

Henry Wong

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Hong Kong

English (UK)

GYM-G9

Problem Number: 5

Number of sheet within problem: 1/4

a) phia''

b) ~~1~~ 1) li?24

2) ta:m33

3) pha55

4) ~~ka?~~ ika?

5) ka?24

16) pia33

17) phu55

18) tha''

6) ~~pa?~~ ^{tapa} tapa

11) la:n?42

7) pa''

12) lipüh

8) m+taɣ

13) phu55

9) tai?42

14) pilàn

10) ~~ta?~~ ~~tiam~~ talàm

15) la:n''

Rules

Tsat

~~Second~~

Proto-Chomic	Second Final syllable	First syllable
a	a	-
am	a:n?	-
an		
ay	a:i?	-
ɑ:	ɑ:	-
i	i	
ey	ai	-
u	u	
ə	ə	
ow	ə ə	

Tones

Proto-Chomic Final consonant	Tsat tone	Condition
h Vh	55	-
Vp/Vt/Vk	24	All others
am an ay	42	if the word in Proto-Chomic has a voiced obstruent
All others	33	All others
others	11	if the root in Proto-Chomic has voiced obstruents
am an ay	42	-

Voiceless obstruents = p, t, k
 Voiced obstruents = b, d, g
 Sonorants = m, n, l, r
 V = any vowel

Obstruents

Tsat

Consonant	Final syllable initial	Condition
*k	k	
*t	t	
*d	th	
*b	ph	
*m	m	
*n	n	
*r	z	
	i	bV-V or pV-V
	l	
	i	bV-V or pV-V
*s	s	

Photo
check

All ~~first~~ ^{non-final} syllables are deleted except ~~the~~ ^{the}

for ^{verb} *bV-/*pV-before ~~*z, *d~~ ~~which~~ *r, *l, *hr

which becomes $\star$ Tsat ~~phi~~ phi/pi

~~* $bV\{h, l\} \rightarrow \text{Toyl phi} / \# -$~~

* ~~$pV\{r, 13 \rightarrow \text{Tab } p_i / \# -$~~

$$*bV\{r,l,hr\} \rightarrow \text{phi} / \# \# _ V(C) \#$$
$$* p \in \{r, l, \text{etc}\} \Rightarrow p_i \text{ is } V(C) \#$$

* ~~Of the first syllable~~

Phan Rang Cham

Tone

In word ~~final~~ find syllables that
 end in $\emptyset$ /h/y/m/n/g
 it that syllable starts with a
 voiced obstruent or a sonorant in proto
 with a voiced obstruent on the ^{in proto}Chamic
~~per~~ previous syllable, ^{that}
 syllable receives a low tone
 else, it receives a non-low tone

Consonant

Proto-Chamic	Syllable initially	syllable finally
ʔ	∅	ʔ
p	p	
t	t	ʔ
k	k	ʔ
b	p	
d	t	
j	c	
m	m	m
n	n	n
ɲ	th	ŋ
s	th	
r	r	
l	l	

Voiceless obstruents = p, t, k
 Voiced obstruent = b, d, j
 Sonorant = m, n, r, l

} Obstruents

Problem Number: 4
Number of sheet within problem: 4/4

Proto-Charmic	Final syllable
*a:	a
*a	a / i [±]
*i	i
*u	u
*ə	ə
*ay	ay
*oy	oy
*ow	ow

i: after nasals (m,n)

Penultimate
First syllable

Proto-Charmic	Phon Kang Charm	Condition
*a	a	All others
***	i	*b_ {r,l,h,r3} *l_
***	i	After nasals
*i	i	All others
	a	after obstruents
*u	u	All others
	a	After obstruents
	i	*b_l
*ə	a	-

Rules

Phan Rang Cham

a: → a

t, k → ? / - #

~~Vowels~~

First syllable	Second syllable
a (after obstruents)	a (after obstruents and liquids)
i (after sonorants)	i (after nasals)

Format : outcome (condition)

~~Proto-Cham~~

Vowels	First syllable	Second syllable
*a	a (after obstruents)	a (after obstruents and liquids)
	i (after sonorants)	i (after nasals)
*i	a (after obstruents)	i (after liquids)

~~*Obstruents = p, t, k, b, d, g, h~~
~~Sonorants = m, n, l, r~~
~~Nasals = m, n~~
~~Liquids = l, r~~