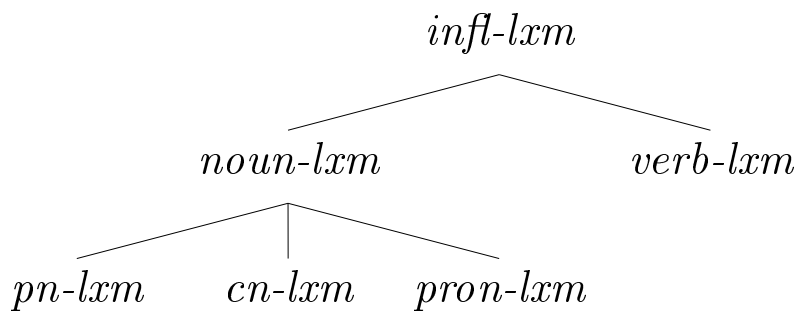


8.2 Slides

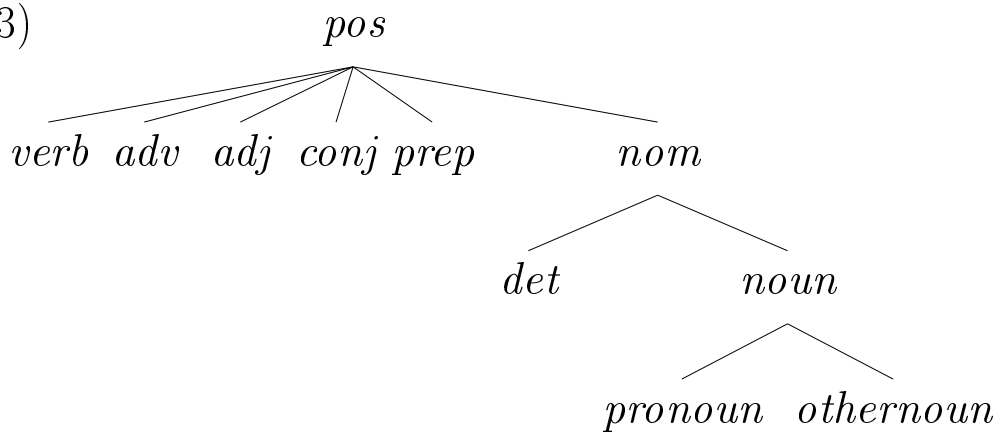
(1) Case Constraint

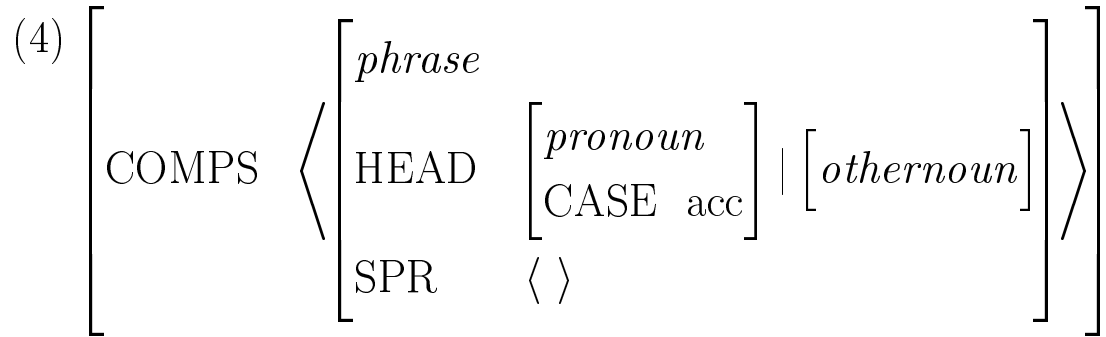
Any NP in a noninitial position of a word's ARG-ST list is [CASE acc].

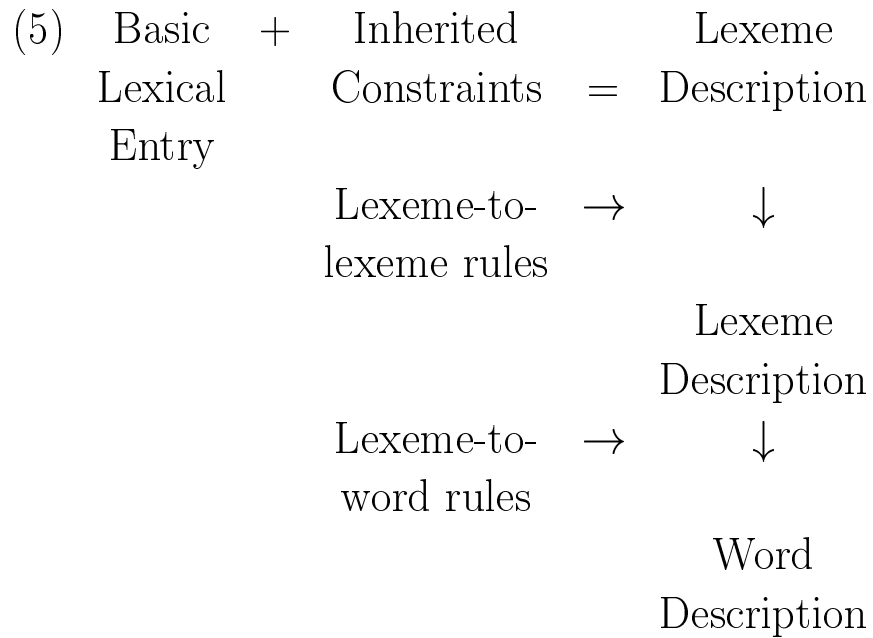
(2)



(3)





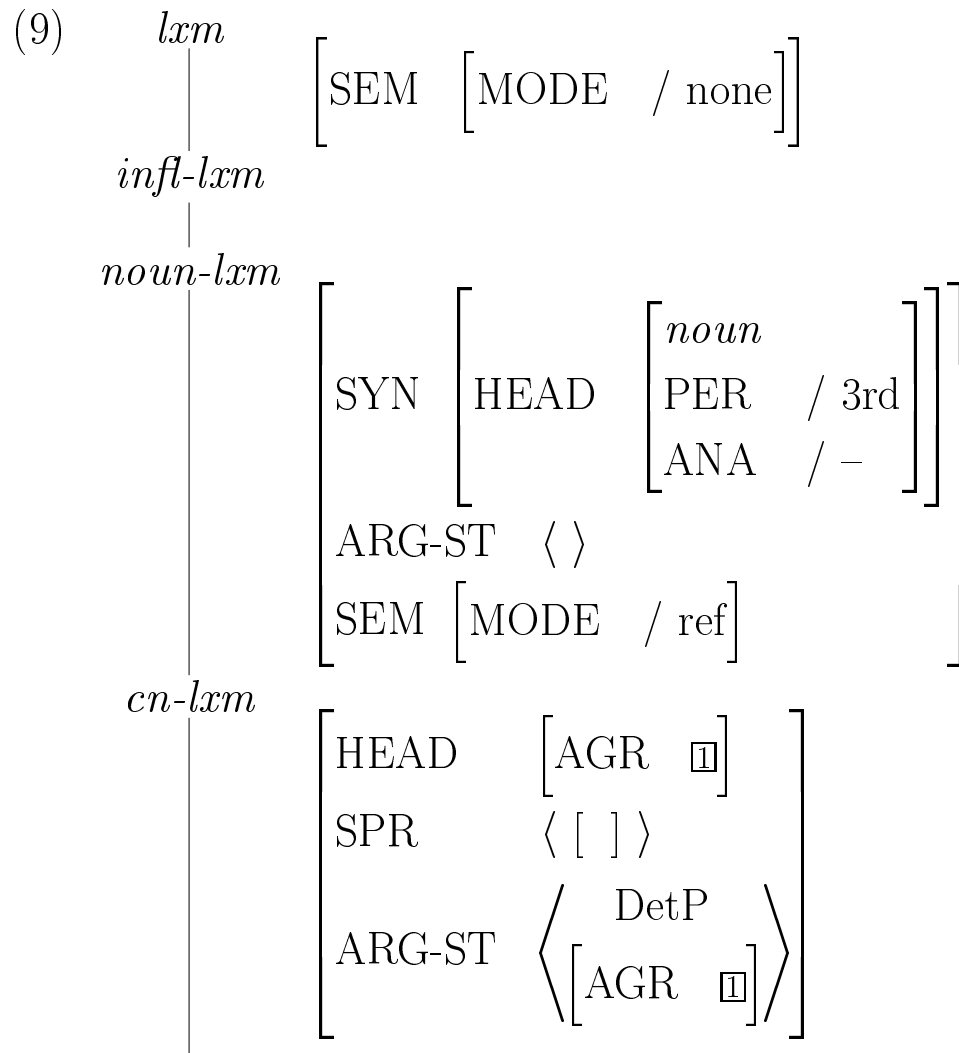


- (6) a. $\langle (\text{phonology}) , [\textit{lexeme} \dots] \rangle$
- b. $\langle (\text{phonology}) , [\textit{word} \dots] \rangle$

$$(7) \left\langle \mathbb{I}, \begin{bmatrix} F & v \end{bmatrix} \right\rangle \Rightarrow \left\langle G(\mathbb{I}), \begin{bmatrix} F & w \\ J & x \end{bmatrix} \right\rangle$$

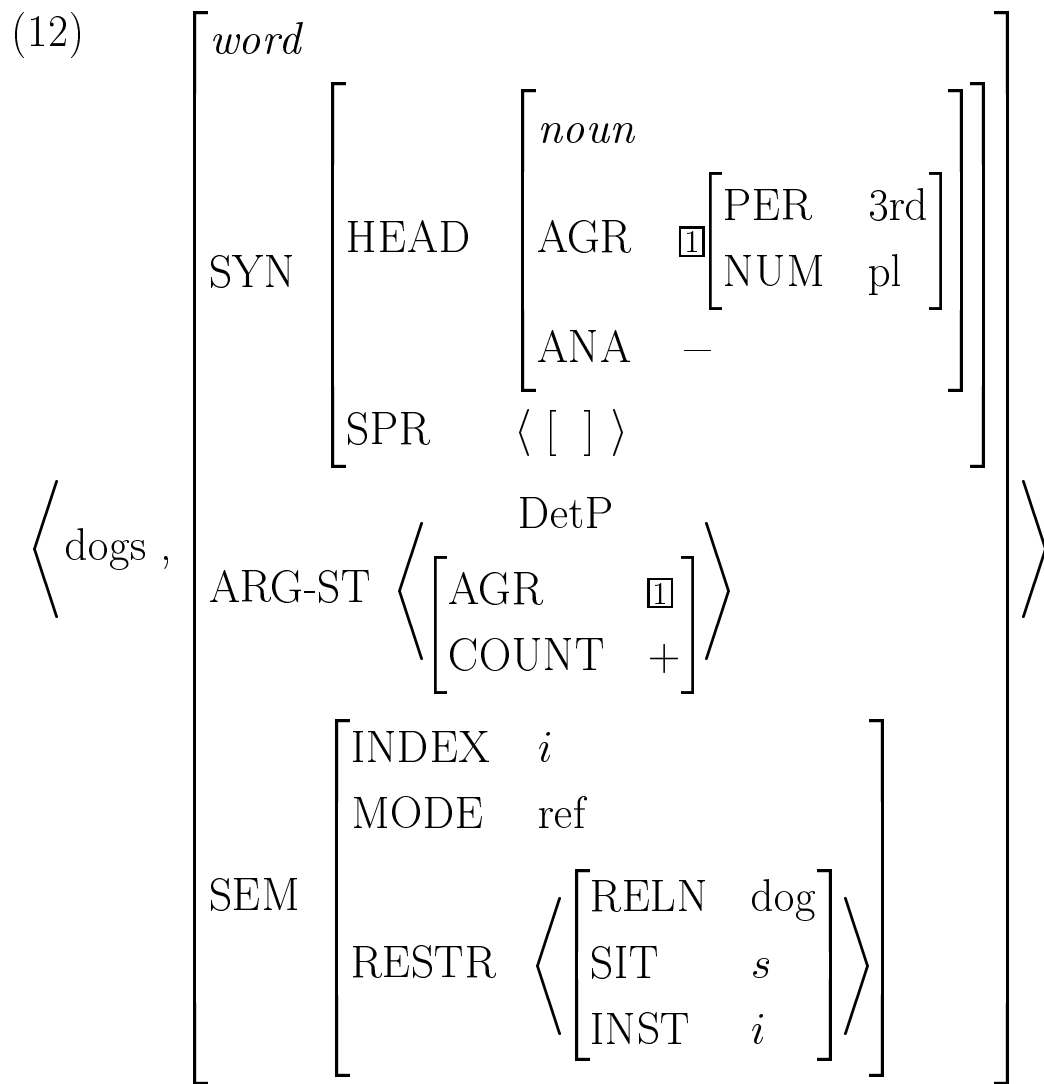
	Input	Output
1.	$\left\langle (\text{phonology}), \begin{bmatrix} F & y \\ H & z \end{bmatrix} \right\rangle$	none
2.	$\left\langle (\text{phonology}), \begin{bmatrix} F & v \\ J & y \end{bmatrix} \right\rangle$	none
3.	$\left\langle \mathbb{I}, \begin{bmatrix} F & v \\ H & z \end{bmatrix} \right\rangle$	$\left\langle G(\mathbb{I}), \begin{bmatrix} F & w \\ H & z \\ J & x \end{bmatrix} \right\rangle$

$$(8) \left[\begin{array}{l} cn-lxm \\ \text{ARG-ST} \langle [\text{COUNT } +] \rangle \\ \text{SEM} \left[\begin{array}{l} \text{INDEX } i \\ \text{RESTR} \langle \left[\begin{array}{l} \text{RELN } \text{dog} \\ \text{SIT } s \\ \text{INST } i \end{array} \right] \rangle \end{array} \right] \end{array} \right] \rangle$$

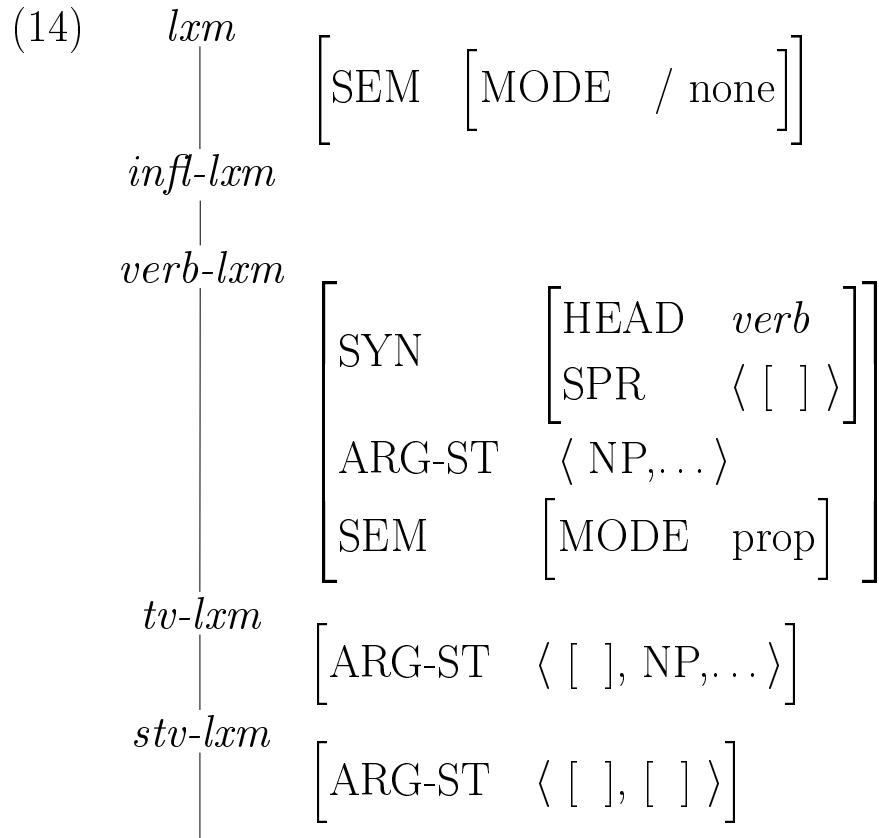


$$(10) \left[\begin{array}{l} \textit{cn-lxm} \\ \text{SYN} \left[\begin{array}{l} \text{HEAD} \left[\begin{array}{l} \textit{noun} \\ \text{AGR} \quad \mathbb{I} [\text{PER} \quad 3\text{rd}] \\ \text{ANA} \quad - \end{array} \right] \\ \text{SPR} \quad \langle [] \rangle \end{array} \right] \\ \text{ARG-ST} \left\langle \begin{array}{l} \text{DetP} \\ \left[\begin{array}{l} \text{AGR} \quad \mathbb{I} \\ \text{COUNT} \quad + \end{array} \right] \end{array} \right\rangle \\ \text{SEM} \left[\begin{array}{l} \text{INDEX} \quad i \\ \text{MODE} \quad \textit{ref} \\ \text{RESTR} \left\langle \left[\begin{array}{l} \text{RELN} \quad \textit{dog} \\ \text{SIT} \quad s \\ \text{INST} \quad i \end{array} \right] \right\rangle \end{array} \right] \end{array} \right] \right\rangle$$

$$(11) \left\langle \mathbb{I}, \left[\begin{array}{l} \textit{noun-lxm} \\ \text{ARG-ST} \quad \langle [\text{COUNT} +] \rangle \end{array} \right] \right\rangle \Rightarrow \left\langle \text{F}_{NPL}(\mathbb{I}), \left[\begin{array}{l} \textit{word} \\ \text{SYN} \left[\text{HEAD} \left[\text{AGR} \left[\text{NUM} \quad \textit{pl} \right] \right] \right] \right] \right] \right\rangle$$

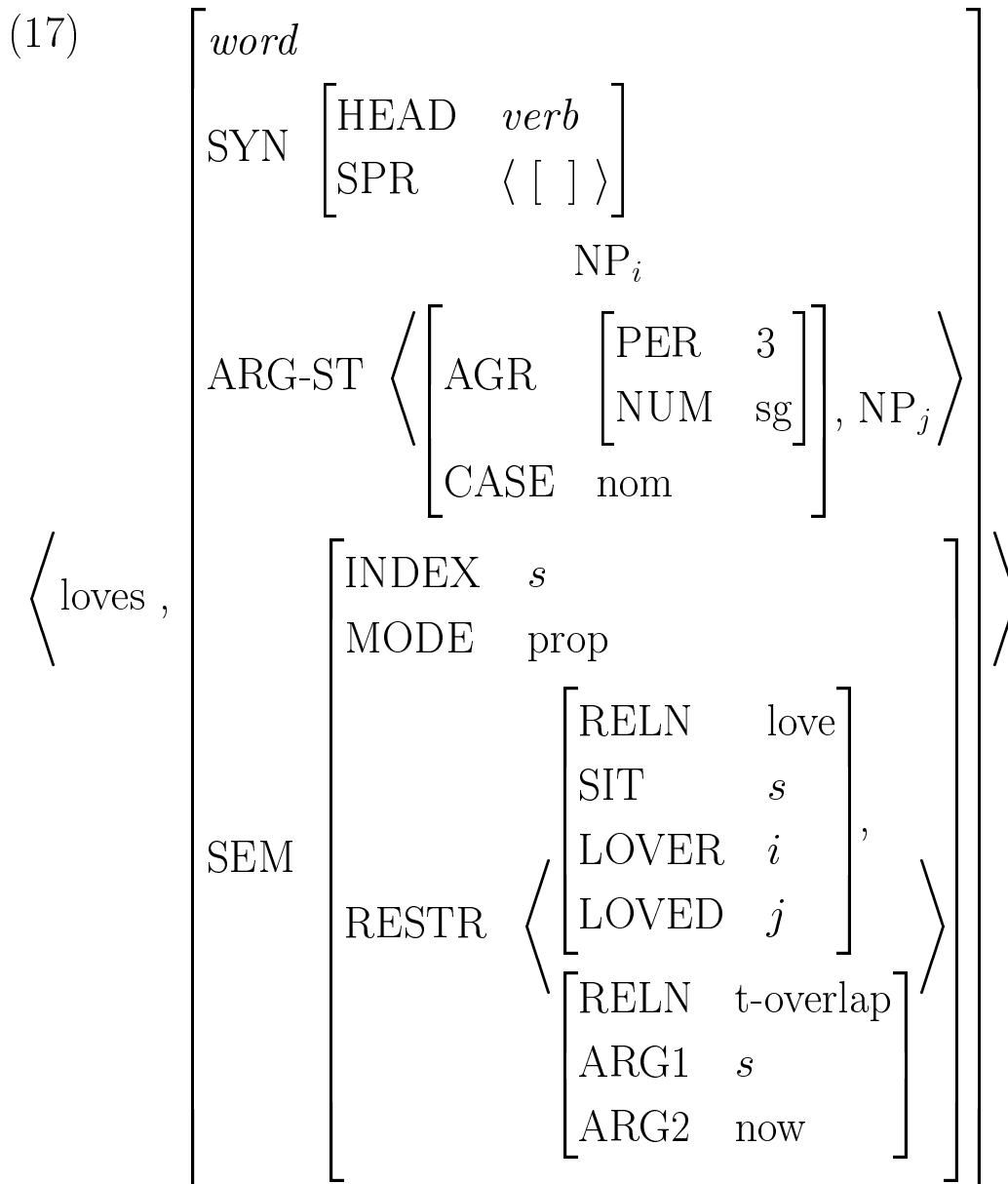


$$(13) \left[\begin{array}{l} stv-lxm \\ \text{ARG-ST } \langle []_i, []_j \rangle \\ \text{SEM } \left[\begin{array}{l} \text{INDEX } s \\ \text{RESTR } \left[\begin{array}{l} \text{RELN } \text{love} \\ \text{SIT } s \\ \text{LOVER } i \\ \text{LOVED } j \end{array} \right] \end{array} \right] \end{array} \right] \right]$$



$$(15) \quad \left[\begin{array}{l}
 \textit{stv-lxm} \\
 \text{SYN} \left[\begin{array}{l} \text{HEAD} \quad \textit{verb} \\ \text{SPR} \quad \langle [] \rangle \end{array} \right] \\
 \text{ARG-ST} \langle \text{NP}_i, \text{NP}_j \rangle \\
 \left\langle \text{love}, \right. \\
 \text{SEM} \left[\begin{array}{l} \text{INDEX} \quad s \\ \text{MODE} \quad \textit{prop} \\ \text{RESTR} \left\langle \begin{array}{l} \text{RELN} \quad \textit{love} \\ \text{SIT} \quad s \\ \text{LOVER} \quad i \\ \text{LOVED} \quad j \end{array} \right\rangle \end{array} \right] \right\rangle
 \end{array} \right]$$

$$\begin{array}{l}
 (16) \left\langle \boxed{3}, \left[\begin{array}{l} \textit{verb-lxm} \\ \text{SEM} \quad \left[\text{RESTR} \quad \boxed{a} \right] \end{array} \right] \right\rangle \Rightarrow \\
 \\
 \left\langle F_{3SG}(\boxed{3}), \left[\begin{array}{l} \textit{word} \\ \text{SYN} \quad \left[\text{HEAD} \quad \left[\text{FORM} \quad \textit{fin} \right] \right] \\ \text{ARG-ST} \quad \left\langle \left[\begin{array}{l} \text{CASE} \quad \textit{nom} \\ \text{AGR} \quad \textit{3sing} \end{array} \right], \dots \right\rangle \\ \text{SEM} \quad \left[\begin{array}{l} \text{INDEX} \quad \boxed{2} \\ \text{RESTR} \quad \boxed{a} \oplus \left\langle \left[\begin{array}{l} \text{RELN} \quad \textit{t-overlap} \\ \text{ARG1} \quad \boxed{2} \\ \text{ARG2} \quad \textit{now} \end{array} \right] \right\rangle \end{array} \right] \end{array} \right] \right\rangle
 \end{array}$$



$$(18) \left\langle \text{and} , \left[\begin{array}{l} \textit{conj-lxm} \\ \text{ARG-ST } \langle \rangle \\ \text{SEM } \left[\begin{array}{l} \text{INDEX } s \\ \text{RESTR } \left\langle \left[\begin{array}{l} \text{RELN } \textit{and} \\ \text{SIT } s \end{array} \right] \right\rangle \end{array} \right] \end{array} \right] \right\rangle$$

$$(19) \begin{array}{c} \textit{lxm} \\ | \\ \textit{const-lxm} \\ | \\ \textit{conj-lxm} \end{array}$$

$$(20) \left\langle \mathbb{1} , [\textit{const-lxm}] \right\rangle \Rightarrow \left\langle \mathbb{1} , [\textit{word}] \right\rangle$$

$$(21) \left\langle \text{and} , \left[\begin{array}{l} \textit{word} \\ \text{ARG-ST } \langle \rangle \\ \text{SEM } \left[\begin{array}{l} \text{INDEX } s \\ \text{RESTR } \left\langle \left[\begin{array}{l} \text{RELN } \textit{and} \\ \text{SIT } s \end{array} \right] \right\rangle \end{array} \right] \end{array} \right] \right\rangle$$