

Assignment #1: ordered rules

based on Week 1's material

due Friday, Oct. 11 in hard copy to Kie's mailbox in Campbell 3125 (office closes at 5 PM)

Background and notes

- The data here are partial Korean verb paradigms, from Park 2012.
- The transcriptions stop several rules short of the actual pronunciations, so most of these words actually sound fairly different.

Instructions and tips

- Account for the data by proposing...
 - underlying forms for the roots and affixes
 - phonological rules
 - orderings of the rules, where necessary
- Write up your solution in prose
 - This doesn't mean what you turn in has to be long!
 - But it does mean that it should be comprehensible to someone who doesn't know anything about Korean and doesn't have this document.
 - Incorporate derivations of representative forms into the text as necessary to illustrate your analysis, and explain what they are supposed to show. Don't just give one giant table of derivations for the reader to puzzle through.
 - It's a good habit to give each rule a name rather than a number.
 - The numbering is for your convenience when you meet to discuss the assignment. Don't use the numbers in your write-up (that is, don't make me go look up the item in this document!).

Tips/hints

- The double lines in the table group together roots that behave similarly
- I tried to arrange the affixes from easiest on the left to hardest on the right, so you might want to attack them in that order.
- You'll need one rule that picks out a set of vowels not easily described using features. You can just use { } and list the IPA symbols. For other rules, use features as much as possible.
- Don't forget that a root or affix has the **same underlying form every time**, and that each form is subject to the **same rules**, in the **same order**.
- Don't seek out additional Korean data; it will only make things harder. I carefully selected these items to avoid certain complications.

	dictionary form	'and V'	declarative I present	imp. III pres.	modifier pres.	mod. past	mod. future	gloss
1.	tʃʌkta	tʃʌkko	tʃʌkʌ	tʃʌkʌla	tʃʌknin	tʃʌkin	tʃʌkɪl	write
2.	mitta	mitko	mitʌ	mitʌla	mitnin	mitin	mitɪl	believe
3.	sumta	sumko	sumʌ	sumʌla	sumnin	sumin	sumɪl	hide
4.	sinta	sinko	sinʌ	sinʌla	sinnin	sinin	sinɪl	wear
5.	itʃta	itʃko	itʃʌ	itʃʌla	itʃnin	itʃin	itʃɪl	forget
6.	namta	namko	nama	namala	namnin	namin	namɪl	remain
7.	tatta	tatko	tata	tatala	tatnin	tatin	tatɪl	close
8.	makta	makko	maka	makala	maknin	makin	makɪl	block
9.	nænohta	nænohko	nænoha	nænohala	nænohnin	nænohin	nænohɪl	put out
10.	sʌta	sʌko	sʌ	sʌla	sʌnin	sʌn	sʌl	stand
11.	k ^h jʌta	k ^h jʌko	k ^h jʌ	k ^h jʌla	k ^h jʌnin	k ^h jʌn	k ^h jʌl	turn on
12.	kʌnnʌta	kʌnnʌko	kʌnnʌ	kʌnnʌla	kʌnnʌnin	kʌnnʌn	kʌnnʌl	cross
13.	kata	kako	ka	kala	kanin	kan	kal	go
14.	sata	sako	sa	sala	sanin	san	sal	buy
15.	t ^h ata	t ^h ako	t ^h a	t ^h ala	t ^h anin	t ^h an	t ^h al	ride
16.	ota	oko	wa	wala	onin	on	ol	come
17.	pota	poko	pwa	pwala	ponin	pon	pol	see
18.	pæuta	pæuko	pæwʌ	pæwʌla	pæunin	pæun	pæul	learn
19.	pakkuta	pakkuko	pakkwʌ	pakkwʌla	pakkunin	pakkun	pakkul	change
20.	tʃʉta	tʃʉko	tʃʉwʌ	tʃʉwʌla	tʃʉnin	tʃʉn	tʃʉl	give
21.	nanuta	nanuko	nanwʌ	nanwʌla	nanunin	nanun	nanul	divide
22.	seuta	seuko	sewʌ	sewʌla	seunin	seun	seul	stand

23.	ssita	ssiko	ssa	ssala	ssinin	ssin	ssil	write
24.	essita	essiko	essa	essala	essin	essin	essil	try
25.	k ^h ita	k ^h iko	k ^h ʌ	k ^h ʌla	k ^h in	k ^h in	k ^h il	grow
26.	ttita	ttiko	ttʌ	ttʌla	ttin	ttin	ttil	float
27.	akkita	akkiko	akkjʌ	akkjʌla	akkin	akkin	akkil	save
28.	allita	alliko	alljʌ	alljʌla	allin	allin	allil	let know
29.	pita	piko	pjʌ	pjʌla	pin	pin	pil	be empty
30.	nupta	nupko	nuwʌ	nuwʌla	nupn	nuun	nuul	lie
31.	kupta	kupko	kuwʌ	kuwʌla	kupn	kuun	kuul	roast
32.	topta	topko	towa	towala	topn	toun	toul	help
33.	t̃fista	t̃fisko	t̃fiʌ	t̃fiʌla	t̃fisn	t̃fin	t̃fiil	make
34.	pusta	pusko	puʌ	puʌla	pusn	puin	puil	stick
35.	ista	isko	iʌ	iʌla	isn	in	iil	connect
36.	kʌta	kʌlko	kʌʌ	kʌʌla	kʌn	kʌn	kʌl	hang
37.	milta	milko	milʌ	milʌla	min	min	mil	push
38.	ulta	ulko	ulʌ	ulʌla	un	un	ul	cry
39.	tilta	tilko	tilʌ	tilʌla	tin	tin	til	raise
40.	salta	salko	sala	salala	san	san	sal	live
41.	alta	alko	ala	alala	an	an	al	know
42.	tolta	tolko	tola	tolala	ton	ton	tol	turn
43.	molta	molko	mola	molala	mon	mon	mol	steer

References

Park, Kyubyong. 2012. *500 Basic Korean Verbs: The Only Comprehensive Guide to Conjugation and Usage*. with companion CD. Tuttle Publishing.