

Allomorphy and abstractness: empirical considerations

Renate Raffelsiefen

Leibniz-Institut für Deutsche Sprache, Mannheim

(1)

		-back		+back	
		-round	+round	-round	+round
+high –low	-peripheral	ɪ	ʏ	-	ʊ
	+peripheral	i	y	-	u
-high –low	-peripheral	ɛ	œ	-	ɔ
	+peripheral	e	ø	-	o
-high +low	-peripheral	-	-	a	-
	+peripheral	æ	-	ɑ	-

(2)

Input	* MARK	IO-CORR(consonant) IO-CORR([±round]) IO-CORR([±high]) IO-CORR([±per]) IO-CORR([-back]) IO-CORR([-low])	DISTINCT	IO-CORR([+back]) IO-CORR([+low])
/art ^s t/				
/art ^s t/			*!	
☞ /ɛrt ^s t/				**

(3) **Phonologically & morphologically
a less marked**

/fɔgəl/SINGULAR „bird"
 /nəmən/PAST-INDICATIVE „took“
 /fɔgəl/BASE „bird“
 /bəgrɒb/BASE „bury“
 /kʊnst/BASE „art“

b. /di/3-SINGULAR „says“
 /dɔr/SINGULAR INDICATIVE „sleep“
 /lu/MASC „wolf (male)“
 /du/BASE „gentle“

**Phonologically & morphologically
more marked**

/fɔgəl/PLURAL „birds“
 /nəmən/PAST-SUBJUNCTIVE „would have taken“
 /fɔgəl-çən/AFF „bird+DIM“
 /bəgræb-nɪs/AFF „bury+NOM“
 /kʏnst-lər/AFF „artist“

/diz/3-Plural „say“
 /dɔrm/SINGULAR-SUBJUNCTIVE „would read“
 /luv/FEM „wolf (female)“
 /dus-mɔ/AFF „gently“

(4) Input	LEFT ANCHOR-IO	CONTIGUITY-IO	IO-correspondence (vowel, r)	DISTINCT	RIGHT ANCHOR-IO
/diz/					
/diz/				*!	
☞ /di/					*

Verbsyncretism

185 cases of stem allomorphy.

(5)	BASE/PRES	Participle	PAST	
	A	B	B	/gis/, /gɔs/, /gɔs/ 'pour'
	A	A	B	/lez/, /lez/, /lɔz/ 'read'
	A	B	C	/vɛrb/, /vɔrb/, /varb/ 'woo'
*	A	B	A	-

/vɪnk/BASE, /vʊnk/PART, /vɪnk/PAST 'wave' single counter-example, but not really
winken_{BASE}, gewunken_{PART}, winkte_{PAST}

(6) a. Evaluation of lexical entries with allomorphy

{/fɛr/BASE, /fɔr/PART, /fɑr/PAST}	IO-CORR	IO-BASE	*PAST = BASE	*PAST = PART
/fɛr/BASE, /fʊr/PART, /fɑr/PAST	*!			
/fɔr/BASE/PART, /fɑr/PAST		*!		
/fɛr/BASE/PAST, /fɔr/PART,			*!	
/fɛr/BASE, /fɔr/PART/PAST				*!
☞ /fɛr/BASE, /fɔr/PART, /fɑr/PAST				

b.

{/fɛr/BASE, /fɔr/PART, /fɑr/PAST}	*PAST = BASE	Uniform Exponence	*PAST = PART
/fɛr/BASE, /fɔr/PART, /fɛr/PAST	*!		
☞ /fɛr/BASE, /fɔr/PART/PAST		**	
/fɛr/BASE, /fɔr/PART, /fɑr/PAST		***!	

Containment Hypothesis (Bobaljik 2012)

The representation of the finite past tense properly contains that of the past participle.

[[[-]PAST]PAST FINITE]

- i. [] present (default, no defining features) (least marked)
- ii. [PAST] (past participle)
- iii [PAST, FINITE] finite past tense (most marked)

Elsewhere logic:

The *ABA pattern is unstatable: it is impossible to single out the middle member of the hierarchy to the exclusion to one of the other columns. To the extent that a particular ablaut form does in fact only surface in the participle, this situation can only arise when the use of this form in the preterite is bled by a more highly specified form for that context.

Alternative: Ranking of DISTINCT constraints with markedness and faithfulness constraints.

(7)	/kriç/BASE, /krɔiç/SG-2/3	*ɔi	* 2/3 SG = BASE
	{/kriç/BASE, /krɔiç/SG-2/3}	*!	
	☞ {/kriç/BASE, /kriç/SG-2/3}		*

