CAS LX 522 Syntax I

8

TP,Agree, and our quickly growing tree (5.1-5.3)

Auxiliaries and modals and verbs

I ate. I could eat. I had eaten. I was eating. I had been eating. I could have eaten. I could be eating. I could have been eating.

So: could, have, be, eat. How do we determine what form each verb takes?

Auxiliaries and modals and verbs

Have: Perfective (aspect)

I have eaten. I had eaten.

Be: Progressive (aspect)

I am eating. I was eating.

Could: Modal

 I can eat. I could eat. I shall eat. I should eat. I may eat. I might eat. I will eat. I would eat.

Auxiliaries and modals and verbs

- I could have been eating.
- *I could be having eaten.
- *I was canning have eaten.
- *I had cannen be eating.
- *I was having cannen eat.
- *I had been canning eat.

It looks like there's an order:

> Modal, Perf, Prog, verb.

Auxiliaries and modals and verbs

Suppose:

- Have is of category Perf.
- Be is of category Prog.
- May, might, can, could are of category M.

They are heads from the lexicon, we will Merge them into the tree above *v*P. Their order is captured by a new extended Hierarchy of Projections:

Modal > Perf > Prog > v > V

Except not every sentence has these. So:

(Modal) > (Perf) > (Prog) > v > V

Negation

Consider the following:

- I did not eat.
- I could not eat.
- I had not eaten.
- I was not eating.
- I had not been eating.
- I could not have been eating.

Suppose not is of category Neg.

How do we describe where *not* occurs? How can we fit it into our Hierarchy of Projections?



Where does Neg fit?

Suppose that we *can* fit Neg in our Hierarchy of Projections. Just like the other things we just added.

(Modal) > (Perf) > (Prog) > v > V

Where would it go in the HoP, and how can we explain the word order patterns?

- I could not have been eating.
- I had not been eating.
- I was not eating.
- I did not eat.

Remember v and how we explained where the verb is in Pat gave a book to Chris?

A-ha.

Picture this:

- I ?+might not <might> have been eating.
- I ?+had not <had> been eating.
- I ?+was not <was> eating.

So what is ?, then?

- He did not eat. He ate.
- He does not eat. He eats.

All that *do* seems to be doing there is providing an indication of...tense.

HoP revisited

So, now we know where Neg goes. Above all the other things, but below tense (category T).

T > (Neg) > (M) > (Perf) > (Prog) > v > V

Just as V moves to v, so do Perf, Prog, and M move to T.

If Neg is there, you can see it happen.

- They T+shall not <shall> be eating lunch.
- They T+shall <shall> be eating lunch.

What does do?

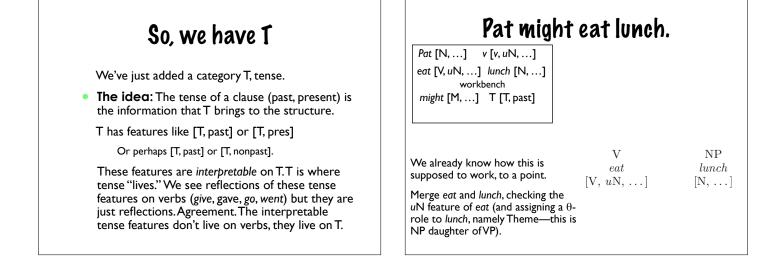
But what about when there's just a verb and Neg, but no M, Perf, or Prog?

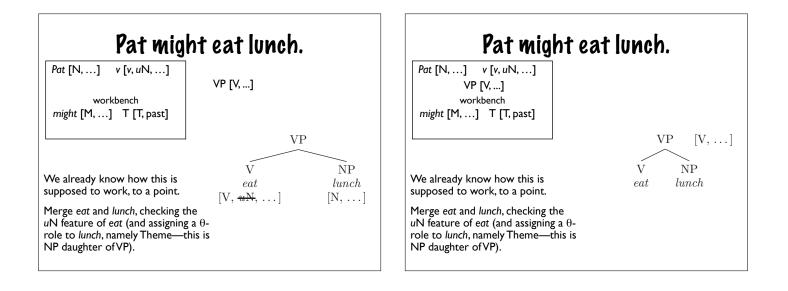
- I ate lunch.
- I did not eat lunch.

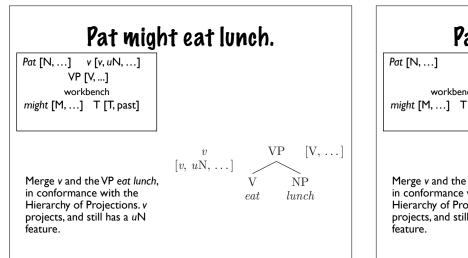
Eat clearly does not move to T.

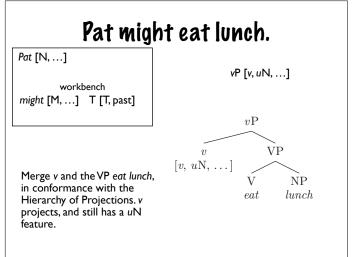
But not "gets in the way", so tense cannot "see" the verb. Instead, the meaningless verb do is pronounced, to "support" tense. "Do-support"

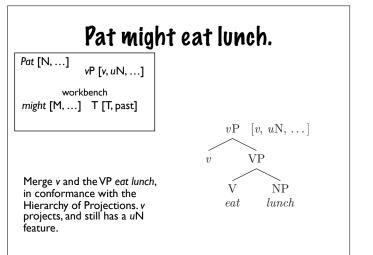
• We will return to the details in due course...

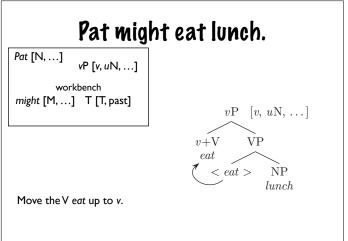


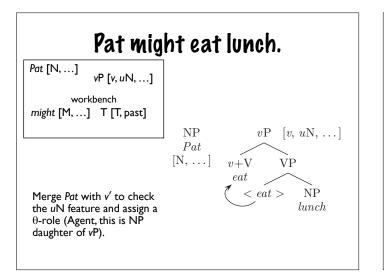


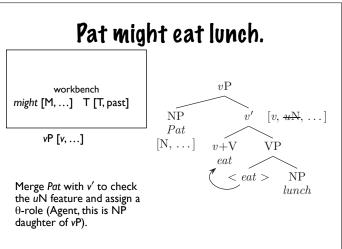


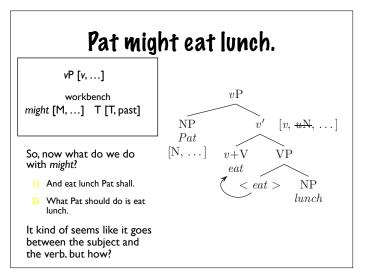


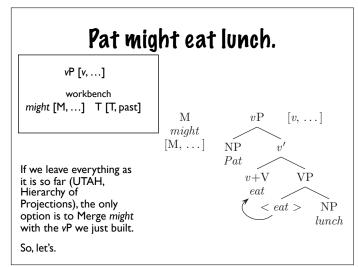


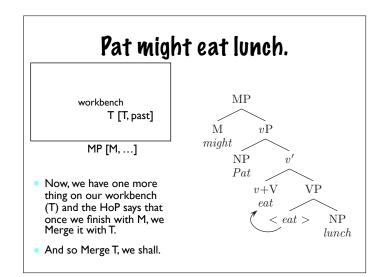


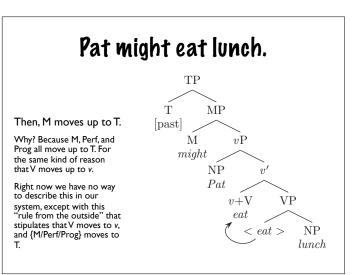


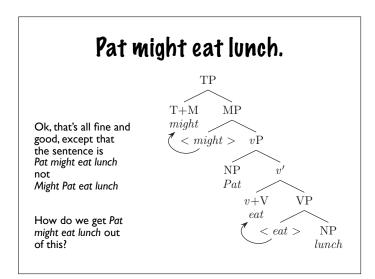


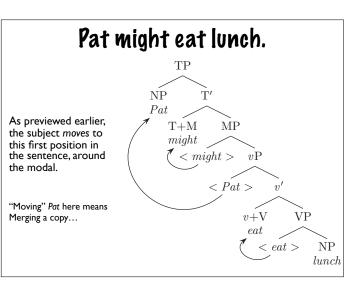


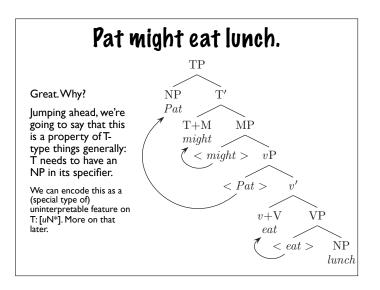












Side note: "I" vs. "T"

- You may have heard in the past that it tense should be of category I (for Inflection), rather than T (For Tense).
- **Rest easy:** T and I are (for current purposes) just two names for the same thing.
 - Historically, this was called INFL, then I, and now usually called T. But these are just names. I vs. T, Istanbul vs. Constantinople; St. Petersburg vs. Leningrad.

Pat ate lunch

Now that we have ${\sf T}$ in the Hierarchy of Projections, we're stuck with it.

Yet, where is T in Pat ate lunch or Pat eats lunch?

It looks like the tense marking is on the verb, we don't see anything between the subject and the verb where T ought to be.

Now that we have T, this is where tense features belong. We take this to be the thing that determines the tense of the sentence, even if we sometimes $s \in e$ the marking on the verb.

Pat ate lunch

Since (most) verbs sound different when in the past and in the present tense, we suppose that there is a [past] or [present] feature on the verb.

However, to reiterate: **tense belongs on T.**

The tense features on the verbs are uninterpretable.

Feature classes

There are tense features. Like past, like present. There are **case** features. Like nom, like acc. There are **person** features. Like 1st, like 2nd. There are gender features. Like masculine, like feminine.

So, we can think of this as a feature category or feature **type** that has a **value**.

> [Gender: masculine] [Person: Ist] [Tense: past]

[Case: nom]