



d. **Relations:** under (2dii),  $\text{Merge}(\alpha, \beta) \rightarrow K(\alpha, \beta)$  provides directly the relations

1. **Sisterhood**( $\alpha, \beta$ ), and  
[sisterhood extends to the *modified* LI( $\alpha$ ), MLI( $\alpha$ ), and to F( $\alpha$ )<sup>[116f.]</sup>]
2. **Immediate containment**  $K \supseteq_{\text{immediate}} \{\alpha, \beta, K\}$

**Composition of relations** yields:

3. **Containment:**  $K \supseteq \{\alpha\}$  if  $K \supseteq_{\text{immediate}} \{\alpha | L \supseteq \{\alpha\}\}$   
[transitive closure of immediate containment]
4. **Term:**  $\alpha = \text{term}(K)$  if  $K \supseteq \{\alpha\}$
5. **Identity** (= sister(sister) ) [*presupposing binarity of Merge, a sister of a sister is itself*']
6. **C-command** (= sister(contain) ):  $\alpha$  c-commands  $\beta$  if  $\alpha = \text{sister}(K \supseteq \{\beta\})$  [*stipulated*]  
[n. 67: C-command is *symmetrical!*]

**Derivational-compositional C-command** (n. 61/67; Epstein 1999)  $\rightarrow$  deduced from LCA  
 $\alpha$  c-commands  $\beta$  if  $\text{Merge}(\alpha, K \supseteq \{\beta\})$

7. **L-marking** (a primitive government)  $\rightarrow$  **barriers**<sup>[117]</sup>

d. **Deep structure:** “[2a] requires that there is no Deep or Surface Structure”  $\rightarrow$  Uriagereka, who makes a case *for* DS (cf. Uriagereka 2008), notes that Numerations, etc., are mere reformulations of DS in terms of properties of DS, which is why “many want to get rid of the Numeration”

*Uriagereka: cycle as a criterion for narrow syntax*

### 3.2 Imperfections<sup>[117-126]</sup>

‘design flaw’<sup>[117]</sup>

a. **Phonological component** (Phon): introduces prosodic structure and narrow phonetics (violates Inclusiveness), phonological properties of LIs and their phonetic instantiations of combinations thereof are discrepant (violates Interpretability)<sup>[117]</sup>

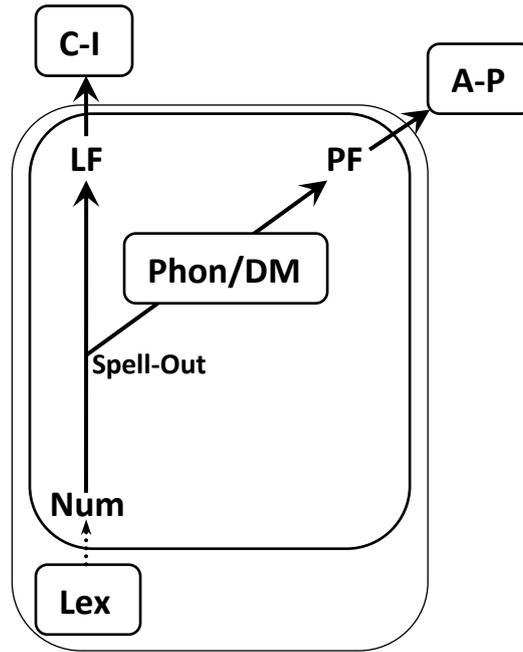
(4) *Inclusiveness/Interpretability revised*<sup>[118]</sup>

Inclusiveness holds of narrow syntax, and each feature is interpreted at the level LF or associated with phonetic features by the phonological component.

☞ Phon = **isolated component:** “*true* phonological features”, only visible to Phon, separate sub-system of FL [*this complies with the definition of a Fodorian module: encapsulation, autonomy, domain-specificity, ..., thus not part of NS*]

b. **Spell-Out** (‘operation!’): “in the course of construction of LF, an operation Spell-Out delivers the structure already formed to the phonological component, which converts it to PF”

(5) Architecture of FL (so far, as I understand it...)



c. **Uninterpretable features** of LIs ( $uF \neq iF$ ): includes Fs with *no* interpretation at LF/PF (violating Interpretability) → **structural Case; agreement Fs** problematic ( $iF$  on N,  $uF$  on V/A; phonetically optional)<sup>[117]</sup>

⇒ **Occ(F)** cannot be distinguished (for  $u\phi \neq iF$ ) → **F-chains don't exist** → **Fs cannot move or be attracted!**

d. **Move** (the 'dislocation' property): surface phonetic relations  $\neq$  semantic relations<sup>[119f]</sup>

⇒  $\text{Move}(\alpha, \beta) \rightarrow C_\alpha = \{\alpha_1, \alpha_2\}$ : subsequent operations might distort c-command ( $\alpha_1$  c-commands  $\alpha_2$ ) and locality relations between  $\alpha_1$  and  $\alpha_2$

(6) *Multiple head raising*<sup>[120]</sup>

$[\text{CP} [ [\text{V}_j\text{-T}]_i\text{-C} ] [\text{TP} \dots t_i \dots [\text{VP} \dots t_j \dots ] ] ]$ <sup>[120]</sup>

⇒  $T_i \neg$ -c-commands  $t_i$ ;  $V_j \neg$ -c-commands  $t_j$

(7) *XP dislocation*<sup>[120]</sup> [i.e. *PrtP-fronting*]

i.  $[\text{TP} [\text{those books}]_j \text{ couldn't possibly } [\text{VoiceP be } [\text{PrtP writ-en } [\text{vP-def } t_{\text{writ-}} t_j \text{ for children} ] ] ] ]$

ii.  $[\text{PrtP written } t_j \text{ for children}]_i, [\text{TP} [\text{those books}]_j \text{ couldn't possibly } [\text{VoiceP be } t_j ] ]$

⇒ Remnant *PrtP*-movement →  $[\text{those books}]_j \neg$ -c-commands  $t_j$

(8) 'NS':  $\text{whom}_i$  did everyone talk to  $\text{whom}_j$  about  $\text{whom}_k$

→ Derivationally disambiguated *qua* initial Num<sup>[120]???</sup>

a. PF<sub>1</sub>:  $\text{whom}_i$  did everyone talk to  $t_i$  about  $\text{whom}_k$                      $i=j$

b. PF<sub>2</sub>:  $\text{whom}_i$  did everyone talk to  $\text{whom}$  about  $t_i$                      $i=k$

[*why no intervention effect/RM-violation: wh...wh...wh?*]

⇒ "uninterpretable features and the dislocation property [...] have to do with externally imposed legibility conditions"<sup>[120]</sup> → "'surface properties' appear to be specific to human language. [...]"



