

**Lgcs 10: Intro Ling.** Lecture Notes. Tues 2 Nov 2010.

**0. Announcements**

- Assignment 6: Somali. Due next Tues, Nov 9th.
- Reminder: Exam 3 Thurs., Nov. 11<sup>th</sup>. Closed book, closed note.
- Reminder: No class this Thurs., Nov. 4<sup>th</sup>.

**3. Rule Ordering**

From last time: Basque. Both dialects have the following two rules:

- (a) *Raising and Fronting*  
Low vowel → front mid / high vowel C<sub>0</sub> \_\_
- (b) *Height Dissimilation*  
Mid vowel → high / \_\_ low vowel

The dialects differ based on the ordering of these rules.

Baztan Basque:

(1)	/mutil/	/mutil-a/	/asto/	/asto-a/
<i>R&amp;F</i>	—	mutile	—	—
<i>HD</i>	—	—	—	astua
	[mutil]	[mutile]	[asto]	[astua]

Biscayan Basque:

(2)	/mutil/	/mutil-a/	/asto/	/asto-a/
<i>HD</i>	—	—	—	astua
<i>R&amp;F</i>	—	mutil-e	—	astue
	[mutil]	[mutile]	[asto]	[astue]

Practice: Tshiluba.

Tshiluba is a Bantu language spoken in the Democratic Republic of the Congo.

- (a) Account for the alternations in the 3<sup>rd</sup> Sing. forms.
- (b) Illustrate your analysis by providing derivations for the 3<sup>rd</sup> sing. forms for ‘hate’ and ‘dance’.

**2. Solution to Assignment 5.** Farsi (36), derivations for (c) and (n)

**3. Polish**

Neutralization.

Rule Ordering.

(3) Pairs illustrating the *o~u* alternation in Polish

klup	klubi	dom	domi	żwup	żwobi
wuk	wugi	dzvon	dzvoni	lut	lodi
fum	fumi	nos	nosi	bur	bori
trup	trupi	sok	soki	sul	soli
trut	trudi	snop	snopi	vus	vozi
grus	gruzi	kot	koti	ruk	rogi
wuk	wuki			vuw	vowi
zur	zuri			buj	boji

Solution:

#### **4. The Psychological Reality of the Phoneme (from last week's notes)**

#### **5. Latin (data on last week's notes)**

#### **6. Rules encountered so far:**

Shortening (English).

Nasal Place Assimilation (English, Italian).

Voicing Assimilation (Mokilese, Burmese).

Spirantization (Spanish).

Palatalization (Korean, Lamba).

Affrication (Canadian French).

Consonant Apocope (Farsi).

Word-final devoicing (Polish, Farsi).

Flapping (Farsi).

Lowering (Lamba).

Raising and Fronting (Basque).

Height Dissimilation (Basque).

#### **7. Problems to try on your own**

Greek (38).

Canadian English (30).

Bukusu (37).

**Assignment 6.** Due Tuesday, November 9<sup>th</sup>.

Somali is a Cushitic (Afro-Asiatic) language spoken mostly in Somalia. Consider the following data sets, and answer the questions that follow each set.

Data set A.

<i>Sing.</i>	<i>Def. Sing.</i>	<i>Pl.</i>	
da:r	da:rtá	da:ro	'house'
ge:s	ge:stá	ge:so	'side'
laf	lafstá	lafo	'bone'
lug	lugstá	luɣo	'leg'
na:g	na:gstá	na:ɣo	'woman'
tib	tibtá	tiβo	'pestle'
sab	sabstá	saβo	'outcast'
bad	bada	baðo	'sea'
irbad	irbada	irbaðo	'needle'
ʕid	ʕida	ʕiðo	'person'
feed	feedá	feezo	'rib'

- (4) What is the underlying form for the plural morpheme?
- (5) What is the underlying form for the singular definite morpheme?
- (6) Propose two rules to account for the alternations in the data. Your rules should **not** make reference to particular vowel qualities (high, front etc.)
- (7) Do your rules need to be ordered? If yes, how?
- (8) Provide derivations for [tiβo], [kefeðo], and [kefeda].

Data Set B.

<i>Sing.</i>	<i>Def. Sing.</i>	<i>Pl.</i>	
ul	ulta	ulo	'stick'
bil	bilta	bilo	'month'
laan	laanta	laamo	'branch'
daan	daanta	daano	'riverbank'
sun	sunta	sumo	'poison'
dan	danta	dano	'affair'
saan	saanta	saano	'hide'
sin	sinta	simo	'hip'

- (9) Propose another rule to account for the alternations in the data above.
- (10) Does your rule need to be ordered with respect to the other two?
- (11) Provide derivations for [sun] and [sumo], listing all three rules in your derivations. (If your rules are not crucially ordered, pick a random order.)

Data Set C

<i>Sing.</i>	<i>Def. Sing.</i>	<i>Pl.</i>	
nirig	nirigta	nirgo	'baby female camel'
gaβaɖ	gaβaɖá	gabɖo	'girl'
hoyol	hoyolta	hoglo	'downpour'
baɣal	baɣalta	baglo	'mule'
wafiɾ	wafiɾta	wafiɾo	'female kid'
kefed	kefeda	kefeðo	'pan'
ʕilin	ʕilinta	ʕilino	'female dwarf'
bohol	boholta	bohoho	'hole'

- (12) Propose another rule to account for the alternations in the data above.
- (13) Does your rule need to be ordered with respect to the other three? If yes, how?
- (14) Provide derivations for [gaβaɖ] and [gaβaɖá], and [gabɖo], listing all four rules in your derivations.