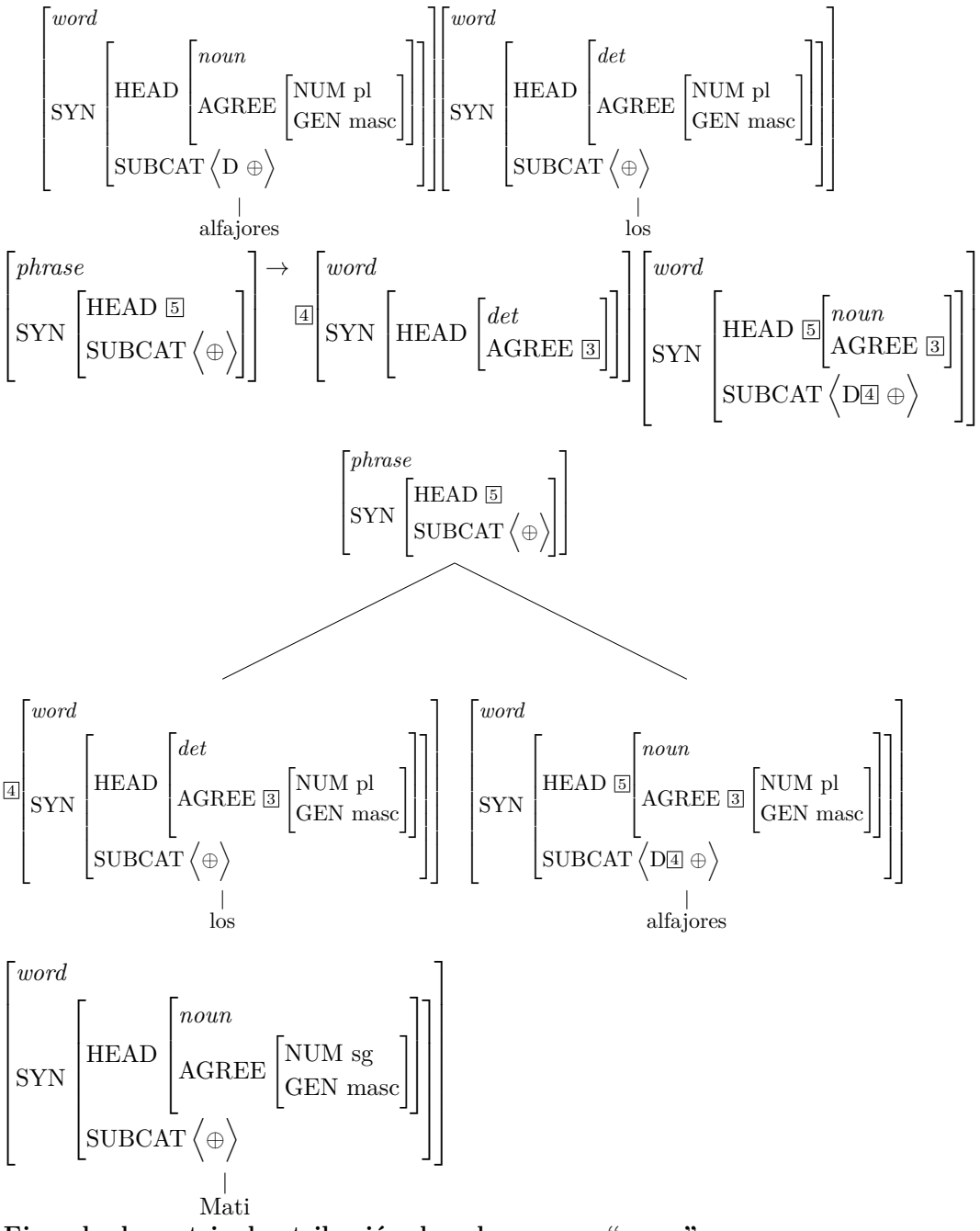


Ejemplo de matriz de atribución de valores para “corre”

$$\begin{bmatrix} \textit{word} \\ \text{SYN} \begin{bmatrix} \text{HEAD} \begin{bmatrix} \textit{verb} \\ \text{AGREE} \begin{bmatrix} \text{NUM sg} \\ \text{PER 3} \end{bmatrix} \end{bmatrix} \\ \text{SUBCAT} \left\langle \text{NP} \oplus \right\rangle \end{bmatrix} \end{bmatrix}$$

|

corre

Combinando SV con V

$$\begin{bmatrix} \textit{phrase} \\ \text{SYN} \begin{bmatrix} \text{HEAD } \boxed{5} \\ \text{SUBCAT} \left\langle \boxed{4} \oplus \right\rangle \end{bmatrix} \end{bmatrix} \rightarrow \begin{bmatrix} \textit{word} \\ \text{SYN} \begin{bmatrix} \text{HEAD } \boxed{5} \begin{bmatrix} \textit{verb} \end{bmatrix} \\ \text{SUBCAT} \left\langle \boxed{4} \oplus \right\rangle \end{bmatrix} \end{bmatrix}$$

Ejemplo de SV

$$\begin{bmatrix} \textit{phrase} \\ \text{SYN} \begin{bmatrix} \text{HEAD } \boxed{5} \\ \text{SUBCAT} \left\langle \boxed{6} \oplus \right\rangle \end{bmatrix} \end{bmatrix}$$

|

$$\begin{bmatrix} \textit{word} \\ \text{SYN} \begin{bmatrix} \text{HEAD } \boxed{5} \begin{bmatrix} \textit{verb} \\ \text{AGREE} \begin{bmatrix} \text{NUM sg} \\ \text{PER 3} \end{bmatrix} \end{bmatrix} \\ \text{SUBCAT} \left\langle \text{NP} \boxed{6} \oplus \right\rangle \end{bmatrix} \end{bmatrix}$$

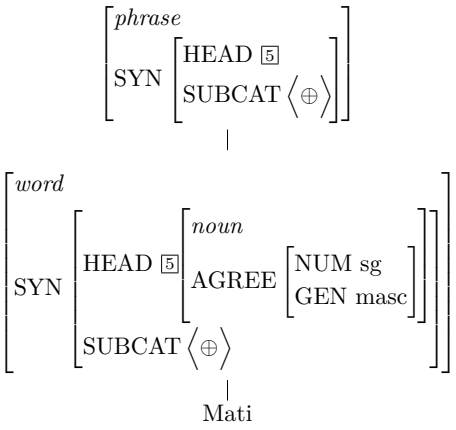
|

corre

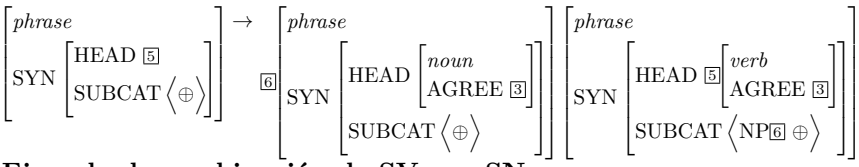
Combinando SN con N

$$\begin{bmatrix} \textit{phrase} \\ \text{SYN} \begin{bmatrix} \text{HEAD } \boxed{5} \\ \text{SUBCAT} \left\langle \oplus \right\rangle \end{bmatrix} \end{bmatrix} \rightarrow \begin{bmatrix} \textit{word} \\ \text{SYN} \begin{bmatrix} \text{HEAD } \boxed{5} \begin{bmatrix} \text{noun} \end{bmatrix} \\ \text{SUBCAT} \left\langle \oplus \right\rangle \end{bmatrix} \end{bmatrix}$$

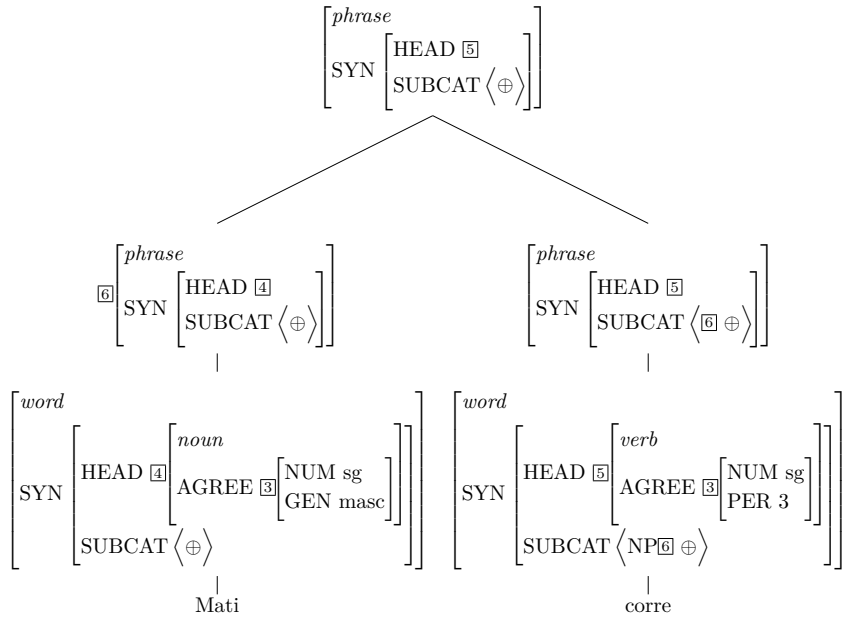
Ejemplo de SN



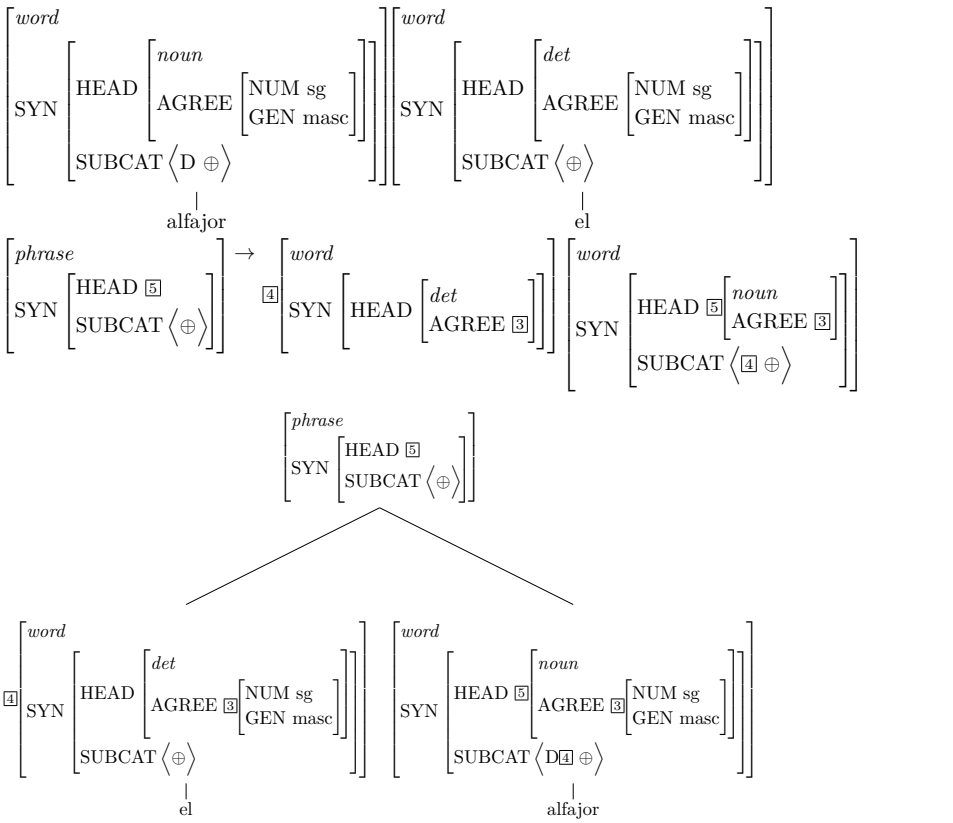
Combinando SV con SN

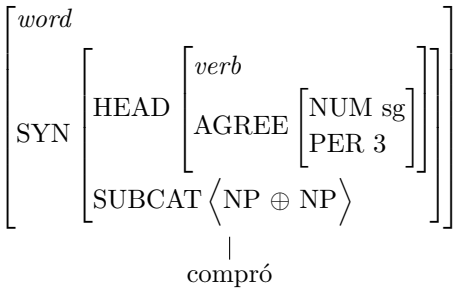


Ejemplo de combinación de SV con SN

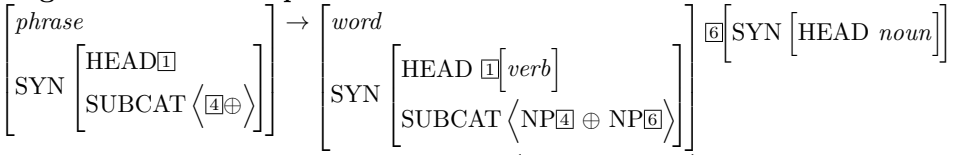


Construyendo una cláusula transitiva (inicio)

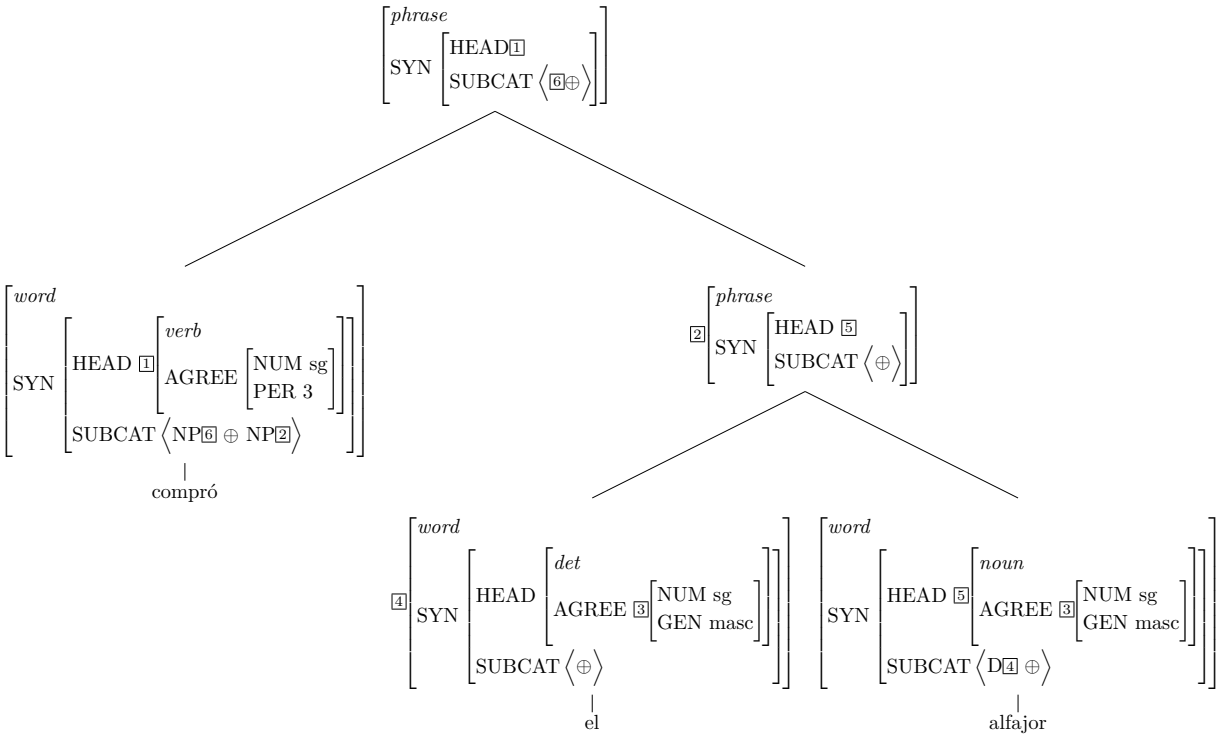


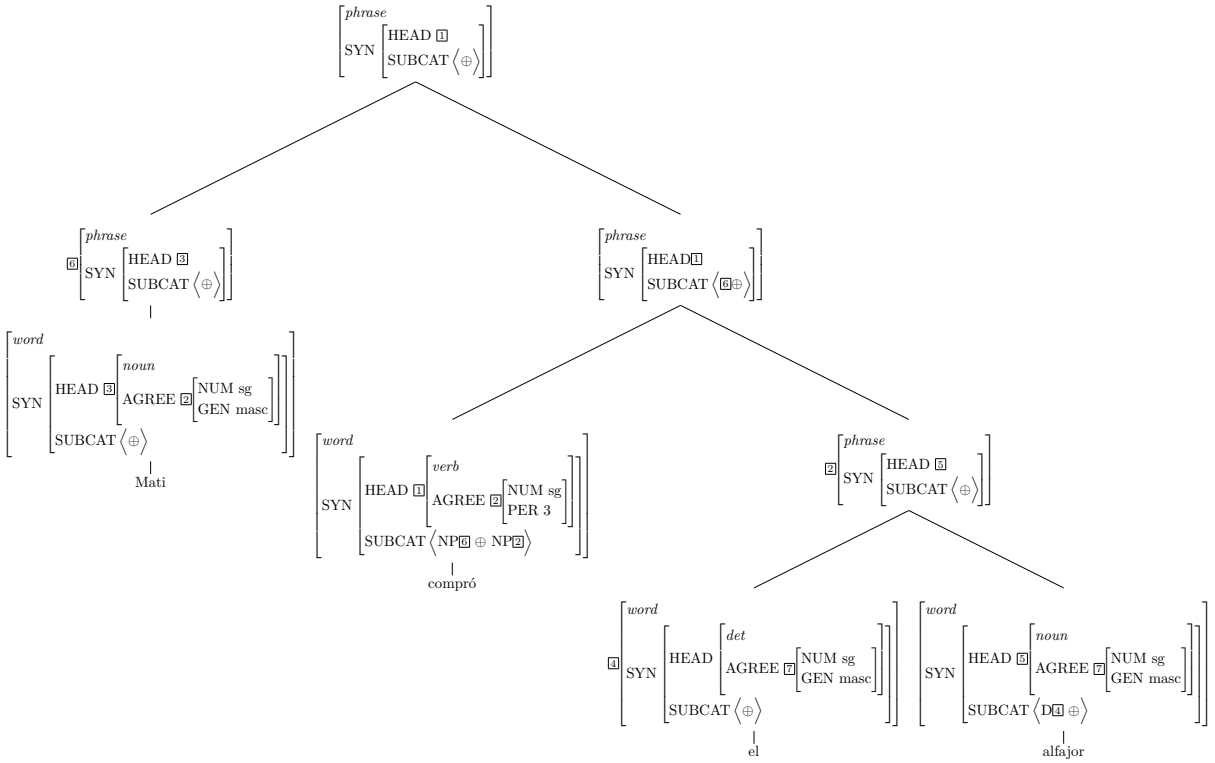


Regla de reescritura para el SV



Construyendo una cláusula transitiva (continuación)


phrase
SYN
HEAD 1
SUBCAT ⟨ 6 ⊕ ⟩
word
SYN
HEAD 1
verb
AGREE
NUM sg
PER 3
SUBCAT ⟨ NP 6 ⊕ NP 2 ⟩
compró
2
phrase
SYN
HEAD 5
SUBCAT ⟨ ⊕ ⟩
4
word
SYN
HEAD
det
AGREE 3
NUM sg
GEN masc
SUBCAT ⟨ ⊕ ⟩
el
word
SYN
HEAD 5
noun
AGREE 3
NUM sg
GEN masc
SUBCAT ⟨ D 4 ⊕ ⟩
alfajor



Esquemas de estructura de frase (adaptados)

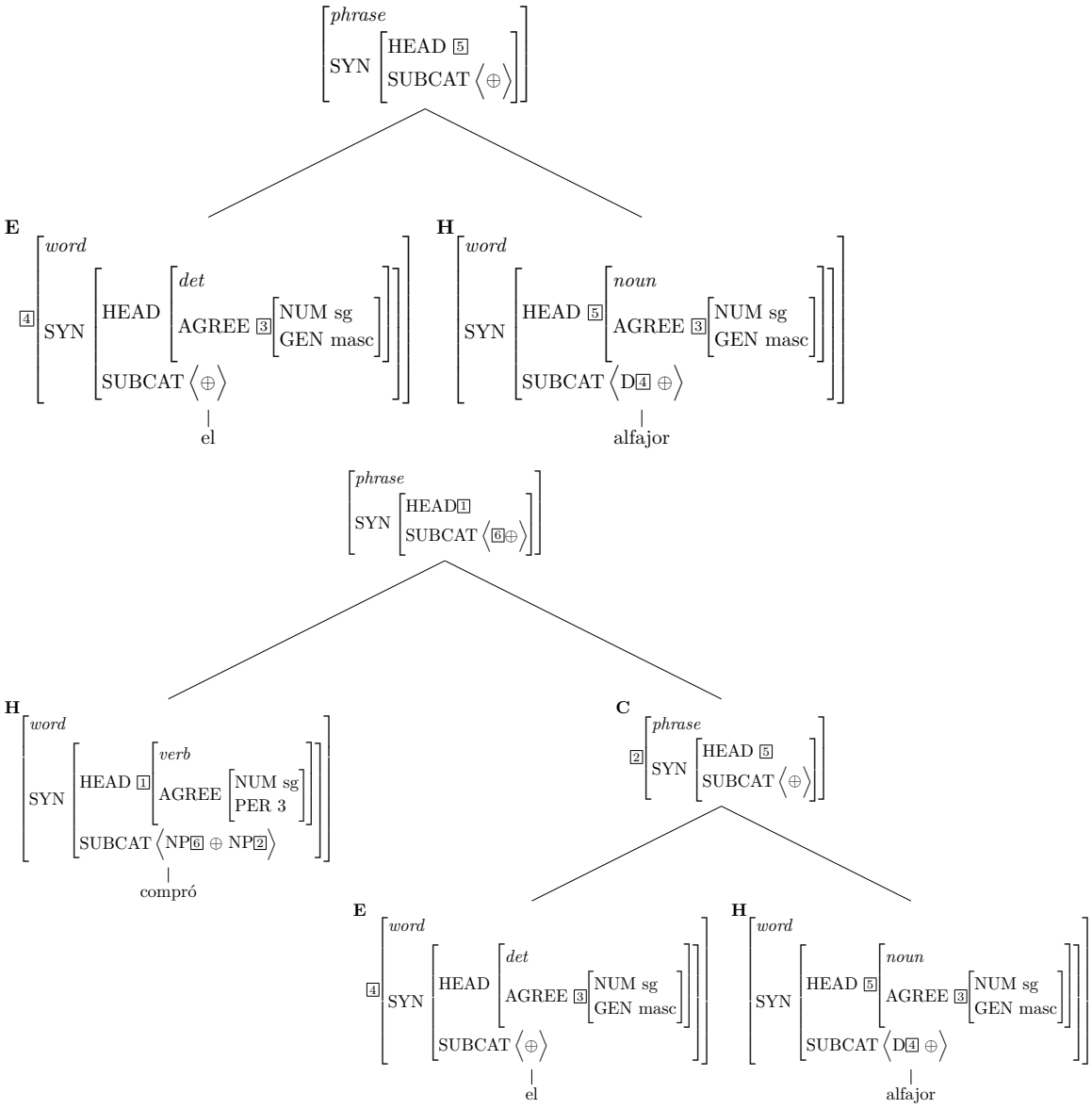
Regla para especificadores:

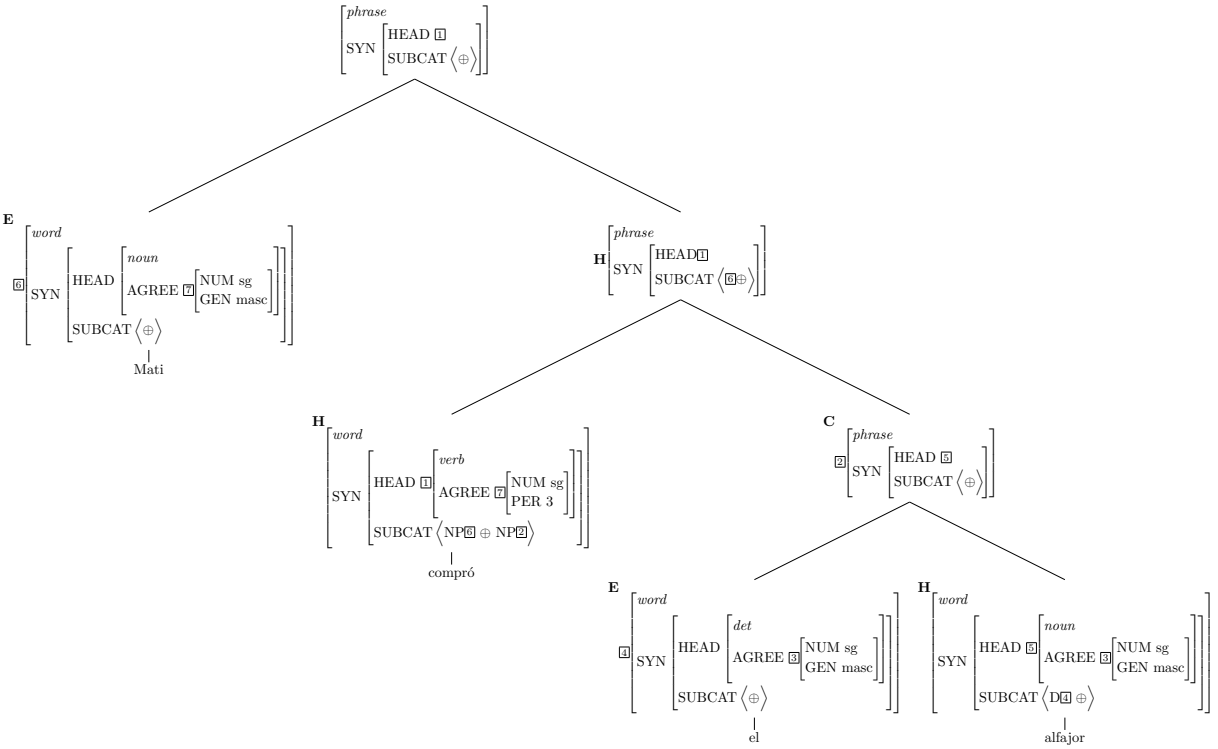
$$\begin{bmatrix} \textit{phrase} \\ \text{SYN} \begin{bmatrix} \text{HEAD } \boxed{1} \\ \text{SUBCAT } \left\langle \oplus \right\rangle \end{bmatrix} \end{bmatrix} \rightarrow \boxed{4} \begin{bmatrix} \text{SYN} \begin{bmatrix} \text{HEAD} \begin{bmatrix} \text{AGREE } \boxed{3} \end{bmatrix} \end{bmatrix} \end{bmatrix} \mathbf{H} \begin{bmatrix} \text{SYN} \begin{bmatrix} \text{HEAD } \boxed{1} \begin{bmatrix} \text{AGREE } \boxed{3} \end{bmatrix} \\ \text{SUBCAT } \left\langle \boxed{4} \oplus \right\rangle \end{bmatrix} \end{bmatrix}$$

Regla para complementos:

$$\begin{bmatrix} \textit{phrase} \\ \text{SYN} \begin{bmatrix} \text{HEAD} \boxed{1} \\ \text{AGREE } \boxed{3} \\ \text{SUBCAT } \left\langle \boxed{4} \oplus \right\rangle \end{bmatrix} \end{bmatrix} \rightarrow \mathbf{H} \begin{bmatrix} \textit{word} \\ \text{SYN} \begin{bmatrix} \text{HEAD} \boxed{1} \\ \text{AGREE } \boxed{3} \\ \text{SUBCAT } \left\langle \boxed{4} \oplus \boxed{6} \ldots \boxed{6+n} \right\rangle \end{bmatrix} \end{bmatrix} \boxed{6} \ldots \boxed{6+n}$$

Combinando una estructura transitiva con los esquemas de estructura de frase (adaptados)


phrase
SYN
HEAD 5
SUBCAT ⟨ ⊕ ⟩
E
4
word
SYN
HEAD
det
AGREE 3
NUM sg
GEN masc
SUBCAT ⟨ ⊕ ⟩
el
H
word
SYN
HEAD 5
noun
AGREE 3
NUM sg
GEN masc
SUBCAT ⟨ D4 ⊕ ⟩
alfajor
phrase
SYN
HEAD 1
SUBCAT ⟨ 6 ⊕ ⟩
H
word
SYN
HEAD 1
verb
AGREE
NUM sg
PER 3
SUBCAT ⟨ NP6 ⊕ NP2 ⟩
compró
C
2
phrase
SYN
HEAD 5
SUBCAT ⟨ ⊕ ⟩
E
4
word
SYN
HEAD
det
AGREE 3
NUM sg
GEN masc
SUBCAT ⟨ ⊕ ⟩
el
H
word
SYN
HEAD 5
noun
AGREE 3
NUM sg
GEN masc
SUBCAT ⟨ D4 ⊕ ⟩
alfajor



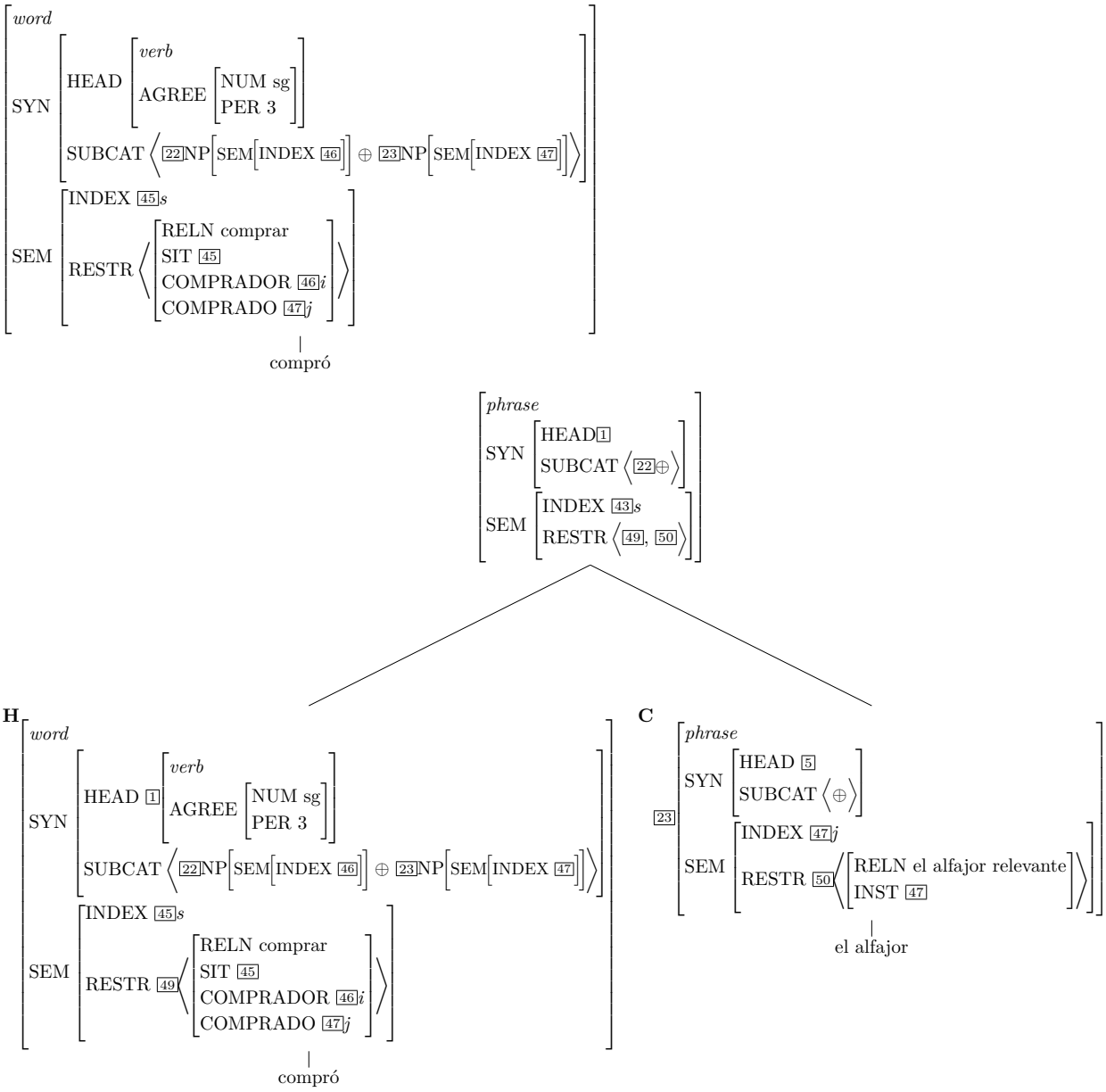
AVMs con significado

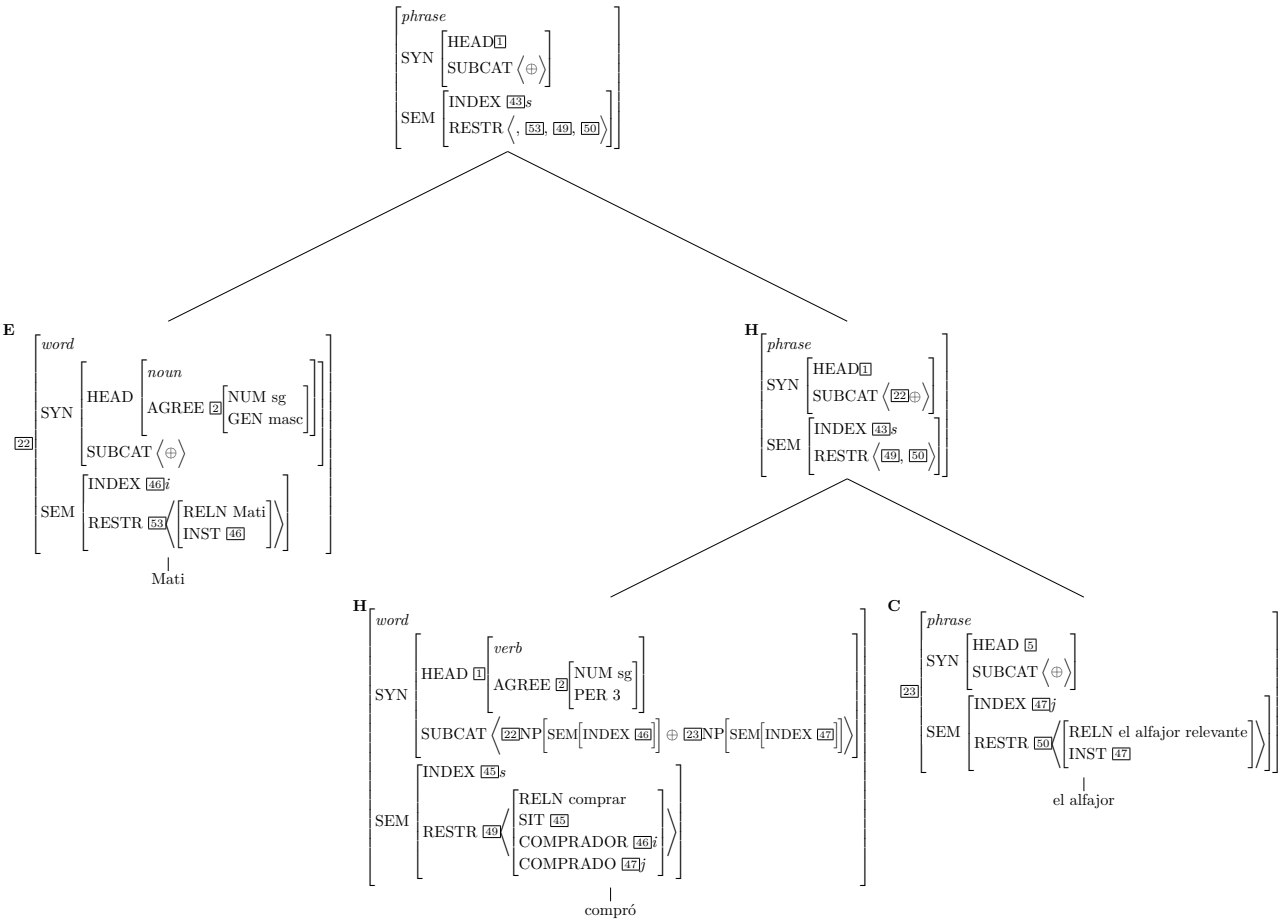
$$\left[\begin{array}{l} \textit{word} \\ \text{SYN} \left[\begin{array}{l} \text{HEAD} \left[\begin{array}{l} \textit{noun} \\ \text{AGREE} \left[\begin{array}{l} \text{NUM sg} \\ \text{GEN masc} \end{array}\right] \end{array}\right] \\ \text{SUBCAT} \left\langle \oplus \right\rangle \end{array}\right] \\ \text{SEM} \left[\begin{array}{l} \text{INDEX } \boxed{44}i \\ \text{RESTR} \left\langle \left[\begin{array}{l} \text{RELN Mati} \\ \text{INST } \boxed{44} \end{array}\right] \right\rangle \end{array}\right] \end{array}\right]$$

Mati

$$\left[\begin{array}{l} \textit{phrase} \\ \text{SYN} \left[\begin{array}{l} \text{HEAD } \boxed{5} \\ \text{SUBCAT} \left\langle \oplus \right\rangle \end{array}\right] \\ \text{SEM} \left[\begin{array}{l} \text{INDEX } \boxed{45}j \\ \text{RESTR} \left\langle \left[\begin{array}{l} \text{RELN el alfajor relevante} \\ \text{INST } \boxed{45} \end{array}\right] \right\rangle \end{array}\right] \end{array}\right]$$

el alfajor


word
SYN
HEAD
verb
AGREE
NUM sg
PER 3
SUBCAT
22 NP SEM INDEX 46
⊕
23 NP SEM INDEX 47
SEM
INDEX 45 s
RESTR
RELN comprar
SIT 45
COMPRADOR 46 i
COMPRADO 47 j
compró
phrase
SYN
HEAD 1
SUBCAT 22 ⊕
SEM
INDEX 43 s
RESTR 49, 50
H
word
SYN
HEAD 1
verb
AGREE
NUM sg
PER 3
SUBCAT
22 NP SEM INDEX 46
⊕
23 NP SEM INDEX 47
SEM
INDEX 45 s
RESTR 49
RELN comprar
SIT 45
COMPRADOR 46 i
COMPRADO 47 j
compró
C
23
phrase
SYN
HEAD 5
SUBCAT ⊕
SEM
INDEX 47 j
RESTR 50
RELN el alfajor relevante
INST 47
el alfajor



Los lexemas verbales

$$\begin{bmatrix} \textit{lexeme} \\ \text{SYN} \begin{bmatrix} \text{HEAD } \textit{verb} \\ \text{SUBCAT} \left\langle \text{NP,...} \right\rangle \end{bmatrix} \end{bmatrix}$$

Ejemplo de lexema verbal

$$\begin{bmatrix} \textit{lexeme} \\ \text{SYN} \begin{bmatrix} \text{HEAD} \left[\textit{verb} \right] \\ \text{SUBCAT} \left\langle \text{NP} \left[\text{SEM} \left[\text{INDEX } \boxed{46} \right] \right] \oplus \text{NP} \left[\text{SEM} \left[\text{INDEX } \boxed{47} \right] \right] \right\rangle \end{bmatrix} \\ \text{SEM} \begin{bmatrix} \text{INDEX } \boxed{45} s \\ \text{RESTR} \left\langle \begin{bmatrix} \text{RELN comprar} \\ \text{SIT } \boxed{45} \\ \text{COMPRADOR } \boxed{46} i \\ \text{COMPRADO } \boxed{47} j \end{bmatrix} \right\rangle \end{bmatrix} \end{bmatrix}$$

Reglas léxicas

Un molde general para las reglas léxicas flexivas:

$$\begin{bmatrix} \textit{i-rule} \\ \text{INPUT} \left\langle \text{X}, \begin{bmatrix} \textit{lexeme} \\ \text{SYN } \boxed{3} \\ \text{SEM } \boxed{5} \end{bmatrix} \right\rangle \\ \text{OUTPUT} \left\langle \text{Y}, \begin{bmatrix} \textit{word} \\ \text{SYN } \boxed{3} \\ \text{SEM } \boxed{5} \end{bmatrix} \right\rangle \end{bmatrix}$$

Regla léxica flexiva para verbos en 3 persona singular

$$\begin{bmatrix} \textit{i-rule} \\ \text{INPUT} \left\langle \boxed{1}, \begin{bmatrix} \textit{lexeme} \\ \text{SYN } \boxed{3} \begin{bmatrix} \text{HEAD } \textit{verb} \\ \text{SUBCAT } \boxed{4} \end{bmatrix} \\ \text{SEM } \boxed{5} \end{bmatrix} \right\rangle \\ \text{OUTPUT} \left\langle \text{F}_{3sg} \left\langle \boxed{1} \right\rangle, \begin{bmatrix} \textit{word} \\ \text{SYN } \boxed{3} \begin{bmatrix} \text{HEAD } \begin{bmatrix} \textit{verb} \\ \text{AGREE } \begin{bmatrix} \text{PER 3} \\ \text{NUM sg} \end{bmatrix} \end{bmatrix} \\ \text{SUBCAT } \boxed{4} \end{bmatrix} \\ \text{SEM } \boxed{5} \end{bmatrix} \right\rangle \end{bmatrix}$$

Ejemplo de regla léxica flexiva

$$\begin{bmatrix} \textit{i-rule} \\ \text{INPUT} \left\langle \boxed{1} \text{ compr–}, \begin{bmatrix} \textit{lexeme} \\ \text{SYN } \boxed{3} \begin{bmatrix} \text{HEAD } \left[\textit{verb} \right] \\ \text{SUBCAT } \boxed{4} \left\langle \text{NP} \left[\text{SEM} \left[\text{INDEX } \boxed{46} \right] \right] \oplus \text{NP} \left[\text{SEM} \left[\text{INDEX } \boxed{47} \right] \right] \right\rangle \end{bmatrix} \\ \text{SEM } \boxed{5} \begin{bmatrix} \text{INDEX } \boxed{45} s \\ \text{RESTR} \left\langle \begin{bmatrix} \text{RELN comprar} \\ \text{SIT } \boxed{45} \\ \text{COMPRADOR } \boxed{46} i \\ \text{COMPRADO } \boxed{47} j \end{bmatrix} \right\rangle \end{bmatrix} \end{bmatrix} \right\rangle \\ \text{OUTPUT} \left\langle \text{F}_{3sg} \left\langle \boxed{1} \right\rangle = \left\langle \text{compró} \right\rangle, \begin{bmatrix} \textit{word} \\ \text{SYN } \boxed{3} \begin{bmatrix} \text{HEAD } \begin{bmatrix} \textit{verb} \\ \text{AGREE } \begin{bmatrix} \text{PER 3} \\ \text{NUM sg} \end{bmatrix} \end{bmatrix} \\ \text{SUBCAT } \boxed{4} \end{bmatrix} \\ \text{SEM } \boxed{5} \end{bmatrix} \right\rangle \end{bmatrix}$$

Un molde general para las reglas léxicas derivativas

$$\begin{bmatrix} \textit{d-rule} \\ \text{INPUT} \left\langle \text{X}, \begin{bmatrix} \textit{lexeme} \\ \text{SYN } /\boxed{3} \end{bmatrix} \right\rangle \\ \text{OUTPUT} \left\langle \text{Y}, \begin{bmatrix} \textit{lexeme} \\ \text{SYN } /\boxed{3} \end{bmatrix} \right\rangle \end{bmatrix}$$

Una versión de la Regla léxica pasiva

$$\begin{bmatrix} \textit{d-rule} \\ \text{INPUT} \left\langle \boxed{1}, \begin{bmatrix} \textit{lexeme} \\ \text{SYN} \begin{bmatrix} \text{HEAD} \left[\textit{verb} \right] \\ \text{SUBCAT} \left\langle \text{NP}\boxed{3} \oplus \text{NP}\boxed{4}, \boxed{A} \right\rangle \end{bmatrix} \\ \text{SEM } \boxed{2} \end{bmatrix} \right\rangle \\ \text{OUTPUT} \left\langle \text{F}_{PSP} \left\langle \boxed{1} \right\rangle, \begin{bmatrix} \textit{lexeme} \\ \text{SYN} \begin{bmatrix} \text{HEAD} \left[\textit{partpass} \right] \\ \text{SUBCAT} \left\langle \text{NP}\boxed{4} \oplus \boxed{A}, \text{PP} \begin{bmatrix} \text{P = por} \\ \text{NP } \boxed{3} \end{bmatrix} \right\rangle \end{bmatrix} \\ \text{SEM } \boxed{2} \end{bmatrix} \right\rangle \end{bmatrix}$$

Aplicando nuestra regla léxica pasiva

$$\left\langle \text{compr-}, \begin{bmatrix} \textit{lexeme} \\ \text{SYN} \begin{bmatrix} \text{HEAD} \left[\textit{verb} \right] \\ \text{SUBCAT} \left\langle \text{NP}\left[\text{SEM}\left[\text{INDEX } \boxed{46} \right] \right] \oplus \text{NP}\left[\text{SEM}\left[\text{INDEX } \boxed{47} \right] \right] \right\rangle \end{bmatrix} \\ \text{SEM} \begin{bmatrix} \text{INDEX } \boxed{45}s \\ \text{RESTR} \left\langle \begin{bmatrix} \text{RELN comprar} \\ \text{SIT } \boxed{45} \\ \text{COMPRADOR } \boxed{46}i \\ \text{COMPRADO } \boxed{47}j \end{bmatrix} \right\rangle \end{bmatrix} \end{bmatrix} \right\rangle$$

$$\left[\begin{array}{l} \textit{d-rule} \\ \text{INPUT}\left\langle \boxed{1}\text{compr–}, \left[\begin{array}{l} \textit{lexeme} \\ \text{SYN}\left[\begin{array}{l} \text{HEAD}\left[\textit{verb}\right] \\ \text{SUBCAT}\left\langle \text{NP}\boxed{4}\left[\text{SEM}\left[\text{INDEX}\ \boxed{46}\right]\right] \oplus \text{NP}\boxed{6}\left[\text{SEM}\left[\text{INDEX}\ \boxed{47}\right]\right]\right\rangle \end{array}\right] \\ \text{SEM}\ \boxed{5}\left[\begin{array}{l} \text{INDEX}\ \boxed{45}s \\ \text{RESTR}\left\langle \left[\begin{array}{l} \text{RELN comprar} \\ \text{SIT}\ \boxed{45} \\ \text{COMPRADOR}\ \boxed{46}i \\ \text{COMPRADO}\ \boxed{47}j \end{array}\right]\right\rangle \end{array}\right] \end{array}\right]\right\rangle \\ \text{OUTPUT}\left\langle \text{F}_{PSP}\left\langle \boxed{1}\right\rangle = \left\langle \text{comprad-}\right\rangle, \left[\begin{array}{l} \textit{lexeme} \\ \text{SYN}\left[\begin{array}{l} \text{HEAD}\left[\textit{part-pass}\right] \\ \text{SUBCAT}\left\langle \text{NP}\boxed{6} \oplus \text{PP}\left[\begin{array}{l}\text{P = por}\\ \text{NP}\ \boxed{4}\end{array}\right]\right\rangle \end{array}\right] \\ \text{SEM}\ \boxed{5} \end{array}\right]\right\rangle \end{array}\right]$$

$$\left\langle \left\langle \text{comprad-}\right\rangle, \left[\begin{array}{l} \textit{lexeme} \\ \text{SYN}\left[\begin{array}{l} \text{HEAD}\left[\textit{part-pass}\right] \\ \text{SUBCAT}\left\langle \text{NP}\left[\text{SEM}\left[\text{INDEX}\ \boxed{47}\right]\right] \oplus \text{PP}\left[\begin{array}{l}\text{P = por}\\ \text{NP}\ \left[\text{SEM}\left[\text{INDEX}\ \boxed{46}\right]\right]\end{array}\right]\right\rangle \end{array}\right] \\ \text{SEM}\ \boxed{5}\left[\begin{array}{l} \text{INDEX}\ \boxed{45}s \\ \text{RESTR}\left\langle \left[\begin{array}{l} \text{RELN comprar} \\ \text{SIT}\ \boxed{45} \\ \text{COMPRADOR}\ \boxed{46}i \\ \text{COMPRADO}\ \boxed{47}j \end{array}\right]\right\rangle \end{array}\right] \end{array}\right]\right\rangle$$

Regla léxica para participios masculinos singulares

$$\left[\begin{array}{l} \textit{i-rule} \\ \text{INPUT}\left\langle \boxed{1}, \left[\begin{array}{l} \textit{lexeme} \\ \text{SYN}\ \boxed{3}\left[\begin{array}{l} \text{HEAD}\ \textit{part-pass} \\ \text{SUBCAT}\ \boxed{4} \end{array}\right] \\ \text{SEM}\ \boxed{5} \end{array}\right]\right\rangle \\ \text{OUTPUT}\left\langle \text{F}_{masc-sg}\left\langle \boxed{1}\right\rangle \left[\begin{array}{l} \textit{word} \\ \text{SYN}\ \boxed{3}\left[\begin{array}{l} \text{HEAD}\left[\begin{array}{l} \textit{verb} \\ \text{AGREE}\left[\begin{array}{l}\text{GEN masc}\\ \text{NUM sg}\end{array}\right] \end{array}\right] \\ \text{SUBCAT}\ \boxed{4} \end{array}\right] \\ \text{SEM}\ \boxed{5} \end{array}\right]\right\rangle \end{array}\right]$$

Regla léxica para participios femeninos singulares

$$\left[\begin{array}{l} \textit{i-rule} \\ \text{INPUT}\left\langle \boxed{1}, \left[\begin{array}{l} \textit{lexeme} \\ \text{SYN } \boxed{3}\left[\begin{array}{l}\text{HEAD } \textit{part-pass} \\ \text{SUBCAT } \boxed{4}\end{array}\right] \\ \text{SEM } \boxed{5}\end{array}\right]\right\rangle \\ \text{OUTPUT}\left\langle \text{F}_{masc-sg}\left\langle \boxed{1}\right\rangle \left[\begin{array}{l} \textit{word} \\ \text{SYN } \boxed{3}\left[\begin{array}{l}\text{HEAD } \left[\begin{array}{l}\textit{part-pass} \\ \text{AGREE } \left[\begin{array}{l}\text{GEN fem} \\ \text{NUM sg}\end{array}\right]\end{array}\right] \\ \text{SUBCAT } \boxed{4}\end{array}\right] \\ \text{SEM } \boxed{5}\end{array}\right]\right\rangle \end{array}\right]$$

Aplicando nuestra regla flexiva para participios

$$\left\langle \left\langle \text{comprad-}\right\rangle, \left[\begin{array}{l} \textit{lexeme} \\ \text{SYN } \left[\begin{array}{l}\text{HEAD } \left[\textit{part-pass}\right] \\ \text{SUBCAT } \left\langle \text{NP}\left[\text{SEM}\left[\text{INDEX } \boxed{47}\right]\right] \oplus \text{PP}\left[\begin{array}{l}\text{P = por} \\ \text{NP } \left[\text{SEM}\left[\text{INDEX } \boxed{46}\right]\right]\end{array}\right]\right\rangle\end{array}\right] \\ \text{SEM } \boxed{5}\left[\begin{array}{l}\text{INDEX } \boxed{45}s \\ \text{RESTR } \left\langle \left[\begin{array}{l}\text{RELN comprar} \\ \text{SIT } \boxed{45} \\ \text{COMPRADOR } \boxed{46}i \\ \text{COMPRADO } \boxed{47}j\end{array}\right]\right\rangle\end{array}\right]\end{array}\right]\right\rangle$$

$$\left[\begin{array}{l} \text{INPUT}\left\langle \left\langle \text{comprad-}\right\rangle, \left[\begin{array}{l} \textit{lexeme} \\ \text{SYN } \boxed{4}\left[\begin{array}{l}\text{HEAD } \left[\textit{part-pass}\right] \\ \text{SUBCAT } \left\langle \text{NP}\left[\text{SEM}\boxed{5}\left[\text{INDEX } \boxed{47}\right]\right] \oplus \text{PP}\left[\begin{array}{l}\text{P = por} \\ \text{NP } \left[\text{SEM}\left[\text{INDEX } \boxed{46}\right]\right]\end{array}\right]\right\rangle\end{array}\right] \\ \text{SEM } \boxed{5}\left[\begin{array}{l}\text{INDEX } \boxed{45}s \\ \text{RESTR } \left\langle \left[\begin{array}{l}\text{RELN comprar} \\ \text{SIT } \boxed{45} \\ \text{COMPRADOR } \boxed{46}i \\ \text{COMPRADO } \boxed{47}j\end{array}\right]\right\rangle\end{array}\right]\end{array}\right]\right\rangle \\ \text{OUTPUT}\left\langle \left\langle \text{comprado}\right\rangle, \left[\begin{array}{l} \textit{word} \\ \text{SYN } \boxed{4}\left[\text{HEAD}\left[\text{AGREE}\left[\begin{array}{l}\text{GEN masc} \\ \text{Num sg}\end{array}\right]\right]\right] \\ \text{SEM}\boxed{5}\end{array}\right]\right\rangle \end{array}\right]$$

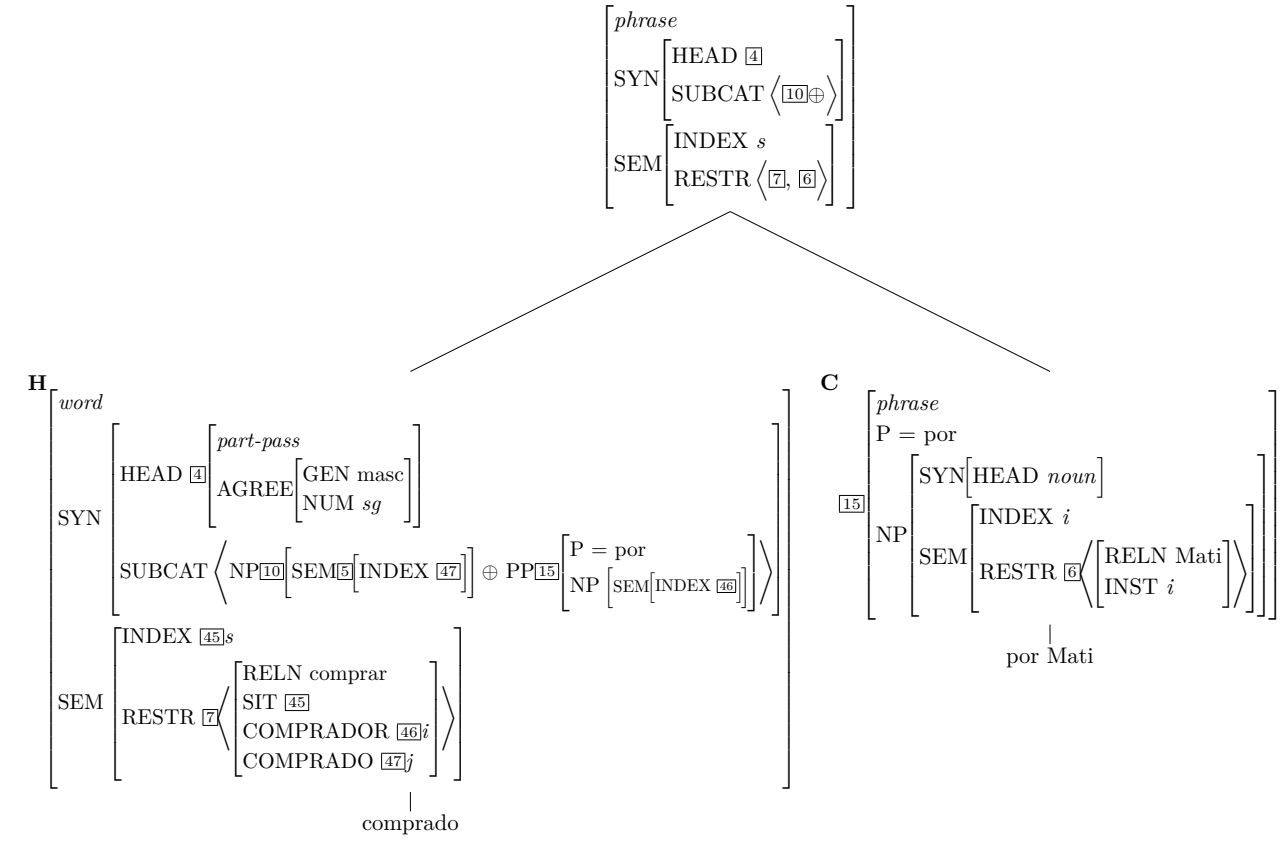
$$\begin{bmatrix} \textit{word} & \\ \text{SYN}\ \boxed{4} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \textit{part-pass} & \\ \text{AGREE} & \begin{bmatrix} \text{GEN masc} \\ \text{NUM } \textit{sg} \end{bmatrix} \end{bmatrix} \\ \text{SUBCAT} & \left\langle \text{NP}\left[\text{SEM}\boxed{5}\left[\text{INDEX }\boxed{47}\right]\right] \oplus \text{PP}\begin{bmatrix} \text{P = por} \\ \text{NP}\left[\text{SEM}\left[\text{INDEX }\boxed{46}\right]\right] \end{bmatrix} \right\rangle \end{bmatrix} \\ \text{SEM} & \begin{bmatrix} \text{INDEX }\boxed{45}s & \\ \text{RESTR} & \left\langle \begin{bmatrix} \text{RELN comprar} \\ \text{SIT }\boxed{45} \\ \text{COMPRADOR }\boxed{46}i \\ \text{COMPRADO }\boxed{47}j \end{bmatrix} \right\rangle \end{bmatrix} \end{bmatrix}$$

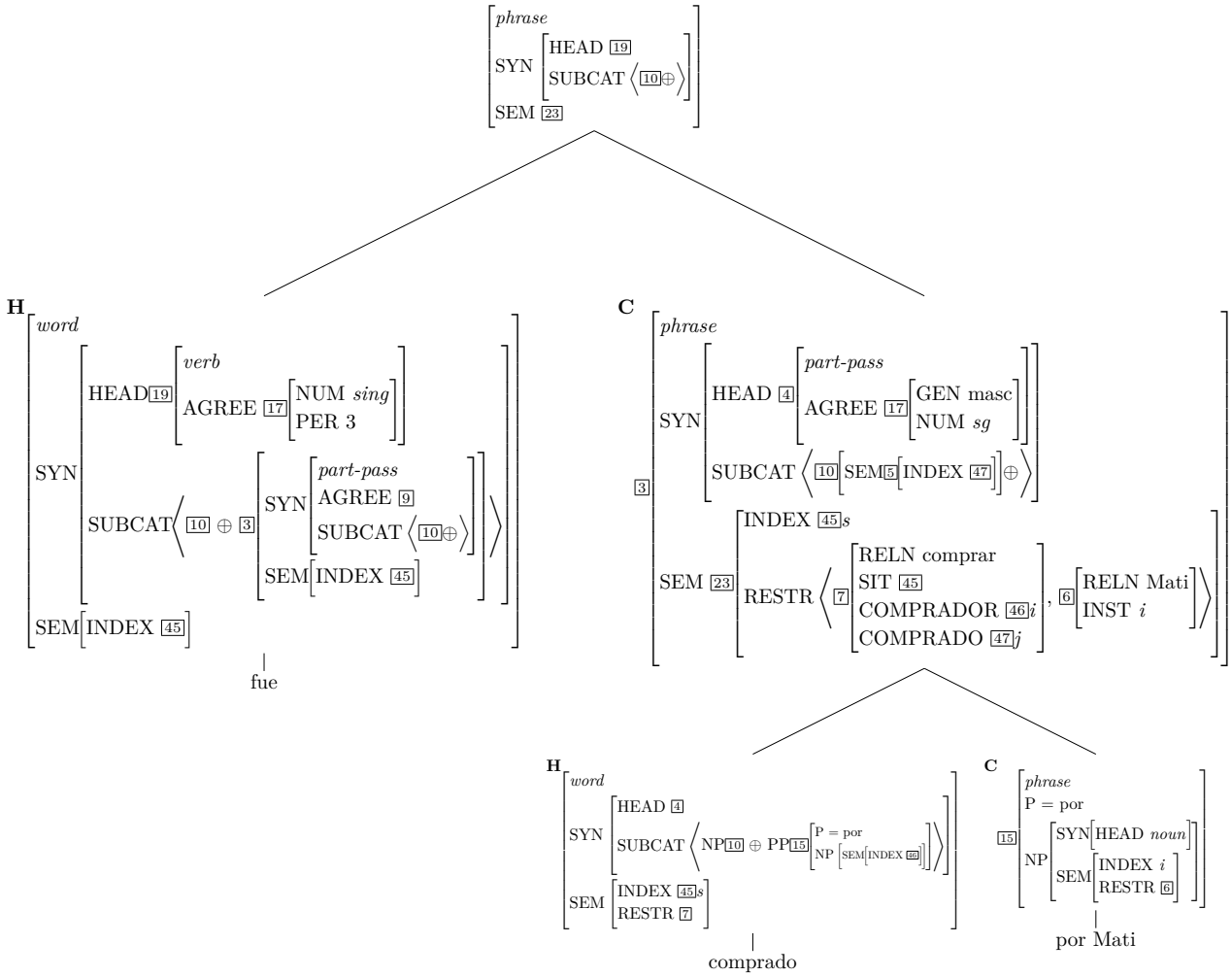
comprado

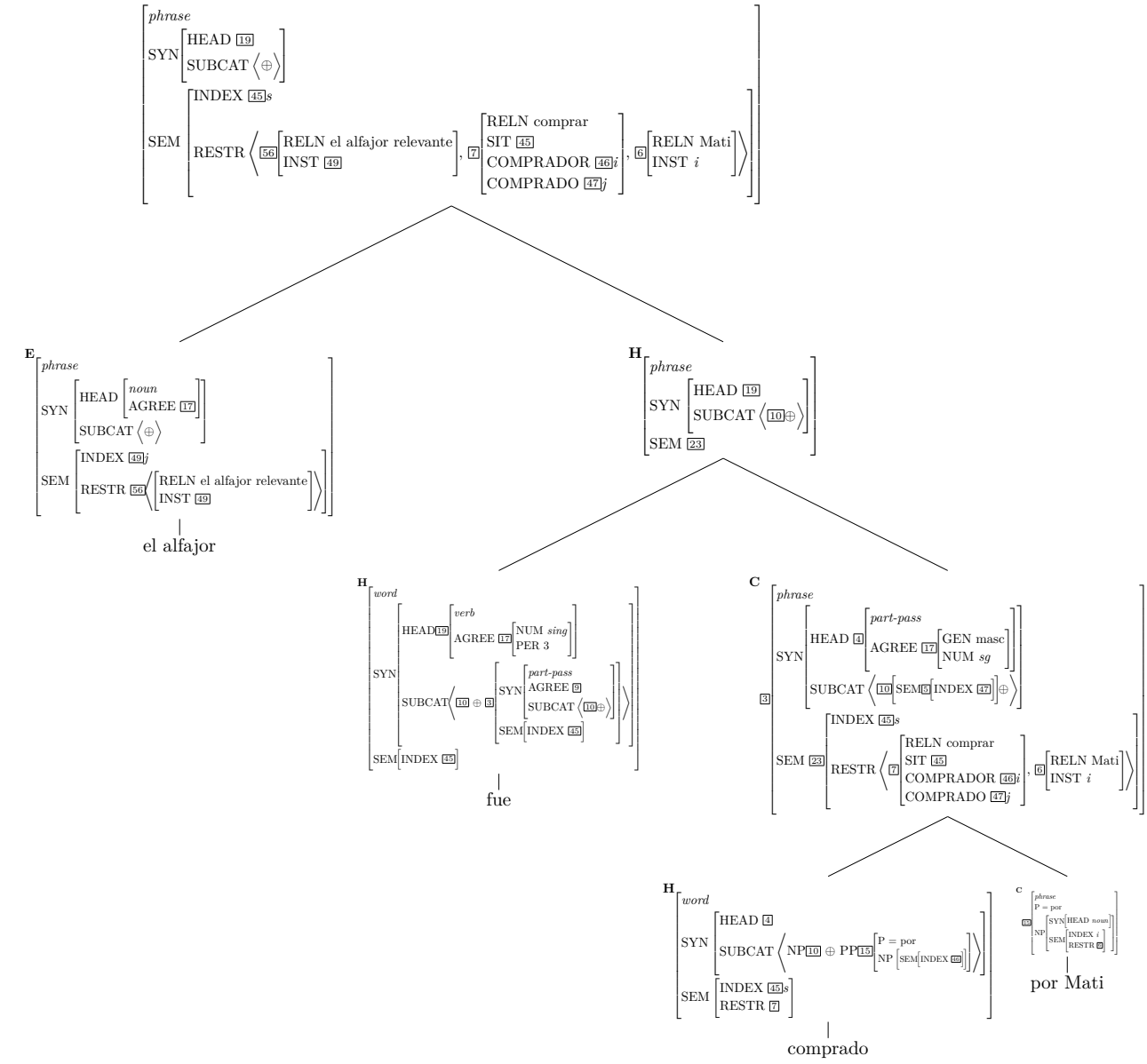
el verbo *ser*

$$\left\langle \text{fue}, \begin{bmatrix} \textit{word} & \\ \text{SYN} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \textit{verb} & \\ \text{AGREE }\boxed{4} & \begin{bmatrix} \text{NUM } \textit{sing} \\ \text{PER 3} \end{bmatrix} \end{bmatrix} \\ \text{SUBCAT} & \left\langle \boxed{2} \oplus \boxed{3} \begin{bmatrix} \text{SYN} & \begin{bmatrix} \textit{part-pass} & \\ \text{AGREE }\boxed{4} & \\ \text{SUBCAT} & \left\langle \boxed{2} \oplus \right\rangle \end{bmatrix} \\ \text{SEM} & \left[\text{INDEX }\boxed{1}\right] \end{bmatrix} \right\rangle \end{bmatrix} \\ \text{SEM} & \left[\text{INDEX }\boxed{1}\right] \end{bmatrix} \right\rangle$$

Construyendo una estructura pasiva


phrase
SYN
HEAD 4
SUBCAT ⟨10⊕⟩
SEM
INDEX s
RESTR ⟨7, 6⟩
H
word
SYN
HEAD 4
part-pass
AGREE
GEN masc
NUM sg
SUBCAT ⟨ NP10 SEM5 INDEX 47 ⊕ PP15 P = por NP SEM INDEX 46 ⟩
SEM
INDEX 45 s
RESTR 7 ⟨ RELN comprar SIT 45 COMPRADOR 46 i COMPRADO 47 j ⟩
comprado
C
15
phrase
P = por
NP
SYN HEAD noun
SEM
INDEX i
RESTR 6 ⟨ RELN Mati INST i ⟩
por Mati


phrase
SYN
HEAD 19
SUBCAT ⟨ 10 ⊕ ⟩
SEM 23
H
word
SYN
HEAD 19
verb
AGREE 17
NUM sing
PER 3
SUBCAT ⟨ 10 ⊕ 3 ⟩
part-pass
AGREE 9
SUBCAT ⟨ 10 ⊕ ⟩
SEM
INDEX 45
SEM
INDEX 45
fue
C
3
phrase
SYN
HEAD 4
part-pass
AGREE 17
GEN masc
NUM sg
SUBCAT ⟨ 10 SEM 5 INDEX 47 ⊕ ⟩
SEM 23
INDEX 45 s
RESTR ⟨ 7
RELN comprar
SIT 45
COMPRADOR 46 i
COMPRADO 47 j
, 6
RELN Mati
INST i ⟩
H
word
SYN
HEAD 4
SUBCAT ⟨ NP 10 ⊕ PP 15
P = por
NP SEM INDEX 69 ⟩
SEM
INDEX 45 s
RESTR 7
comprado
C
15
phrase
P = por
NP
SYN HEAD noun
SEM
INDEX i
RESTR 6
por Mati


phrase
SYN HEAD 19
SUBCAT ⟨ ⊕ ⟩
SEM INDEX 45 s
RESTR ⟨ 56 [RELN el alfajor relevante, INST 49], 7 [RELN comprar, SIT 45, COMPRADOR 46 i, COMPRADO 47 j], 6 [RELN Mati, INST i] ⟩
E
phrase
SYN HEAD noun AGREE 17
SUBCAT ⟨ ⊕ ⟩
SEM INDEX 49 j
RESTR 56 ⟨ RELN el alfajor relevante, INST 49 ⟩
el alfajor
H
phrase
SYN HEAD 19
SUBCAT ⟨ 10 ⊕ ⟩
SEM 23
H
word
HEAD 19 verb
AGREE 17 NUM sing, PER 3
SUBCAT ⟨ 10 ⊕ 9 [SYN part-pass AGREE 9, SUBCAT ⟨ 10 ⊕ ⟩, SEM INDEX 45] ⟩
SEM INDEX 45
fue
C
phrase
3
SYN HEAD 4 part-pass
AGREE 17 GEN masc, NUM sg
SUBCAT ⟨ 10 [SEM 5 [INDEX 47]] ⊕ ⟩
SEM 23
INDEX 45 s
RESTR ⟨ 7 [RELN comprar, SIT 45, COMPRADOR 46 i, COMPRADO 47 j], 6 [RELN Mati, INST i] ⟩
H
word
SYN HEAD 4
SUBCAT ⟨ NP 10 ⊕ PP 15 [P = por, NP [SEM [INDEX 49]]] ⟩
SEM INDEX 45 s, RESTR 7
comprado
C
phrase
P = por
49
NP
SYN [HEAD noun]
SEM [INDEX i, RESTR 6]
por Mati