
practice problems #3: morphophonemics

Due Wednesday, July 9th, in class.

Name: _____

exercise 3.1: Gikuyu

The following are some words in Gikuyu, a Bantu language spoken in Kenya:

	Singular	Plural	
a.	robaru	mbaru	'rib'
b.	rotʃuðe	ndzuðe	'backbone'
c.	rogiri	ŋgiri	'fence'
d.	roko	ŋgo	'firewood'
e.	rooto	noto	'branch'

A. Assuming regularity, what would the plurals be for the following words:

	Singular:	Plural:	
f.	roda		'stomach'
g.	rokayo		'echo'
h.	rotumo		'seam'
i.	roama		'stitch'

B. Describe and name the rule or rules that account for the allomorphs in these data:

C. Give complete derivations for the four plural forms in A (stomachs, echos, seams and stitches):

Mongolian

Adapted from Cipollone, Keiser and Vasishth (p. 162)

	gloss	stem	future imperative
1.	enter	or	oro:roy
2.	go	yav	yava:ray
3.	sit	su:	su:ga:ray
4.	come	ir	ire:rey
5.	do	xi:	xi:ge:rey
6.	come out	gar	gara:ray
7.	take	av	ava:ray
8.	study	sur	sura:ray
9.	finish	büte:	büte:ge:rey
10.	drink	ü:	ü:ga:ray
11.	find out	ol	olo:roy
12.	conquer	yal	yala:ray
13.	beat	dev	deve:rey
14.	give	ög	ögö:röy
15.	say	xel	xele:rey
16.	meet	u:lz	u:lza:ray
17.	become	bol	
18.	write	bič	
19.	develop	xögž	
20.	ask	asu:	

A. What are the allomorphs of the future imperative suffix in Mongolian?

B. Fill in the future imperative form of examples 17 through 20.

C. What is the most reasonable underlying form for the future imperative suffix? Explain why.

D. Write a morphophonemic rule or rules that describe the distribution of the allomorphs.

exercise 3.9: Alekano (25 points)

Merrifield, et al. problem 109

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| 1. nonepelene | 'You are striking me.' | 11. nokupuluve | 'I am striking them.' |
| 2. nogupuluve | 'I am striking you.' | 12. nokepelene | 'You are striking them.' |
| 3. napuluve | 'I am striking him.' | 13. napelesive | 'You two are striking him.' |
| 4. napelene | 'You are striking him.' | 14. napeleve | 'They are striking him.' |
| 5. nonipilive | 'He is striking me.' | 15. nikepeleve | 'They are striking them.' |
| 6. ninepeleve | 'They are striking me.' | 16. nolikipilive | 'He is striking you two.' |
| 7. nogipilive | 'He is striking you.' | 17. apuluve | 'I struck him.' |
| 8. nigepeleve | 'They are striking you.' | 18. kepeleve | 'They struck them.' |
| 9. ninepelesive | 'You two are striking me.' | 19. nepelene | 'You struck me.' |
| 10. nolukupuluve | 'I am striking you two.' | | |

A. What language family does Alekano belong to?

B. Give underlying forms for all the stems and affixes in these data. Present this as a position-class diagram of the verb,

C. Write rules that will derive the surface forms from your posited underlying forms.