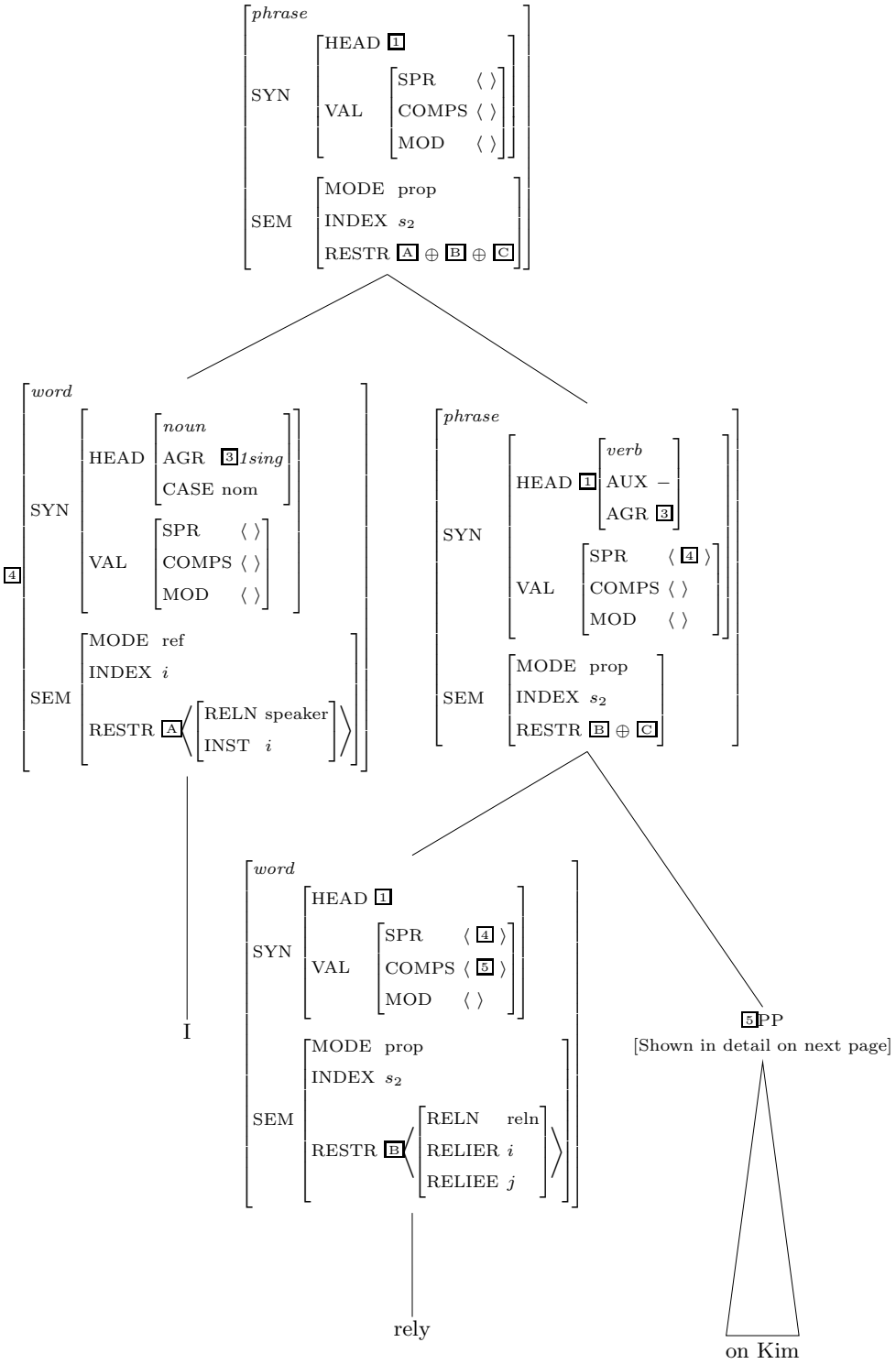
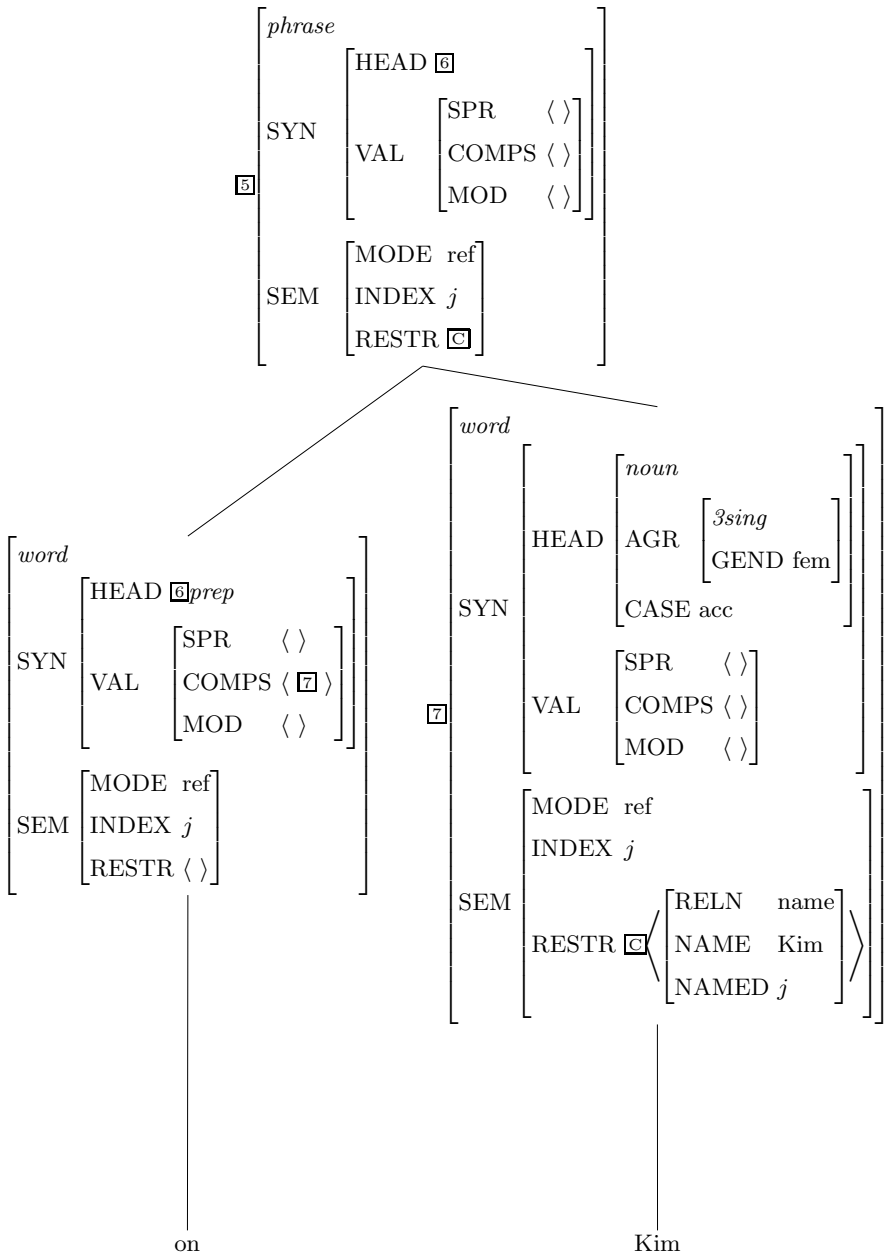
Chapter 6, Problem 1: A Sentence

A.





Since the proper name *Kim* is underspecified for the feature GEND, our grammar will license two fully resolved tree structures for this sentence. We have chosen to depict the one with [GEND fem] here.

B. On the VP node:

phrase	Head-Complement Rule
$\left[\text{HEAD} \begin{bmatrix} \textit{verb} \\ \text{AUX} \quad - \end{bmatrix}\right]$	Head-Feature Principle, lexical entry for *rely*
$\left[\text{AGR} \quad \textit{1sing}\right]$	SHAC, lexical entry for *I*, Valence Principle, Head-Specifier Rule
$\begin{bmatrix} \text{SPR} \quad \langle \boxed{4} \rangle \\ \text{MOD} \quad \langle\ \rangle \end{bmatrix}$	Valence Principle, lexical entry for *rely*
$\left[\text{COMPS} \quad \langle\ \rangle\right]$	Head-Complement Rule
$\begin{bmatrix} \text{MODE} \quad \text{prop} \\ \text{INDEX} \quad s_2 \end{bmatrix}$	Semantic Inheritance Principle, lexical entry for *rely*
$\left[\text{RESTR} \quad \boxed{B} \oplus \boxed{C}\right]$	Semantic Compositionality Principle, lexical entries for *rely* and *Kim*

On the PP node:

phrase	Head-Complement Rule
$\left[\text{HEAD} \quad \textit{prep}\right]$	Head-Feature Principle, lexical entry for *on*
$\begin{bmatrix} \text{SPR} \quad \langle\ \rangle \\ \text{MOD} \quad \langle\ \rangle \end{bmatrix}$	Valence Principle, lexical entry for *on*
$\left[\text{COMPS} \quad \langle\ \rangle\right]$	Head-Complement Rule
$\begin{bmatrix} \text{MODE} \quad \text{ref} \\ \text{INDEX} \quad j \end{bmatrix}$	Semantic Inheritance Principle, lexical entries for *on* and *Kim*, Head Complement Rule
$\left[\text{RESTR} \quad \boxed{C}\right]$	Semantic Compositionality Principle, lexical entry for *Kim*, Head Complement Rule