

Problem 4. S = subject, O = object

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

- (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* — kakwēcimāyāhkawāwi
 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.

$$\bullet \left[\begin{array}{c} 400 : \text{ kampwoo} \\ \alpha_1 \times 400 : \text{ kampw\bar{o}hii } \alpha_1 \end{array} \right] + \left[\begin{array}{c} 80 : \text{ ŋkuu} \\ \alpha_2 \times 80 : \text{ ŋkwuu } \alpha_2 \end{array} \right] + \left[\begin{array}{c} 20 : \text{ beŋjaaga} \\ \alpha_3 \times 20 : \text{ be-}\alpha_3 \end{array} \right] + \\
 [10 : \text{ k}\epsilon] + [5] + [\beta], 2 \leq \alpha_{1,2,3} \leq 4, 1 \leq \beta \leq 4$$

• +: na

- | | |
|-------------|-----------------------|
| 1: niŋkin | -niŋkin → -ni |
| 2: shuunni | |
| 3: taanre | |
| 4: sicyεere | -sicyεere → -ricyεere |
| 5: kaŋkuro | kaŋkuro na → baa- |

- (a) kampwōhii shuunni na kε 810
 ŋkuu na baataanre 88
- (b) 15 kε na kaŋkuro
 109 ŋkuu na beŋjaaga na baaricyεere
 152 ŋkuu na beetaanre na kε na shuunni
 403 kampwoo na taanre
 1534 kampwōhii taanre na ŋkwuu sicyεere na kε na sicyεere