

	a-u	i-u	u-u	i-i	u-i	a-i	o-i	a-a	o-o	o-a	u-a	e-a	i-a	e-e	e-u	e-i
Vtz				witz ⁱ	utz ⁱ											
Vhtz					k'uhzt ⁱ											
VVtz		(kuutz ^u)														
Vtz'					tz'utz ⁱ											
Vhtz'					puhtz ⁱ											
VVtz'					suutz ⁱ											
'tz'	ba'tz ^u															
s				pihs ⁱ												
Vch				nich ⁱ	k'uch ⁱ											
Vhch					juhch ⁱ											
VVch		(kuuch ^u)			ajmuuch ⁱ	paach ⁱ										
					chaach ⁱ											
Vx								yax ^a								
V'x, VVx						ma'x ⁱ			(oox ^o)							
Vh				mih ⁱ				patah ^a								
VVh > Vh		(Y k'uh)	bih~biih ⁱ			naah ⁱ		(naj ^a)								
VVh		k'uuh ^u	chiih ⁱ			baah ⁱ										
			? tziih ⁱ													
Vj								ch'aj ^a								
VXj				chihj ⁱ		ch'aXj ⁱ		(ch'aXj ^a)								kehj ⁱ
VVj						waaj ⁱ		taaj ^a			y-uuj ^a		u-siij ^a			
Vk			buluk ^u	ixik ⁱ				chak ^a	ch'ok ^o							
			chahuk ^u					lak ^a								
Vhk		? ahk ^u	tz'ihk ^u			chahk ⁱ		[ahk ^a]								
		(ahkul)	buhk ^u					mahk ^a								
aak > ak						baak ⁱ	ook ⁱ	(bak ^a)	(ok ^o)							
ook > ok						saak ⁱ		(sak ^a)								
VVk				piik ⁱ		ihch'aak ⁱ										
						- taak ⁱ										
Vt		hut ^u						tat ^a				y-ebet ^a		y-ebet ^e		
		~wut ^u						(at ^a)						pet ^e		
aat > at						aat ⁱ										
						ch'aat ⁱ	y-atoot ⁱ									
VVt				muut ⁱ		paat ⁱ	y-otoot ⁱ									
						paach ⁱ										
aht ? chapaht ^u						chapaht ⁱ		(chapaht ^a)								
ab								kab ^a								
								k'ab ^a								
Vhb				tz'ihb ⁱ		nahb ⁱ		nahb ^a								y-ehb ^u
						'sea'		'handspan'								
						ch'ahb ^a										
VVb				xiib ⁱ	jukuub ⁱ	chaab ⁱ		(kaab ^a)								
'b						ha'b ⁱ		ha'b ^a	(ha'-o'b ^o)	ha'-o'b ^a						
am								bahlam ^a								
VVm		yuum ^u	miim ⁱ					chitaam ^a	poom ^o	kokoom ^a		keleem ^a				
								maam ^a		-oom ^a						
eem > em												teem ^a		(teem ^o)	(tem ^u)	
p									pohp ^o		u-tuup ^a					

Figure 1. Factors influencing choice of final syllabary signs when last vowel is not pronounced. Continued by Figure 2. (facing right-hand page)
Vowels homorganic with consonants explain the preference for word-final -tzi, -si, -chi, and for -te or -ti and for -ma, -mo, -pa, -po, (and -ba, see next clause).
After high vowels in stem syllable this factor also explains preference for front-velar spellings -ki, -ji, (-hi), versus for back-velar spellings -ku, -hu
Such splits into front-velar and back-velar "points of articulation" are typologically common, here a motivated phonetic influence even if not phonemic in Mayan.
For five obstruents (k j h t b) after last-syllable vowel (a), harmony / disharmony appears the best explanation: -aak(i), -ak(a), -aat(i), -at(a), -aab(i), -ab(a)
Harmonic -C(a) are shown in double outlines. Perhaps partly because of /h/ < *j/, or /h/ not purely glottal, this also applies to -aah(i), -ah(a).
Notice the relatively greater numbers of types -aak(i), -aat(i), but in reverse more -ab(a), perhaps favored by consonant-vowel homorganicity.
It would not be at all surprising to find more "unpronounced" (i) with word-final (k t) and more "unpronounced" (a) with word-final (b).
It may be that in stems of the type "CVhk" the /h/ assimilates to /j/ and they are treated as disyllables with consonant clusters, as if they were "CVj.k(u)".
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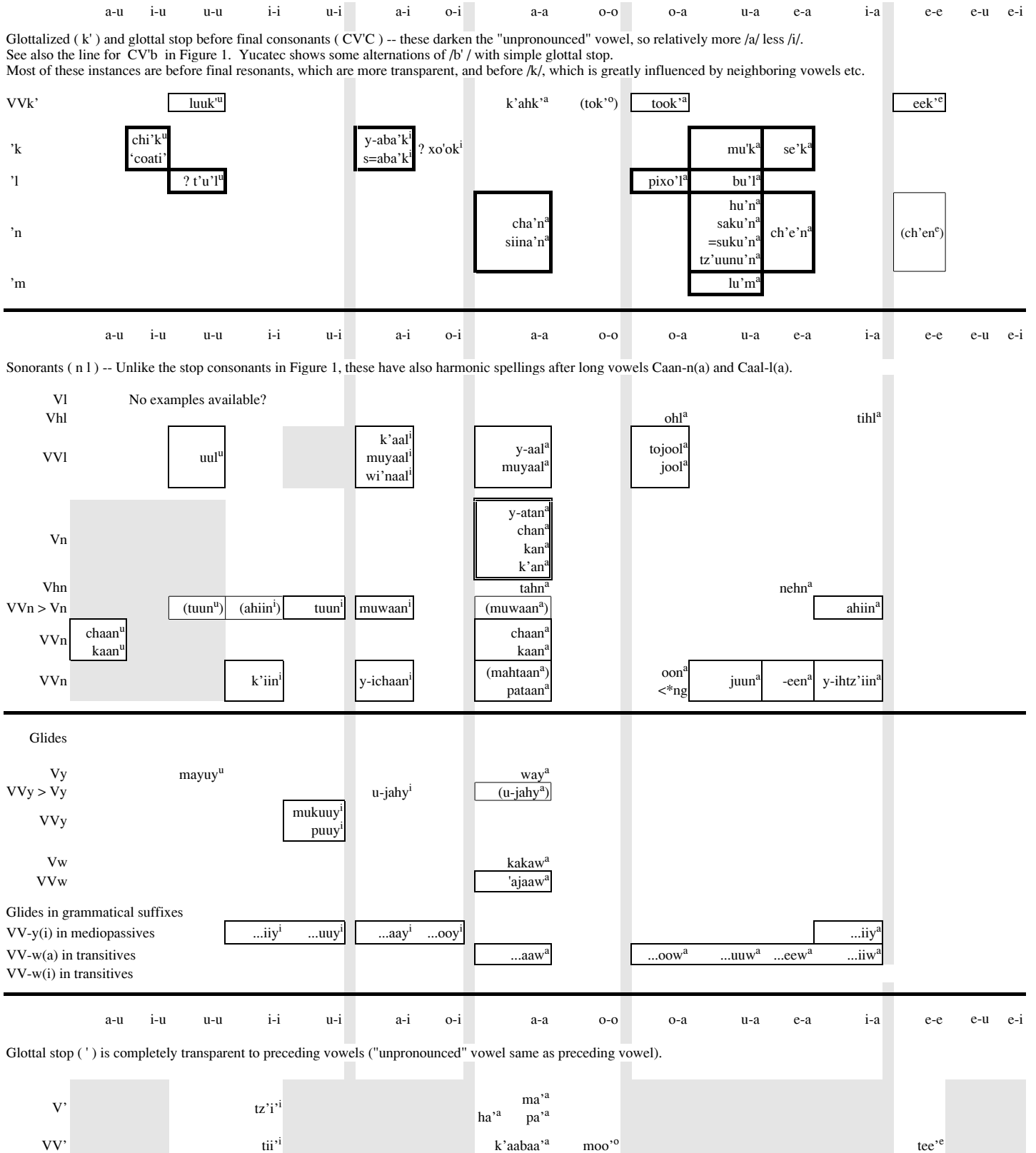


Figure 2. Factors influencing choice of final syllabary signs when last vowel is not pronounced. Continuation of Figure 1. (facing left-hand page)

The specific ten or so harmonic spellings Caan-n(a) and Caal-l(a) are not explained by the combination of the three factors which are being used here -- (consonant-vowel homorganicity) and (disharmonic spellings after long vowels in stems) and influence of (stem-vowel-plus-glottal-stop).

The spellings chaan(u) / kaan(u) may be underspellings of chaan-ul / kaan-ul.

Some instances of ahk(u) in Figure 1. may have a similar explanation. [later note: this hypothesis has been rejected?]

The occurrences of jukuub(i) and muut(i) with final unpronounced "i" are consistent with the Disharmony hypothesis, but there is so little data of similar types that it may be better to regard -b(i) instead of -b(u) or -b(a) as unexplained so far.

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