Chapter 12, Problem 3: Lexical Entries for Adjectives

A. The types *subject-raising-adjective-lexeme* and *subject-control-adjective-lexeme* will contain exactly the same constraints listed in their verbal counterparts (that is, *srv-lxm* and *scv-lxm*, respectively), as given in Chapter 12. The primary difference will be where they appear on the type hierarchy: instead of being subtypes of *verb-lxm*, they are subtypes of *adj-lxm*. In addition, they should be marked [PRED +].[1] Thus, the requested types are:

subject-raising-adjective-lexeme:

$$
\begin{bmatrix}
\text{SYN} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \text{PRED} & + \end{bmatrix} \end{bmatrix} \\[2ex]
\text{ARG-ST} & \left\langle \boxed{1}, \begin{bmatrix} & \text{VP} \\ \text{SYN} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \text{FORM} & \text{inf} \end{bmatrix} \\ \text{VAL} & \begin{bmatrix} \text{SPR} & \langle \boxed{1} \rangle \end{bmatrix} \end{bmatrix} \\ \text{SEM} & \begin{bmatrix} \text{INDEX} & s \end{bmatrix} \end{bmatrix} \right\rangle \\[2ex]
\text{SEM} & \begin{bmatrix} \text{RELN} & \left\langle \begin{bmatrix} \text{ARG} & s \end{bmatrix} \right\rangle \end{bmatrix}
\end{bmatrix}
$$

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[1]In a fuller treatment, [PRED +] would probably be inherited from *adj-lxm*, where it would be a default.

subject-control-adjective-lexeme:

$$
\begin{bmatrix}
\text{SYN} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \text{PRED} & + \end{bmatrix} \end{bmatrix} \\[4pt]
\text{ARG-ST} & \left\langle \text{NP}_i \, , \begin{bmatrix} & & \text{VP} \\ \text{SYN} & \begin{bmatrix} \text{HEAD} & \begin{bmatrix} \text{FORM} & \text{inf} \end{bmatrix} \\ \text{VAL} & \begin{bmatrix} \text{SPR} & \langle \, \text{NP}_i \, \rangle \end{bmatrix} \end{bmatrix} \\ \text{SEM} & \begin{bmatrix} \text{INDEX} & s \end{bmatrix} \end{bmatrix} \right\rangle \\[4pt]
\text{SEM} & \begin{bmatrix} \text{RESTR} & \left\langle \begin{bmatrix} \text{ARG} & s \end{bmatrix} \right\rangle \end{bmatrix}
\end{bmatrix}
$$

B. These, too, are extremely similar to their verbal counterparts.

$$
\left\langle \text{likely} \, , \begin{bmatrix}
\textit{sra-lxm} \\
\text{SEM} & \begin{bmatrix} \text{INDEX} & s \\ \text{RESTR} & \left\langle \begin{bmatrix} \text{RELN} & \text{likely} \\ \text{SIT} & s \end{bmatrix} \right\rangle \end{bmatrix}
\end{bmatrix} \right\rangle
$$

$$
\left\langle \text{eager} \, , \begin{bmatrix}
\textit{sca-lxm} \\
\text{ARG-ST} & \left\langle \text{NP}_i \, , \, ... \right\rangle \\
\text{SEM} & \begin{bmatrix} \text{INDEX} & s \\ \text{RESTR} & \left\langle \begin{bmatrix} \text{RELN} & \text{eager} \\ \text{SIT} & s \\ \text{BEAVER} & i \end{bmatrix} \right\rangle \end{bmatrix}
\end{bmatrix} \right\rangle
$$