

Nineteenth International Linguistics Olympiad

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

Individual Contest Solutions

Problem 1. Sb — Ob_{dir} → Ob_{obl}:

	Ob _{dir}	Ob _{obl}	Sb
1st person sg	s-		
1st person pl	š'-		
2nd person sg	w-		
2nd person pl	š^w-		
3rd person sg	a-	∅-	n-
3rd person pl	a-		na-

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

$C_1 C_2 \rightarrow C_1 \mathbf{\partial} C_2$ (C_1 and C_2 are consonants)

(a) **aš^wast^wan** — *I give them to you_{pl}.*

- (b)
1. **aš'ant^wan** — *he gives him to us*
 2. **səš^wt^wan** — *you_{pl} give me to him*
 3. **š'əwənat^wan** — *they give us to you_{sg}*

- (c)
4. *they give you_{pl} to me* — **š^wəsənat^wan**
 5. *you_{pl} give him to me* — **asəš^wt^wan**
 6. *you_{sg} give us to him* — **š'əwt^wan**
 7. *we give you_{sg} to them* — **was^t't^wan**
 8. *he gives them to us* — **aš'ant^wan**