

Eleventh International Olympiad in Linguistics

Manchester (Great Britain), July 22–26, 2013

Individual Contest Solutions

Problem #1. Rules:

1. If the number of syllables in the word (= stem + ending) is even, all syllables are short.
 If the number of syllables in the word is odd, the last even-numbered syllable of the stem is lengthened.

$2 = 2 + 0:$	$\mathbf{bu}_1\mathbf{n}\mathbf{a}^2\text{-}\emptyset$	$3 = 2 + 1:$	$\mathbf{ba}_1\mathbf{m}\mathbf{a}^2\text{-}\mathbf{gu}_3$
$4 = 2 + 2:$	$\mathbf{bu}_1\mathbf{n}\mathbf{a}^2\text{-}\mathbf{gi}_3\mathbf{m}\mathbf{b}\mathbf{a}^4$	$3 = 3 + 0:$	$\mathbf{g}\mathbf{u}_1\mathbf{d}\mathbf{a}^2\mathbf{g}\mathbf{a}_3\text{-}\emptyset$
$4 = 3 + 1:$	$\mathbf{g}\mathbf{u}_1\mathbf{d}\mathbf{a}^2\mathbf{g}\mathbf{a}_3\text{-}\mathbf{bi}^4$	$5 = 3 + 2:$	$\mathbf{j}\mathbf{u}_1\mathbf{d}\mathbf{u}^2\mathbf{l}\mathbf{u}_3\text{-}\mathbf{mu}^4\mathbf{j}\mathbf{a}^5$
$4 = 4 + 0:$	$\mathbf{m}\mathbf{u}_1\mathbf{y}\mathbf{u}^2\mathbf{b}\mathbf{a}_3\mathbf{r}\mathbf{a}^4\text{-}\emptyset$	$5 = 4 + 1:$	$\mathbf{g}\mathbf{a}_1\mathbf{j}\mathbf{a}^2\mathbf{g}\mathbf{i}_3\mathbf{m}\mathbf{b}\mathbf{a}^4\text{-}\mathbf{g}\mathbf{u}_5$

2. If the ending **-ni** or **-mu** immediately follows a long vowel, it loses its own vowel.

- (a) **mugařumu**, **wanja:lgu**.
- (b) **bama:n** — of a person, **buna:bi** — another woman, **majurmujay** — with a frog, **muja:mni** — of a mother.
- (c) of a stranger — **muyubara:n**, for a fishing net — **mugařugu**, father — **bimbi**, from a frog — **maju:rmu**, without a man — **wagu:jagimal**, of a pigeon — **juduluni**, tortoise — **baji:gal**, without a boomerang — **wařalgimal**.

Problem #2. The compound noun has the following structure:

$$\boxed{\begin{array}{l} \text{modifier} \\ (-l \text{ is lost}) \end{array}} + \left\{ \begin{array}{ll} \text{-d-} & (\text{before a vowel}) \\ \text{-n-} & (\text{before a consonant}) \end{array} \right\} + \boxed{\text{modified}}.$$

- | | |
|---|---|
| <p>ilennime herd of deer (“house of deer”)</p> <p>joqonnime wooden house (“Yakut house”)</p> <p>saancohoje wooden knife</p> <p>johudawur nose case</p> <p>(a) ilenlegul deer feed</p> <p>cireme bird</p> <p>johul nose</p> <p>aariinmøyer gunshot (“rifle thunder”)</p> <p>joqodile horse (“Yakut deer”)</p> | <p>møjer thunder</p> <p>ciremennime nest</p> <p>joqoncohoje Yakut knife</p> <p>saadojoj wooden box</p> <p>uoduo grandchild</p> <p>oñoj bag</p> <p>aariinjohul rifle’s muzzle</p> <p>uodawur cradle</p> <p>joqol Yakut person</p> |
|---|---|
- (b) **aarii** — rifle, **aariidojoj** — rifle case, **ciremedawur** — nest (= **ciremennime**), **ile** — deer, **johudewce** — tip of nose, **legul** — food, **saal** — wood, **saannime** — wooden house (= **joqonnime**), **uo** — child.
- (c) iron bird — **cuoncireme**, snoring — **johunmøyer**, tip of knife’s blade — **cohojedewce**, sack for provisions — **legudojoj**.