

## Fifth Asia Pacific Linguistics Olympiad

9 – 23 April 2023

## Solutions

## Problem 1.

1. Verb structure:

	without <b>Mod</b>	with <b>Mod</b>
intransitive	<b>Y</b> — <b>STEM</b> — <b>t</b>	<b>Mod</b> — <b>X</b> — <b>STEM</b> — <b>NUMBER<sub>X</sub></b>
transitive	<b>Y</b> — <b>X</b> — <b>STEM</b> — <b>t</b>	<b>Mod</b> — <b>X</b> — <b>STEM</b> — <b>NUMBER<sub>Y</sub></b>

**Mod** = 

<b>ant-</b>	<i>almost</i>
<b>ta-</b>	<i>not</i>

	intransitive	transitive	
		subject > object	subject < object
<b>X</b>	subject	subject	object
<b>Y</b>		object	subject

1<sup>st</sup> > 2<sup>nd</sup> > 3<sup>rd</sup>

	subject Y	object	subject X
1 <sup>st</sup> DU	kapa	ŋkra	
1 <sup>st</sup> PL	ipa	kra	kay
2 <sup>nd</sup> DU	kapwa	ŋkul	ŋkran
2 <sup>nd</sup> PL	ipwa	kul	nan
3 <sup>rd</sup> SG	na		pu
3 <sup>rd</sup> DU	impa		

**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**