(a) 14. **Navila vivila biyamata tomwaya mtona?**
How many women will this old man look after?
15. **Bikamkwamsi kweyu vivila minasina.**
These women will eat two things.
16. **Amagudina gwadi lekota?**
Which child arrived?
17. **Tevila tauwau bigisesi gugwadi gudigasisi?**
How many men will see the wild children?;
How many men will the wild children see?
18. **Legisesi ketala waga vivila minasiwena.**
Those women saw one canoe.

(b) 19. *How many canoes did those old women see?*
Kevila waga legisesi nunumwaya minasiwena?
20. *These four white men will look after this clever child.*
Biyamatasi gwadi magudina gudikabitam tevasi dimdim mtosina.
21. *How many children will eat these pigs?*
Gudivila gugwadi bikamkwamsi bunukwa minasina?
22. *Which woman caught those beautiful fish?*
Aminana vivila lebani yena minasiwena namanabweta?
23. *Two wild dogs saw that old man.*
Legisesi tomwaya mtowena nayu ka'ukwa nagasisi.

Problem 4. tV- before CV_0:

•

		$C = y$	$C \notin \{b, m, w, y\}$		$C \in \{b, m, w\}$
			$V_0 \in \{e, \varepsilon, i, \iota\}$	$V_0 \in \{o, \mathit{ɔ}, u, \upsilon, a\}$	
$V_0 \in \{e, i, o, u\}$			$V = i$		$V = u$
$V_0 \in \{\varepsilon, \mathit{ɔ}, \iota, \upsilon, a\}$			$V = \iota$		$V = \upsilon$

• $\tilde{V} \leftrightarrow \tilde{V}_0$

• $C\acute{V}_0 > t\acute{V}\text{-}C\acute{V}_0$; $C\hat{V}_0 > t\acute{V}\text{-}C\grave{V}_0$; $C\grave{V}_0 > t\grave{V}\text{-}C\grave{V}_0$

• N-CV_0 (N $\in \{m, n, \mathit{ɲ}, \mathit{ŋ}\}$) > n-tV-$CV_0$

(a) tĩmĩ́tĩnĩ́ (*tũmĩ́tĩnĩ́)

(b) 1. rṍtô — tṍrṍtṍtò

2. rɛ̀wṍ — tìrɛ̀tṍwṍ

3. bíkó — túbítúkó

4. ɲyɛ̃́ rìyã̀ — ńtĩ́yɛ̃́ tìrìtĩ̀yã̀

5. bɛ́kʷṍ — tóbɛ́tṍkʷṍ

6. ríyõ̀rõ̀ — tírítĩ̀yõ̀tũ̀rõ̀

7. hʷɔ̀gâ — tòhʷɔ̀tógà

Problem 5. Verb structure:

subject		tense		(object-)	root	(-subject)
∅- {1st person sg / 3rd person sg$_{\text{future}}$}		**my-**^{C} / **p-**^{V} } future		**ik-** 1st person sg		**-naha** 1st person pl
tsi-^{C} / **ts-**^{V} } {2nd person sg / 1st person pl}		**ik-**^{C} / ∅-^{V} } past		**a-** 2nd person sg		
ni-^{C} / **z-**^{V} } 3rd person sg$_{\text{past}}$				**i-** 3rd person sg		
				my- 1st person pl		
				aha- 2nd person pl		
				si- 3rd person pl		

∅-**p-ik-** = 3rd person sg$_{\text{future}}$:1st person sg (not *1st person sg$_{\text{future}}$:1st person sg)
^{C} = before a consonant, ^{V} = before a vowel

(a) **aharapyryk**   *I hugged you*
mymyboro   *he will bite us* (not ??*I will bite us*)
uru   *I slept*
tsiksiwynaha   *we cut them up (past)*
ikwak   *I hunted*
ziksi   *he left*

(b) *we will fall*   **tsimynarahanaha**
I bathed   **ikmoro**
you$_{sg}$ bit us   **tsikmyboro**

[*I will wait for them* / *he will wait for them*]   **mysipery**

[*I will hug you$_{pl}$* / *he will hug you$_{pl}$*]   **pahaharapyryk**

you$_{sg}$ will leave   **tsipiksi**
I killed it   **ibeze**