



Hong Kong Linguistics Olympiad
香港語言學奧林匹克

en

Seventh Hong Kong Linguistics Olympiad

February 23rd, 2025

Solutions

Problem 1.

- Word order:

S	O _{Noun}	Loc	V-Y-Z-X _{0,Pronoun}
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Noun-X _{pos}

- X: -ñ = 1SG, -ne = 3SG, -me = 1PL
- A and B = A B **spä** (**spä** placed after the first word of B)
- Verbs:

		V _{tr}	V _{intr}	V _{caus}
	Past			i > ai; u > au
V	Past		ā > a	
	Present		ā > o	
Y	Present	an	e*	äsk
	Past	ā	ā	a

* e > o / oC₀ _

Z	Present		Past	
	V _{intr}	V _{tr} /V _{caus}	V _{intr}	V _{tr} /V _{caus}
1SG	mar	au	mai	wa
3SG	tär	äṃ	te	∅
1PL	mtär	em	mte	mo
3PL	ntär	eṃ	nte	re

V_{intr} = intr., V_{tr} = tr., V_{caus} = caus.

- Noun:

Stem-Case-Postpos

(a) Case

	Nom.SG	Acc.SG	Nom.PL	Acc.PL
animate	e	eṃ	i	eṃ
inanimate	e	∅	i	äṃ
	o	ai	aiñ	aiṃ

(b) Postpos (if present, Case = Acc) : **meṃ** = Ablative, **ne** = Locative

13. *My words misled the hearts.*
14. *The flower gladdened him.*
15. *I cross the pond in his village.*
16. *We seek our body and stumble from the boats.*
17. *The boats hide in the houses.*
- (b) 18. **kektseñ-ñ taukawa**
19. **eñkwi šamaškeṃ ritäre oskai špä kätkäre**
20. **pyäpyaiñ kolmaimem-me kloyontär srukentär špä kaumaimne**
21. **šamäne kattäkeṃ pläntäskäm**
22. **arañci pälskanem-ne plontontär špä**

Problem 2.

- Stem^{*}-S^{Abs}(-0₂^{Abs})

- Stem^{*}-0_{≠2}^{Abs}-S^{Erg}

Stem [*] :	non-caus.	caus.
V _{intr}	Stem	Stem-tu
∄ 0	Stem-a	
V _{tr}	Stem	Stem-atu
∃ 0		
C(V) > m / tu _		

Erg	1	2	3
Abs			
SG	c	x	s
		nu	i
PL	ɬ	p	t
	tuɬ	ap	ti

V _{intr}	V _{tr}
dive	wipe
walk	see
	know
	hide
	feel
	find

- (a) 1. C 2. E 3. A 4. B 5. D

(b) It uses 3SG.Erg instead of Abs. Correct form: **?awliap** = *he follows you_{pl}*.

(c) 6. *you_{sg} make me go* 7. *we make you_{pl} find* 8. *you_{pl} wipe him* 9. *he sees them*

- (d) 10. **?ipwaap** 12. **?awltic** 14. **musit**
11. **?ipwatumnu** 13. **?aɬnapix** 15. **mulmtumt**

Problem 3.

		• X = X ^A	X = 1,4
A	B		
1 egéns	erfens	• 5 (+ X) = cinjá (X ^B)	X = 1,4
2 egeka	erfeka	• 10 (+ X) = setka (kuṅkob jah enama X ^B)	X = 1,4
3 orgomu	orfomu	• 10 + X = setka kuṅkob X	X = 6,9
4 tohkuru		• 10×X (+ Y) = setka X ^A (noba Y ^B)	X = 2,9; Y = 1,9

- (a) a. 1 × 16 + 24 = 40 c. 2 + 11 = 13 e. 4 + 22 = 26
b. 5 × 8 = 40 d. 11 + 9 = 20 f. 10 + 7 = 17

- (b) g. 3 h. 70 i. 25 j. 14

- (c) 6 = cinjá erfens 28 = setka egeka noba cinjá orfomu
12 = setka kuṅkob jah enama erfeka 90 = setka cinjá tohkuru
19 = setka kuṅkob cinjá tohkuru

Problem 4.

	Past	Future	Imperative
I	b -Stem- s	b -Stem	Stem- s
II	b -Stem(- s)	d/g -Stem	Stem- s

- In the imperative, turn any stem-internal **a** into **o**.

- Morphophonological rules:

- **b**- > $\emptyset$ / $_ [+labial]$
- **b**- > **m**- / $_ [+nasal]$
- **d**- > **g**- / $_ [+coronal]$
- **-s** > $\emptyset$ / $_ [+coronal]$
- Voiceless consonants aspirate word initially.

- | | |
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| <p>(a)</p> <ol style="list-style-type: none"> 1. <i>played</i> 2. <i>leaned on</i> 3. <i>eat!</i> 4. <i>will pull off</i> 5. <i>will feed</i> 6. <i>listen!</i> 7. <i>separate!</i> | <p>(b)</p> <ol style="list-style-type: none"> 8. bkol 9. bkrus 10. dpral 11. gsad 12. khrus 13. thod 14. brod |
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