

Root allomorphy in Spanish verbs

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Introduction

Patterns of root allomorphy

Analysis

Introduction

Patterns of root allomorphy

Analysis

Introduction

Present Indicative (Arregi 2000)

		I			II			III			
		V	θ	Φ	V	θ	Φ	V	θ	Φ	
SG	1	cánt	Ø	o	tém	Ø	o	párt	Ø	o	
	2	cánt	a	s	tém	e	s	párt	e	s	
	3	cánt	a	Ø	tém	e	Ø	párt	e	Ø	
	PL	1	cant	á	mos	tem	é	mos	part	í	mos
	2	cant	á	is	tem	é	is	part	í	s	
	3	cánt	a	n	tém	e	n	párt	e	n	

Introduction

Present Indicative (Arregi 2000)

		I			II			III			
		V	θ	Φ	V	θ	Φ	V	θ	Φ	
SG	1	cánt	Ø	o	tém	Ø	o	párt	Ø	o	
	2	cánt	a	s	tém	e	s	párt	e	s	
	3	cánt	a	Ø	tém	e	Ø	párt	e	Ø	
	PL	1	cant	á	mos	tem	é	mos	part	í	mos
	2	cant	á	is	tem	é	is	part	í	(i)s	
	3	cánt	a	n	tém	e	n	párt	e	n	

Introduction

Root Size Paradigm (Caha et al. 2019)

I. Allomorph distribution is a function of size.

(1)	F0	F1	F2	F3
Class I root		suff1		
Class II root			suff2	
Class III root				suff3

Introduction

Root Size Paradigm (Caha et al. 2019)

- I. Allomorph distribution is a function of size.
- II. Suppletion is a function of size.

(1)

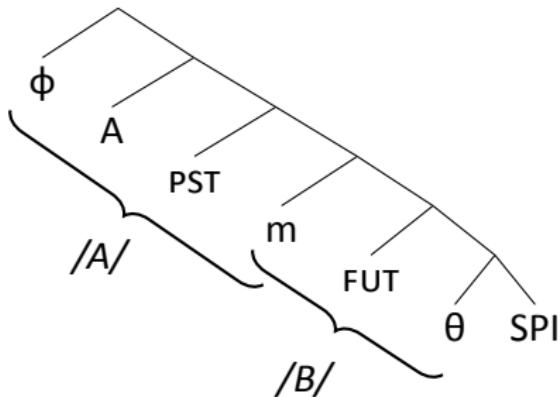
F0	F1	F2	F3
Class I root		suff1	
Class II root		suff2	
Class III root		suff3	

(2)

F0	F1	F2
root	suff1	
suppletive root	suff2	
suppletive root		

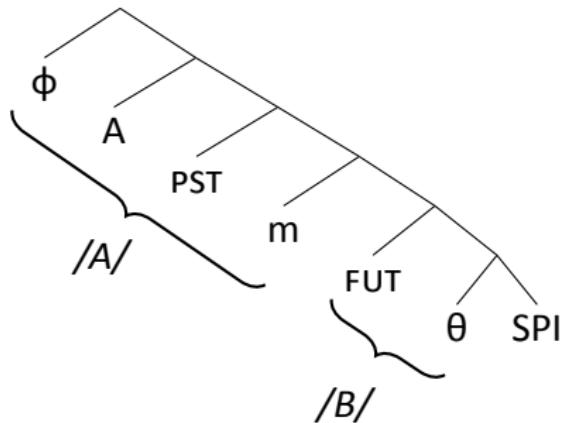
Introduction

(3)



Introduction

(3)



Introduction

- (4) *The Superset Principle* (Starke 2009)
A lexically stored tree L matches a syntactic node S iff L contains the syntactic tree dominated by S as a subtree.

Starke (2019)

Introduction

Patterns of root allomorphy

Analysis

Diphthongal allomorphy

Diphthongal allomorphy

	Class I		Class II		Class III	
	INF	PRS 3SG	INF	PRS 3SG	INF	PRS 3SG
<i>e-ie</i>	neg-ar	niég-e	atend-er	atiend-e	sent-ir	sient-e
	empez-ar	empiez-a	quer-er	quier-e	ven-ir	vien-e
	cerr-ar	cierr-a	entend-er	entiend-e	prefer-ir	prefier-e
<i>o-ue</i>	rod-ar	rued-a	mol-er	muel-e	dorm-ir	duerm-e
	vol-ar	vuel-a	pod-er	pued-e	mor-ir	muer-e
	cont-ar	cuent-a	ten-er	tien-e		
<i>u-ue</i>	jug-ar	jueg-a				
<i>i-ie</i>					inquir-ir	inquier-e

Diphthongal allomorphy

Diphthongal allomorphy: *volar* ‘fly’

		PFV PST	SBJV	PRS	IPFV PST	FUT	COND
SG	1	vol-é	vuél-e	vuél-o	vol-aba	vol-aré	vol-aría
	2	vol-áste	vuél-es	vuél-as	vol-abas	vol-arás	vol-arías
	3	vol-ó	vuél-e	vuél-a	vol-aba	vol-ará	vol-aría
PL	1	vol-ámos	vol-émos	vol-ámos	vol-abamos	vol-aremos	vol-aríamos
	2	vol-astéis	vol-éis	vol-áis	vol-abais	vol-aréis	vol-aríais
	3	vol-áron	vuél-en	vuél-an	vol-aban	vol-arán	vol-arían

Diphthongal allomorphy

Diphthongal allomorphy: *volar* ‘fly’

		PFV PST	SBJV	PRS	IPFV PST	FUT	COND
SG	3	vol-ó	vuél-e	vuél-a	vol-aba	vol-ará	vol-aría
	2	vol-áste	vuél-es	vuél-as	vol-abas	vol-arás	vol-arías
	1	vol-é	vuél-e	vuél-o	vol-aba	vol-aré	vol-aría
PL	3	vol-áron	vuél-en	vuél-an	vol-aban	vol-arán	vol-arían
	2	vol-astéis	vol-éis	vol-áis	vol-abais	vol-aréis	vol-aríais
	1	vol-ámos	vol-émox	vol-ámos	vol-ábamos	vol-aremos	vol-aríamos

Vowel height allomorphy

Vowel height allomorphy

	Class I		Class II		Class III	
	INF	PST 3SG	INF		PST	3SG
<i>e-i</i>				compet-í-r	compit-i-ó	
				correg-í-r	corrig-i-ó	
				repet-í-r	repit-i-ó	
				segu-í-r	sig-i-ó	
				ped-í-r	pid-i-ó	
<i>o-u</i>				dorm-í-r	durm-i-ó	
				mor-í-r	mur-i-ó	

Vowel height allomorphy

Vowel height allomorphy: *pedir* ‘ask’

		PFV PST	SBJV	PRS	IPFV PST	FUT	COND
SG	3	pid-ió	pid-a	pid-e	ped-íá	ped-irá	ped-iría
	2	ped-iste	pid-as	pid-es	ped-íás	ped-irás	ped-irías
	1	ped-í	pid-a	pid-o	ped-íá	ped-iré	ped-iría
PL	3	pid-ieron	pid-an	pid-en	ped-íán	ped-irán	ped-irían
	2	ped-isteis	pid-áis	ped-ís	ped-íais	ped-iréis	ped-iríais
	1	ped-imos	pid-ámos	ped-imos	ped-íamos	ped-iremos	ped-iríamos

Diphthongal and vowel height allomorphy

Diphthongal and vowel height allomorphy: *sentir* 'feel'

		PFV PST	SBJV	PRS	IPFV PST	FUT	COND
SG	3	sint-ió	sient-a	sient-e	sent-íá	sent-irá	sent-iría
	2	sent-iste	sient-as	sient-es	sent-íás	sent-irás	sent-irías
	1	sent-í	sient-a	sient-o	sent-íá	sent-iré	sent-iría
PL	3	sint-ieron	sient-an	sient-en	sent-íán	sent-irán	sent-irían
	2	sent-isteis	sint-áis	sent-ís	sent-íais	sent-iréis	sent-iríais
	1	sent-imos	sint-ámos	sent-imos	sent-íamos	sent-iremos	sent-iríamos

Subjunctive allomorphy

Subjunctive allomorphy

	Class I		Class II		Class III	
	INF	SBJV	INF	SBJV	INF	SBJV
A			pon-er	pong-a	sal-ir	salg-a
			val-er	valg-a	luc-ir	luzc-a
			conoc-er	conozc-a	-duc-ir	-duzc-a
			ten-er	teng-a	ven-ir	veng-a
B			cab-er	quép-a		
			sab-er	sep-a		
			hab-er	hay-a		
C			hac-er	hag-a	dec-ir	dig-a
			tra-er	traig-a		

Subjunctive allomorphy

Subjunctive allomorphy

	Class I		Class II		Class III	
	INF	SBJV	INF	SBJV	INF	SBJV
A			pon-er	pon- <i>g</i> -a	sal-ir	sal- <i>g</i> -a
			val-er	val- <i>g</i> -a	luc-ir	luz- <i>g</i> -a
			conoc-er	conoc- <i>g</i> -a	-duc-ir	-duc- <i>g</i> -a
			ten-er	ten- <i>g</i> -a	ven-ir	ven- <i>g</i> -a
B			cab-er	quép-a		
			sab-er	sep-a		
			hab-er	hay-a		
C			hac-er	hag-a	dec-ir	dig-a
			tra-er	traig-a		

Subjunctive allomorphy

Subjunctive allomorphy: *conocer* ‘know’

PFV PST	SBJV	PRS	IPFV PST	FUT	COND
conoc-ió	conozc-a	conoc-e	conoc-ía	conoc-erá	conoc-ería
conoc-iste	conozc-as	conoc-es	conoc-ías	conoc-erás	conoc-erías
conoc-í	conozc-a	conozc-o	conoc-ía	conoc-eré	conoc-ería
conoc-ieron	conozc-an	conoc-an	conoc-ían	conoc-erán	conoc-erían
conoc-istéis	conozc-áis	conoc-éis	conoc-íais	conoc-eréis	conoc-eríais
conoc-imos	conozc-amos	conoc-emos	conoc-íamos	conoc-eremos	conoc-eríamos

Subjunctive allomorphy

Subjunctive allomorphy: *conocer* ‘know’

PFV PST	SBJV	PRS	IPFV PST	FUT	COND
conoc-ió	conoc-g-a	conoc-e	conoc-íá	conoc-erá	conoc-ería
conoc-iste	conoc-g-as	conoc-es	conoc-ías	conoc-erás	conoc-erías
conoc-í	conoc-g-a	conoc-g-o	conoc-íá	conoc-eré	conoc-ería
conoc-ieron	conoc-g-an	conoc-an	conoc-ían	conoc-erán	conoc-erían
conoc-istéis	conoc-g-áis	conoc-éis	conoc-íais	conoc-eréis	conoc-eríais
conoc-imos	conoc-g-amos	conoc-emos	conoc-íamos	conoc-eremos	conoc-eríamos

Subjunctive allomorphy

Subjunctive allomorphy: *cab-er* 'fit'

PFV PST	SBJV	PRS	IPFV PST	FUT	COND
cup-o	quep-a	cab-e	cab-íá	cabr-á	cabr-íá
cup-iste	quep-as	cab-es	cab-íás	cabr-ás	cabr-íás
cup-e	quep-a	quep-o	cab-íá	cabr-é	cabr-íá
cup-eron	quep-an	cab-en	cab-íán	cabr-án	cabr-íán
cup-isteis	quep-áis	cab-éis	cab-íáis	cabr-éis	cabr-íáis
cup-imos	quep-amos	cab-emos	cab-íamos	cabr-emos	cabr-íamos

Perfect past allomorphy

Perfect past allomorphy

	Class I		Class II			Class III		
	INF	PFV PST	INF	PFV	PST	INF	PFV	PST
A	and-ar	andúv-o	sab-er	súp-o		-duc-ir	-duj-e	
	est-ar	estúv-o	cab-er	quép-o				
B			pon-er	pús-o				
C						dec-ir	dij-o	
D			quer-er	quis-o				
			ten-er	túv-o				
			pod-er	púd-o		ven-ir	vin-o	

Perfect past allomorphy

Past allomorphy: *andar* 'walk'

PFV PST	SBJV	PRS	IPFV PST	FUT	COND
anduv-ó	and-e	and-a	and-aba	and-ará	and-aría
anduv-iste	and-es	and-as	and-abas	and-arás	and-arías
anduv-é	and-e	and-o	and-aba	and-aré	and-aría
anduv-ieron	and-en	and-an	and-aban	and-arán	and-arían
anduv-istéis	and-éis	and-áis	and-abais	and-aréis	and-aríais
anduv-imos	and-émos	and-ámos	and-ábamos	and-aremos	and-aríamos

Future allomorphy

Future allomorphy

	Class I		Class II		Class III	
	INF	3SG FUT	INF	3SG FUT	INF	3SG FUT
A	sab-e-r	sabr-á				
	cab-e-r	cabr-á				
	hab-e-r	habr-á				
	quer-e-r	querr-á				
B	pon-e-r	pondr-á	sal-i-r	saldr-á		
	val-e-r	valdr-á	ven-i-r	vendr-á		
	ten-e-r	tindr-á				
C	hac-e-r	har-á	dec-i-r	dir-á		

Future allomorphy

Future allomorphy

	Class I		Class II		Class III	
	INF	3SG FUT	INF	3SG FUT	INF	3SG FUT
A	sab-e-r	sab- r -á	B	cab-e-r	cab- r -á	
	cab-e-r	cab- r -á		hab-e-r	hab- r -á	
	hab-e-r	hab- r -á		quer-e-r	quer- r -á	
	quer-e-r	quer- r -á		pon-e-r	pond- r -á	sal-i-r sald- r -á
B	pon-e-r	pond- r -á		val-e-r	vald- r -á	ven-i-r vend- r -á
	val-e-r	vald- r -á		ten-e-r	tend- r -á	
	ten-e-r	tend- r -á		hac-e-r	har-á	dec-i-r dir-á
C						

Future allomorphy

Future allomorphy: *salir* 'leave'

PFV PST	SBJV	PRS	IPFV PST	FUT	COND
sal-ió	sal-g-a	sal-e	sal-íá	sald-r-á	sald-r-íá
sal-íste	sal-g-as	sal-es	sal-ías	sald-r-ás	sald-r-ías
sal-í	sal-g-a	sal-g-o	sal-íá	sald-r-é	sald-r-íá
sal-ieron	sal-g-an	sal-en	sal-ían	sald-r-án	sald-r-íán
sal-istéis	sal-g-áis	sal-ís	sal-íais	sald-r-éis	sald-r-íais
sal-ímos	sal-g-ámos	sal-imos	sal-íamos	sald-r-emos	sald-r-íamos

Patterns of root allomorphy

Diphthongal, past: *poder* 'be able'

PFV PST	SBJV	PRS	IPFV PST	FUT	COND
pud-o	pued-a	pued-e	pod-íá	pod-r-á	pod-r-íá
pud-iste	pued-as	pued-es	pod-íás	pod-r-ás	pod-r-íás
pud-e	pued-a	pued-o	pod-íá	pod-r-é	pod-r-íá
pud-eron	pued-an	pued-en	pod-íán	pod-r-án	pod-r-íán
pud-isteis	pod-áis	pod-eis	pod-íais	pod-r-éis	pod-r-íais
pud-imos	pod-amos	pod-emos	pod-íamos	pod-r-emos	pod-r-íamos

Patterns of root allomorphy

Subjunctive, past, future: *caber* 'fit'

PFV PST	SBJV	PRS	IPFV PST	FUT	COND
cup-o	quep-a	cab-e	cab-íá	cabr-á	cabr-íá
cup-iste	quep-as	cab-es	cab-íás	cabr-ás	cabr-íás
cup-e	quep-a	quep-o	cab-íá	cabr-é	cabr-íá
cup-eron	quep-an	cab-en	cab-íán	cabr-án	cabr-íán
cup-isteis	quep-áis	cab-éis	cab-íáis	cabr-éis	cabr-íáis
cup-imos	quep-amos	cab-emos	cab-íamos	cabr-emos	cabr-íamos

Patterns of root allomorphy

Vowel height, subjunctive, past, future: *decir* 'say'

		PFV PST	SBJV	PRS	IPFV PST	FUT	COND
SG	3	dij-o	dig-a	dic-e	dec-íá	dir-á	dir-íá
	2	dij-iste	dig-as	dic-es	dec-íás	dir-ás	dir-íás
	1	dij-e	dig-a	dig-o	dec-íá	dir-é	dir-íá
PL	3	dij-eron	dig-an	dic-en	dec-íán	dir-án	dir-íán
	2	dij-isteis	dig-áis	dec-ís	dec-íás	dir-éis	dir-íás
	1	dij-imos	dig-amos	dec-imos	dec-íamos	dir-emos	dir-íamos

Introduction

Patterns of root allomorphy

Analysis

The functional sequence

Invariable part of the suffixes

		PFV	PST	SBJV	PRS	IPFV	PST	FUT	COND
SG	3	ó				í-a		r-á	r-í-a
	2	ste(s)	s	s		í-a-s		r-á-s	r-í-a-s
	1			(o)		í-a		r-é	r-í-a
PL	3	ron		n	n	í-a-n		r-á-n	r-í-a-n
	2	steis		is	is	í-a-is		r-é-is	r-í-a-is
	1	mos		mos	mos	í-a-mos	r-e-mos	r-í-a-mos	

The functional sequence

Invariable part of the suffixes

			PFV	PST	SBJV	PRS	IPFV	PST	FUT	COND
			Ø	Ø			I-θ-	Ø	R-θ-Ø	R-I-θ-Ø
SG	3	ó					í-a		r-á	r-í-a
	2	ste(s)	s		s		í-a-s		r-á-s	r-í-a-s
	1				(o)		í-a		r-é	r-í-a
PL	3	ron	n		n		í-a-n		r-á-n	r-í-a-n
	2	steis	is		is		í-a-is		r-é-is	r-í-a-is
	1	mos	mos		mos		í-a-mos		r-e-mos	r-í-a-mos

The functional sequence

	SPI	θ	R	I	A	ϕ
PRS	tem	e				s
FUT	tem	e	r		a	s
IPFV PST	tem	(e)		i	a	s
COND	tem	e	r	i	a	s

The functional sequence

	SPI	θ	FUT	PST	A	ϕ
PRS	tem	e				s
FUT	tem	e	r		a	s
IPFV PST	tem	(e)		i	a	s
COND	tem	e	r	i	a	s

The functional sequence

	root	θ	FUT	PST	ϕ
PRS	chant	e			ons
FUT	chant	e	r		ons
IPVF	chant	e		i	ons
COND	chant	e	r	i	ons

The functional sequence

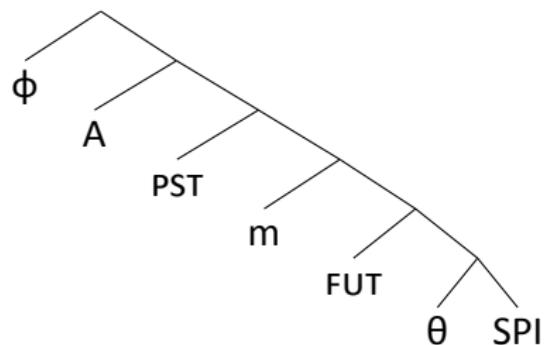
	root	FUT	PST	φ
PRS	talk			
FUT	talk	will		
PFV PST	talk		ed	
COND	talk	will	ed	

The functional sequence

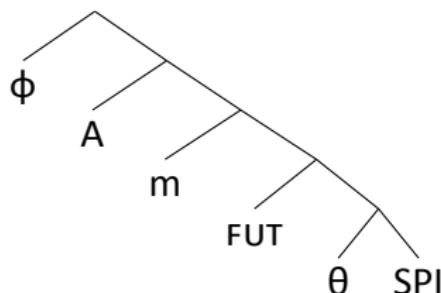
	root	θ	FUT	PST	A	ϕ
PRS	cant	a				mos
	tem	e				mos
	part	i				mos
FUT	cant	a	r		e	mos
	tem	e	r		e	mos
	part	i	r		e	mos
IPVF	cant	a		b	a	mos
	tem	(e)		í	a	mos
	part	(i)		í	a	mos
COND	cant	a	r	í	a	mos
	tem	e	r	í	a	mos
	part	i	r	í	a	mos

The functional sequence

Conditional

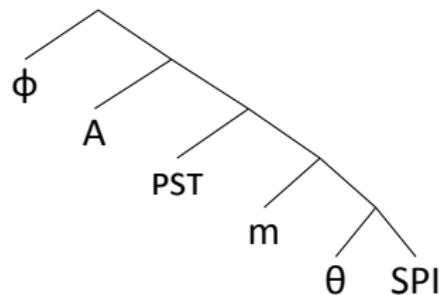


Future

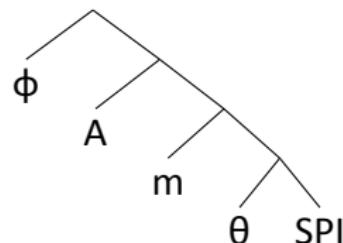


The functional sequence

Imperfective past



Present



Present, future, past, and conditional



Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e				-s	
b.	tem	-e		-r		-a	-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s
d.	tem	-e		-r	-í	-a	-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s
d.	tem	-e		-r	-í	-a	-s
e.	cab			-r		-a	-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s
d.	tem	-e		-r	-í	-a	-s
e.	cab			-r		-a	-s
f.	cab			-r	-í	-a	-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s
d.	tem	-e		-r	-í	-a	-s
e.	cab			-r		-a	-s
f.	cab			-r	-í	-a	-s
g.	cab	-e					-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s
d.	tem	-e		-r	-í	-a	-s
e.	cab			-r		-a	-s
f.	cab			-r	-í	-a	-s
g.	cab	-e					-s
h.	cab	-e			-í	-a	-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s
d.	tem	-e		-r	-í	-a	-s
e.	cab			-r		-a	-s
f.	cab			-r	-í	-a	-s
g.	cab	-e					-s
h.	cab	-e			-í	-a	-s
i.	pond			-r		-a	-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s
d.	tem	-e		-r	-í	-a	-s
e.	cab			-r		-a	-s
f.	cab			-r	-í	-a	-s
g.	cab	-e					-s
h.	cab	-e			-í	-a	-s
i.	pond			-r		-a	-s
j.	pond			-r	-í	-a	-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s
d.	tem	-e		-r	-í	-a	-s
e.	cab			-r		-a	-s
f.	cab			-r	-í	-a	-s
g.	cab	-e					-s
h.	cab	-e			-í	-a	-s
i.	pond			-r		-a	-s
j.	pond			-r	-í	-a	-s
k.	pon	-e					-s

Present, future, past, and conditional

	SPI	θ	FUT	m	PST	A	ϕ
a.	tem	-e					-s
b.	tem	-e		-r		-a	-s
c.	tem	-e			-í	-a	-s
d.	tem	-e		-r	-í	-a	-s
e.	cab			-r		-a	-s
f.	cab			-r	-í	-a	-s
g.	cab	-e					-s
h.	cab	-e			-í	-a	-s
i.	pond			-r		-a	-s
j.	pond			-r	-í	-a	-s
k.	pon	-e					-s
l.	pon	-e			-í	-a	-s

Class III: e/i-alternation

Present Indicative, regular

		II			III		
		V	θ	Φ	V	θ	Φ
SG	3	tem	e	Ø	part	e	Ø
	2	tem	e	s	part	e	s
	1	tem	Ø	o	part	Ø	o
PL	3	tem	e	n	part	e	n
	2	tem	e	is	part	i	is
	1	tem	e	mos	part	i	mos

Class III: e/i-alternation

Present Indicative, diphthongal allomorphy

		II			III		
		V	θ	Φ	V	θ	Φ
SG	3	quier	e	Ø	sient	e	Ø
	2	quier	e	s	sient	e	s
	1	quier	Ø	o	sient	Ø	o
PL	3	quier	e	n	sient	e	n
	2	quer	e	is	sent	i	is
	1	quer	e	mos	sent	i	mos

Class III: e/i-alternation

Present Indicative, vowel height allomorphy

		III		
		V	θ	Φ
SG	3	pid	e	Ø
	2	pid	e	s
	1	pid	Ø	o
PL	3	pid	e	n
	2	ped	i	is
	1	ped	i	mos

Class III: e/i-alternation

(5) a.

SPI	F2	F3
Class II	e	
Class III	i	

b.

SPI	F2	F3
Class II		e
Class III	i	

Class III: e/i-alternation

(5) a.

SPI	F2	F3
Class II	e	
Class III		i

b.

SPI	F2	F3
Class II		e
Class III		i

(6) a.

SPI	F2	F3
tem	e	
part		i
part	e	
part		i

b.

SPI	F2	F3
tem		e
part		i
tem		i
part		e

Class III: e/i-alternation

(7)

SPI	F2	F3
tem	e	
ped		i
pid	e	

Class III: e/i-alternation

e/i alternation

Class III roots are bigger than Class II roots

Class III: e/i-alternation

e/i alternation

Class III roots are bigger than Class II roots

- ▶ the above shows that this is possible
- ▶ but why is it necessary in some cases, and not others?

Class III: e/i-alternation

ϕ-triggered allomorphy

		III		
		V	θ	Φ
SG	3	pid	e	∅
	2	pid	e	s
	1	pid	∅	o
PL	3	pid	e	n
	2	ped	i	is
	1	ped	i	mos

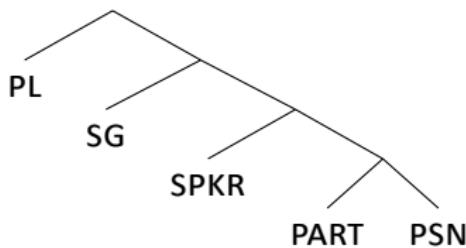
Class III: e/i-alternation

(8)

	SPI	F2	F3	m	A	ϕ1	ϕ2
a.	tem		e			-is/-mos	
b.	tem		e			-s/-n	
c.	part		i			-is/-mos	
d.	part		i			-s/-n	
e.	part		e			-s/-n	

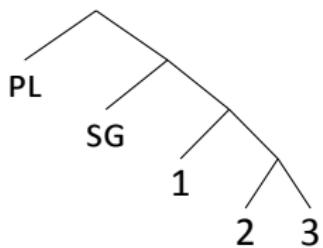
Decomposing ϕ

(9)



Decomposing ϕ

(9)



Class III: e/i-alternation

(10)

	SPI	F1	F2	F3	m	A	ϕ_3	SG
a.	cant				a			
b.	tem				e			
c.	part			i				
d.	part			e				

Class III: e/i-alternation

(11)

		SPI	F1	F2	F3	m	A	ϕ_3	ϕ
SG	3	pid				e			
	2	pid				e		s	
	1	pid				o			
PL	3	pid				e		n	
	2	ped				i		is	
	1	ped				i		mos	

Perfect Past

Perfective Past, 3 verb classes

		Class I	Class II	Class III _{reg}	Class III _{irr}
SG	3	cant-ó	tem-ió	part-ió	pid-ió
	2	cant-aste	tem-iste	part-iste	ped-iste
	1	cant-é	tem-í	part-í	ped-í
PL	3	cant-aron	tem-ieron	part-ieron	pid-ieron
	2	cant-asteis	tem-isteis	part-isteis	ped-isteis
	1	cant-amos	tem-imos	part-imos	ped-imos

Class I

(12)

	SPI	F1	F2	F3	m	PST	PFV	A	ϕ
SG	3	vol				ó			
	2	vol				aste			
	1	vol				é			
PL	3	vol				aron			
	2	vol				asteis			
	1	vol				amos			

Class II

(13)

		SPI	F1	F2	F3	m	PST	PFV	A	ϕ
SG	3	tem					ió			
	2	tem		e				íste		
	1	tem		e				í		
PL	3	tem				ieron				
	2	tem		e			ísteis			
	1	tem		e			ímos			

Class III_{reg}

(14)

		SPI	F1	F2	F3	m	PST	PFV	A	ϕ
SG	3	part					ió			
	2	part		i			íste			
	1	part		i			í			
PL	3	part					ieron			
	2	part		i			ísteis			
	1	part		i			ímos			

Class III_{irr}

(15)

		SPI	F1	F2	F3	m	PST	PFV	A	ϕ
SG	3	pid					íó			
	2	ped		i				íste		
	1	ped		i				í		
PL	3	pid				ieron				
	2	ped		i			ísteis			
	1	ped		i			ímos			

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