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.

$2 = 2 + 0$:	**bu$_1$ɲa^2-∅**	$3 = 2 + 1$:	**ba$_1$<u>ma:</u>^{2} -gu$_3$**
$4 = 2 + 2$:	**bu$_1$ɲa^2-gi$_3$mbal^4**	$3 = 3 + 0$:	**gu$_1$<u>da:</u>^{2}ga$_3$-∅**
$4 = 3 + 1$:	**gu$_1$da^{2}ga$_3$-bi^4**	$5 = 3 + 2$:	**ɟu$_1$<u>du:</u>^{2}lu$_3$ -mu^{4}ɟay$_5$**
$4 = 4 + 0$:	**mu$_1$yu^{2}ba$_3$ra^4-∅**	$5 = 4 + 1$:	**ga$_1$ɟa^{2}gi$_3$m<u>ba:</u>^{4} -gu$_5$**

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

(a) **mugaɻumu**, **waŋa:lgu**.

(b) **bamaɟn** — of a person, **buɲa:bi** — another woman, **maɟurmuɟay** — with a frog, **muɟa:mni** — of a mother.

(c) of a stranger — **muyubara:n**, for a fishing net — **mugaɻugu**, father — **bimbi**, from a frog — **maɟu:rmu**, without a man — **wagu:ɟagimbal**, of a pigeon — **ɟuduluni**, tortoise — **baɟi:gal**, without a boomerang — **waŋalgimbal**.

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

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

(a)

ilennime	herd of deer ("house of deer")	*møŋer*	thunder
joqonnime	wooden house ("Yakut house")	*ciremennime*	nest
saancohoje	wooden knife	*joqoncohoje*	Yakut knife
johudawur	nose case	*saadoŋoj*	wooden box
ilenlegul	deer feed	*uoduo*	grandchild
cireme	bird	*oŋoj*	bag
johul	nose	*aariinjohul*	rifle's muzzle
aariinmøŋer	gunshot ("rifle thunder")	*uodawur*	cradle
joqodile	horse ("Yakut deer")	*joqol*	Yakut person

(b) *aarii* — rifle, *aariidoŋoj* — 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 — *johunmøŋer*, tip of knife's blade — *cohojedewce*, sack for provisions — *legudoŋoj*.