

Problem 4. S = subject, O = object

$$\begin{aligned}
 & \bullet \begin{array}{|l|l|} \hline \mathbf{ni-}: & \begin{array}{l} \text{2nd person} \notin \{S, O\} \\ \wedge \text{1st person} \in \{S, O\} \end{array} \\ \hline \mathbf{ki-}: & \text{2nd person} \in \{S, O\} \\ \hline \end{array} + \text{root} + \begin{array}{|c|c|c|} \hline & S & O & \\ \hline 1|2 & 3 & -\bar{a}(w) \\ 1 & 2 & -it-in \\ \hline 2 & 1 & -in \\ 3 & 1|2 & -ik(o|w) \\ \hline \end{array} + \\
 & + \begin{array}{|l|l|} \hline \text{1st person pl} \in \{S, O\} : & -(\mathbf{n})\bar{a}n \\ \hline \text{2nd person pl} \in \{S, O\} \\ \wedge \text{1st person pl} \notin \{S, O\} : & -(\bar{a})w\bar{a}w \\ \hline \end{array} + \begin{array}{|l|} \hline \text{3rd person pl} \in \{S, O\} : & -(\mathbf{w})ak \\ \hline \end{array} \\
 & \bullet \left. \begin{array}{l} \bar{e}- \text{ as } \dots \\ \emptyset- \text{ if } \dots \end{array} \right\} + \text{root} + \begin{array}{|c|c|c|} \hline & S & O & \\ \hline 1|2 & 3 & -\bar{a}(w) \\ 3 & 1|2 & -ik(o|w) \\ \hline \end{array} + \begin{array}{|l|} \hline \{S, O\} \\ \hline \{ \text{2nd person pl, 3rd person sg} \} : & -y\bar{e}k \\ \{ \text{1st person pl, 3rd person pl} \} : & -y\bar{a}hk\bar{w}\bar{a}w \\ \hline \text{etc.} \\ \hline \end{array}
 \end{aligned}$$

- (a) 26. \bar{e} -wāpamikoyēk — *as he sees you_{pl}*
 27. ninakinikonān — *he stops us*
 28. kikakwēcimāwāw — *you_{pl} ask him*
 29. kiwīcīhitināwāw — *I help you_{pl}*
- (b) 30. *if we ask them* — kakwēcimāyāhkāwī
 31. *they challenge you_{pl}* — kimawinēskomikowāwak
 32. *they help me* — niwīcīhikwak
 33. *you_{sg} see them* — kiwāpamāwak
 34. *I stop you_{pl}* — kinakinitināwāw

Problem 5.

$$\begin{aligned}
 & \bullet \left[\begin{array}{l} 400 : \text{kampwoo} \\ \alpha_1 \times 400 : \text{kampw\bar{o}hii} \end{array} \alpha_1 \right] + \left[\begin{array}{l} 80 : \eta\text{k\bar{u}u} \\ \alpha_2 \times 80 : \eta\text{k\bar{w}uu} \end{array} \alpha_2 \right] + \left[\begin{array}{l} 20 : \text{be}\eta\text{jaaga} \\ \alpha_3 \times 20 : \text{be-}\alpha_3 \end{array} \right] + \\
 & [10 : \text{k}\epsilon] + [5] + [\beta], 2 \leq \alpha_{1,2,3} \leq 4, 1 \leq \beta \leq 4 \\
 & \bullet +: \text{na} \\
 & \bullet \begin{array}{l|l} 1: \text{n}\eta\text{kin} & -\text{n}\eta\text{kin} \rightarrow -\text{ni} \\ 2: \text{shuunni} & \\ 3: \text{taanre} & \\ 4: \text{sicy}\epsilon\epsilon\text{ere} & -\text{sicy}\epsilon\epsilon\text{ere} \rightarrow -\text{ricy}\epsilon\epsilon\text{ere} \\ 5: \text{k}\eta\text{kuro} & \text{k}\eta\text{kuro na} \rightarrow \text{baa-} \end{array}
 \end{aligned}$$

- (a) kampw\bar{o}hii shuunni na k\epsilon 810
 \eta\text{k\bar{u}u} na baataanre 88
- (b) 15 k\epsilon na k\eta\text{kuro}
 109 \eta\text{k\bar{u}u} na be\eta\text{jaaga na baaricy}\epsilon\epsilon\text{ere}
 152 \eta\text{k\bar{u}u} na beetaanre na k\epsilon na shuunni
 403 kampwoo na taanre
 1534 kampw\bar{o}hii taanre na \eta\text{k\bar{w}uu} sicy}\epsilon\epsilon\text{ere na k\epsilon na sicy}\epsilon\epsilon\text{ere}