

## Nineteenth International Linguistics Olympiad

Castletown (Isle of Man), 25–29 July 2022

### Individual Contest Solutions

**Problem 1.** Sb — Ob<sub>dir</sub> → Ob<sub>obl</sub>:

	Ob <sub>dir</sub>	Ob <sub>obl</sub>	Sb
1st person sg	<b>s-</b>		
1st person pl	<b>š'-</b>		
2nd person sg	<b>w-</b>		
2nd person pl	<b>š<sup>w</sup>-</b>		
3rd person sg	<b>a-</b>	∅-	<b>n-</b>
3rd person pl	<b>a-</b>		<b>na-</b>

$$+ \mathfrak{t}^w + \left\{ \begin{array}{l} \left[ \begin{array}{l} \text{Ob}_{\text{dir}} = \text{pl} \\ \text{2nd person pl} \in \{\text{Ob}_{\text{dir}}, \text{Ob}_{\text{obl}}, \text{Sb}\} \end{array} \right] : \begin{array}{l} \mathfrak{a} \\ \mathfrak{a} \end{array} \\ \text{otherwise} \end{array} \right\} + \mathfrak{n}$$

$C_1 C_2 \rightarrow C_1 \mathfrak{a} C_2$  ( $C_1$  and  $C_2$  are consonants)

(a) **aš<sup>w</sup>ast<sup>w</sup>an** — *I give them to you<sub>pl</sub>.*

- (b)
1. **aš'ant<sup>w</sup>an** — *he gives him to us*
  2. **səš<sup>w</sup>t<sup>w</sup>an** — *you<sub>pl</sub> give me to him*
  3. **š'awənat<sup>w</sup>an** — *they give us to you<sub>sg</sub>*

- (c)
4. *they give you<sub>pl</sub> to me* — **š<sup>w</sup>asənat<sup>w</sup>an**
  5. *you<sub>pl</sub> give him to me* — **asəš<sup>w</sup>t<sup>w</sup>an**
  6. *you<sub>sg</sub> give us to him* — **š'awt<sup>w</sup>an**
  7. *we give you<sub>sg</sub> to them* — **was'at<sup>w</sup>an**
  8. *he gives them to us* — **aš'ant<sup>w</sup>an**