



foot is surprisingly trochaic. According to C&M, [a] attracts stress due to its sonority. For us, [a] heads an underlying iambic foot (bold) and stress is assigned without reference to sonority. Glide formation then reduces the number of syllables. While stress is transferred to the next cycle as is, foot structure is destroyed (see Halle & Vergnaud 1987 for motivation) and gets reconstructed in each cycle.

$$(23a-iv) \quad \underbrace{/i-anu/ \xrightarrow{\text{Footing}} (\mathbf{i.a}).nu \xrightarrow{\text{Stress}} (\mathbf{i.á}).nu \xrightarrow{\text{GF}} [(j\acute{a}).nu]}_{\text{Stem domain}} \longrightarrow \underbrace{/j\acute{a}.nu-i/ \xrightarrow{\text{Footing}} [(j\acute{a}.nu).\langle ti \rangle]}_{\text{Suffix domain}}$$

In the cyclic suffix domain, every suffix comes with initial main stress (e.g., /-áko/, /-híg/), except for /-an/, /-ut/, and the reality-status markers (/ -a/, / -e/, / -i/, / -eNpa/), which occur word-finally. In each cycle, syllable-structure rules apply first ( $[\emptyset \rightarrow [a] / C \_ C]$ , then  $[\emptyset \rightarrow [t] / V \_ V]$ , then  $[/h/ \rightarrow \emptyset / V \_ V]$ ), followed by footing (degenerate feet are only allowed for stressed syllables). Stress reduction decides between two main-stressed syllables: the syllable with a longer nucleus wins; otherwise (if the two are of equal length), the leftmost stressed suffix wins. The loser is reduced to 2-stress. Finally, 2-stress is deleted from doubly-stressed or word-final feet. In (9b-iv) below, -ák attracts stress from an equally-short stem-vowel (a surface trochaic-seeming foot is due to a stressed suffix). In (29-iv), -ák loses to a long vowel. (32a-vi) has vowel deletion (a surface trochaic foot is underlyingly iambic). In (22-v), the suffix wins over an equally-long stem-vowel.

Stem UR	(9b-iv) /pi-pok/	(29-iv) /i-pait/	(32a-vi) /no-abobu/	(22-v) /no-oog/
FOOT, STRESS	(pi.pók)	(i.páit)	(no.à)(bo.bú)	(no-óog)
SYLLABLE RULES	-	-	(nà)(bo.bú)	(nóog)
Cycle I input	/pi.pók-ák/	/i.páit-ák/	/nà.bo.bú-áh/	/nóog-híg/
SYLLABLE, FOOT	(pi.pò).(kák)	(i.pái).(ták)	(nà.bo)(bù.táh)	(nóo.gáig)
STRESS REDUCTION	(pi.pò).(kák)	(i.pái).(ták)	(nà.bo)(bù.táh)	(nòo.gáig)
2-STRESS DELETION	-	-	(nà.bo)(bu.táh)	(noo.gáig)
Cycle II input	/pi.pò.kák-e/	/i.pái.ták-i/	/nà.bo.bu.táh-i/	/noo.gáig-a/
...	...	...	...	...
Final output	[(pi.pò)(ká).(kse)=na]	[(i.pái).ta.(kfí)=ri]	[(nà.bo)(bu.tá(í))=ro]	[(noo.gái).(ga)=ro]

Finally, TROCHAIC SHIFT applies to bisyllabic feet of the form ( $S_1 S_2$ ) where  $S_2$  is stressed, and shifts stress to  $S_1$  depending on syllable weight. Here we inherit from C&M two different weight scales for main and 2-stress, but we replace the sonority scale with the binary ( $V > i$ ) and avoid reversals. The scale for main stress is ( $VV > VN > \{iN, V\} > i$ ) and for 2-stress it is ( $VV > VN > iN > V > i$ ). TROCHAIC SHIFT applies if  $S_1 > S_2$  (according to the relevant scale). When  $S_2$  clashes with a following stressed syllable  $S_3$ , TROCHAIC SHIFT applies if  $S_1 = S_2$  and  $S_3$  is a short vowel (as long as  $S_1$  is not preceded by a stressed syllable) or if  $S_1 = S_2 = [i]$ . TROCHAIC SHIFT is illustrated by examples like (17a-iii) [(nòN.ksen).(tá)(kse)=ro], (6a-ii) [(nò.ko)(gá.ko).(ta)=ro], and (20-i) [(í.ri).(nó.ri).(je)].

**Supporting evidence:** The minimal pair (9b-v) [i.pò.ká.pai] vs. (32a-iii) [i.í.ga.nái] supports a role for morphology in stress assignment and poses a problem for C&M's morphology-blind analysis, in which main stress falls on the rightmost strongest syllable (simplifying). C&M incorrectly predict final stress in both words since [ai] > [a]. For us, the difference comes from the morphology: / [i-pok]-ápah-i/ with one bisyllabic suffix vs. / [i-íig]-an-áh-i/ with two monosyllabic suffixes, one of which is unstressed (-an is never stressed in the data). The minimal pair (5f) [o.kò.wo.gó.te=ro] vs. (15-iv) [òN.ko.wo.gó.te=ro] is also a problem for C&M. Since [oN] > [o], C&M incorrectly predict \*[(ón.ko)(wo.gò).te=ro] with main stress on the first, strongest syllable. For us, both words are assigned main stress at the stem level: [(o(N).kò)(wo.gó)]; without stressed suffixes, main stress does not shift. Most examples motivating C&M's claim that [a] > [eN] for main stress (but [a] < [eN] for 2-stress) involve stressed suffixes that happen to have [a]. C&M incorrectly predict pen-initial main stress in (6b-i) [(no.sà)(me.rè).(há.ka)] and (6b-ii) [(no.kà)(mo.sò)(wá.ti)]. For them, main stress on a short vowel in a word-final foot is avoided in favor of any preceding syllable of equal strength. Our analysis avoids this incorrect prediction: main-stress computation is local and normally only shifts stress rightwards from the stem.

**Conclusion:** Of the 122 stressed words in C&M and Michael 2008, our analysis covers at least 95 (after refinements omitted for space). It could cover 25 additional words which we did not have enough infor-

mation to analyze (each word has a conceivable parse consistent with our analysis). Only 2/122 words – (27) [o.tá.sòN.ka.kse=ro] and (30-i) [sá.bi.ta.ka] – cannot be accounted for regardless of their morphology and must be treated as two exceptions. Our result justifies a reconsideration of the exceptional status of Nanti and allows for maintaining the universals in (3)-(4).