

en

Twentieth International Linguistics Olympiad

Bansko (Bulgaria), 23–29 July 2023

Individual Contest Solutions

Problem 1.

	○	→	
● → ●	<i>I saw (it)</i>	<i>I see (it)</i>	
↑ ↓	<i>I was seen</i>	<i>I am being seen</i>	
1st person sg	○	→	3rd person sg
● → ●	-n'	in-	● → ●
↑ ↓	in-	in-	↑ ↓
			-y'
			-∅
			a-

1. →:

- -CV → -C'V (*s'* → *ts'*);
- -V₁CC'V₂- → -V₁CV_XC'V₂-, V_X = (V₁ = V₂) | a

2. :

- -? (-C'V → -CV | __ -?);
- ○: (C)VCV- → (C)VVCV-

3. n' → y, y' → y | C'V __

3. • n → m | __ {p, p'}
- n → y | __ {k, k'}

4. ⟨p, t, k⟩ → ⟨b, d, g⟩ | {m, n, y} __

(a)

	Form 1	Form 2	Translation
15.	netkay'	innetak'a	<i>push</i>
16.	kiriy'	ıŋgir'i	<i>pull</i>
17.	p'uhruy'	imp'uhur'u	<i>make holes</i>
18.	her'oy	inher'o	<i>smooth out</i>

(b)

39.	her'oy	<i>I smoothed (it) out</i>
40.	inišpa?	<i>I left</i>
41.	apla?	<i>it was opened</i>
42.	şur'uy	<i>it chose (it)</i>
43.	pirin'	<i>I saw (it)</i>
44.	inşawats'a	<i>I plant (it)</i>
45.	k'aani?	<i>it was trapped</i>
46.	imp'ihana?	<i>I leap</i>
47.	ahika?	<i>it is being sewn, woven</i>
48.	inipla?	<i>I was bathed</i>