

en

# Fifth Asia Pacific Linguistics Olympiad

9 – 23 April 2023

Solutions

## Problem 1.

1. Verb structure:

	without [Mod]	with [Mod]																
intransitive	[Y] — STEM — t	[Mod] — X — STEM — NUMBER <sub>X</sub>																
transitive	[Y] — X — STEM — t	[Mod] — X — STEM — NUMBER <sub>Y</sub>																
[Mod] = <b>ant-</b> <i>almost</i> <b>ta-</b> <i>not</i>																		
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <th>intransitive</th> <th colspan="2">transitive</th> </tr> <tr> <td></td> <td></td> <td>subject &gt; object</td> <td>subject &lt; object</td> </tr> <tr> <td>X</td> <td colspan="2" style="text-align: center;">subject</td> <td>object</td> </tr> <tr> <td>Y</td> <td colspan="2" rowspan="2" style="text-align: center;">object</td> <td>subject</td> </tr> </table>			intransitive	transitive				subject > object	subject < object	X	subject		object	Y	object		subject	
	intransitive	transitive																
		subject > object	subject < object															
X	subject		object															
Y	object		subject															
1 <sup>st</sup> > 2 <sup>nd</sup> > 3 <sup>rd</sup>																		
	subject [Y]	object	subject [X]															
1 <sup>st</sup> DU	<b>kapa</b>	<b>ŋkra</b>																
1 <sup>st</sup> PL	<b>ipa</b>	<b>kra</b>	<b>kay</b>															
2 <sup>nd</sup> DU	<b>kapwa</b>	<b>ŋkul</b>	<b>ŋkran</b>															
2 <sup>nd</sup> PL	<b>ipwa</b>	<b>kul</b>	<b>nan</b>															
3 <sup>rd</sup> SG	<b>na</b>		<b>pu</b>															
3 <sup>rd</sup> DU	<b>impa</b>																	

$$\text{NUMBER} = \begin{cases} \mathbf{t} & \text{SG} \\ \mathbf{rm} & \text{DU} \\ \mathbf{rum} & \text{PL} \end{cases}$$

- (a) 15. *We two have cut him.*
- (b) 18. *We all have slept.*  
 19. *You two have almost cut them two.*  
 20. *He hasn't come.*
- (c) 21. **antpuwat**  
 22. **taŋkratut**  
 23. **taŋkrawaykrum**  
 24. **antŋkranturum**  
 25. **impakulkrat**