

(Anti)reconstruction as layering

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“Reconstruction” is the term used to describe when a given constituent seems to be interpreted in a position lower than its surface position with respect to certain interpretive effects, for instance for low scope (1a) or anaphor binding options (1b).

(1) a. A Kenyan is likely to win the race. b. Which picture of himself_i does John_i think Bill_j likes? The challenge posed by such data depends on one’s theory of movement. Pre-Minimalist theories derive surface structure interpretations by default, and they have to stipulate some way of “lowering” the moved XP into the trace position to produce non-surface structure interpretation. Minimalist theories, working with the Copy Theory of Movement (Chomsky 1995), get the reconstructed interpretation more easily, since there is a copy of the quantifier in the lower position, but they must then add extra technology to determine the different interpretive options, for instance by converting copies into non-quantificational expressions (see e.g. Fox 1999, Erlewine 2014). Johnson (2012, 2016) develops a novel theory of (anti)reconstruction couched in multidominance terms. On Johnson’s theory, the default is that when a DP moves, it is interpreted in its base position, and so when a moving DP seems to take scope in some higher position - for instance Spec,CP in a wh-question - this is because that DP is sideward-merged with a quantificational element Q; the QP formed by this sideward merger is then merged in Spec,CP, where it takes scope. Thus Johnson’s theory derives reconstruction as the default, and nonreconstruction of quantificational material follows from it being sideward-merged “on the way” to the surface position and then externally remerged into its surface position.

While Johnson’s theory derives reconstruction into base positions readily (e.g. the “picture of Bill” reading of 1b), he does not discuss how it would deal with cases of antireconstruction (the “picture of John” reading), where some content of a fronted nominal is not reconstructed fully to the base position. In this talk we develop a generalized version of Johnson’s theory where sideward merge is responsible for all instances of antireconstruction: any material which is not reconstructed is sideward-merged onto the moving element on the way up the tree. We call this process *layering* for exposition, but it adds nothing more to the theory than external remerge does, and we take external remerge to be justified empirically by the existence of complex specifiers (de Vries 2009, Zwart 2011). Layering is distinct from late-merge as it only involves adding an extra layer to a moving element: on an external remerge derivation of this kind, merge only targets roots, and so sideward merging X onto a YP which has merged with some other head Z involves creating a multirooted tree; these are then combined into a single tree by external remerge (again see de Vries 2009). Layering cannot add a complement to a given constituent on the way up, nor can it adjoin to a lower projection contained within a given XP, but it can merge superordinate heads to that XP, and it can add specifiers/adjuncts to the topmost projection of a moving XP.

Sample derivations: nonreconstruction of a determiner involves base-generating just an NP in the base position, merging the nP with D to form a DP which is not dominated by the containing clause, and then externally remerging the DP into its landing site. Since the D is only dominated by material in its landing site, it takes wide scope and so we derive “antireconstruction.” Fig.1 provides a rough illustration of such a derivation for A-movement with nonreconstruction of D. (Structures such as these can be interpreted with a semantics like that given by Abels & Marti 2010 for split scope readings of Germanic NegDPs.)

Nonreconstruction of a PP-“complement” requires an analysis where the PP is actually introduced in a specifier position in a DP-internal projection above the core NP; such a derivation of so-called PP-“complements” is motivated in Adger (2013) and is ultimately in line with the general line of thought in which arguments are introduced by functional heads (Lohndal 2014 and citations therein). Thus to derive (1b) on the “picture of John reading”, first an nP is moved from the base position; second, that nP is sideward-merged with the head F which introduces the PP; third, the PP is merged with the resulting FP; fourth, all other material is merged on to create the DP and it is externally remerged into a cyclic spec below *John* but above *Bill*; finally, the derivation proceeds to move the whP to its surface position. Fig.2 provides a snapshot of this, where



