

Eighth International Olympiad in Linguistics

Stockholm (Sweden), 19–24 July 2010

Individual Contest Problems

Rules for writing out the solutions

1. Do not copy the statements of the problems. Write down your solution to each problem on a separate sheet or sheets. On each sheet indicate the number of the problem, the number of your seat and your surname. Otherwise your work may be mislaid or misattributed.
2. Your answers must be well-argumented. Even a perfectly correct answer will be given a low score unless accompanied by an explanation.

Problem #1 (20 points). Given are verbs of the Budukh language in three forms:

form 1: prohibitive mood, class I (masculine)	form 2: future tense, class I (masculine)	form 3: future tense, class II (feminine)	
<i>amarxar</i>	<i>arxara</i>	<i>arxara</i>	sleep
<i>čömorħucu</i>	<i>čörħucura</i>		exchange
<i>čimeoqi</i>		<i>čiroqira</i>	carry, lead
<i>ħümočonxu</i>	<i>ħüčonxuna</i>	<i>ħürčonxuna</i>	overtake
	<i>osura</i>	<i>orsura</i>	put
<i>womolṭu</i>	<i>woltula</i>		tie
?	<i>ħarkira</i>		set on (animals)
?	<i>jölküla</i>	<i>jölküla</i>	make to roll
?	<i>qalqala</i>		lie, recline
?	<i>qurooqura</i>	<i>qurooqura</i>	bring to a halt
?	<i>sonkona</i>	<i>sonkona</i>	be startled
<i>amolqol</i>	?	<i>alqola</i>	sit down
<i>emensi</i>	?		extinguish
<i>ħömörčü</i>	?		push
<i>čumaraqar</i>		?	overtake
<i>ħamoloqu</i>		?	swallow
<i>iimkanan</i>		?	remain
<i>jemeči</i>		?	cross, go across

Fill in the vacant cells (you don't have to fill in the shaded ones).

Δ The Budukh language belongs to the Nakh-Daghestanian language family. It is spoken by approx. 5 000 people in Azerbaijan.

ö and ü = French *eu* and *u* (German ö and ü); i ≈ u in *but*.

č, ġ, oħ, ħ, j, k, q, š, t, w, x are consonants.

—Ivan Derzhanski