Grammar 24: Selecting for particular words

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A new head feature: LEXICAL-ID

$$\begin{bmatrix} \textit{sign} \\ \text{SYNTAX} \quad \begin{bmatrix} \text{HEAD} \quad \begin{bmatrix} \textit{part-of-speech} \\ \text{LEXICAL-ID} \quad \textit{lexical-id or non-selectable} \end{bmatrix} \end{bmatrix} \end{bmatrix}$$

Examples: depend on

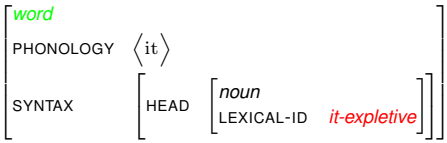
$$\begin{bmatrix} \textit{word} \\ \text{PHONOLOGY} & \langle \text{on} \rangle \\ \text{SYNTAX} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \textit{preposition} \\ \text{LEXICAL-ID} & \textit{on} \end{bmatrix} \end{bmatrix} \end{bmatrix}$$

$$\begin{bmatrix} \textit{lexeme} \\ \text{PHONOLOGY} & \langle \text{depend} \rangle \\ \text{SYNTAX} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \textit{verb} \\ \text{LEXICAL-ID} & \textit{non-selectable} \end{bmatrix} \\ \text{VALENCE} & \begin{bmatrix} \text{SPR} & \langle \text{NOUN} \rangle \\ \text{COMPS} & \left\langle \begin{bmatrix} \textit{preposition} \\ \text{LEXICAL-ID} & \textit{on} \end{bmatrix} \right\rangle \end{bmatrix} \end{bmatrix} \end{bmatrix}$$

Examples: look the word up

$$\begin{bmatrix} \textit{word} & & \\ \text{PHONOLOGY} & \langle \text{up} \rangle & \\ \text{SYNTAX} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \textit{preposition} & \\ \text{LEXICAL-ID} & \textit{up} \end{bmatrix} \end{bmatrix} \end{bmatrix}$$

Examples: It rains.



Examples: It smokes.

$$\begin{bmatrix} \textit{word} \\ \text{PHONOLOGY} & \langle \text{it} \rangle \\ \text{SYNTAX} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \textit{noun} \\ \text{LEXICAL-ID} & \textit{non-selectable} \end{bmatrix} \end{bmatrix} \end{bmatrix}$$

Excercises

1. Parse the words “on”, “up”, and “in” and inspect the results. Note the different values of the new head feature LEXICAL-ID!
2. Now check what kind of complement the two words “depend” and “look” require. Again, note the value of the complement’s head feature LEXICAL-ID!
3. Parse the word “rain”! What is noteworthy about it?
4. Parse the word “it”! Why do you get so many solutions?
5. Parse test items (275)-(294) and explain why you get the results you get and their number!