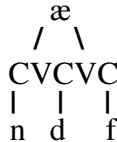


Autosegmentalism in Chaha

Afro-Asiatic, Ethiopia, 130,00 speakers; Data from McCarthy 1983, Petros Banksira 2000.

Instructions

- Develop an autosegmental analysis in OT of the following three morphemes of Chaha and how they're realized: propose underlying forms for each affix and account for whether and where they are realized
- You can assume that consonant features and vowel features are on different tiers.



- [nædæf] might look like CVCVC, where, e.g., æ abbreviates [+low, +front...].
- This will seem weird for labial and palatal secondary articulations on consonants (C^w, C^j), which are typically treated as adding the vowel-ish features [+round] and [+hi] (or [+front], or both): how can you add features from one tier to the other tier? For purposes of this assignment, pretend that features come in vowel and consonant versions, so labialization actually involves adding [+round_C], and palatalization [+hi_C].
- Additional pointers can be found below.

3rd person singular masculine object affix

<i>he Ved</i>	<i>he Ved him</i>	
dænæg	dænæg ^w	'hit'
nædæf	nædæf ^v	'sting'
k'ænæf	k'ænæf ^w	'knock down'
nækæb	nækæb ^w	'find'
nækæs	næk ^w æs	'bite'
kæfæt	kæf ^w æt	'open'
bækær	bæk ^w ær	'lack'
k'æt'ær	k' ^w æt'ær	'kill'
bænær	b ^w ænær	'demolish'
mæsær	m ^w æsær	'seem'
æræs	æræs	'build'
sædæd	sædæd	'chase'
næt'ær	næt'ær	'separate'

- Assume that the 'he Ved' form is the same as the underlying form of the verb root. That is, past tense and 3rd-person-singular-masculine subject don't add any affixes.
 - (The above can't really be true, because the vowels seem to constitute a morpheme; but we'll ignore that.)
- Assume the difference between C and C^w is that C^w is [+round_C].

Feminine subject (imperative) affix

<i>V!</i> (masc. subject)	<i>V!</i> (fem. subject)	
nəmæd	nəmæd ^j	‘love’
nək’ət’	nək’ət’ ^j	‘kick’
nəkəs	nəkəs ^j	‘bite’
gəræz	gəræz ^j	‘be old’
wət’æk’	wət’æk’ ^j	‘fall’
fəræx	fəræx ^j	‘be patient’
bənær	bənær	‘demolish’
k’ət’ær	k’ət’ær	‘kill’
nəkəb	nəkəb	‘find’
bəkər	bəkər	‘lack’
sənæb	sənæb	‘spin’

- Assume that the ‘V!’ form is the same as the underlying form of the verb root. Imperative and masculine-subject don’t add any affixes.
 - (Again, this is not totally true, as you can see from the vowels.)
- Assume the difference between C and C^j is [+hic].
- Assume a constraint *{r^j, b^j}, arbitrary as it seems.

A wrinkle to account for

<i>V!</i> (masc. subject)	<i>V!</i> (fem. subject)	
g ^j æk ^j æt	g ^j æk ^j æt ^j	‘accompany’
s ^j ægær	s ^j ægær	‘change’
t ^j æf ^w ær	t ^j æf ^w ær	‘scratch & mark’
g ^j æk ^j ær	g ^j æk ^j ær	‘straighten out’

<i>he Ved</i>	<i>he Ved him</i>	
mæk ^j ær	m ^w æk ^j ær	‘burn’
s ^j æfær	s ^j æf ^w ær	‘cover’

Impersonal affix

<i>he Ved</i>	<i>impersonal V</i>	
kæfæt	kæf ^w æt ^j	‘open’
nækæs	næk ^w æs ^j	‘bite’
t’æbæs	t’æb ^w æs ^j	‘fry’
dæmæd	dæm ^w æd ^j	‘join’
tæzrabæt’	tæzrab ^w æt’ ^j	‘have hope for’
bænær	b ^w ænær	‘demolish’
k’æt’ær	k’ ^w æt’ær	‘kill’
s ^j ægær	s ^j æg ^w ær	‘change’
nækæb	nækæb ^w	‘find’
sænæb	sænæb ^w	‘spin’
t ^j æf ^w ær	t ^j æf ^w ær	‘scratch & mark’
g ^j æk ^j ær	g ^j æk ^j ær	‘straighten out’
bætæx	bætæx ^w	‘dig out’
ax ^w ænæk’	ax ^w ænæk’ ^w	‘take off the clothes’
dænæg	dænæg ^w	‘hit’

- Again, assume that the ‘he Ved’ form is the same as the underlying form of the verb root.

Another wrinkle to account for

<i>V! (masc. subject)</i>	<i>V! (fem. subject)</i>	
bætət	bætʲətʲ	‘be wide’
fætət	fætʲətʲ	‘be partial’
nəzæz	nəzʲæzʲ	‘dream’
nək’ək’	nək’ʲək’ʲ	‘take apart’
ædəd	ædʲədʲ	‘cut peas/lentils’
æsəs	æsʲəsʲ	‘sweep’
səkək	səkʲəkʲ	‘plant in the ground’

<i>he Ved</i>	<i>he Ved him</i>	
akæk	akʷækʷ	‘scratch’

<i>he Ved</i>	<i>impersonal V</i>	
sækæk	sækʷækʷ	‘plant in the ground’
gæmæm	gæmʷæmʷ	‘chip the rim’
mərəqæq	mərəqʷæqʷ	‘scratch in a straight line’
bərəgæg	bərəgʷægʷ	‘be startled’
k’ak’a	k’ak’ʷa	‘tie tightly’
gərædæd	gʷərædʲædʲ	‘cut in big pieces’
k’əmamær	k’əmʷamʷær	‘cheat’
tæg mæmæt’	tæg mʷæmʷæt’ʲ	‘rinse’
tata	tʲatʲa	‘twist a rope’
at’at’a	at’ʲat’ʲa	‘rinse’
dæmæd	dæmʷædʲ	‘join’