

# en(B)

Nineteenth International Linguistics Olympiad

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

Individual Contest Solutions

**Problem 1.** Sb —  $\boxed{\text{Ob}_{\text{dir}}}$  — $\rightarrow$  Ob<sub>obl</sub>:

	Ob <sub>dir</sub>	Ob <sub>obl</sub>	Sb
1st person sg		<i>s-</i>	
1st person pl		<i>š'-</i>	
2nd person sg		<i>w-</i>	
2nd person pl		<i>ŵ-</i>	
3rd person sg	<i>a-</i>	$\emptyset$ -	<i>n-</i>
3rd person pl	<i>a-</i>		<i>na-</i>

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

$C_1 C_2 \rightarrow C_1 \sigma C_2$  ( $C_1$  and  $C_2$  are consonants)

- (a) *aŵəst<sup>w</sup>an* — *I give them to you<sub>pl</sub>.*
- (b)
  1. *aš'ənt<sup>w</sup>ən* — *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'əwənat<sup>w</sup>an* — *they give us to you<sub>sg</sub>*
- (c)
  4. *they give you<sub>pl</sub> to me* — *ŵəsənat<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'əwt<sup>w</sup>an*
  7. *we give you<sub>sg</sub> to them* — *waš't<sup>w</sup>ən*
  8. *he gives them to us* — *aš'ənt<sup>w</sup>an*