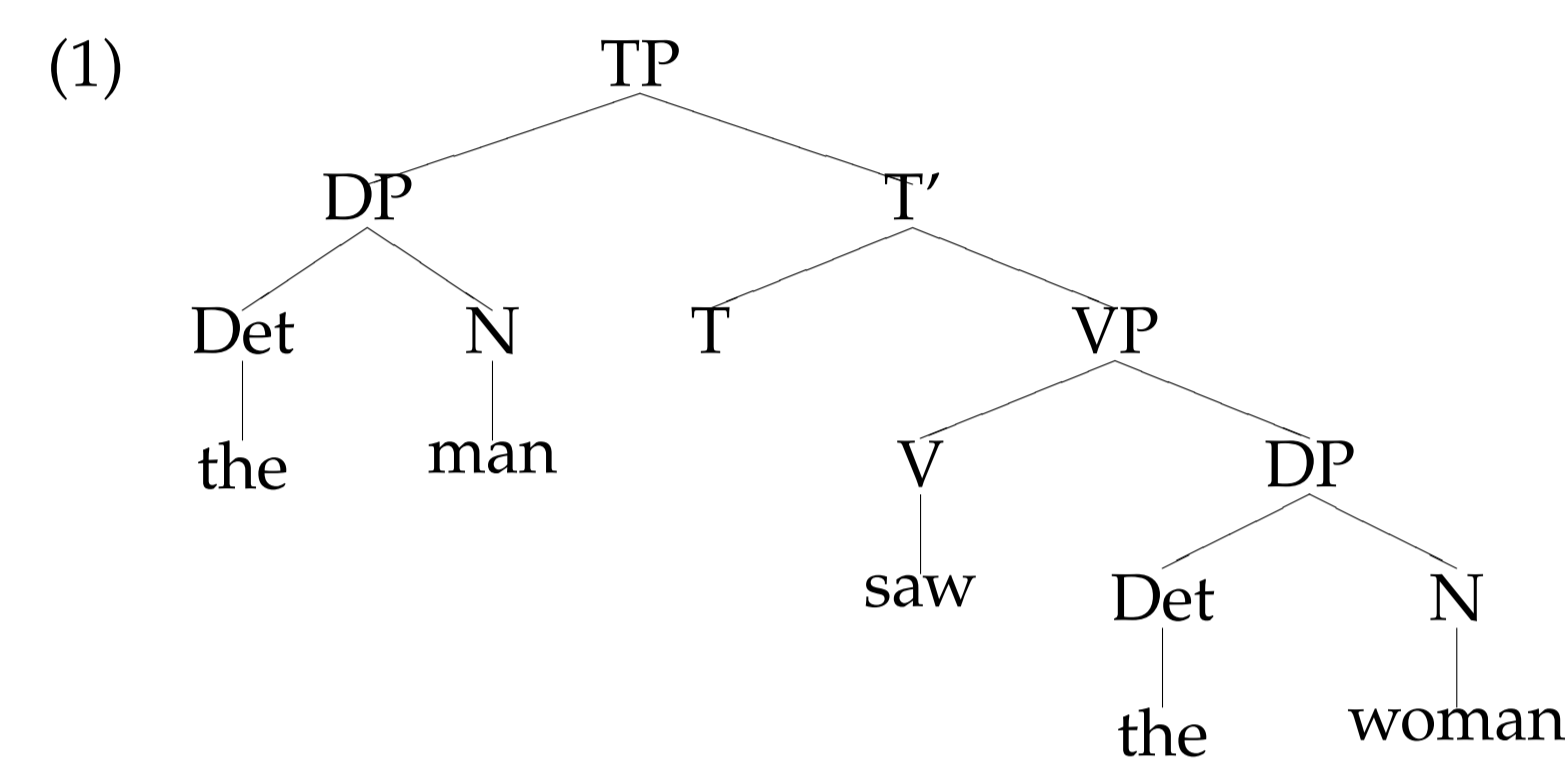


1 Sideward Movement

Sideward movement is expected to be available if (Hornstein 2001):

- Move is Copy+(Re)Merge
- There are multiple derivational “workspaces.”

Multiple workspaces are needed independently to derive mixed left/right-branching structures:



2 What's it good for?

Hornstein (2001) accounts for adjunct control using sideward movement:

- (2) a. John₁ took the cheese without *t*₁ asking.

DERIVATION:	
[without John asking]	Workspace 1
[_{v'} took the cheese]	Workspace 2
b.	
[without <i>t</i> ₁ asking]	Workspace 1
[_{vP} John ₁ took the cheese]	Workspace 2
[TP John ₁ [_{vP} [_{vP} <i>t</i> ' ₁ took the cheese] [without <i>t</i> asking]]]	

John moves out of the adjunct-to-be before it is adjoined, thus obviating the CED.

3 Merge over Move

- (3) (this can be made more precise...)

Merge over Move: If at a stage S in a derivation it is possible to perform a Merge operation, and if one of the available Merge operations does not block the derivation from eventually converging, then a Merge operation must be chosen at S.

Important: There is no requirement that the competing derivations evaluated by Merge over Move have the same interpretation (though they must all be convergent).

Hornstein shows that Merge over Move explains the absence of object control into adjuncts:

- (4) John₁ kissed Mary₂ without *t*_{1/*2} asking.

In (4), it is not possible for one of the DPs to move out of the adjunct to fill the matrix object position, because at this point in the derivation another DP remains in the numeration which could be merged as the object.

4 Blocking overgeneration in adjunct control

The derivation (5b) of (5a) is ruled out by Minimality; the derivation (5c) is ruled out by Merge over Move.

- (5) a. John₁ kissed Mary without Jane wanting *t*₁ to leave.

DERIVATION:	
[without Jane wanting John to leave]	Workspace 1
[_{v'} kissed Mary]	Workspace 2
b.	
[without Jane wanting <i>t</i> ₁ to leave]	Workspace 1
[_{vP} John ₁ kissed Mary]	Workspace 2
⇒ Minimality violated: “John” moves over “Jane”	
[TP John ₁ [_{vP} [_{vP} <i>t</i> ' ₁ kissed Mary] [without Jane wanting <i>t</i> ₁ to leave]]]	

DERIVATION:	
[wanting John to leave]	Workspace 1
[_{v'} kissed Mary]	Workspace 2
c.	
[wanting <i>t</i> ₁ to leave]	Workspace 1
[_{vP} John ₁ kissed Mary]	Workspace 2
⇒ No Minimality violation, but MOM is violated because “Jane” could have merged.	
[without Jane wanting <i>t</i> ₁ to leave]	Workspace 1
[_{vP} John ₁ kissed Mary]	Workspace 2
[TP John ₁ [_{vP} [_{vP} <i>t</i> ' ₁ kissed Mary] [without Jane wanting <i>t</i> ₁ to leave]]]	

That is, (5c) is bad because (6) is good:

- (6) Jane₁ kissed Mary without *t*₁ wanting John to leave.

5 Features must be valued, not checked

Otherwise, the landing site of an A-moved DP would be predetermined by its unchecked nominative/accusative feature.

6 Selectional restrictions not enforced in the syntax

Otherwise, we would expect to derive (7):

- (7) * John dispersed [the swarm of bees]₁ without *t*₁ stinging.

If the selection restriction on *disperse* were enforced syntactically then it would be permissible to violate Merge over Move, since the alternative derivation in (8) would be ungrammatical:

- (8) # [The swarm of bees]₁ dispersed John without *t*₁ stinging.

7 “Almost c-command”

Sideward movement allows for a kind of “late adjunction.” After initial merger of a DP, an adjunct can be adjoined to the DP in a separate workspace. When we consider adjunct PPs, we find that DP movement is predicted to be limited to an “almost c-command” configuration:

- (9) a. People₁ want *t*₁ to win.
 b. People₁'s friends want *t*₁ to win.
 (Bad in English, but on the face of it predicted to be OK; see Boeckx & Hornstein (2004, 2007))
 c. * A friend of John₁ wants *t*₁ to win.

Again, this requires the assumption that the syntax isn't too concerned with semantic/selectional niceties. For example, the derivation in (9c) must be blocked by the availability of the derivation in (10b):

- (10) a. [John₁ [of a friend]] wants *t*₁ to win.

[_{v'} wants John to win]	Workspace 1
b.	
[_{v'} wants <i>t</i> ₁ to win]	Workspace 1
[John ₁ [of a friend]] ₂	Workspace 2
[_{vP} [John ₁ [of a friend]] ₂ wants <i>t</i> ₁ to win]	Workspace 1
<i>t</i> ₂	Workspace 2

Movement of *John* in (9c) is illicit because at the point in the derivation when it occurs, there is also the option of merging *of* with *a friend*.

Deriving almost-c-command in a principled fashion is an interesting result. The relation is known to restrict certain phenomena (e.g. variable binding), but it has previously seemed a rather *ad hoc* structural relation.

There is some evidence that the interpretative interface cares about almost-c-command:

- (11) a. Everyone₁ loves his₁ mother.
 b. [Everyone₁'s mother] loves him₁.
 c. * [The mother of everyone₁] loves him₁.
 (12) a. An occasional sailor walked by.
 b. An occasional sailor's arms went up.
 c. # An arm of an occasional sailor went up.
 (Not acceptable under the weird scope reading available for (a) and (b).)

Since binding in (11) is probably not derived via movement, and since the weird scope reading in (12a/b) certainly is not, it seems that almost-c-command may ultimately derive from an interface requirement of some sort. Merge over Move restricts the syntax to movement dependencies that accord with this interface requirement.

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