

## 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><b>ilennime</b> herd of deer (“house of deer”)</p> <p><b>joqonnime</b> wooden house (“Yakut house”)</p> <p><b>saancohoje</b> wooden knife</p> <p><b>johudawur</b> nose case</p> <p>(a) <b>ilenlegul</b> deer feed</p> <p><b>cireme</b> bird</p> <p><b>johul</b> nose</p> <p><b>aariinmøyer</b> gunshot (“rifle thunder”)</p> <p><b>joqodile</b> horse (“Yakut deer”)</p> | <p><b>møjer</b> thunder</p> <p><b>ciremennime</b> nest</p> <p><b>joqoncohoje</b> Yakut knife</p> <p><b>saadoyoj</b> wooden box</p> <p><b>uoduo</b> grandchild</p> <p><b>oñoj</b> bag</p> <p><b>aariinjohul</b> rifle’s muzzle</p> <p><b>uodawur</b> cradle</p> <p><b>joqol</b> Yakut person</p> |
|---|---|
- (b) **aarii** — rifle, **aariidonyoj** — 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 — **legudonyoj**.