Appendix

Murrinhpatha finite verb inflection paradigms

This appendix illustrates the inflectional paradigms of all 39 finite verbs in Murrinhpatha (Table 1). Each paradigm is illustrated with the complete forms of inflectional exponence, together with a segmented analysis of the *intersecting formatives* that make up the exponence. A description of this phenomenon is provided in Mansfield, John (2016), Intersecting formatives and inflectional predictability, *Word Structure* 9(2): 183–214.

Inflected verb forms that share the same number and tense categories, and differ only in person category (e.g. 1sg.nfut, 2sg.nfut, 3sg.nfut) are usually differentiated only by their prefix consonant. Where this is the case, the first person formative segmentation is given in full, while for second and third persons only the prefix consonant is segmented.

Note that three verbs, /ma/ "do, say", /ba/ AFFECT, and /ma/ "use hands" each have two distinct inflectional paradigms. "Pseudo-verbs", i.e. those that lack a clear lexico-semantic meaning, are given arbitrary labels in small capitals such as /bu/ LOWER, reflecting weak patterns of meaning found among the compound verbs in which they occur.

The inflectional paradigms illustrated here were originally documented by Walsh (1976) and Street (1987). An improved presentation format is provided by Blythe et al. (2007). The inflectional analysis presented here draws on all these sources, but is not identical to any of them. Numbering of inflectional paradigms is not consecutive, nor is it meaningful; rather, it follows numbering established in Blythe et al (2007), with some divergences imposed by differences of analysis.¹

homophonous verbs, whereas previous works have analysed them as a single, polysemous verb.

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 $^{^1}$ Divergences of my paradigm numbers from the numbering in Blythe et al (2007) are as follows: VIII = 8, 13; X = 10, 11, 12, 15, 16. I analyse /ma/ "do, say" and /ma/ "use hands" as two



Base verb	Inflectional parad	igm	Reflexive/reciprocal verb
/ø/ "sit"	1		
/ø/ "lie"	II		
/ra/ "stand"	III		
/ni/ "be"	IV		
/n̪t̪a/ "perch"	V		
/ru/ "go"	VI		
/nu/ "use feet"	VII	XXXVIII	/ni/ "use feet RR"
/mu/ COERCE	XI		
/bu/ LOWER	XVII	XVIII	/buj/ LOWER.RR
/ø/ "use mouth"	XIX	VVI	/ø/ "use mouth RR"
/ø/ PIERCE		XXI	/ø/ PIERCE.RR
/ø/ "appear"	XX		
/n̪t̪i/ "carry"	XXII		
/ø/ ARC	XXIII	XXIV	/ø/ ARC.RR
/ŋa/ "put together"	XXV		
/la/ "wipe"	XXVI	XXXVII	/li/ "wipe RR"
/na/ "use fire"	XXVII		
/ra/ "watch"	XXVIII	XXXVI	/ri/ "watch RR"
/du/ IMPEL	XXIX	XXX	/di/ IMPEL.RR
/la/ "consume"	XXXI		
/ŋu/ "push"	XXXII	XXXIII	/ŋi/ "push ʀʀ"
/nta/ "crouch"	XXXV		
/ba/ AFFECT	XIV		/be/ AFFECT.RR
/Dd/ AFFECT	VIII		/DE/ AFFECT.KK
/ma/ "use hands"	VIII		/me/ "use hands RR"
/ilia/ use lialius	IX		/ille/ use flatius kk
/ma/ "do, say"			/me/ "do, say RR"
/ilia/ uo, say	XXXIV		
/mi/ "look"		Х	
/bi/ "hear"		٨	
TOTAL 27 VERBS	TOTAL 34 UNIQUE	PARADIGMS	TOTAL 12 VERBS

Table 1. Finite verbs. Shading indicates verbs that have more than one inflectional paradigm, and verbs that share an inflectional paradigm.

		/ø/ 'sit' Paradigm: I	STEM:	/ø/ DEFAULT /ri/ C:RHOTIC /ju/ C:J (SUPPLETIVE),	VH:BACK	
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋem		ŋi	ŋini	ŋini
		ŋ-e-[DEF]-m		ŋ-i-[DEF]-Ø	ŋ-i-[DEF]-ni	ŋ-i-[DEF]-ni
	2	ţim		ţi	ţini	<u>ţ</u> ini
		t̪-i-[def]-m		<u>t</u>	<u>t</u>	<u>t</u>
	3	dim / kem		ki/ pi	dini	dini
		d-i-[DEF]-m / k-e-[DEF]-m		k / p	d	d
INCL	1	ţim		pi	ţini	ţini
		t̪-i.[def].m		p-i.[def].ø	t-i-[def]-ni	<u>t</u> -i-[DEF]-ni
PL	1	ŋarim		ŋuju	ŋaɾini	ŋarini
		ŋ-a-[ʀнот]-m		ŋ-u-[J.BACK]-ø	ŋ-a-[ʀнот]-ni	ŋ-a-[кнот]-ni
	2	nirim		nuju	nirini	nirini
		n-i-[RHOT]-m		n	n-i-[RHOT]-ni	n-i-[RHOT]-ni
	3	pirim / karim		kuju / puju	pirini	pirini
		р-і-[кнот]-т / k-а-[кнот]-т		k / p	p-i-[RHOT]-ni	p-i-[кнот]-ni
			PC 1	ŋe	ŋarine	ŋarine
				ŋe.[DEF].ø	ŋ-а-[кнот]-пе	ŋ-а-[кнот]-пе
			2	ne	nirine	nirine
				n	n-i-[кнот]-ne	n-i-[RHOT]-ne
			3	ke / pe	pirine	pirine
				k / p	p-i-[кнот]-ne	p-i-[кнот]-ne

		/ø/ 'lie' Paradigm: II	STEM:	/Ø/ DEFAULT /ri/ C:RHOTIC /ju/ C:J (SUPPLETIVE), VH /bi/ C:B (SUPPLETIVE)	H:BACK	
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋabim		ŋu	ŋu	ŋuŋi
		ŋ-a-[ʁ]-m		ŋ-i-[DEF]-Ø	ŋ-u-[DEF]-ø	ŋ-u-[DEF]-ŋi
	2	ţibim		<u>t</u> u	<u>t</u> u	t̪uŋi
		ţ-i-[B]-m		<u>t</u>	<u>t</u>	<u>t</u>
	3	jibim / kabim		ku/ pu	ju	juŋi
		j-i-[B]-m / k-a-[B]-m		k / p	d	j
INCL	1	ţibim		pu	<u>t</u> u	<u>t</u> uŋi
		t-i.[def].m		p-i.[def].ø	ţ-u-[DEF]-Ø	t̪-u-[def]-ŋi
PL	1	ŋarim		ŋuju	ŋaɾini	ŋaɾini
		ŋ-a-[ʀнот]-m		ŋ-u-[J,BACK]-ø	ŋ-a-[кнот]-ni	ŋ-a-[кнот]-ni
	2	nirim		nuju	nirini	nirini
		n-i-[RHOT]-m		n	n-i-[RHOT]-ni	n-i-[RHOT]-ni
	3	pirim / karim		kuju / puju	pirini	pirini
		р-і-[кнот]-т / k-а-[кнот]-т		k / p	р-i-[кнот]-ni	p-i-[кнот]-ni
			PC 1	ŋe	ŋarine	ŋaɾine
				ŋe-[DEF]-Ø	ŋ-а-[кнот]-пе	ŋ-а-[кнот]-пе
			2	ne	nirine	nirine
				n	n-i-[RHOT]-ne	n-i-[RHOT]-ne
			3	ke / pe	pirine	pirine
				k / p	p-i-[кнот]-ne	p-i-[кнот]-ne

		/ra/ 'stand' Paradigm: III	STEM:	/ra/ DEFAULT /ri/ VH:HIGH, VF:FRONT /{a/ C:GEMINATE /{i/ C:GEMINATE, VH:HIGH, VF:FRONT /bi/ C:B (SUPPLETIVE), VH:HIGH, VF:FRONT /Ø/ C:WEAK		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋarim ŋ-a-[HIGH,FRONT]-m		ŋira ŋ-i-[DEF]-ø	ŋiri ŋ-i-[нідн,ғколт]-ø	ŋiraŋi ŋ-i-[DEF]-ŋi
	2	tirim t-i-[HIGH,FRONT]-m	-		tiri t	tiraŋi t
	3	pirim / karim p-i-[HIGH,FRONT]-m / k		kira / pira k / p	piri p	piraŋi p
INCL	1	tirim t-i-[HIGH,FRONT]-m		pira p-i-[DEF]-Ø	piri p-i-[HIGH,FRONT]-Ø	tirani t-i-[DEF]-ni
PL	1	ŋibim ŋ-i-[в,ніgн,ғконт]-m		ŋi ҳa ŋ-i-[geм]-ø²	ŋi ŋ-i-[weak]-ø	ŋiҳaŋi ŋ-i-[GEM]-ŋi
	2	nibim n		niųa n	ni n	niųaŋi n
	3	pibim / kibim p / k		kiąa / piąa k / p	рі р	piųaŋi p
			PC 1	ŋiҳa ŋ-i-[gɛм]-ø	ŋe ŋ-e-[weak]-ø	ŋiҳaŋi ŋ-i-[GEM]-ŋi
			2	niųa n	ne n	niųani n
			3	kiųa / piųa k / p	pe p	piųaŋi p

 $^{^2}$ /r \rightarrow 1/ is analysed as a gemination pattern by Green (2003, p. 143). This may have more of a historic than a synchronic motivation, according to which we could posit the /1/ stems in this verb as synchronically suppletive.

		/ni/ 'be'	STEM:	/ni/ DEFAULT		
		Paradigm: IV		/na/ vh:Low, vf:BA		
		i di ddigiii i v		/ηi/ C:RN (SUPPLETI	ve)	
				/ηe/ c:RN (SUPPLET	IVE), VH:LOW	
				/ηa/ c:RN (SUPPLET	IVE), VH:LOW, VF:BACK	
				/di/ C:RD (SUPPLETI	vE)	
				/de/ C:RD (SUPPLET	IVE), VH:LOW	
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋanam		ŋani	ŋadi	ŋani
		ŋ-a-[LOW,BACK]-m		ŋ-a-[DEF]-ø	ŋ-a-[RD]-ø	ŋ-a-[DEF]-ø
	2	tanam		ţani	ţadi	ţani
		<u>t</u>		ţ	<u>t</u>	<u>t</u>
	3	kanam / kanam		kani / pani	padi	kani
		k / k		k / p	p	k
INCL	1	tanam		pani	padi	tani
		t- a-[LOW,BACK]-m		p-a-[DEF]-ø	p-a-[RD]-ø	<u>t</u> -a-[DEF]-ø
PL	1	ŋaṇam³		ŋaղi	ŋadi	ŋaղi
		ŋ-a-[RN,LOW,BACK]-m		ŋ-a-[RN]-ø	ŋ-a-[RD]-ø	ŋ-a-[ʀN]-ø
	2	nanam		naղi	nadi	nani
		n		n	n	n
	3	panam / kanam		kani / pani	padi	kani
		p / k		k / p	p	k
			PC 1	ηaηe	ŋade	gaηe
				ŋ-a-[ʀN,LOW]-ø	ŋ-a-[RD,LOW]-ø	n-a-[RN,LOW]-ø
			2	nane	nade	nane
				n	n	n
			3	kane / pane	pade	kane
				k- / n-	n-	k-

 $^{^3}$ The retroflex / η / in PL stems, as opposed to apical /n/ in SG stems, is not produced by all speakers. Younger speakers especially tend to realise the pl stem instead with a geminate consonant.

		/nta/ 'perch' Paradigm: V	STEM:	/nta/ DEFAULT /nti/ VH:HIGH, VF:	FRONT	
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋantim		ŋinta	ŋin̯tan̯i	ŋin̯taŋi
		ŋ-a-[FRONT,HIGH]-m		ŋ-i-[DEF]-ø	ŋ-i-[DEF]-ni	ŋ-i-[DEF]-ŋi
	2	ţintim		tinta	tintani	tintani
		t-i-[front,HIGH]-m		<u>t</u>	<u>t</u>	<u>t</u>
	3	pintim / kantim		kinta / pinta	pintani	pintani
		p-i / k-a		k / p	p	p
INCL	1	ţintim		pinta	ţintani	ţintaŋi
		t-i-[front,HIGH]-m		p-i-[DEF]-ø	ţ-i-[DEF]-ni	t-i-[DEF]-ŋi
PL	1	ŋantim		ŋin̯ta	ŋin̯tan̯i	ŋin̯taŋi
		ŋ-a-[front,HiGH]-m		ŋ-i-[DEF]-ø	ŋ-i-[DEF]-ni	ŋ-i-[DEF]-ŋi
	2	nintim		ni <u>nt</u> a	ni <u>nt</u> ani	ni <u>nt</u> aŋi
		n-i-[front,HIGH]-m		n	n	n
	3	pintim / kantim		kinta / pinta	pintani	pintani
		p-i / k-a		k / p	p	p
			PC 1	ŋin̯ta	ŋin̯tane	ŋin̯taŋe
				ŋ-i-[DEF]-ø	ŋ-i-[def]-ne	ŋ-i-[DEF]-ŋe
			2	ni <u>nt</u> a	ni <u>nt</u> ane	ni <u>nt</u> aŋe
				n	n	n
			3	ki <u>nt</u> a / pi <u>nt</u> a	pi <u>nt</u> ane	pi <u>nt</u> aŋe
				k / p	p	p

		/ru/ 'go' STEM: Paradigm: VI	/ru/ DEFAULT /{u/ GEMINATE /Ø/ WEAK /ji/ J (SUPPLETIVE), FRONT /mpa/ MP (SUPPLETIVE), LOW	/ra/ LOW /ri/ FRONT /je/ J (SUPPL), FRONT, LOW		
		NFUT (/PRSL)	IRR (/FUT)	PST	PSTIRR	
SG	1	ŋuran	ŋuru	ŋurini	ŋuɾi	
		ŋ-u-[Low]-n	ŋ-u-[DEF]-ø	ŋ-u-[FRONT]-ni	ŋ-u-[FRONT]-ø	
	2	turan	turu	turini	ţuri	
		<u>t</u>	<u>t</u>	<u>t</u>	<u>t</u>	
	3	wuran / kuran	kuru / puru	wurini	wuri	
		w / k	k / p	W	W	
INCL	1	turan	puru	turini	<u>t</u> uri	
		t̯-u-[LOW]-n	p-u-[def]-ø	t̪-u-[front]-ni	tu-[FRONT]-Ø	
PL	1	ŋumpan	ŋu u	ŋuղi	ŋuji	
		ŋ-u-[MP,LOW]-n	ŋ-u-[GEM]-ø	ŋ-u-[weak,front]-ηi	ŋ-u-[J,FRONT]-ø	
	2	numpan	nuղu	nuղi	nuji	
		n	n	n	n	
	3	pumpan / kumpan	kuղu / puղu	puղi	puji	
		p / k	k / p	p	p	
		PC 1	ŋa	ŋuηe	ŋuje	
			ŋ-a-[weak]-ø	ŋ-u-[weak,front]-ηe	ŋ-u-[J,FRNT,LOW]-Ø	
		2	na	nuղe	nuje	
			n	n	n	
		3	ka / pa	pune	puje	
			k / p	p	p	

		/nu/ 'use feet' Paradigm: VII	STEM:	/nu/ DEFAULT /ni/ VF:FRONT	/nnu/ /nni/	C:GEMINATE C:GEM, VF:FRONT
				/nuj/ vf: OFFGLIDE /na/ vh: LOW	/nna/ /nne/	C:GEM, VH: LOW C:GEM, VH: LOW, VF:FRONT
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋunuŋam ŋ-u-[DEF]-ŋam		ŋunu ŋ-u-[DEF]-ø	ŋuna ŋ-u-[LOW]-ø	ŋuni ŋ-u-[fRONT]-ø
	2	<u>t</u> unuŋam		<u>t</u> unu	<u>t</u> una	tuni
		ţ		<u>t</u>	ţ	<u>t</u>
	3	nuŋam / kunuŋam		kunu / punu	na ⁴	nuj
		ø / k		k / p	Ø	Ø-u-[OFFGLIDE]-Ø
INCL	1	t̪unuŋam		punu	tuna	tৣuni
		t្-u-[def]-ŋam		p-u-[DEF]-ø	<u>t</u> -u-[LOW]-ø	<u>t</u> -u-[FRONT]-ø
PL	1	ŋunnuŋam		ŋunnu	ŋunni	ŋunni
		ŋ-u-[gɛм]-ŋam		ŋ-u-[GEM]-ø	ŋ-u-[GEM,FRONT]-ø	ŋ-u-[GEM,FRONT]-ø
	2	nunnuŋam		nunnu	nunni	nunni
		n		n	n	n
	3	punnuŋam / kunnuŋam		kunnu / punnu	punni	punni
		p / k		k / p	p	p
			PC 1	ŋunna	ŋunna	ŋunne
				ŋ-u-[GEM,LOW]-ø	ŋ-u-[GEM,LOW]-ø	n-u-[gem,front,low]-ø
			2	nunna	nunna	nunne
				n	n	n
			3	kunna / punna	punna	punne
				k / p	D	p

		/ni/ 'use feet RR' Paradigm: XXXVIII	STEM:	/ni/ DEFAULT /na/ VF:BACK, V	/nni/ c:c /H: LOW /nna/ c:c	GEMINATE GEM, VF:BACK, VH: LOW
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋinim		ŋini	ŋinaŋa	ŋinaŋa
		ŋ-i-[DEF]-m		ŋ-i-[DEF]-Ø	ŋ-i-[BACK,LOW]-ŋa	ŋ-i-[BACK,LOW]-ŋa
	2	ţinim		ţini	tina	ţina
		<u>t</u>		<u>t</u>	t-i-[васк,Low]-ŋа	<u>t</u> -i-[васк,Low]-ŋа
	3	niŋam / kiniŋam		kini / pini	niŋa	niŋa
		ø-i-[DEF]-ŋam / k		k / p	ø-i-[def]-ŋa	ø-i-[def]-ŋa
INCL	1	tiniŋam		pini	tinaŋa	tinaŋa
		t̪-u-[def]-ŋam		p-i-[DEF]-ø	t-i-[васк,Low]-ŋа	t-i-[BACK,LOW]-ŋa
PL	1	ŋinnaŋam		ŋinni	ŋinnaŋa	ŋinnaŋa
		ŋ-u-[GEM,BACK,LOW]-ŋam		ŋ-i-[GEM]-ø	ŋ-i-[gem,BACK,LOW]-ŋa	ŋ-i-[gem,васк,Low]-ŋa
	2	ninnaŋam		ninni	ninnaŋa	ninnaŋa
		n		n	n	n
	3	pinnaŋam / kinnaŋam		kinni / pinni	pinna	pinna
		p / k		k / p	p	p
			PC 1	ŋinni	ŋinnaŋa	ŋinnaŋa
				ŋ-u-[GEM]-ø	ŋ-i-[gem,васк,Low]-ŋa	ŋ-i-[gem,back,low]-ŋa
			2	ninni	ninnaŋa	ninnaŋa
				n	n	n
			3	kinni / pinni	pinnaŋa	pinnaŋa
				k / p	p	p

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 $^{^4}$ Street (1987) in addition lists a variant /nu. μ a/ use.feet.3sG.PsT. This variant does not appear in my corpus data.

		/ma/ 'say, do' /ma/ 'use hands' Paradigm: VIII	STEM:	/ma/ DEFAULT /na/ C:APICAL /me/ VF:FRONT /ne/ C:APICAL, VF:FRONT		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	mam Ø-u-[DEF]-m ⁵		ma Ø-u-[DEF]-Ø	me Ø-u-[front]-Ø	me Ø-u-[FRONT]-Ø
	2	nam		na	ne	ne
		Ø-u-[APIC]-m		Ø-u-[APIC]-Ø	Ø-u-[APIC,FRONT]-Ø	Ø-u-[APIC,FRONT]-Ø
	3	mam / kumam		ma / ma	me	me
		Ø-u-[DEF]-m / k		Ø-u-[def]-Ø	Ø-u-[front]-Ø	Ø-u-[front]-Ø
INCL	1	tumam		puma	tume	tume
		t̪-u-[def]-m		p-u-[def]-Ø	<u>t</u> -u-[front]-Ø	t-u-[front]-Ø
PL	1	ŋumam		ŋuma	ŋume	ŋume
		ŋ-u-[DEF]-m		ŋ-u-[DEF]-Ø	ŋ-u-[front]-Ø	ŋ-u-[front]-Ø
	2	numam		numa	nume	nume
		n		n	n	n
	3	pumam / kumam		kuma / puma	pume	pume
		p / k		k / p	p	p
			PC 1	ŋuma	ŋume	ŋume
				ŋ-u-[DEF] Ø	ŋ-u-[FRONT]-Ø	ŋ-u-[front]-Ø
			2	numa	nume	nume
				n	n	n
			3	kuma / puma	pume	pume
				k/ p	p	p

⁵ Where forms have a phonologically empty PrefC, I analyse them as having an "underlying" PrefV following whatever theme vowel pattern is established in the rest of the paradigm. In these instances the PrefV cannot be realised on the surface due to the constraint against onsetless syllables (Mansfield, in prep.).

/ma/ 'use hands'	STEM:	/ma/	DEFAULT
Paradigm: IX			C:APICAL VF:FRONT
			C:APICAL, VF:FRONT

		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	maŋan		ma	me	me
		Ø-u-[def]-ŋan		Ø-u-[DEF]-Ø	Ø-u-[front]- Ø	Ø-u-[FRONT]- Ø
	2	naŋan		na	ne	ne
		Ø-u-[APIC]-ŋan		Ø-u-[APIC]-Ø	Ø-u-[APIC,FRONT]-Ø	Ø-u-[APIC,FRONT]-Ø
	3	maŋan / kumaŋan		ma / ma	me	me
		Ø-u-[DEF]-ŋan / k		Ø-u-[DEF]-Ø	Ø-u-[front]- Ø	Ø-u-[FRONT]- Ø
INCL	1	t̪umaŋan		puma	tume	tume
		t̪-u-[def]-ŋan		p-u-[DEF]-Ø	t-u-[FRONT]-Ø	t-u-[front]-Ø
PL	1	ŋumaŋan		ŋuma	ŋume	ŋume
		ŋ-u-[ɒɛғ]-ŋan		ŋ-u-[DEF]-Ø	ŋ-u-[front]-Ø	ŋ-u-[front]-Ø
	2	numaŋan		numa	nume	nume
		n		n	n	n
	3	pumaŋan / kumaŋan		kuma / puma	pume	pume
		p / k		k / p	p	p
			PC 1	ŋuma	ŋume	ŋume
				ŋ-u-[DEF] Ø	ŋ-u-[front]-Ø	ŋ-u-[front]-Ø
			2	numa	nume	nume
				n	n	n
			3	kuma / puma	pume	pume
				k/ p	p	p

		/ma/ 'say, do' Paradigm: XXXIV	STEM:	/ma/ DEFAULT /me/ VF:FRONT /mi/ VF:FRONT, VH:	/na/ /ne/ нібн /ni/	C:APICAL C:APICAL, VF:FRONT C:APICAL, VF:FRONT, VH:HIGH
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋamam		ŋama	me	mi
		ŋ-a-[DEF]-m		ŋ-a-[DEF]-Ø	Ø-u-[front]-Ø	Ø-u-[FRONT,HIGH]-Ø
	2	nam		tama	ne	ni
		Ø-a-[APIC]-m		ţ	Ø-u-[APIC,FRONT]-Ø	Ø-u-[APIC,FRONT,HIGH]-Ø
	3	mam / kamam		kama / pama	me	mi
		Ø-a-[DEF]-m / k		k / p	Ø-u-[front]- Ø	Ø-u-[FRONT,HIGH]- Ø
INCL	1	tamam		pama	tume	ţumi
		<u>t</u> -a-[DEF]-m		p-a-[DEF]-Ø	tu-[front]-∅	t-u-[FRONT,HIGH]-Ø
PL	1	ŋamam		ŋujema	ŋume	ŋumi
		ŋ-a-[DEF]-m		ŋ-uje-[DEF]-Ø	ŋ-u-[FRONT]-Ø	ŋ-u-[FRONT,HIGH]-Ø
	2	namam		nujema	nume	numi
		n		n	n	n
	3	pamam / kamam		kujema / pujema	pume	pumi
		p / k		k / p	p	p
			PC 1	ŋujema	ŋume	ŋumi
				ŋ-uje-[DEF]-Ø	ŋ-u-[FRONT]-Ø	ŋ-u-[FRONT,HIGH]-Ø
			2	nujema	nume	numi
				n	n	n
			3	kujema / pujema	pume	pumi
				k / p	p	p

/me/ 'say, do RR' /me/ 'use hands RR'
Paradigm: X STEM: /me/ DEFAULT /ne/ C:APICAL

	NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1 mem		me	mena	mena
	Ø-u-[DEF]-m		Ø-u-[DEF]-Ø	Ø-u-[DEF]- Ø	Ø-u-[def]- Ø
	2 nem		ne	nena	nena
	Ø-u-[APIC]-m		Ø-u-[APIC]-Ø	Ø-u-[APIC]-Ø	Ø-u-[APIC]-Ø
	3 mem / kumem		me / me	mena	mena
	Ø-u-[DEF]-m / k		Ø-u-[DEF]-Ø	Ø-u-[DEF]- Ø	Ø-u-[def]- Ø
INCL	1 tumem		pume	tumena	tumena
	ţ-u-[DEF]-m		p-u-[DEF]-Ø	<u>t</u> -u-[DEF]-∅	t-u-[DEF]-Ø
PL	1 ŋumem		ŋume	ŋumena	ŋumena
	ŋ-u-[DEF]-m		ŋ-u-[DEF]-Ø	ŋ-u-[def]-Ø	ŋ-u-[DEF]-Ø
	2 numem		nume	numena	numena
	n		n	n	n
	3 pumem / kumem		kume / pume	pumena	pumena
	p / k		k / p	p	p
		PC 1	ŋume	ŋumena	ŋumena
			ŋ-u-[DEF] Ø	ŋ-u-[DEF]-Ø	ŋ-u-[DEF]-Ø
		2	nume	numena	numena
			n	n	n
		3	kume / pume	pumena	pumena
			k/ p	p	p

/ba/ AFFECT Paradigm: VIII STEM: /ba/ DEFAULT

/da/ C:APICAL /be/ VF:FRONT /de/ C:APICAL, VF:FRONT

		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	bam		ba	be	be
		Ø-u-[DEF]-m		Ø-u-[DEF]-Ø	Ø-u-[front]- Ø	Ø-u-[FRONT]- Ø
	2	dam		da	de	de
		Ø-u-[APIC]-m		Ø-u-[APIC]-Ø	Ø-u-[APIC,FRONT]-Ø	Ø-u-[APIC,FRONT]-Ø
	3	bam / bam		ba / ba	be	be
		Ø-u-[DEF]-m		Ø-u-[DEF]-Ø	Ø-u-[front]- Ø	Ø-u-[front]- Ø
INCL	1	tubam		puba	<u>t</u> ube	tube
		t-u-[DEF]-m		p-u-[DEF]-Ø	t-u-[FRONT]-Ø	t-u-[front]-Ø
PL	1	ŋubam		ŋuba	ŋube	ŋube
		ŋ-u-[DEF]-m		ŋ-u-[DEF]-Ø	ŋ-u-[FRONT] Ø	ŋ-u-[FRONT] Ø
	2	nubam		nuba	nube	nube
		n		n	n	n
	3	pubam / kubam		kuba / puba	pube	pube
		p / k		k / p	p	p
			PC 1	ŋuba	ŋube	ŋube
				ŋ-u-[def] Ø	ŋ-u-[front] Ø	ŋ-u-[FRONT] Ø
			2	nuba	nube	nube
				n	n	n
			3	kuba / puba	pube	pube
				k/ p	p	p

		/ba/ AFFECT	STEM:	/ba/ DEFAULT		
		Paradigm: XIV		/da/ c:APICAL /be/ vf:FRONT		
				/de/ c:APICAL, VF:FRONT		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	banam		ba	be	be
		Ø-u-[DEF]-ŋam		Ø-u-[DEF]-Ø	Ø-u-[front]-Ø	Ø-u-[front]Ø
	2	daŋam		da	de	de
		Ø-u-[APIC]-ŋam		Ø-u-[APIC]-Ø	Ø-u-[APIC,FRONT]-Ø	Ø-u-[APIC,FRONT]-Ø
	3	baŋam / baŋam		ba / ba	be	be
		Ø-u-[DEF]-ŋam		Ø-u-[DEF]-Ø	Ø-u-[front]-Ø	Ø-u-[front]- Ø
INCL	1	tubaŋam		puba	tube	tube
		t̪-u-[def]-ŋam		p-u-[DEF]-Ø	<u>t</u> -u-[FRONT]-Ø	t-u-[front]-Ø
PL	1	ŋubaŋam		ŋuba	ŋube	ŋube
		ŋ-u-[def]-ŋam		ŋ-u-[DEF]-Ø	ŋ-u-[front]-Ø	ŋ-u-[FRONT]-Ø
	2	nubaŋam		nuba	nube	nube
		n		n	n	n
	3	pubaŋam / kubaŋam		kuba / puba	pube	pube
		p / k		k / p	p	p
			PC 1	ŋuba	ŋube	ŋube
				ŋ-u-[DEF]-Ø	ŋ-u-[FRONT]-Ø	ŋ-u-[FRONT]-Ø
			2	nuba	nube	nube
				n	n	n
			3	kuba / puba	pube	pube
				and the second s		

k-.../ p-...

p-...

р-...

	/be/ AFFEG Paradigm: >		/be/ DEFAULT /de/ C:APICAL		
	NFUT (/PRSL)	IRR (/FUT)	PST	PSTIRR
SG	1 bem		be	bena	bena
	Ø-u-[DEF]-m		Ø-u-[DEF]-Ø	Ø-u-[DEF]- Ø	Ø-u-[DEF]- Ø
	2 dem		de	dena	dena
	Ø-u-[APIC]-m	1	Ø-u-[APIC]-Ø	Ø-u-[APIC]-Ø	Ø-u-[APIC]-Ø
	3 bem / kube	m	be / be	bena	bena
	Ø-u-[DEF]-m	/ k	Ø-u-[DEF]-Ø	Ø-u-[DEF]- Ø	Ø-u-[DEF]- Ø
INCL	1 tubem		pube	ţubena	tubena
	t-u-[DEF]-m		p-u-[DEF]-Ø	t-u-[DEF]-∅	t-u-[DEF]-Ø
PL	1 ŋubem		ŋube	ŋubena	ŋubena
	ŋ-u-[DEF]-m		ŋ-u-[DEF]-Ø	ŋ-u-[def]-Ø	ŋ-u-[DEF]-Ø
	2 nubem		nube	nubena	nubena
	n		n	n	n
	3 pubem / ku	bem	kube / pube	pubena	pubena
	p / k		k / p	p	p
		PC 1	ŋube	ŋubena	ŋubena
			ŋ-u-[DEF] Ø	ŋ-u-[def]-Ø	ŋ-u-[DEF]-Ø
		2	nube	nubena	nubena
			n	n	n
		3	kube / pube	pubena	pubena
			k/ p	p	p

		/mu/ COERCE Paradigm: XI	STEM:	/mu/ DEFAULT /nu/ C:APICAL		
		r dradigiii. Xi		/ø/ C: WEAK		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	muŋam Ø-u-[def]-ŋam		mu Ø-u-[DEF]-Ø	muni Ø-u-[def]-ni	muj Ø-u-[DEF]-j
	2	nuŋam Ø-u-[APIC]-ŋam		nu Ø-u-[AΡΙC]-Ø	muni Ø-u-[APIC]-ni	muj Ø-u-[APIC]-j
	3	muŋam / muŋam Ø-u-[DEF]-ŋam		mu / mu Ø-u-[DEF]-Ø	muni Ø-u-[DEF]-ni	muj Ø-u-[DEF]-j
INCL	1	tumuŋam t-u-[DEF]-ŋam		pumu p-u-[DEF]-Ø	tuni t-u-[weak]-ni	tumuj t-u-[DEF]-j
PL	1	ŋumuŋam ŋ-u-[DEF]-ŋam		ŋumu ŋ-u-[DEF]-Ø	ŋumuni ŋ-u-[ɒɛɛ]-ni	ŋumuj ŋ-u-[DEF]-j
	2	numuŋam n		numu n	numuni n	numuj n
	3	pumuŋam / kumuŋam p / k		kumu / pumu k / p	pumuni p	pumuj p
			PC 1	ŋumu ŋ-u-[DEF]-Ø	ŋumune ŋ-u-[ɒɛɛ]-ne	ŋumuj ŋ-u-[DEF]-j
			2	numu	numune	numuj
			3	n kumu / pumu	n pumune	n pumuj
				k / p	p	p

		/mi/ 'look'	STEM:	/mi/ DEFAULT		
		Paradigm: X		/ni/ C:APICAL		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	mim		mi	mina	mina
		Ø-u-[DEF]-m		Ø-u-[DEF]-Ø	Ø-u-[DEF]-na	Ø-u-[def]-na
	2	nim		ni	nina	nina
		Ø-u-[APIC]-m		Ø-u-[APIC]-Ø	Ø-u-[APIC]-na	Ø-u-[APIC]-na
	3	mim / mim		mi / mi	mina	mina
		Ø-u-[DEF]-m		Ø-u-[DEF]-Ø	Ø-u-[def]-na	Ø-u-[DEF]-na
INCL	1	tumim		pumi	tumina	tumina
		t-u-[DEF]-m		p-u-[DEF]-Ø	t-u-[def]-na	t-u-[DEF]-na
PL	1	ŋumim		ŋumi	ŋumina	ŋumina
		ŋ-u-[DEF]-m		ŋ-u-[DEF]-Ø	ŋ-u-[DEF]-na	ŋ-u-[DEF]-na
	2	numim		numi	numina	numina
		n		n	n	n
	3	pumim / kumuŋam		kumi / pumi	pumina	pumina
		p / k		k / p	p	p
			PC 1	ŋumi	ŋumina	ŋumina
				ŋ-u-[DEF]-Ø	ŋ-u-[DEF]-na	ŋ-u-[DEF]-na
			2	numi	numina	numina
				n	n	n
			3	kumi / pumi	pumina	pumina
				k / p	p	p

	/bi/ 'hear' Paradigm: X	STEM:	/bi/ DEFAULT /di/ C:APICAL		
	NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1 bim		bi	bina	bina
	Ø-u-[def]-m		Ø-u-[def]-Ø	Ø-u-[DEF]- Ø	Ø-u-[DEF]- Ø
	2 dim		di	dina	dina
	Ø-u-[APIC]-m		Ø-u-[APIC]-Ø	Ø-u-[APIC]-Ø	Ø-u-[APIC]-Ø
	3 bim / kubim		bi / bi	bina	bina
	Ø-u-[DEF]-m / k		Ø-u-[def]-Ø	Ø-u-[DEF]- Ø	Ø-u-[DEF]- Ø
INCL	1 tubim		pubi	ţubina	tubina
	t-u-[DEF]-m		p-u-[DEF]-Ø	t-u-[DEF]-∅	t-u-[DEF]-Ø
PL	1 ŋubim		ŋubi	ŋubina	ŋubina
	ŋ-u-[DEF]-m		ŋ-u-[DEF]-Ø	ŋ-u-[def]-Ø	ŋ-u-[def]-Ø
	2 nubim		nubi	nubina	nubina
	n		n	n	n
	3 pubim / kubim		kubi / pubi	pubina	pubina
	p / k		k / p	p	p
		PC 1	ŋubi	ŋubina	ŋubina
			ŋ-u-[DEF] Ø	ŋ-u-[def]-Ø	ŋ-u-[def]-Ø
		2	nubi	nubina	nubina
			n	n	n
		3	kubi / pubi	pubina	pubina
			k/ p	p	p

		/bu/ LOWER Paradigm: XVII	STEM:	/bu/ DEFAULT /du/ C:APICAL	/ba/ vh:LC /da/ c:APK	OW CAL, VH:LOW
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ban		bu	buni	buj
		ø-[LOW]-n		Ø-[DEF]-Ø	ø-[def]-ni	Ø-[DEF]-j
	2	dan		du	duni	duj
		Ø-[LOW,APIC]-N		Ø-[APIC]- Ø	Ø-[APIC]-ni	Ø-[APIC]-j
	3	ban / kuban		bu / bu	buni	buj
		ø-[Low]-n / k-u-[Low]-n		Ø-[DEF]-Ø	ø-[def]-ni	Ø-[DEF]-j
INCL	1	tuban		pubu	tubuni	tubuj
		t-u-[LOW]-n		p-u-[DEF]-ø	t-u-[DEF]-ni	t̪-u-[DEF]-j
PL	1	ŋuban		ŋubu	ŋubuni	ŋubuj
		ŋ-u-[LOW]-n		ŋ-u-[DEF]-ø	ŋ-u-[DEF]-ni	ŋ-u-[DEF]-j
	2	nuban		nubu	nubuni	nubuj
		n		n	n	n
	3	puban / kuban		kubu / pubu	pubuni	pubuj
		p / k		k / p	p	p
			PC 1	ŋubu	ŋubune	ŋubuj
				ŋ-u-[DEF]-ø	ŋ-u-[DEF]-ne	ŋ-u-[DEF]-j
			2	nubu	nubune	nubuj
				n	n	n
			3	kubu / pubu	pubune	pubuj
				k / p	p	p

		/buj/ LOWER.RR Paradigm: XVIII	STEM:	/buj/ DEFAULT /duj/ C:APICAL	/ba/ vh:Lo /da/ c:API	OW C, VH:LOW
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	bam		buj	bana	bana
		ø-[LOW]-m		Ø-[DEF]-Ø	ø-[Low]-na	ø-[Low]-na
	2	dam		duj	dana	dana
		Ø-[LOW,APIC]-M		Ø-[APIC]- Ø	ø-[APIC,LOW]-na	ø-[APIC,LOW]-na
	3	bam / kubam		buj / buj	bana	bana
		ø-[LOW]-m / k-u-[LOW]-m		Ø-[DEF]-Ø	ø-[LOW]-na	ø-[Low]-na
INCL	1	tubam		pubuj	tubana	tubana
		t-u-[LOW]-m		p-u-[DEF]-ø	<u>t</u> -u-[Low]-na	<u>t</u> -u-[Low]-na
PL	1	ŋubam		ŋubuj	ŋubana	ŋubana
		ŋ-u-[LOW]-m		ŋ-u-[DEF]-ø	ŋ-u-[Low]-na	ŋ-u-[Low]-na
	2	nubam		nubuj	nubana	nubana
		n		n	n	n
	3	pubam / kubam		kubuj / pubuj	pubana	pubana
		p / k		k / p	p	p
			PC 1	ŋubuj	ŋubana	ŋubana
				ŋ-u-[DEF]-ø	ŋ-u-[Low]-na	ŋ-u-[Low]-na
			2	nubuj	nubana	nubana
				n	n	n
			3	kubuj / pubuj	pubana	pubana
				k / p	p	p

		/ø/ PIERCE Paradigm: XXI	STEM:	/ø/ DEFAULT /ra/ C:RHOTIC		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋam		ŋa	ŋani	ŋe
		ŋ-a-[DEF]-m		ŋ-a-[DEF]-ø	ŋ-a-[DEF]-ni	ŋ-e-[DEF]-ø
	2	tam		<u>t</u> a	<u>t</u> ani	<u>t</u> e
		<u>t</u>		<u>t</u>	<u>t</u>	<u>t</u>
	3	dam / kam		ka / pa	dani	de
		d / k		k / p	d	d
INCL	1	tam		ра	ţani	ţe
		t̪-a-[def]-m		p-a-[DEF]-ø	t̯-a-[def]-ni	t-e-[DEF]-ø
PL	1	ŋaram		ŋa	ŋarani	ŋега
		ŋa-[кнот]-m		ŋ-a-[DEF]-ø	ŋ-a-[ʀнот]-ni	ŋ-e-[RHOT]-ø
	2	naram		na	narani	nera
		n		n	n	n
	3	param / karam		ka / pa	pani	pera
		p / k		k / p	p	p
			PC 1	ŋa	ŋarane	ŋега
				ŋ-a-[DEF]-ø	ŋ-а-[кнот]-пе	ŋ-e-[RHOT]-ø
			2	na	narane	nera
				n	n	n
			3	ka / pa	parane	pera
				k / p	p	p

		/la/ 'wipe' Paradigm: XXVI	STEM:	/la/ DEFAULT /lla/ C:GEMINATE		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋilam		ŋila	ŋila	ŋilaŋi
		ŋ-i-[DEF]-m		ŋ-i-[DEF]-Ø	ŋ-i-[def]-Ø	ŋ-i-[DEF]-ŋi
	2	ţilam		ţila	ţila	ţilaŋi
		<u>t</u>		<u>t</u>	<u>t</u>	t̪-i-[def]-ŋi
	3	dilam / kilam		kila / pila	dila	dilaŋi
		d / k		k / p	d	d-i-[DEF]-ŋi
INCL	1	ţilam		pila	ţila	ţilaŋi
		ţ-i-[DEF]-m		p-i-[def]-Ø	t-i-[def]-Ø	t-i-[DEF]-ŋi
PL	1	ŋillaŋam		ŋilla	ŋilla	ŋillaŋi
		ŋ-i-[gɛм]-ŋam		ŋ-i-[gem]-Ø	ŋ-i-[gem]-Ø	ŋ-i-[GEM]-ŋi
	2	nillaŋam		nilla	nilla	nillaŋi
		n		n	n	n
	3	pillaŋam / killaŋam		killa / pilla	pilla	pillaŋi
		p / k		k / p	p	p
			PC 1	ŋilla	ŋilla	ŋillaŋi
				ŋ-i-[gem]-Ø	ŋ-i-[gem]-Ø	ŋ-i-[GEM]-ŋi
			2	nilla	nilla	nillaŋi
				n	n	n
			3	killa / pilla	pilla	pillaŋi
				k / p	p	p

		/li/ 'wipe RR' Paradigm: XXXVII	STEM:	/li/ default /lli/ c:geminate		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋilim		ŋili	ŋili	ŋiliŋi
		ŋ-i-[DEF]-m		ŋ-i-[def]-Ø	ŋ-i-[DEF]-Ø	ŋ-i-[DEF]-ŋi
	2	ţilim		ţili	ţili	ţiliŋi
		<u>t</u>		<u>t</u>	<u>t</u>	t̪-i-[def]-ŋi
	3	dilim / kilim		kili / pili	dili	diliŋi
		d / k		k / p	d	d-i-[DEF]-ŋi
INCL	1	ţilim		pili	ţili	ţiliŋi
		t_i-[DEF]-m		p-i-[def]-Ø	t-i-[def]-Ø	t̪-i-[DEF]-ŋi
PL	1	ŋillim		ŋilli	ŋilli	ŋilliŋi
		ŋ-i-[gɛм]- m		ŋ-i-[gem]-Ø	ŋ-i-[gɛm]-Ø	ŋ-i-[GEM]-ŋi
	2	nillim		nilli	nilli	nilliŋi
		n		n	n	n
	3	pillim / killim		killi / pilli	pilli	pilliŋi
		p / k		k / p	p	p
			PC 1	ŋilli	ŋilli	ŋilliŋi
				ŋ-i-[gem]-Ø	ŋ-i-[gɛm]-Ø	ŋ-i-[GEM]-ŋi
			2	nilli	nilli	nilliŋi
				n	n	n
			3	killi / pilli	pilli	pilliŋi
				k / p	p	p

		/na/ 'use fire' Paradigm: XXVII	STEM:	/na/ DEFAULT /nna/ C:GEMINATE /Ø/ C:WEAK		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋinaŋam		ŋina	ŋinaŋa	ŋinaŋi
		ŋ-i-[def]-ŋam		ŋ-i-[DEF]-Ø	ŋ-i-[DEF]-ŋa	ŋ-i-[DEF]-ŋi
	2	tinaŋam		tina	tinaŋa	tinaŋi
		<u>t</u>		<u>t</u>	t-i-[DEF]-ŋa	t-i-[DEF]-ŋi
	3	ninaŋam / kinaŋam		kina / pina	niŋa	niŋa
		n / k		k / p	n-i-[weak]-ŋa	n-i-[weak]-ŋa
INCL	1	tinaŋam		pina	tinaŋa	ţinaŋi
		t-i-[def]-ŋam		p-i-[DEF]-Ø	t-i-[DEF]-ŋa	t-i-[DEF]-ŋi
PL	1	ŋinnaŋam		ŋinna	ŋinnaŋa	ŋinnaŋi
		ŋ-i-[gɛм]-ŋam		ŋ-i-[gем]-Ø	ŋ-i-[gɛм]-ŋa	ŋ-i-[GEM]-ŋi
	2	ninnaŋam		ninna	ninnaŋa	ninnaŋi
		n		n	n	n
	3	pinnaŋam / kinnaŋam		kinna / pinna	pinnaŋa	pinnaŋi
		p / k		k / p	p	p
			PC 1	ŋinna	ŋinnaŋa	ŋinnaŋi
				ŋ-i-[gем]-Ø	ŋ-i-[gɛм]-ŋa	ŋ-i-[GEM]-ŋi
			2	ninna	ninnaŋa	ninnaŋi
				n	n	n
			3	kinna / pinna	pinnaŋa	pinnaŋi
				k / p	p	p

		/ra/ 'watch' Paradigm: XXVIII	STEM:	/ra/ DEFAULT /4a/ C:GEMINATE /Ø/ C:WEAK		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	niranan n-i-[DEF]-nan		nira n-i-[def]-Ø	ŋira ŋ-i-[DEF]-Ø	nirani n-i-[DEF]-ni
	2	tiraŋan t		tira t	<u>t</u> ira <u>t</u>	tiraŋi t
	3	diraŋan / kiraŋan d / k		kira / pira k / p	dira d	diraŋi d
INCL	1	tiraŋan t-i-[DEF]-ŋan		pira p-i-[DEF]-Ø	tira t-i-[DEF]-∅	<u>t</u> iraŋi t̪-i-[DEF]-ŋi
PL	1	nanan ŋ-a-[weak]-ŋan		niųa n-i-[gem]-Ø	ŋiɣa ŋ-i-[GEM]-Ø	niվani n-i-[GEM]-ni
	2	naŋam n		niųa n	niųa n	ni _t aŋi n
	3	paŋam / kaŋam p / k		kiųa / piųa k / p	рі а р	piųaŋi p
			PC 1	ŋiҳa ŋ-i-[gɛм]-Ø	niųa ŋ-i-[GEM]-Ø	nitane n-i-[GEM]-ne
			2	niųa n	niųa n	niųaŋe n
			3	kiąa / piąa k / p	рі да р	piąaŋe p

		/ra/ 'watch RR' Paradigm: XXXVI	STEM:	/ri/ DEFAULT /qi/ C:GEMINATE /Ø/ C:WEAK		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	nirim n-i-[DEF]-m		ŋiri ŋ-i-[DEF]-Ø	ŋ iɾi ŋ-i-[DEF]-Ø	ŋirini ŋ-i-[DEF]-ni
	2	ţirim		ţiri	ţiri	ţirini
	3	t̯ dirim / kirim		t kiri / piri	t diri	t dirini
		d / k		k / p	d	d
INCL	1	tirim t-i-[DEF]-m		piri p-i-[def]-Ø	ţiri ţ-i-[DEF]-Ø	tirini t-i-[DEF]-ni
PL	1	ŋim		ŋiҳi	ŋi	ŋiҳi
		ŋ-i-[weak]-m		ŋ-i-[gем]-Ø	ŋ-i-[weak]-Ø	ŋ-i-[gem]-Ø
	2	nim		niųi	ni	niųi
		n		n	n	n
	3	pim / kim		kiųi / piųi	pi	piĮi
		p / k		k / p	p	p
			PC 1	ŋiţi	ŋi	ŋiҳi
			_	ŋ-i-[geм]-Ø	ŋ-i-[weak]-Ø	ŋ-i-[GEM]-Ø
			2	niųi	ni	niųi
			_	n	n	n
			3	kiųi / piųi	pi	piţi
				k / p	р	p

		/du/ IMPEL	STEM:	/du/ DEFAULT	, ,	C:GEM
		Paradigm: XXIX		/da/ vh:Low		C:GEM , VH:LOW
		_		/di/ vf:FRONT		C:GEM , VF:FRONT
				/de/ vh:Low, vf:F	ront /dde/	C:GEM, VH:LOW, VF:FRONT
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋuḍan		ŋudu	ŋuḍini	ŋuḍi
		ŋ-u-[LOW]-n		ŋ-u-[DEF]-Ø	ŋ-u-[FRONT]-ni	ŋ-u-[front]-Ø
	2	tudan		tudu	tudini	ţudi
		<u>t</u>		<u>t</u>	<u>t</u>	<u>t</u>
	3	wudan / kudan		kudu / pudu	wudini	wudi
		w / k		k / p	W	W
INCL	1	tudan		pudu	tudini	ţudi
		t-u-[LOW]-n		p-u-[DEF]-Ø	t្u-[front]-ni	t-u-[front]-Ø
PL	1	ŋuddan		ŋuddu	ŋuddini	ŋuḍḍi
		ŋ-u-[GEM,LOW]-n		ŋ-u-[GEM]-Ø	ŋ-u-[GEM,FRONT]-	ni ŋ-u-[GEM,FRONT]-Ø
	2	nuddan		nuddu	nuddini	nuddi
		n		n	n	n
	3	puddan / kuddan		kuddu / puddu	puddini	puddi
		p / k		k / p	p	p
			PC 1	ŋudda	ŋuddene	ŋuḍḍe
				ŋ-u-[GEM,LOW]-Ø	ŋ-u-[GEM,FRONT,L	ow]-ne ŋ-u-[gem,front,low]-₡
			2	nudda	nuddene	nudde
				n	n	n
			3	kudda / pudda	puddene	pudde
				k / p	p	p

		/di/IMPEL.RR Paradigm: XXX	STEM:	/di/ DEFAULT /da/ VH:LOW, VF:BA	/ddi/ C:GEM CK /dde/ C:GEM, VH:LO /dda/ C:GEM, VH:LO	
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋuḍam		ŋudi	ŋuḍana	ŋuḍana
		n-u-[LOW,BACK]-m		ŋ-u-[DEF]-Ø	ŋ-u-[LOW,BACK]-na	ŋ-u-[LOW,BACK]-na
	2	tudam		tudi	tudana	tudana
		<u>t</u>		<u>t</u>	<u>t</u>	<u>t</u>
	3	wudam / kudam		kudi / pudi	wuqana	wudana
		w / k		k / p	W	W
INCL	1	tudam		pudi	tudana	<u>t</u> udana
		t̪-u-[LOW]-n		p-u-[DEF]-Ø	t̪-u-[LOW,BACK]-na	t̪-u-[LOW,BACK]-na
PL	1	ŋuddam		ŋuddi	ŋuddana	ŋuddana
		n-u-[GEM,LOW,BACK]-n		ŋ-u-[gem]-Ø	ŋ-u-[GEM,LOW,BACK]-na	ŋ-u-[GEM,LOW,BACK]-na
	2	nuddam		nuddi	nuddana	nuddana
		n		n	n	n
	3	puddam / kuddam		kuddi / puddi	puddana	puddana
		p / k		k / p	p	p
			PC 1	ŋudde	ŋuddana	ŋuddana
				n-u-[gem,low]-Ø	ŋ-u-[GEM,LOW,BACK]-na	ŋ-u-[GEM,LOW,BACK]-na
			2	nudde	nuddana	nuddana
				n	n	n
			3	kudde / pudde	puddana	puddana
				k / p	p	p

		/la/ 'eat' Paradigm: XXXI	STEM:	/la/ DEFAULT /le/ VF:FRONT	/lla/ /lle/	C:GEMINATE C:GEMINATE, VF:FRONT
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋulam		ŋula	ŋule	ŋule
		ŋ-u-[DEF]-m		ŋ-u-[DEF]-Ø	ŋ-u-[front]-Ø	ŋ-u-[FRONT]-Ø
	2	tulam		tula	<u>t</u> ule	tule
		<u>t</u>		<u>t</u>	<u>t</u>	<u>t</u>
	3	wulam / kulam		kula / pula	wule	wule
		w / k		k / p	W	W
INCL	1	tulam		pula	ţule	ţule
		tu-[DEF]-m		p-u-[DEF]-Ø	ţ-u-[front]-∅	t-u-[FRONT]-Ø
PL	1	ŋullam		ŋulla	ŋulle	ŋulle
		ŋ-u-[gем]-m		ŋ-u-[gем]-Ø	ŋ-u-[gem,front]-Ø	ŋ-u-[gem,front]-Ø
	2	nullam		nulla	nulle	nulle
		n		n	n	n
	3	pullam / kullam		kulla / pulla	pulle	pulle
		p / k		k / p	p	p
			PC 1	ŋulla	ŋulle	ŋulle
				ŋ-u-[gем]-Ø	ŋ-u-[gem,front]-Ø	ŋ-u-[GEM,FRONT]-Ø
			2	nulla	nulle	nulle
				n	n	n
			3	kulla / pulla	pulle	pulle
				k / p	p	p

		/ŋu/ 'pull' Paradigm: XXXII	STEM:	/ŋu/ DEFAULT /ŋa/ VH:LOW /ŋi/ VF:FRONT		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋuŋan		ղսղս	ŋuŋuni	ŋuŋuni
		ŋ-u-[LOW]-n		ŋ-u-[DEF]-Ø	ŋ-u-[DEF]-ni	ŋ-u-[DEF]-ni
	2	tৣuŋan		t̪uŋu	t̪uŋuni	<u>t</u> uŋuni
		<u>t</u>		<u>t</u>	ţ	<u>t</u>
	3	juŋan / kuŋan		kuŋu / puŋu	juŋuni	juŋuni
		j / k		k / p	j	j
INCL	1	tৣuŋan		puŋu	t̪uŋi	t̪uŋi
		t̪-u-[LOW]-n		p-u-[def]-Ø	tu-[FRONT]-∅	tu-[FRONT]-∅
PL	1	ŋuŋan		ŋuŋu	ŋuŋuni	ŋuŋuni
		ŋ-u-[LOW]-n		ŋ-u-[DEF]-Ø	ŋ-u-[DEF]-ni	ŋ-u-[DEF]-ni
	2	nuŋan		nuŋu	nuŋuni	nuŋuni
		n		n	n	n
	3	puŋan / kuŋan		kuŋu / puŋu	puŋuni	puŋuni
		p / k		k / p	p	p
			PC 1	ŋuŋu	ŋuŋune	ŋuŋune
				n-u-[def]-Ø	ŋ-u-[DEF]-ne	ŋ-u-[DEF]-ne
			2	nuŋu	nuŋune	nuŋune
				n	n	n
			3	kuŋu / puŋu	puŋune	puŋune
				k / p	p	p

		/ŋi/ 'pull RR' Paradigm: XXXIII	STEM:	/ŋi/ DEFAULT /ŋe/ VH:LOW /ŋa/ VH:LOW, VF	:FRONT	
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋuŋam		ŋuŋi	ŋuŋana	ŋuŋana
		n-u-[LOW,FRONT]-m		ŋ-u-[DEF]-Ø	ŋ-u-[LOW,FRONT]-na	ŋ-u-[LOW,FRONT]-na
	2	t̪uŋam		t̪uŋi	<u>t</u> uŋana	t̪uŋana
		<u>t</u>		<u>t</u>	<u>t</u>	<u>t</u>
	3	juŋam / kuŋam		kuŋi / puŋi	juŋana	juŋana
		j / k		k / p	j	j
INCL	1	<u>t</u> uŋam		puŋi	tuŋana	t̪uŋana
		<u>t</u> -u-[LOW]-m		p-u-[DEF]-Ø	<u>t</u> -u-[LOW,FRONT]-na	<u>t</u> -u-[LOW,FRONT]-na
PL	1	ŋuŋam		ŋuŋi	ŋuŋana	ŋuŋana
		ŋ-u-[LOW]-m		ŋ-u-[DEF]-Ø	ŋ-u-[LOW,FRONT]-na	ŋ-u-[LOW,FRONT]-na
	2	nuŋam		nuŋi	nuŋana	nuŋana
		n		n	n	n
	3	puŋam / kuŋam		kuŋi / puŋi	puŋana	puŋana
		p / k		k / p	p	p
			PC 1	ŋuŋe	ŋuŋana	ŋuŋana
				ŋ-u-[LOW]-Ø	ŋ-u-[LOW,FRONT]-na	ŋ-u-[LOW,FRONT]-na
			2	nuŋe	nuŋana	nuŋana
				n	n	n
			3	kuŋe / puŋe	puŋana	puŋana
				k / p	p	p

		/nta/ 'crouch' Paradigm: XXXV	STEM:	/nta/ DEFAULT		
		NFUT (/PRSL)		IRR (/FUT)	PST	PSTIRR
SG	1	ŋantaŋan		ŋanta	ŋanta	ŋantaŋi
		ŋ-a-[def]-ŋan		ŋ-a-[DEF]-ø	ŋ-a-[DEF]-ø	ŋ-a-[DEF]-ŋi
	2	tantanan		tanta	tanta	tantani
		<u>t</u>		<u>t</u>	<u>t</u>	<u>t</u>
	3	kantanan / kantanan		kanta / panta	kanta	kantani
		k / k		k / p	k	k
INCL	1	tantanan		panta	ţanta	ţantaŋi
		t̪-i-[def]-ŋan		p-a-[DEF]-ø	t-a-[DEF]-ø	t̪-a-[def]-ŋi
PL	1	ŋantaŋan		ŋanta	ŋanta	ŋantaŋi
		ŋ-a-[DEF]-ŋan		ŋ-a-[DEF]-ø	ŋ-a-[DEF]-ø	ŋ-a-[DEF]-ŋi
	2	nantanan		na <u>nt</u> a	na <u>nt</u> a	na <u>nt</u> aŋi
		n		n	n	n
	3	pantanan / kantanan		kanta / panta	panta	pantani
		p-a / k-a		k / p	p	p
			PC 1	ŋanta	ŋan̞ta	ŋantaŋi
				ŋ-a-[DEF]-ø	ŋ-a-[DEF]-ø	ŋ-a-[DEF]-ŋi
			2	na <u>nt</u> a	na <u>nt</u> a	na <u>nt</u> aŋi
				n	n	n
			3	kanta / panta	panta	pantani
				k / p	p	p