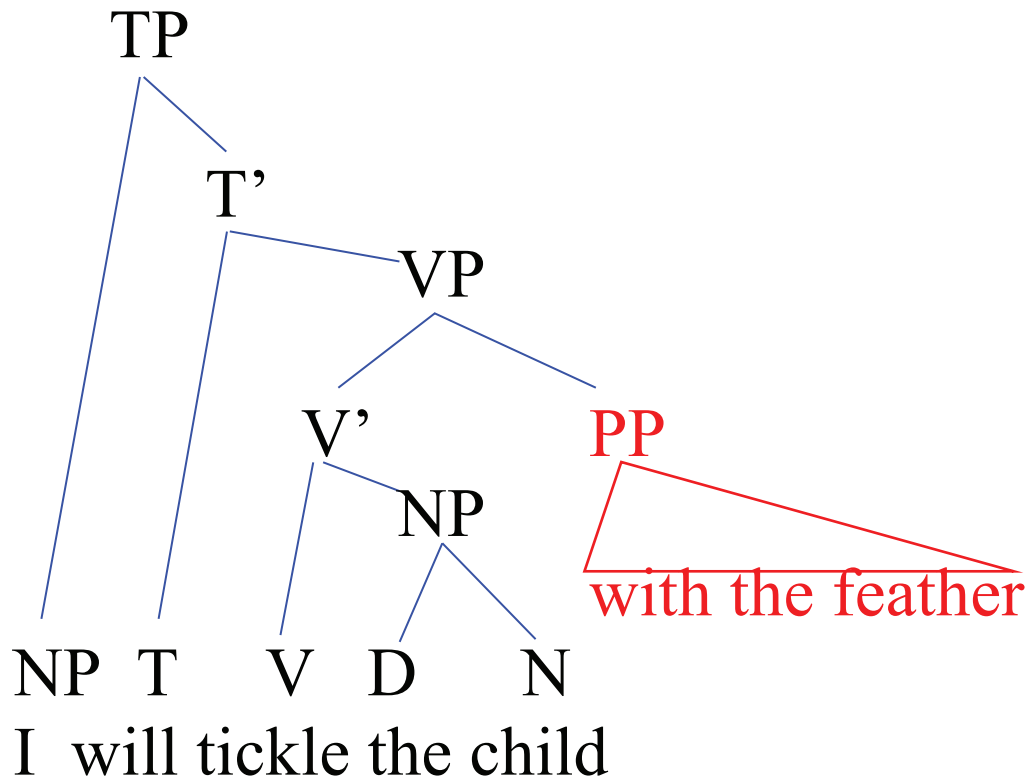
complementizers (C)



So is that it? Are we done with syntax?



So is that it? Are we done with syntax?



Doesn't seem right to say that 'child' or 'tickle' *selects* 'with a feather':

- you can do anything with a feather
- anybody and anything (not just a child) can be 'with a feather'

I will tickle the child **with this feather**

I will devour the child **with this feather**

I will write a novel **with this feather**

I will thrive **with this feather**

Doesn't seem right to say that 'child' or 'tickle' *selects* 'with a feather' (as opposed to "the child", which is selected):

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argument **adjunct**

arguments versus adjuncts

- arguments are 'picky' about which heads they can combine with; adjuncts aren't ('with a feather' can modify anything, unlike 'the child')
- but there are optional arguments:

I wrote (a novel)

I danced (a hornpipe)

I ate (an apple)

...

arguments versus adjuncts

I decided on the boat.

arguments versus adjuncts

I decided on the boat.

- "I made my decision (about something) while on the boat"
- "I chose the boat"

arguments versus adjuncts

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Is *on the boat* an argument or an adjunct?

arguments versus adjuncts

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argument

adjunct



Is *on the boat* an argument or an adjunct? **Yes.**

arguments versus adjuncts

I decided on the boat.

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argument

adjunct

Is *on the boat* an argument or an adjunct? **Yes.**

I decided **on the boat on the plane.**

How many things can this mean?

(please ignore boats that are on planes...)

arguments versus adjuncts

I decided on the boat.

→ "I made my decision (about something) while on the boat"

→ "I chose the boat"

argument

adjunct



Is *on the boat* an argument or an adjunct? **Yes.**

I decided **on the boat on the plane.**

*I decided **on the boat on the plane.**

arguments versus adjuncts

- arguments are 'picky' about which heads they can combine with; adjuncts aren't ('with a feather' can modify anything, unlike 'the child')
- If a head has both an argument and an adjunct, the argument is closer to the head.

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24.900 Introduction to Linguistics Spring 2022

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