Problem 4. S = subject, O = object

ni-:	2nd person $\notin \{S, O\}$ $\wedge$ 1st person $\in \{S, O\}$
ki-:	2nd person $\in \{S, O\}$

$+$ root $+$

S	O	
1|2	3	**-ā(w)**
1	2	**-it-in**
2	1	**-in**
3	1|2	**-ik(o|w)**

$+$

1st person pl $\in \{S, O\}$:	**-(n)ān**
2nd person pl $\in \{S, O\}$ $\wedge$ 1st person pl $\notin \{S, O\}$:	**-(ā)wāw**

$+$

3rd person pl $\in \{S, O\}$:	**-(w)ak**

- **ē-** *as ...*
∅- *if ...*

$+$root$+$

S	O	
1|2	3	**-ā(w)**
3	1|2	**-ik(o|w)**

$+$

$\{S, O\}$	
{2nd person pl, 3rd person sg} :	**-yēk**
{1st person pl, 3rd person pl} :	**-yāhkwāw**
etc.	

(a) 26. **ē-wāpamikoyēk** — *as he sees you$_{pl}$*
27. **ninakinikonān** — *he stops us*
28. **kikakwēcimāwāw** — *you$_{pl}$ ask him*
29. **kiwīcihitināwāw** — *I help you$_{pl}$*

(b) 30. *if we ask them* — **kakwēcimāyāhkwāwi**
31. *they challenge you$_{pl}$* — **kimawinēskomikowāwak**
32. *they help me* — **niwīcihikwak**
33. *you$_{sg}$ see them* — **kiwāpamāwak**
34. *I stop you$_{pl}$* — **kinakinitināwāw**

Problem 5.

- $\left[\begin{array}{rl} 400: & \textbf{kampwoo} \\ \alpha_1 \times 400: & \textbf{kampwɔhii}\ \alpha_1 \end{array}\right] + \left[\begin{array}{rl} 80: & \textbf{ŋkuu} \\ \alpha_2 \times 80: & \textbf{ŋkwuu}\ \alpha_2 \end{array}\right] + \left[\begin{array}{rl} 20: & \textbf{beɲjaaga} \\ \alpha_3 \times 20: & \textbf{be-}\alpha_3 \end{array}\right] +$ $[10: \textbf{kɛ}] + [5] + [\beta], 2 \leq \alpha_{1,2,3} \leq 4, 1 \leq \beta \leq 4$
- $+$: **na**
1:	**niŋkin**	**-niŋkin** $\rightarrow$ **-ni**
2:	**shuunni**	
3:	**taanre**	
4:	**sicyɛɛre**	**-sicyɛɛre** $\rightarrow$ **-ricyɛɛre**
5:	**kaŋkuro**	**kaŋkuro na** $\rightarrow$ **baa-**

(a) **kampwɔhii shuunni na kɛ** 810
ŋkuu na baataanre 88

(b) 15 **kɛ na kaŋkuro**
109 **ŋkuu na beɲjaaga na baaricyɛɛre**
152 **ŋkuu na beetaanre na kɛ na shuunni**
403 **kampwoo na taanre**
1534 **kampwɔhii taanre na ŋkwuu sicyɛɛre na kɛ na sicyɛɛre**