

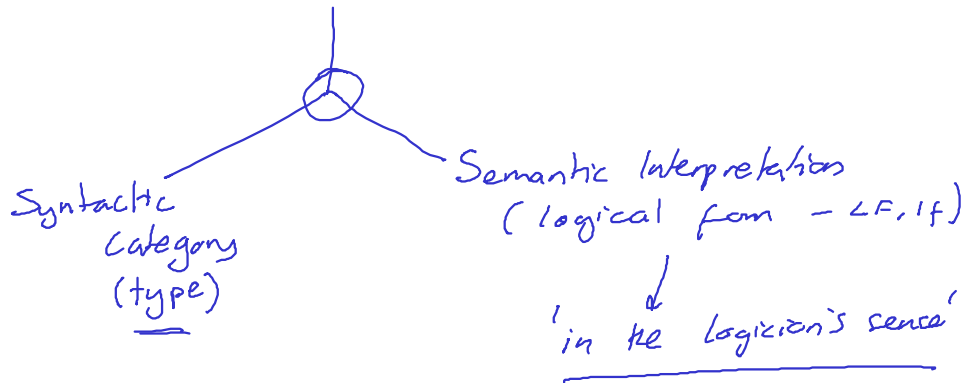
# Syntax-driven semantic composition: Signs

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Sign

phonetic form (phon)



Fragment

$C_0 = \{a, b, c, j, k \dots\}$   $C_1 = \{\text{sleeps}', \text{walks}' \dots\}$   
 $V = \{x, y, z \dots\}$

John := NP ; J'

~~\*/εΛη/~~

Mary := NP ; m'

sleeps := NP → S ; sleeps'

John sleeps.  
NP NP → S

S : (sleeps' J')

$\|S_J\| = 1$  ,  $\nexists \|J\| \in \|S\|$

$S \rightarrow NP VP$

$NP \rightarrow \text{John}$

$VP \rightarrow V_I$

$V_I \rightarrow \text{sleeps}'$

