

Problem Set # 5 Tangale (Kidda 19887, 1993)

[1] Tangale is a Chadic language of Nigeria. It contrasts long and short vowels as well as single and geminate consonants; there is harmony for [ATR], which can be ignored for this pset. There are no clusters of consonants at the beginning or end of the word and medial clusters are restricted to two consonants; there is also a contrast of high [á] vs. low [a] tone.

kumó	ear	láála	spider	laara	to crawl	ik	body
kúmbi	navel	landá	dress	elus	saliva	kɔdɔk	rope

[2] stem-final vowels elide when an inflectional suffix is added (as well as when followed by a complement NP). You may posit a constraint that penalizes surface stem-final vowels, i.e. vowels which are exponents of the verbal or nominal lexical item. Using this Markedness constraint, what are the rankings needed given the common Faithfulness constraints?

tʊʊʒé	horse	taŋa	cow	laŋɔ́rɔ́	donkey	ɖándʒíkɪ	blouse
tʊʊʒ-dɔ́	her horse	taŋ-wú	their cow	laŋɔ́r-gu	your pl. donkey	ɖándʒík-nó	my blouse

[3] Expand your analysis to encompass the following data.

líprá	needle	wurgó	son-in-law	tagza	sorghum	tárgɔ	trap
lípúr-ʒí	your needle	wurug-mú	our s-i-l	taguz-nó	my sorghum	tárug-mu	our trap
pón-é	know	timl-é	hypnotize	ɖɛlm-é	lick		
pón-gó	knew	timul-gó	hypnotized	ɖɛlum-gó	licked		
pón-úd-gó	knew her	timl-un-gó	hypnotized me	ɖɛlm-un-gó	licked me		

[4] Adjust your analysis to account for the following data. What aspects of the representation are crucial?

mɔlle	brother	kwall-é	tie
mɔl-ʒí	your brother	kwal-gó	tied
		kwall-ud-gó	tied her

[5] What is the significance of the following examples? Propose a constraint to integrate them into your analysis.

landá	dress	kúmbi	navel	kɔldɔ	animal pen
lan-nó	my dress	kúm-dó	her navel	kɔl-nó	her animal pen
*lanud-nó					

mond-e	forget	sald-é	slander
mon-go	forgot	sal-gó	slandered
*monun-go		*salud-gɔ	
mond-un-go	forgot me	sald-ʊɜ-gó	slandered you

[6] Summarize your analysis in the form of a Hasse diagram showing the crucial rankings and provide tableaux verifying the rankings.

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