Chapter 11, Problem 4: An Annoying Exercise

A.

$$\left\langle \text{annoys} , \begin{bmatrix} \textit{word} & & \\ \text{SYN} & \text{HEAD} & \begin{bmatrix} \textit{verb} & \\ \text{AGR} & \boxed{3}\textit{3sing} \\ \text{FORM} & \text{fin} \\ \text{PRED} & - \end{bmatrix} \\ & \text{VAL} & \begin{bmatrix} \text{SPR} & \langle\, \boxed{1}[\text{AGR } \boxed{3}]\, \rangle \\ \text{COMPS} & \langle\, \boxed{2}\, \rangle \\ \text{MOD} & \langle\, \rangle \end{bmatrix} \\ \text{ARG-ST} & \left\langle \boxed{1}\begin{bmatrix} \text{HEAD} & \begin{bmatrix} \textit{nominal} \\ \text{CASE nom} \end{bmatrix} \\ \text{VAL} & \begin{bmatrix} \text{SPR} & \langle\, \rangle \\ \text{COMPS} & \langle\, \rangle \end{bmatrix} \\ \text{INDEX} & \boxed{4} \end{bmatrix}, \boxed{2}\text{NP}_i \right\rangle \\ \text{SEM} & \begin{bmatrix} \text{INDEX} & s \\ \text{MODE} & \text{prop} \\ \text{RESTR} & \left\langle \begin{bmatrix} \text{RELN} & \text{annoy} \\ \text{SIT} & s \\ \text{ANNOYED} & i \\ \text{ANNOYANCE} & \boxed{4} \end{bmatrix} \right\rangle \end{bmatrix} \end{bmatrix} \right\rangle$$

B.

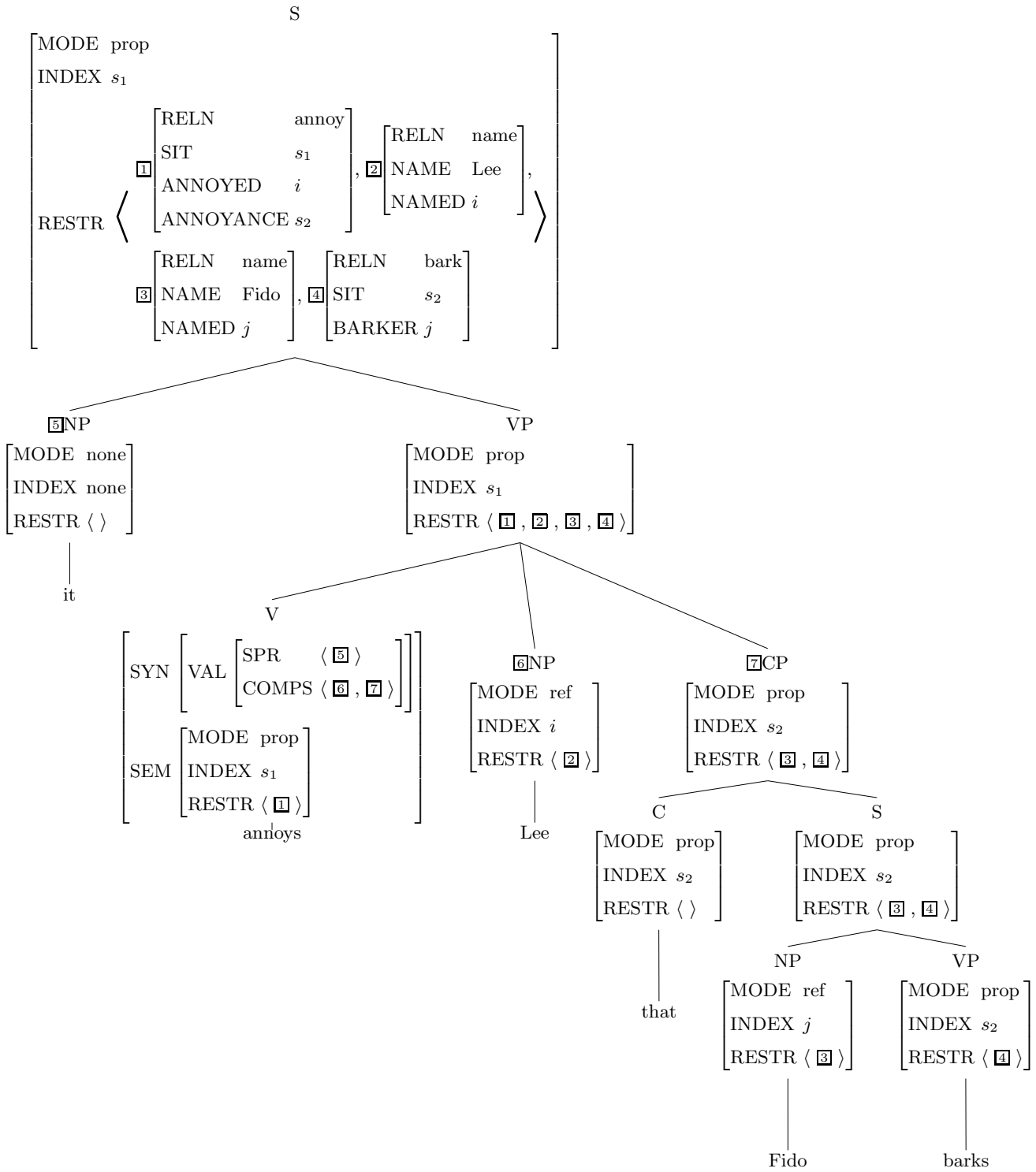
$$\left\langle \text{annoys} , \begin{bmatrix} \textit{word} & & \\ \text{SYN} & \text{HEAD} & \begin{bmatrix} \textit{verb} & \\ \text{AGR} & \boxed{3}\textit{3sing} \\ \text{FORM} & \text{fin} \\ \text{PRED} & - \end{bmatrix} \\ & \text{VAL} & \begin{bmatrix} \text{SPR} & \langle\, \boxed{5}\text{NP[FORM it]} \rangle \\ \text{COMPS} & \langle\, \boxed{2}\, , \boxed{1}\text{CP[AGR } \boxed{3}]\, \rangle \\ \text{MOD} & \langle\, \rangle \end{bmatrix} \\ \text{ARG-ST} & \left\langle \boxed{5} , \boxed{2}\text{NP}_i , \boxed{1}\left[\text{INDEX } \boxed{4}\right] \right\rangle \\ \text{SEM} & \begin{bmatrix} \text{INDEX} & s \\ \text{MODE} & \text{prop} \\ \text{RESTR} & \left\langle \begin{bmatrix} \text{RELN} & \text{annoy} \\ \text{SIT} & s \\ \text{ANNOYED} & i \\ \text{ANNOYANCE} & \boxed{4} \end{bmatrix} \right\rangle \end{bmatrix} \end{bmatrix} \right\rangle$$

Note that this *word* has a specific value for ARG-ST, even though the Extraposition Lexical Rule doesn't say anything about the ARG-ST of the output. This is because the ARP is a constraint on

type *word* and the output is still a word, so it must obey the ARP.

Note also that this verb actually agrees with its second complement, not its specifier. As it happens, CPs and *it* are both [AGR *3sing*], so this will not cause any problems.

C.



D. The grammar doesn't also license (iv) because of the constraint on the input of the Extraposition Lexical Rule which resolves the specifier to [HEAD comp] (from [HEAD nominal]). This argument is identified with the last comlement of the output, which must therefore be a CP, not an NP.