

Problem 3. Rules:

- Word order: verb (object).
 - Verb:
 - ‘indeed’: **n-**
 - subject: **-n-** 1st person sg, **-to-** 1st person pl, **-a-** 3rd person sg, **-βa-** 3rd person pl
 - tense: **-ra-** ‘about to’, **-V-** past
 - stem
 - **-n-V-** > **-naa-**, else **-V-** = preceding vowel; **nβ** > **mb**; **nr** > **nd**
 - Tone contours:
 - ‘about to’: ̀̀̀̀̀́
 - past: ̀̀̀́
 - past + ‘indeed’, present: ́
 - Tone assignment:
 1. All vowels are initially ̀.
 2. Assign tones to vowels one-to-one starting from first vowel of stem, continuing on to object if it exists.
 3. If final vowel reached and more than one tone remains:
 - ̀́ → assign ́ to final vowel.
 - ...̀̀̀́ → assign ̀ to final vowel.
 4. All vowels following ́ are assigned ́.
 5. Sentence-final ́́ → ́̀.
- (a) 20. **ahéétóka**
- (b) 21. **βaasukurá** — *They have rubbed (something).*
 22. **toosya itʃíímbéyo** — *We have ground the seeds.*
 23. **ndóma** — *I bite (something).*
 24. **naaβína** — *Indeed, he has sung (something).*
- (c) 25. *We are about to eat the seeds.* — **torarya itʃíímbéyo**
 26. *I sing (something).* — **mbína**
 27. *Indeed, we have measured the secretary bird.* — **ntooβíímá írítáárákímúra**
 28. *We are about to burn (something).* — **torasaambă**
 29. *He has remembered (something).* — **aaheetóka**