

Chapter 4, Problem 4: Complements and Specifiers in Pipil

- A. The VPs in (i), (iii) and (vii) are head-initial, just like English VPs, so the same Head-Complement Rule used for English will work for Pipil as well (for the VPs, at least).

$$\left[\begin{array}{c} \textit{phrase} \\ \text{VAL} \quad \left[\text{COMPS} \quad \langle \rangle \rangle \right] \end{array} \right] \rightarrow \mathbf{H} \left[\begin{array}{c} \textit{word} \\ \text{VAL} \quad \left[\text{COMPS} \quad \langle \boxed{1}, \dots, \boxed{n} \rangle \right] \end{array} \right] \boxed{1} \dots \boxed{n}$$

- B. Pipil needs two Head-Specifier Rules. The order of the head and specifier is different for NP than for S. The rules could look like this:

Rule for S:

$$\left[\begin{array}{c} \textit{phrase} \\ \text{HEAD} \quad \textit{verb} \\ \text{VAL} \quad \left[\text{SPR} \quad \langle \rangle \rangle \right] \end{array} \right] \rightarrow \mathbf{H} \left[\begin{array}{c} \text{VAL} \quad \left[\text{SPR} \quad \langle \boxed{1} \rangle \rangle \right] \\ \text{COMPS} \quad \langle \rangle \rangle \end{array} \right] \boxed{1}$$

Rule for NP:

$$\left[\begin{array}{c} \textit{phrase} \\ \text{HEAD} \quad \textit{noun} \\ \text{VAL} \quad \left[\text{SPR} \quad \langle \rangle \rangle \right] \end{array} \right] \rightarrow \boxed{1} \mathbf{H} \left[\begin{array}{c} \text{VAL} \quad \left[\text{SPR} \quad \langle \boxed{1} \rangle \rangle \right] \\ \text{COMPS} \quad \langle \rangle \rangle \end{array} \right]$$