

Feature Spreading, p. 1

Malay, Terena, and Asante data from Jacques Durand (1990) *Generative and Non-Linear Phonology*. Longman. Some errors have been corrected based on other sources.

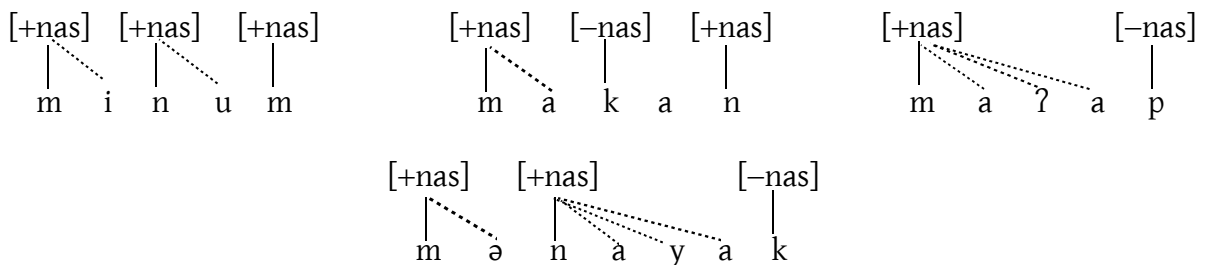
Nasal Spreading

Malay

	underlying	phonetic	
1.	/minum/	mĩnũm	'to drink'
2.	/makan/	mãkan	'to eat'
3.	/naik/	nãĩk	'to ascend'
4.	/baʝun/	baʝũn	'to rise'
5.	/mayan/	mãÿãn	'stalk (palm)'
6.	/maʔap/	mãʔãp	'pardon'
7.	/məŋajak/	məŋãÿãʔ	'to sift (act)'

Only [+cons] phonemes are underlyingly specified for [±nas].

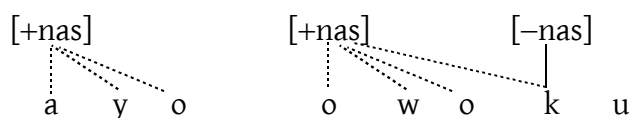
The feature [+nas] spreads to the right. However, autosegmental association lines are not allowed to cross. Therefore, the spreading stops at a [+cons] segment.



Terena

1.	emoʔu	'his word'	ẽmõʔũ	'my word'
2.	ayo	'his brother'	ãÿõ	'my brother'
3.	owoku	'his house'	õwõõ ^h gu	'my house'
4.	piho	'he went'	^m biho	'I went'

The first person morpheme is a floating [+nas]. It gets associated with the first phoneme and then spreads. Obstruents (which are [-nas] and thus block the spreading) get the [+nas] feature and become prenasalized.



Feature Spreading, p. 2

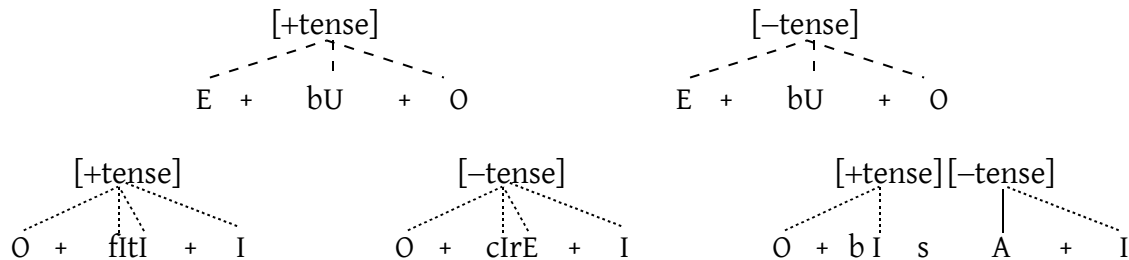
Vowel Harmony

Asante

(tones omitted)

1. e-bu-o 'nest'
2. ε-bɔ-ɔ 'stone'
3. o-fiti-i 'he pierced (it)'
4. ɔ-ciɾɛ-i 'he showed (it)'
5. o-bisa-i 'he asked (it)'

The feature [\pm tense] (or [\pm ATR]) is associated with the root. It spreads to affixes. The phoneme /a/ is inherently [$-$ tense]; i.e. it is prelinked.



Hungarian

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|----|----------------|----------|--------------|-------------------|-------------|--------------------|
| 1. | <i>hajó</i> | [həyo:] | 'boat' | <i>hajónak</i> | [həyo:nək] | 'boat (DAT)' |
| 2. | <i>város</i> | [va:roʃ] | 'city' | <i>városnak</i> | [va:roʃnək] | 'city (DAT)' |
| 3. | <i>ház</i> | [ha:z] | 'house' | <i>háznak</i> | [ha:znək] | 'house (DAT)' |
| 4. | <i>kert</i> | [kɛrt] | 'garden' | <i>kertnek</i> | [kɛrtnek] | 'garden (DAT)' |
| 5. | <i>egyetem</i> | [ɛjɛtɛm] | 'university' | <i>egyetemnek</i> | [ɛjɛtɛmnek] | 'university (DAT)' |
| 6. | <i>könyv</i> | [köjv] | 'book' | <i>könyvnek</i> | [köjvnek] | 'book (DAT)' |



Malay is a Malayo-Polynesian (Austronesian) language with nearly 40,000,000 speakers. It is the official language of Malaysia and Brunei, and one of the official languages of Singapore.



Terena is an Arawakan language spoken by 15,000 in Mato Grosso do Sul in Brazil.

Asante is a dialect of Akan, spoken by 2,800,000 in Ashanti Province, Ghana. Akan is an Atlantic-Congo (Niger-Congo) language with 8,300,000 speakers.

Hungarian is a Uralic language, the official language of Hungary. It has 12,501,270 speakers, 9,550,000 of them in Hungary.