

Ďraħýl Rásevek Ďraħyn-Nýrlí Rase  
Ďraħýl Rase, the language of Ďraħyn-Nýr

ᑭᓐᓂᓐᓂᓐᓂᓐᓂᓐᓂᓐ  
Nahywtsek-sydasy  
*A complete grammar*

September 18, 2017

2

Branch: canon

Version: 0.9

Date: 2017-09-08

(C)opyright 2017 Uruwi. See README.md for details.

# | Contents

---

0.1	Introduction . . . . .	6
0.1.1	Synopsis . . . . .	6
0.1.2	External history . . . . .	6
1	Phonology and orthography . . . . .	9
1.1	Consonants and vowels . . . . .	9
1.1.1	Diphthongs . . . . .	9
1.2	Phonotactics . . . . .	10
1.3	Allophony . . . . .	10
1.4	Pitch accent . . . . .	11
1.5	Vowel raising . . . . .	11
1.6	Notes about appending . . . . .	12
1.7	The Ďrahýl Rase script . . . . .	13
1.8	Punctuation . . . . .	14
2	Syntax . . . . .	15
2.1	Basic word order . . . . .	15
2.2	Determiners . . . . .	15
2.3	Adverbials . . . . .	15
2.4	Locatives and directionals . . . . .	16
2.5	Appositives . . . . .	16
2.6	Interjections and vocatives . . . . .	16
3	Nouns . . . . .	17
3.1	Number . . . . .	17
3.2	Case . . . . .	17
3.2.1	Absolutive . . . . .	17
3.2.2	Ergative . . . . .	18
3.2.3	Accusative . . . . .	18
3.2.4	Genitive . . . . .	18
3.2.5	Adverbial . . . . .	19
3.2.6	Locative . . . . .	19
3.2.7	Directional . . . . .	19

3.2.8	Causal . . . . .	19
3.2.9	Benefactive . . . . .	19
3.2.10	Comitative . . . . .	20
3.2.11	Instrumental . . . . .	20
3.3	Zero-marked genitive . . . . .	20
3.4	Coaspects . . . . .	21
3.5	Prefixes . . . . .	21
3.6	Appositive . . . . .	21
3.7	Relational nouns . . . . .	22
3.8	Polarity . . . . .	22
3.9	Pronouns . . . . .	22
4	Verbs . . . . .	25
4.1	Verb structure . . . . .	25
4.2	The infinitive form of a verb . . . . .	26
4.3	Absolutive argument marking in finite forms . . . . .	26
4.4	Ergative argument marking . . . . .	26
4.5	Aspect . . . . .	26
4.6	Tense . . . . .	30
4.7	Causative . . . . .	30
4.8	Evidentiality . . . . .	31
4.9	Comparative . . . . .	31
4.10	Direction . . . . .	31
4.11	Relation . . . . .	32
4.12	Pitch accent . . . . .	32
4.13	Notes about formality . . . . .	32
4.14	Polarity . . . . .	33
4.15	N-verbs . . . . .	33
4.16	Ditransitive verbs . . . . .	33
4.17	General comparatives and superlatives . . . . .	34
4.18	Dependent clauses . . . . .	35
4.18.1	Relative clauses . . . . .	35
4.18.2	Content clauses . . . . .	36
4.18.3	Quotatives . . . . .	36
5	Numbers . . . . .	39
5.1	Cardinal numbers . . . . .	39
5.2	Ordinal numbers . . . . .	40
5.3	Fractions . . . . .	41
5.4	Distributive numbers . . . . .	42
5.5	Collective numbers . . . . .	42
5.6	Multipliers . . . . .	42

CONTENTS	5
6 Conjunctions	43
6.1 Juxtaposition . . . . .	43
6.2 <ka> and <gy> . . . . .	43
6.3 The sequential conjunction <ruk> . . . . .	44
7 Adverbs	45
8 Derivational rules	47
8.1 Verb-to-verb rules . . . . .	47
8.1.1 Reversive . . . . .	47
8.1.2 Repetitive . . . . .	47
8.2 Verb-to-noun rules . . . . .	47
8.2.1 Agent noun . . . . .	48
8.2.2 Action noun . . . . .	48
8.2.3 Location noun . . . . .	49
8.2.4 Temporal noun . . . . .	49
8.2.5 Pattern noun . . . . .	49
8.2.6 Instrument noun . . . . .	49
8.2.7 Derivative noun . . . . .	50
8.2.8 Tendency noun . . . . .	50
8.2.9 Craft noun . . . . .	50
8.3 Noun-to-noun rules . . . . .	50
8.4 Noun-to-verb rules . . . . .	51
8.4.1 Becoming . . . . .	52
8.4.2 Measure . . . . .	52
9 Semantics	53
9.1 Predicative possession . . . . .	53
9.2 “To be” . . . . .	54
9.2.1 Identity . . . . .	54
9.2.2 Membership . . . . .	54
9.2.3 Location . . . . .	55
9.2.4 Property . . . . .	55
9.2.5 Definition . . . . .	55
9.2.6 Existence . . . . .	55
9.3 “Good” and “bad” . . . . .	56
10 Miscellanea	57
10.1 Units of measure . . . . .	57
10.1.1 Time . . . . .	57
10.1.2 Length . . . . .	59
10.1.3 Mass . . . . .	59
11 Example Texts	61
11.1 Varwe (translations of foreign works) . . . . .	61
11.1.1 Helakotanesa . . . . .	61

## 0.1 | Introduction

### 0.1.1 | Synopsis

Ďrahýl Rase is a highly agglutinative language featuring some fusional elements, with an ergative-secundative alignment. In particular, *coaspects* and *aspects* can be stacked on nouns and verbs, respectively. The language employs dependent-marking dominantly, although some head-marking is present.

Ďrahýl Rase lacks adjectives and adpositions, and has only a few adverbs; in addition, some concepts common in English, such as *to be* or *good* are absent in the language. It also uses relational nouns extensively.

This combination of features allows sentences in Ďrahýl Rase to be concise (unlike in English) while still being understandable (unlike in Ithkuil).

### 0.1.2 | External history

As a constructed language, Ďrahýl Rase is developed synchronically. It was first conceived in the December of 2016, although it wasn't until February 2017 that verbs were added.

Until 23 April 2017, Ďrahýl Rase left the ergative case unmarked and the absolutive case marked. Since marked-absolutive languages are nouns that start with <h><sup>1</sup>, the alignment was changed to a prototypical ergative-absolutive system.

Starting in 19 June 2017, the  $\text{\LaTeX}$  version of the Ďrahýl Rase grammar was developed. This update added considerable changes to the language:

- /h/ was written as <ĥ> before the standardisation. This was changed to <h>.
- Well-defined rules for when to use zero-marked genitives were added.
- Formerly, only the human non-elite first and second pronouns were present. The standardisation added the other pronouns that we enjoy today.
- Aspects gained formal names, and some aspects, such as the evident or analogous aspects, were also added.
- The pre-standardisation grammar had sensory affixes for verbs. These were removed because they proved to be redundant.
- Comparatives and superlatives received well-defined rules, and the subject of comparison is no longer forced to be the absolutive argument of a sentence without an ergative argument.
- N-verbs were defined, breaking the complete regularity of the morphosyntactic alignment.

<sup>1</sup><https://isoraqathedh.tumblr.com/image/156426855271>

- Quotatives received more precise rules.
- There is a new chapter on semantics.
- Due to uncanny font magic, the script of Ďraǵýl Rase is also covered.





# 1 | Phonology and orthography

## 1.1 | Consonants and vowels

Ďrahyĺ Rase uses the following phonemes:

Table 1.1: The consonants of Ďrahyĺ Rase.

	Bilabial / Labiodental	Alveolar	Retroflex	Velar	Pharyngeal	Glottal
Nasal	m	n		ŋ /ŋ/		
Plosive	p b	t d	ʈ /ʈ/ d /d/	k g		
Fricative	f v	s z		ħ /x/ ġ /ɣ/	ħ	h
Lateral Fricative		ʂ /ʂ/ ʐ /ʐ/				
Approximant		r /ɹ/				
Lateral Approximant		l				

Table 1.2: The vowels of Ďrahyĺ Rase.

Short	Long	Semivowel
a	â /ä:/	
e	ê /ɛ:/	
i	î /i:/	j
o /ʌ ~ ɤ/	ô /o:/	
u /u ~ i/	û /u:/	w
y /i/	ÿ /y:/	ÿ /y/

Voiceless plosives can also be geminated after a short vowel.

### 1.1.1 | Diphthongs

A diphthong consists of a vowel and a semivowel, in either order, excluding \*⟨ij⟩, \*⟨ji⟩, \*⟨uw⟩, \*⟨wu⟩, \*⟨yÿ⟩ and \*⟨ÿy⟩, which decay into their respective long vowels. The “dominant” vowel is pronounced as its long form; e. g. ⟨ej⟩ is pronounced [ej].

## 1.2 | Phonotactics

A syllable is allowed to consist of:

- an onset, from one of:
  - a single consonant
  - a plosive or fricative plus <r>, <l> or (depending on voicing) <š> or <ž>
  - a nasal plus <r>
  - at the beginning of a word, an empty onset is allowed.
- a rime, from one of:
  - a short vowel plus a voiceless obstruent or a continuant
  - a long vowel plus a voiceless obstruent that does not geminate the onset of the following syllable
  - a long vowel plus any voiced obstruent
  - a long vowel plus a continuant
  - a diphthong (with no coda)

## 1.3 | Allophony

The following allophonic rules are listed:

Table 1.3: The allophonic rules of *Ďraǵýl Rase*. See table 1.4 for the legend.

Input	Output	Context
Ob1<+v>	Ob1<-v>	Ob2<-v> ♦
Ob1<-v>	Ob1<-v +a>	Ob2<-v> ♦
Ob1<-v>	Ob1<+v>	Ob2<+v> ♦
V1<+l> Ob1<-v> Ob1<+v>	V1<-l> Ob1<-v +gem>	
V1<+l> C1<+nas>	V1<+l +nas>	
Ob1<+v>	∅	V1<+l> ♦
/t̪.l/	[t̪:]	
/t̪.s/	[t̪:]	
/s.t̪/	[t̪:]	
/t/	[t]	
/d/	[n]	

Note that /n/ does *not* assimilate to [ŋ] before a velar consonant.

Table 1.4: Legend for table 1.3.

Symbol	Meaning
C	consonant
V	vowel
Ob	obstruent
v	voicing
l	long
nas	nasal consonant or vowel
gem	gemination
+	feature present
-	feature absent
∅	nothing
◆	location of input relative to other elements in context

## 1.4 | Pitch accent

A word has one high syllable (and the rest are low). The natural location of the high syllable is determined by the following rules:

- If there is a long vowel or a diphthong in the last three syllables, then the pitch accent falls on one of them, in the order 2nd-to-last → 3rd-to-last → last.
- Otherwise, the pitch accent falls on the second-to-last syllable.

Pitch accent will be indicated in this grammar. If it falls on its natural location, then it is not marked. Otherwise, long syllables that are forced unstressed will be written with macra, and short syllables that are forced stressed will be written with acutes.

If there is no other way to use diacritics to indicate that a diphthong is unstressed (i. e. the stressed syllable is a long vowel), then a dot can be placed above the dominant vowel of the diphthong to force it to be unstressed, giving the letters <à é ĭ ó ù ŷ>.

Hyphens may separate parts of words. In that case, only the last part will be counted.

See table 1.5 for examples.

Some affixes might cause a stress to shift. Such affixes are marked with one of the symbols on Table 1.6.

## 1.5 | Vowel raising

Vowel raising is an important part of Ďraħýl Rase's grammar.

Vowels are split into two groups: *front* and *back*.

- Front vowels are <a>, <e> and <i>.
- Back vowels are <o>, <u> and <y> (which, funnily enough, is actually front!).

Table 1.5: Examples of stress locations.

Orthography	Location of stress (# from last)
resa	2
nâki	2
zanál	1
nâkil	1
panā	2
munuma	2
tôrenu	3
kejhátu	2
nekēkemew	1
panâ-kay	1
renekjûkâl	1

Table 1.6: Symbols used to show pitch accent shifting.

Symbol	Meaning
≥	Shift pitch accent one syllable forward
▷	Shift pitch accent to second-to-last syllable
►	Shift pitch accent to last syllable
±	Keep pitch accent on same syllable

These vowels redirect as such:

Table 1.7: Vowel raising rules.

Old	New
a	e
e	i
i	i
o	u
u	y
y	y

Long vowels are raised similarly. In diphthongs, only the dominant vowel is raised. This might cause the diphthong to decay to a long vowel.

## 1.6 | Notes about appending

Sometimes, appending two strings together will result in edge cases. Suppose we want to append X and Y (e. g. because either one of them is an affix or X-Y will be a zero-marked genitive construction).

- If Y has no initial consonant, then X-Y will result in a non-initial syllable without any onset. To resolve this, Y is given an onset of ⟨h⟩: ⟨vil⟩ + ⟨atu⟩ = ⟨vil-hatu⟩.
- If X ends with a consonant and Y begins with the same consonant, then X-Y will have two of the same consonant in a row.
  - If this consonant is a voiceless plosive, then this sequence is treated as a geminate: ⟨atek⟩ + ⟨▷-kane⟩ = ⟨atekkane⟩.
  - If this consonant is ⟨s⟩, then the double consonant is changed to ⟨st⟩: ⟨itos⟩ + ⟨saj⟩ = ⟨itostaj⟩.
  - Otherwise, the sequence becomes a single consonant: ⟨bakar⟩ + ⟨≥-rul⟩ = ⟨bakarul⟩.
  - Note that ⟨t⟩ and ⟨t̥⟩ are considered distinct, as are ⟨d⟩ and ⟨n⟩: ⟨lakan⟩ + ⟨≥-do⟩ = ⟨lakando⟩ [la'kan:ʌ], not \*⟨lakano⟩ or \*⟨lakado⟩.

## 1.7 | The Draňýl Rase script

Draňýl Rase is written with a native script that uses dedicated glyphs for consonants and long vowels, plus diacritics for short vowels. It does not mark pitch accent.

Table 1.8: Consonants in the script.

p ε	t ɿ	k ɹ	s ɸ	f ɛ	n ɛ	m ɜ
h c	h ɜ	h o	r 6	ʃ ɛ	l ɔ	v ɿ
g ɹ	n̄ ɔ	d ɹ	b ɹ	z̄ ɜ	z y	ḡ ɜ
d̄ ɹ	t̄ ɔ					

Table 1.9: Long vowels in the script.

â ɜ	ê ɜ	î ɜ	ô ɜ	û ɜ	ÿ ɜ
-----	-----	-----	-----	-----	-----

The short vowels ⟨a e i⟩ are expressed with their own diacritics. ⟨o u y⟩ use the same main diacritics as ⟨a e i⟩, respectively, but add a *kisyltew* (backing mark). ⟨ɛ 6 ɹ ɜ ɹ̄ ɹ̄ ɹ̄ ɹ̄⟩ receive the main diacritic below the consonant glyph (and the *kisyltew* above). Other consonants and all long vowels receive the main diacritic above (and the *kisyltew* below).

Table 1.10: Short vowels in the script.

Ø	a	e	i	o	u	y
t ɿ	ta ɿ	te ɿ	ti ɿ	to ɿ	tu ɿ	ty ɿ
g ɹ	ga ɹ	ge ɹ	gi ɹ	go ɹ	gu ɹ	gy ɹ

⟨ɛ ɛ̄⟩ have special forms of the *kisyltew*: ⟨ɛ̄, = po⟩; ⟨ɛ̄, = fo⟩.

Diphthongs with the semivowel occurring first are written with the vowel diacritic corresponding to the semivowel placed on the consonant before the diphthong, followed by the glyph for the long vowel corresponding to the dominant vowel; e. g. <ḵḗ = kja>.

Diphthongs with the semivowel occurring second are written with the glyph for the long vowel corresponding to the dominant vowel, modified by the vowel diacritic corresponding to the semivowel; e. g. <ḵḗ = kaj>.

Table 1.11: Miscellaneous symbols.

0 ‡	1 †	2 ↓	3 ↑	4 †	5 ↓
6 ‡	7 †	8 ↓	9 ↓	10 †	11 †
full stop ¶		comma ,		question mark ?	
quotation marks “ ”				kêl (NEG) 𐎧𐎫𐎼𐎿	
interpunct ·					
(sometimes used to mark an “and”)					

As seen in the example below, names receive an overline. (The colours are solely for emphasis.)

Table 1.12: An example with names.

Malnelkajkáne hâle-mulama dano- mulama luneksi <u>Alis</u> ruselmara. Sel ka mon šunama danos lumekâl sydasay panetaki sydasaymá rihu ka türî kêl etera. ”Rihu ka türî kêl etekâl sydasaymá kêl lumetšalu?” tes vanretara.	šibēḵḗḵḗ cḵ5ḵ5ḵ5 ḵḗḵ5ḵ5 5ḵḵḵ ḵḗḵḵ ḵḗḵḵḵḵḵ ḵḗ ḵḗ ḵḗ ḵḗ ḵḗ ḵḗ 5ḵḵḵ ḵḗḵḵḵḵ ḵḗḵḵḵ ḵḗḵḵḵḵ ḵḗ ḵḗ ḵḗḵḵ ḵḗ ḵḗḵḵ ḵḗ ḵḗ ḵḗḵḵ ḵḗ ḵḗḵḵḵ ḵḗḵḵḵḵ ḵḗ 5ḵḵḵḵḵ ḵḵ ḵḗḵḵḵḵḵ
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 1.8 | Punctuation

Commas (both in the Latin script and the native script) are used to separate independent clauses (as with the semicolon in English). Slashes (interpuncts in the native script) are sometimes used to separate two nouns that are juxtaposed. Periods and question marks are used for obvious purposes.

## 2 | Syntax

---

In this chapter, we look at the structure of the whole sentence.

### 2.1 | Basic word order

Đraħýl Rase requires the verb to come at the end of a sentence; hence, they are called <hrînu> (knots; sg. <hrênu>).

There is a subtle difference in which argument of the verb comes first. Both of the following sentences have the same meaning, but differ in which argument they emphasise:

Tôkus hânu ponelke.

cat-ERG dog bite-3ANM-PROG

*The cat is biting the dog.* (focuses on the cat, who is doing the biting)

Hânu tôkus ponelke.

dog cat-ERG bite-3ANM-PROG

*The dog is being bitten by the cat.* (focuses on the dog, to whom the biting is done)

In addition to syntactic emphasis, arguments of a verb may receive morphological emphasis, which is even stronger.

### 2.2 | Determiners

Determiners consist of genitives, numbers and relative clauses. They come *before* the noun they modify.

### 2.3 | Adverbials

Adverbs and adverbials of nouns can occur anywhere before the verb they modify.

## 2.4 | Locatives and directionals

Locatives and directionals that modify nouns occur before the nouns they modify. Those that modify verbs can occur anywhere before the verb they modify. However, they most often occur immediately before the verb and, if present, its negation particle.

## 2.5 | Appositives

The noun being clarified comes first, followed by the clarification.

## 2.6 | Interjections and vocatives

Interjections and vocatives occur at the very beginning of a sentence.



## 3 | Nouns

Nouns (<hivu>; sg. <hevu>; lit. *ropes*) are declined for case and number.

### 3.1 | Number

The main distinction lies between singular and plural. The singular form is unmarked. The plural form of a noun is created from the singular form by raising the high vowel.

In the absolutive case, a distinction is also made between dual and plural. The dual form of a noun is created by appending <-t> to the singular (decaying a final diphthong into a long vowel if necessary). If the singular form already ends with a consonant, <≥-te> is appended instead.

Table 3.1: Some nouns and their dual and plural forms.

Singular	Dual	Plural	Gloss
rase	raset	rese	language
plety	pletyt	plity	parent
itos	itoste	itos	riding animal
kolo	kolot	kulo	ground, place, floor
nupo	nupot	nypo	boat
tynda	tyndat	tynda	squirrel
tôrenu	tôrenut	tûrenu	palace
sydasaj	sydasât	sydasej	book
ej	êt	î	I (non-elite)

### 3.2 | Case

There are eleven cases in Ďrahýl Rase:

#### 3.2.1 | Absolutive

The absolutive form of a noun is the unmarked form of a noun. Nouns with this case can function as the subject of an intransitive verb, the direct object of a transitive

verb or the recipient of a ditransitive verb.

### 3.2.2 | Ergative

Nouns in the ergative form can function as the subject of a transitive or ditransitive verb. The ergative form is derived from the absolutive form by:

- appending <-s> after a short vowel
- appending <-z> after a long vowel
- appending <-z> after a diphthong and decaying it to a long vowel
- appending <-ti> after <-s>
- appending <-di> after <-z>
- appending <-si> after any other voiceless consonant
- appending <-zi> after any other voiced consonant

### 3.2.3 | Accusative

Nouns in the accusative form can function as the direct object of an antipassive transitive verb, or as direct objects in certain verbs. The accusative form is derived from the absolutive form by:

- appending <-n> after a vowel
- appending <-n> after a diphthong and decaying it to a long vowel
- appending <-en> after a consonant

### 3.2.4 | Genitive

Nouns in the genitive case can modify other nouns to indicate possession or description. It is formed from the absolutive by:

- replacing the rime of the final syllable with <►-êl> if it is any of <-ew>, <-ej>, <-ey> or <-ê>
- but the genitive of <ej> (I, non-elite) is <ejlí>
- otherwise:
  - appending <≥-l> after a vowel if the pitch accent is not on the final syllable
  - appending <≥-li> after a consonant, or if the pitch accent is on the final syllable

Sometimes, a genitive might syntactically modify a verb with a causative. In that case, it semantically modifies the dislocated patient of the causative:

Atúl fetatosorakamadutro!  
 person-GEN sing-1-2SG-story-CAUS-IMP  
 Make me sing the person's story!

### 3.2.5 | Adverbial

Nouns in the adverbial case can modify verbs to act as adverbs. It is formed like the genitive, but using <r> instead of <l>. In other words, it is formed by:

- replacing the rime of the final syllable with <►-êr> if it is any of <-ew>, <-ej>, <-eý> or <-ê>
- but the adverbial of <ej> (I, non-elite) is <ejrí>
- otherwise:
  - appending <≥-r> after a vowel if the pitch accent is not on the final syllable
  - appending <≥-ri> after a consonant, or if the pitch accent is on the final syllable

### 3.2.6 | Locative

Nouns in the locative signify the location or time of an object or action. The locative case, when used on the name of a language, means “in a language”. They are formed from the absolutive with the suffix <≥-ma>.

Some nouns can be in the locative implicitly (without any marking). These include <šuna> (time, occurrence), <sepu> (occurrence) and <kôlo> (here).

### 3.2.7 | Directional

Nouns in the directional case indicate that an (object moved / action happened) (toward a place / until some time), and they are formed with the suffix <≥-me>.

### 3.2.8 | Causal

Nouns in the causal case indicate that an action happened because of something, and they are formed with the suffix <▷-kane>.

Final causal case (e. g. *went for the book; broken into pieces*) can be disambiguated by the particle <ta> after the noun.

### 3.2.9 | Benefactive

This case indicates an action done on behalf of something. It is formed from the suffix <▷-sane>.

### 3.2.10 | Comitative

This case indicates an action done in company with something or someone. It is formed from the suffix <▷-nylu>.

### 3.2.11 | Instrumental

This case indicates an action done with something (as a tool). It can also indicate the theme of a ditransitive verb. It is formed from the suffix <≥-rul>.

## 3.3 | Zero-marked genitive

An alternative construction for the genitive exists. If X and Y are both nouns, then X-Y is equivalent to X-GEN Y. However, this zero-marking construction is more limited compared to the full genitive; outside of literary uses, it is limited to the cases when:

- X is a quantifier such as <heli> (all), <mej> (what, which?), <kolo> (ground, many, much, this) or <manu> (part, some)
- X is an ordinal – e. g. <troma-nehatu> (first boy)
- Y is a relational noun
- Y is <kay> (group, collection) – e. g. <nâki-kay> (tree + group = grove)
- Y is a time expression such as <mane> (day) – e. g. <lykoj-mane> (next + day = tomorrow)
- Y is <sepu> (occurrence) – e. g. <sel-sepu> (once)
- Y is the name of a mathematical function
- the expression is the name of a plant or animal – e. g. <mojru-nâki> (apple tree)
- the expression is the name of a colour – e. g. <hina-suhor> (sea blue)
- in noun-verb-er compounds – e. g. <tasavo-vuleplū> (drum-hitter = drummer)
- in some fixed expressions such as <manenure> (day + middle = noon) or <tomu-forme> (domesticated animal + field = pasture)

As always, consult section 1.6.

### 3.4 | Coaspects

Coaspects apply before case but after number, and they can be stacked:

- Additional (also A, even A): <≥-tu>
- Exclusive (only A): <≥-(k, g, ħ, ġ, ñ)a> depending on the place of articulation and voicing of the onset of the previous syllable
- Superlative (the most A): <≥-do>
- Completive (all of A): <≥-tšek>
- Emphatic: <►-ħraw>

### 3.5 | Prefixes

- Diminutive: <ki->
- Augmentative: <to->
- Excessive: <dû->
- Feminine: <se->
- Masculine: <ne->
- False: <vil->
- Demonstrative prefixes:
  - <ħana-> this
  - <rina-> that
  - <dana-> yonder
  - <ħê-> other

### 3.6 | Appositive

In an appositive phrase, the base word (*not* the clarification) receives the suffix <±-vek>, after all other affixes:

Ďraħýl Rasémavek *Ďraħyn-Nýrlí rase* ħada etu týrelke.

Ďraħyn-GEN language-LOC-APPOSITIVE *Ďraħyn-land-GEN language* 12<sup>6</sup> human\PL speak\PL-3ANM-PROG

*Ďraħýl Rase, the language of Ďraħyn-Nýr, is spoken by (about) 3,000,000 people.*

### 3.7 | Relational nouns

Ďrahyíl Rase lacks adpositions or cases specialised for concepts such as “outside” or “through”, but it can still express such concepts through *relational* nouns, which describe spatial or temporal relations. Relational nouns often use the zero-marked genitive.

Table 3.2: Some examples of relational noun use.

Phrase	Components	Translation
nâki-mojmé	tree + away + directional	away from the tree
ĥanamane-mojmé	today + away + directional	from today on
taga-nēmá	box + inside + locative	inside the box
forme-ĥajmé	field + span + directional	through the field
kelinka-nurema	huts + middle + locative	amongst the huts
ĥak-šluvisko-heselár	three + square root + latch + adverbial	in terms of $\sqrt{3}$
pahnûnew-pasár	killing + intent + adverbial	with the intent to kill
suýnut-tšakér	dusk + despite + adverbial	despite the dusk

### 3.8 | Polarity

The negative of a noun is expressed with a particle <kêl> before the noun. Hence, for instance, <ínylu> means *with us*, and <kêl inýlu> means *without us*.

### 3.9 | Pronouns

Pronouns are separated by person and class (see table 3.3). The pronouns are given in Table 3.4.

Table 3.3: The pronoun classes of Ďrahyíl Rase.

Class	Things that fall under this class
Divine	Deities
Human elite	Scholars, members of the military
Human non-elite	All other sentient beings
Non-human animate	Live animals and parts thereof
Inanimate	All other objects

The dual and plural forms of pronouns are derived regularly.

The dual and plural forms of first-person pronouns are exclusive. To convey the inclusive first-person plural, a first-person and second-person pronoun are used together.

Note that the first-person plural pronouns are exclusive. Inclusive pronouns are expressed using the conjunction of two pronouns: <ĥi suý> = *we and you*.

Table 3.4: The pronouns of Ďrahýl Rase.

Class \ Person	1st	2nd	3rd
Divine	ervo	nime	
Elite	naba	revu	ħranu
Non-elite	ej	suý	ane
Animate			nej
Inanimate			vas





## 4 | Verbs

Verbs (<hrînu>; sg. <hrênu>; lit. *knots*) are conjugated for the person and number of both the ergative and the absolutive arguments, an optional causative, evidentiality, sense, zero or more aspects and tense. Only the person and number of the absolutive argument is obligatory.

### 4.1 | Verb structure

Figure 4.1: The structure of a conjugated finite form of a verb.



Note that the only optional affix dependent on another optional affix is the dislocated patient of the causative, which depends on the causative marker.

Figure 4.2: The structure of an infinitive form of a verb.



## 4.2 | The infinitive form of a verb

The infinitive form of a verb ends in <-ek>. Additionally, the pitch accent does not fall on the last syllable.

## 4.3 | Absolutive argument marking in finite forms

Conjugating for the absolutive argument involves adding an ending for person and, for plural patients, changing the stem of the verb by raising the high syllable (e. g. <zane> to <zene>). Dual forms receive a special suffix.

For verb conjugation, the inanimate class in table 3.3 is placed into its own group, and all other classes are combined into an animate class. This distinction is made only in the third person.

Table 4.1: Conjugation of <zane<sup>k</sup>> (to move).

	Singular	Dual	Plural
1st	zana	zanat	zena
2nd	zanu	zanut	zenu
3rd anim.	zanel	zaneš	zenel
3rd inanim.	zane	zanes	zene
0th	zano		
relative	zani		

The zeroeth-person marking is used for verbs that have no absolutive argument:

Table 4.2: Comparison between the presence of ABS and the absence.

Explicit ABS	Implicit ABS	No ABS
Ĥjamárzi ěnerku rine. bird-ERG seed\PL eat\PL-3 <i>The bird eats the seeds.</i>	Ĥjamárzi rine. bird-ERG eat\PL-3 <i>The bird eats them.</i>	Ĥjamárzi rino. bird-ERG eat\PL-0 <i>The bird eats.</i>

## 4.4 | Ergative argument marking

This suffix is required only if the ergative argument is not explicitly mentioned elsewhere and it is not in the zeroeth person.

## 4.5 | Aspect

A verb in Ďrahýl Rase can also receive zero or more aspect affixes. These come after the evidentiality markers in finite verb forms and immediately before the stem in the infinitive.

Table 4.3: Suffixes for the person and number of the ergative argument.

	Singular	Dual	Plural
1st	-to	-tot	-tu
2nd	-toso	-tosot	-tuso
3rd	-ta	-tat	-te
relative	-teba		
reflexive	-tame		

Note that Ďrahýl Rase's *aspects* range beyond the traditional sense of “aspect”; it also covers mood, modality, degree, tellicity and volition.

Table 4.4: Aspect markers for Ďrahýl Rase verbs.

Name	Affix	Meaning
Habitual	-mo	Indicates an action performed as a habit.
Progressive	-ke	Indicates an action in progress.
Gnomic	-ĥe	Indicates a general truth or aphorism.
Iterative	-sit	Indicates a repeated action at one point in time.
Inclinative <sup>1</sup>	-ñas	Indicates a tendency toward an action. Unlike the gnomic aspect, this does not suggest a universal. e. g. Ĥana-renus linka vineteñas. this-fox\PL-ERG house\PL scratch\PL-3-3.PL-TENDENCY These foxes tend to scratch houses.
Continuative	-kju	Indicates an action that is continuing to happen.
Momentane	-šu	Indicates an action that happens once or is short-lived.
Occasional ♦	-vir	Indicates an action that sometimes happens.
Temporary	-žir	Indicates a temporary state.
Inceptive	-ma	Indicates an action that is starting.
Cessative	-de, -du	Indicates an action that is ending. The exact suffix must agree with the vowel group of the previous syllable.
Deontic Potential	-ge	Indicates an action that is able to happen.
Deontic Necessitative	-gan	Indicates an action that must or should happen.
Epistemic Potential	-fe	Indicates an action that is inferred to be able to happen.
Epistemic Probable	-he	Indicates an action that is inferred to be likely to happen.
Epistemic Necessitative	-van	Indicates an action that is inferred to necessarily happen.
Attempt	-da	Indicates an attempted action.
Defective	-kla	Indicates an action that almost happens.
Completive	-tšek	Indicates an action that is done to completion: ĥraletšekra burn-3-COMPLETIVE-PAST It burnt away completely.
Telic	-vlo	Indicates a successful action (“managed to”).

Name	Affix	Meaning
Ineffective	-tšalu	Indicates that an action is ineffective in meeting some goal (“no use”).
Indifferent	-nelu	Indicates that an action is unnecessary in meeting some goal (“doesn’t matter”).
Diminutive	-ki	Indicates an action happening to a smaller degree. When combined with the imperative <-tro>, the verb is taken as a recommendation rather than a command.
Excessive	-dû	Indicates an action that happens to an excessive degree (“too much”).
Additional	-tu	Indicates an action happening in addition to another (“also”, “even”).
Exclusive	-(k, g, h, ġ, ñ)a	Indicates an action happening to the exclusion of others (“only”). The manner of articulation of initial consonant of the affix agrees with that of the onset of the previous syllable.
Superlative	-do	Indicates an action happening to the greatest extent (“the most”).
Discrete	-ni	Indicates one unit of action (e. g. “walk” → “step”).
Intentional	-pa	Indicates an action done on purpose.
Unintentional	-žy	Indicates an action done unintentionally.
Voluntary ♦	-sej	Indicates an action done willingly.
Involuntary ♦	-krej	Indicates an action done unwillingly.
Meritative ♦	-bûr	Indicates that an action is deserved.
Demeritative ♦	-kebûr	Indicates that an action is not deserved.
Improper	-zañ	Indicates that an action was done in an improper manner (“mis-”).
Actual ♦	-fšu	Indicates an actual state.
Imperative	-tro	Indicates a command to the second-person argument.
Hypothetical	-vluý	Acts as an if-clause. Mevu kêl sunuhevluý, mîny penetuťa. rain NEG fall-3-HYPOT, flower\PL see\PL-3-1.PL-FUT If it doesn’t rain, we will look at the flowers.
Conditional	-to	Indicates an action that depends on another condition (i. e. equivalent to our “would”).
Conflictive	-tšak	Acts as an although-clause.

Name	Affix	Meaning
Analogous	-mes	Indicates the antecedent of an analogy (i. e. equivalent to “for the same reason that”)
Emphatic	-ħraw	Places emphasis on the verb.
Reciprocal	-ñe	Indicates that ABS and ERG (or in <i>n</i> -verbs, ACC and ABS) performed the action on each other.
Evident	-zu	Indicates an obvious action. Often condescending.
Antipassive ♦	-pah	Moves ERG to ABS, and ABS (if present) to ACC. May be used instead of the zeroeth-person ABS in order to avoid rhyming.
♦ indicates aspect limited to formal language		

## 4.6 | Tense

The tense marker, which comes at the end of a finite verb form, is one of the below:

- <∅> present
- <-ra> past
- <-ta> future
- <-rus> immediate past
- <-tys> immediate future

## 4.7 | Causative

Verbs can be marked as a causative. As seen in figure 4.3, this moves one argument to another position: inside the verb.

Figure 4.3: The movement of arguments in a causative.



(If the base action has no ERG, then the causer assumes the ERG position and no further action is needed.)

The dislocated patient is incorporated in the verb, before the causative marker <-du>. It is not necessary to mark the dislocated patient.

<sup>1</sup>Thanks to mareck for suggesting this name.

## 4.8 | Evidentiality

Evidentiality is optionally marked after the causative marker.

- <-haka> by direct evidence
- <-hana> by hearsay
- <-hame> inferential
- <-hamehe> inferential (self-evident)
- <-hala> by hope
- <-hale> by imagination
- <-hapa> by allegation
- <-hase> by desire

## 4.9 | Comparative

The comparative marker <gzo->, if present on a verb with no ERG, will cause the verb to compare the degree of the action between ERG and ABS. In other words, “X-ERG Y COMP-Z” means “X Zs more than Y”, akin to the *out-* prefix in English.

Hênu kretenelñas.  
 dog\PL run\PL-3ANM-INCLINATIVE  
*Dogs tend to run.*

Hênus tûku gżokretenelñas.  
 dog\PL-ERG cat\PL COMP-run\PL-3ANM-INCLINATIVE  
*Dogs tend to run more than cats.*

## 4.10 | Direction

A verb may have a directional marker before the comparative marker.

- <sun-> to a lower place
- <lak-> to a higher place
- <ren-> inwards
- <sak-> outwards, away
- <len-> with oneself

### 4.11 | Relation

A verb may have a relational marker before the directional marker.

- <nê-> inside (an unspecified place)
- <kun-> outside (...)
- <mu-> to the side of (...)
- <kej-> around (...)
- <saj-> on top of (...)

Note that relational markers do not act as applicatives.

### 4.12 | Pitch accent

If the pitch accent of the infinitive falls on the natural location, then it will for any conjugated form.

If it falls one syllable before it, then it will fall one syllable before the natural location for any conjugated form, unless the natural location is on the third-to-last syllable, in which case it falls on the third-to-last syllable.

If it falls one syllable after it, then it will fall one syllable after the natural location for any conjugated form, unless the natural location is on the last syllable, in which case it falls on the last syllable.

### 4.13 | Notes about formality

Formal language tends to revere brevity. As a result, when there is an option to either express something morphologically as opposed to periphrastically, it will prefer the former option.

On the other hand, informal language tends to use more periphrastic constructions, and avoid marking direction and relation morphologically. Compare the following examples:

Nêlumotokrejra.  
REL\_IN-read-0-1-INVOLUNTARY-PAST

Kolohevu vasa-nēmá lumotora.  
unwillingly there-inside-LOC read-0-1-PAST  
*I unwillingly read inside.*

Although the two sentences above express the same idea, the first sentence is more formal.



### 4.14 | Polarity

As with nouns, the negative of a verb is expressed with a particle <kêl> before the verb.

### 4.15 | N-verbs

N-verbs are a special class of verbs that, instead of taking ERG and ABS arguments, take ABS and ACC arguments. In the example below, <sinek> is an *n*-verb.

Daj-manema ane ralan sinelra.

previous-day-LOC PR.3.NONELITE sorrow-ACC feel-3ANM-PAST

Yesterday, she felt sorrow.

Other *n*-verbs include <rumek> (depend, rely on).

Some verbs can be used either as a regular verb or an *n*-verb, but carry different meanings depending on usage:

Table 4.5: Some verbs whose meanings depend on *n*-usage.

Verb	<i>N</i>	Non- <i>n</i>
panek	see	look at
takek	hear	listen to
rakek	touch accidentally	touch intentionally
mumek	hate because of some intrinsic quality of what is hated	hate for the sake of hating
ramek	break something that is in the way	break something, seeking out things to be broken

### 4.16 | Ditransitive verbs

Draḥýl Rase is a secundative language; in other words, in ditransitive verbs, the recipient is the absolutive argument of the verb. The theme is marked with the instrumental case.

Zanys Ñarku zārerul vemtelra.

Zany-ERG Ñarku spoon-INSTR give-3ANM-PAST

Zany gave Ñarku a spoon.<sup>2</sup>

Note that \*<Zanys Ñarkume zāre vemtera> is grammatically incorrect.

However, other verbs may act in a monotransitive or ditransitive manner. Thus, <Zanys Ñarku zārerul betlelra> and <Zanys Ñarkume zāre betlera> are both correct and mean “Zany sent Ñarku a spoon”.

<sup>2</sup>If you're curious, <Zany> means *robin* and <Ñarku> means *seed*.

### 4.17 | General comparatives and superlatives

The comparative prefix <gzo-> (mentioned in section 4.9) works only if the base sentence has no ergative argument and the subject of comparison is the absolutive argument. Alternatively, if the ergative argument is present and it is the subject of comparison, and there is no accusative argument, the verb can receive the antipassive aspect, demoting the ergative to the absolutive, but this method tends to be unusually formal.

The general approach is used only when an ergative argument is present in the base sentence or the subject of comparison is not the absolutive argument. This approach uses the relationals <hâle> and <kâ> on the dominant and recessive subjects, respectively. These relationals are in turn declined for the case of the subject of comparison:

Pylus mîny-hâle setla-kâ rinehe.  
 fish\PL-ERG flower\PL-CMPDOM leaf\PL-CMPRESS eat\PL-3-GNOMIC  
 Fish eat more flowers than leaves.

Zany-hâles Narku-kâz gedu rene.  
 Zany-CMPDOM-ERG Narku-CMPRESS-ERG meat eat-3  
 Zany eats more meat than Narku does.

Further difficulties arise from cases where the subject of comparison is the verb, or even complete clauses. In this case, the dominant verb receives the comparative prefix <gzo-> and the completive aspect marker <-tšek>, while the recessive verb receives the comparative prefix and the diminutive aspect <-ki>:

Mako varu-mulama gžopuluheltšek sydaseý gžolymetaki.  
 Mako lake-side-LOC COMP-catch\_fish-3ANM-COMPLETIVE book\PL COMP-read\PL-3-3SG-DIM  
 Mako fishes beside the lake more than he reads books.<sup>3</sup>

In any case, omitting either the dominant or the recessive subject of comparison is ungrammatical.

Superlatives follow a completely different strategy. In most cases, the subject of comparison receives the <-do> coaspect or aspect:

Zakîl tages hrasodo lene.  
 west-GEN wind-ERG vigour-SUPER have-3  
 The west wind is the strongest.

Nehetu-tûr Zany naneldora.  
 MASC-person-out\_of-ADV Zany work-3ANM-SUPER-PAST  
 Of the men, Zany worked the most.

<sup>3</sup><Mako> means *star*. Oddly enough, it's a masculine name.

As in the second example, the relational <tuý> plus the adverbial case marks the basis of comparison.

Occasionally, multiple subjects of comparison might be marked:

Kay-tûr suýdos gireltosoðo.

group-out\_of-ADV 2SG.NE-SUPER-ERG attract-3ANM-2SG-SUPER

Out of the group, he is attracted to you the most.

This double marking suggests that there are two plausible subjects of comparison.

## 4.18 | Dependent clauses

### 4.18.1 | Relative clauses

A relative clause, or one that modifies a noun, is formed by appending <►-kâl> or <►-kaš> to the conjugated verb. Either the relative pronoun strategy (using verbal affixes or the pronoun <bâ>) or the gap strategy may be used to express the antecedent inside the clause. The relative pronoun strategy is the most common when the antecedent is the ABS of the clause or it would be otherwise unclear where it is. The gap strategy is the most common for non-ABS antecedents that are clear.

Table 4.6: Examples of relative clause usage.

Role of ante. in RC	Example
ABS	kunemikekâl sazuha dance-RELPRO-PROG-rel monkey the monkey that is dancing (<kunemekekâl sazuha> is also acceptable)
ERG	daj-manema hwonarakâl nehatu previous-day-LOC befriend-1-PAST-REL MASC-human the man who befriended me yesterday (<... hwonatebarakâl nehatu> is also acceptable)
LOC	mîny flenekâl kinâhe flower\PL grow\PL-3-REL hill the hill where the flowers grow (<mîny bâma flenekâl kinâhe> is also acceptable)
GEN	hânu teneldûkâl kisehatu dog bark-3ANM-EXCESSIVE-REL DIM-FEM-HUMAN the girl whose dog barks too much (<bâli hânu teneldûkâl kisehatu> is also acceptable)
BENEFACTIVE	bāsane nanakâš rûma REL-BENEFACTIVE work-1-REL.NONRESTRICTIVE CHILD my child, whom I work for (<nanakâš rûma> is somewhat acceptable but confusing)

<►-kâl> is used for restrictive clauses, and <►-kâs> is used for nonrestrictive clauses:

hânu teneldūkâl kisehatu  
 dog bark-3ANM-EXCESSIVE-REL DIM-FEM-HUMAN  
*the girl whose dog barks too much*

hânu teneldūkâs kisehatu  
 dog bark-3ANM-EXCESSIVE-REL.NONRESTRICTIVE DIM-FEM-HUMAN  
*the girl, whose dog barks too much*

Furthermore, despite allophony rules, <►-kâs> is not pronounced [kâ:], but rather [kâ:ɬ].

#### 4.18.2 | Content clauses

Content clauses are clauses that stand in place of nouns. They are formed by appending <►-kaj> to the conjugated form of a verb. The resulting clause can be declined as a noun, except that it is necessarily singular and its genitive form is <►-kâlî>.

Kejsa nînelmokâz klašake.  
 subject\PL belittle\PL-3ANM-HABITUAL-CONT-ERG worry-1-PROG  
*That he belittles his subjects is worrying me.*  
 or: *I'm worried that he has a habit of belittling his subordinates.*

#### 4.18.3 | Quotatives

Some verbs accept an argument other than ABS, ERG or ACC. The *quotative* (QUOT) argument is used to show direct or indirect speech. To create a quotative, the particle <tes> is used.

“Tak pejson panara” tes tûrelra.  
 “three butterfly\PL-ACC see-1-PAST” QUOT say-3ANM-PAST  
*He said, “I saw three butterflies.”*

Len tynda peneltara tes tûrelra.  
 four squirrel(\PL) see\PL-3ANM-3-PAST QUOT say-3ANM-PAST  
*She said that she looked at four squirrels.*

Sometimes, it may be useful to pass non-quotative arguments where a quotative is expected (e. g. *I didn't say anything*). In that case, the quotative relational noun <tene> (lit. *word*) plus the adverbial case is used:

Selko-tenér kêl tûrara.  
 anything-QUOT.RELATION-ADV NEG say-1-PAST

*I didn't say anything.*<sup>4</sup>

---

<sup>4</sup>But note that this could also be expressed as <Selsun kél tûrara>.



## 5 | Numbers

### 5.1 | Cardinal numbers

Đraħýl Rase uses a base-12 numbering system. The cardinal numbers from 0 – 12 are given below:

Table 5.1: The cardinal numbers from 0 – 12.

#	word
0	nâ
1	sel
2	mon
3	tak
4	len
5	bê
6	fû
7	zat
8	ko
9	rej
10	gym
11	ħyk
12	vôn

Words for numbers in the form  $x \cdot 12$  for  $2 \leq x < 12$  are expressed as  $\langle x\text{-vôn} \rangle$  – e. g.  $\langle \text{monvôn} \rangle = 24$ ;  $\langle \text{rejevôn} \rangle = 108$ .

Words for numbers in the form  $x \cdot 12 + y$  for  $2 \leq x < 12$  and  $1 \leq y < 12$  are expressed as  $\langle x\text{-vôn-}y \rangle$ , but with a few exceptions:

- Long vowels in  $y$  are shortened; e. g.  $17 = 12 + 5$  is  $\langle \text{vônbe} \rangle$ , not  $^* \langle \text{vônbê} \rangle$
- $\langle \text{mon} \rangle$  (2) and  $\langle \text{len} \rangle$  (4) swallow the  $\langle n \rangle$  of  $\langle \text{vôn} \rangle$ ; e. g.  $62 = 5 \cdot 12 + 2$  is  $\langle \text{bêvônmon} \rangle$ , not  $^* \langle \text{bêvônmon} \rangle$
- $\langle \text{rej} \rangle$  (9) is shortened to  $\langle \text{re} \rangle$  and swallows the  $\langle n \rangle$  of  $\langle \text{vôn} \rangle$ ; e. g.  $33 = 2 \cdot 12 + 9$  is  $\langle \text{monvôre} \rangle$ , not  $^* \langle \text{monvônrej} \rangle$

- $\langle ko \rangle$  (8) and  $\langle gym \rangle$  (10) change the  $\langle n \rangle$  or  $\langle v\acute{o}n \rangle$  to  $\langle \acute{n} \rangle$  (though in the standard dialect, this is only an orthographic change); e. g.  $82 = 6 \cdot 12 + 10$  is  $\langle f\acute{u}v\acute{o}n\acute{g}ym \rangle$ , not  $^*\langle f\acute{u}v\acute{o}ngym \rangle$

Words for numbers less than  $12^6$  are expressed in the form

$$a \cdot 12^5 + b \cdot 12^4 + c \cdot 12^3 + d \cdot 12^2 + (x \cdot 12 + y)$$

where  $(x \cdot 12 + y)$  is expressed using the rules above, and the remaining terms are expressed with the words:

Table 5.2: The cardinal powers of 12 up to  $12^5$ .

#	word
$12^2$	sanu
$12^3$	p\^o\re
$12^4$	rakir
$12^5$	fegi

Words for numbers that are  $12^6$  or greater are split into groups of six digits and use the following words for powers of  $12^6$ :

Table 5.3: The cardinal powers of  $12^6$

#	word
$12^6$	\^h\ada
$12^{12}$	vaza
$12^{18}$	\^t\eh\ada
$12^{24}$	lin\^h\ada
$12^{30}$	ba\^h\ada
$12^{36}$	fu\^h\ada
$12^{42}$	zeth\^h\ada
$12^{48}$	ku\^h\ada
$12^{54}$	ri\^h\ada
$12^{60}$	\^g\ym\^h\ada
$12^{66}$	hyk\^h\ada
$12^{72}$	v\^u\nh\ada

## 5.2 | Ordinal numbers

The ordinal numbers for *1st* and *2nd* are the suppletive forms  $\langle troma \rangle$  and  $\langle iramu \rangle$ , respectively. Most ordinals after *2nd* are expressed regularly with the suffix  $\langle -ru \rangle$ .

Ordinals that end with the following roots are formed irregularly:



Table 5.4: Suppletive ordinals

final	ordinal form
sanu	sanru
pôre	pôru
rakir	rakiru

### 5.3 | Fractions

Most fractions of the form  $1/n$  are formed by suffixing <-kul>. The exceptions are listed in the following two tables:

Table 5.5: Suppletive fractional forms

#	word
1/2	šaga
1/12	bžarit or vônkul
1/144	kaslo
1/12 <sup>3</sup>	navam

Table 5.6: Suppletive fractional forms

ending root	fractional
rakir	rakirlo
fegi	fegilo
ħada	ħadalo
vaza	vazalo
teħada	teħadalo

Notes:

- Fractions of the form  $1/(n \cdot 12)$ ,  $1/(n \cdot 144)$  or  $1/(n \cdot 12^3)$  (with  $n \neq 1$ ) are formed regularly; e. g.  $1/(3 \cdot 12^3)$  is <takpôrekul>, not \*<taknavam>
- But this does not apply to table 5.6; e. g.  $1/(11 \cdot 12^4)$  is <hykrakirlo>, not \*<hykrakirkul>
- The fractional forms of higher powers of  $12^6$  are not suppletive; e. g.  $1/(12^{30})$  is <baħadaku>, not \*<baħadalo>
- The pitch accent is shifted to the second-to-last syllable.

Fractions of the form  $x/y$ , where  $x \neq 1$ , are written as  $x (1/y)s$ . For example, <tak kovôlinkul> means 3 (1/100)s, or 3/100 (note the pluralisation). Likewise, 2/99 would be written <mon kovôntakkulte>. In the ergative case, for instance, this would be written as <mon kovôntekkulzi>.

## 5.4 | Distributive numbers

These are formed by suffixing <▷-vin>, and carry a meaning similar to “each” or “at a time”.

Ṭakvin tego linetat zanešra.  
 three-DISTRIBUTIVE box\PL hold\PL-3-3.DU move-3.DU-PAST  
*The two carried three boxes each.*

Kasu-ḥajmé selvin nyvelra.  
 door-through-DIR one-DISTRIBUTIVE leave\PL-PAST  
*They left through the door one at a time.*

## 5.5 | Collective numbers

These are formed by suffixing <►-kô>, and are equivalent to the English expression “between them”.

Ṭakkô tego linetat zanešra.  
 three-COLLECTIVE box\PL hold\PL-3-3.DU move-3.DU-PAST  
*The two carried three boxes between them.*

## 5.6 | Multipliers

Multipliers tell how many times one amount is relative to another. They are similar to the expression “x times as much as” or “x-fold”, and they act as determiners or adverbials. They are formed by appending <±-fšal>.

Kajnes vōlenfšal atúl kajne keme.  
 height-ERG twelve-four-MULTIPLIER human-GEN height equal-3  
*Its height is sixteen times the height of a human.*  
 or: *It is sixteen times as tall as a human.*

## 6 | Conjunctions

---

### 6.1 | Juxtaposition

Juxtaposition is used to join two elements with an “and”:

Nâkin nâhen panara.  
tree-ACC mountain-ACC see-1-PAST  
*I saw a tree and a mountain.*

Kihatu klanel unelra.  
DIM-person be\_lost-3ANM cry-3ANM-PAST  
*The child got lost and cried.*

When two predicates are joined, which of ERG, ABS or ACC occurs first in the first clause becomes the ABS in the second clause:

Hatus hânu rakel kunemelra.  
human-ERG dog touch-3ANM dance-3ANM-PAST  
*The person pet the dog and the person danced.*

Hânu hatu rakel kunemelra.  
dog human-ERG touch-3ANM dance-3ANM-PAST  
*The person pet the dog and the dog danced.*

### 6.2 | <ka> and <gy>

<ka> (inclusive or) and <gy> (exclusive or) are explicit conjunctions that occur between what they join, and follow the same rules as juxtaposition.

When two or more of the three conjunctions occur in the same phrase, all three of these conjunctions have the same precedence level and are evaluated right to left. Explicit grouping is possible using <re ... zo>.

Table 6.1: Examples showing evaluation order of conjunctions.

DR	Translation
A B C	A and B and C
A ka B ka C	A or B or C
A B ka C	A and (B or C)
A ka B C	A or (B and C)
A B ka C D	A and (B or (C and D))
re A B zo ka C D	(A and B) or (C and D)

### 6.3 | The sequential conjunction ⟨ruk⟩

Unlike simple juxtaposition, ⟨ruk⟩ implies a sequence:

Kihatu klanel **ruk** unelra.

DIM-person be\_lost-3ANM **and**.SEQ cry-3ANM-PAST

*The child got lost and then cried.*

## 7 | Adverbs

---

It is commonly said that there are no adverbs in Ďraħýl Rase. This is not entirely true, but true adverbs are a closed class. They do not receive any inflection.

Table 7.1: Some adverbs in Ďraħýl Rase.

Adverb	Meaning
huna	probably
mamane	forever
selšun	at all, ever, suddenly
rūnaħâr	in a few seconds
turusti	anymore
laksun	then, if that is the case
laŋkašaŋka	a long time ago
naý	but, however
kolohevu	unwillingly
anasana	often

It is more common to use the adverbial of a noun: <munuma> *slowness* → <munumár> *slowly*.



## 8 | Derivational rules

---

Derivational rules (<rilak>; sg. <relak>; lit. *paths*) are rules that form a related word from a root.

### 8.1 | Verb-to-verb rules

These, as the name suggests, convert a verb into a related verb. These are called <helahreniw> (sg. <helahrenew>; lit. *re-tying*) in Ďraħýl Rase. These are not particularly common, given the rich inflectional morphology of verbs.

#### 8.1.1 | Reversive

Example: <mepek> *learn* → <šlumepek> *forget*

Example: <helek> *cure* → <šluhelek> *infect* (“un-cure”)

Prefixing <šlu-> will change the meaning of an intransitive or transitive verb to its reverse.

#### 8.1.2 | Repetitive

Example: <mepek> *learn* → <helamepek> *relearn*

Example: <hrenek> *tie* → <helahrenek> *retie*

Prefixing <hela-> will change the meaning of an intransitive or transitive verb X to mean “to X again”.

### 8.2 | Verb-to-noun rules

These convert a verb into a related noun. In Ďraħýl Rase, they are called <šluhreniw> (sg. <šluhrenew>; lit. *untying*). A common method to learn these constructions is to use the dummy verb <bžebek> and its derivations to show its role.

### 8.2.1 | Agent noun

These are nouns describing an entity who performs an action. They are distinguished by the role of the agent in the action in question and the animacy of the agent.

Table 8.1: Agent derivations. These can substitute either the <-ek> infinitive affix or the <-kaj> content clause affix. The former substitution is shown first, followed by the latter. All of the affixes shift the stress to the second-to-last syllable.

Role \ Animacy	Animate	Inanimate
ERG	-eplū / -kaplū panek <i>look at</i> paneplū <i>guard</i>	-etanu / -ketanu sunuhek <i>fall, drop</i> mevu-sunuhetanu <i>rain machine</i>
ABS	-oplū / -kuplū benek <i>reside</i> benoplū <i>resident</i>	-otanu / -kotanu ħralek <i>burn, cook</i> ħralotanu <i>fuel</i>

Agent nouns can be compounded. An ERG-agent noun can be prepended with an ABS-argument, and vice-versa (though, as usual in compounding, only the second noun is declined):

mevu-sunu**hetanu**  
rain-fall-**AGENT.ERG.INANIMATE**  
rain-dropp-**er** or *rain machine*

nŷr-rimoplū  
land-be\_a\_burden-**AGENT.ABS.ANIMATE**  
*someone who is a burden to the country* or *societal waste*

Hence, the mnemonics are <Bzebeplūz bzebo> *A foo-er foos* and <Bzeboplūz bzebel> *A foo-ee is foed*.

### 8.2.2 | Action noun

As usual, these are distinguished by role. In other words, there is a distinction between the act of being the ERG of a verb and the act of being the ABS.

Table 8.2: Action derivations. These are formed by substituting <-ek> with another affix.

Role	New affix
ERG	►-ew tšalek <i>fight</i> → tšalew <i>battle</i>
ABS	▷-esa panek <i>see</i> → panesa <i>appearance</i>



Note that the ABS and ACC arguments of *n*-verbs are treated as ERG and ABS in action nouns.

Hence, the mnemonics are <Bžebew: bžeboto> *Fooing<sup>erg</sup>: I foo* and <Bžebesa: bžeba> *Fooing<sup>abs</sup>: I am fooed*.

### 8.2.3 | Location noun

These are distinguished between natural and manmade locations.

Table 8.3: Location derivations. These are formed by substituting <-ek> or <-kaj> with another affix. All of the affixes shift the stress to the second-to-last syllable.

Location type	Affix
Natural	-ekolo / -kekolo rumek <i>hunt</i> → rumekolo <i>hunting grounds</i>
Manmade	-elenka / -kalenka renek <i>eat</i> → renelenka <i>restaurant</i>

Hence, the mnemonic is <Bžebelenkama binel bžibelpah> *In the foo-house, they reside and foo*.

### 8.2.4 | Temporal noun

Example: <mepék> *learn* → <mepesu> *schooltime*

These describe the time when an action happens. <-ek> is replaced with <▷-esu>, and <-kaj> with <▷-kašu>.

Hence, the mnemonic is <Bžebešuma vledel bžibelpah> *At foo-time, they wait and foo*.

### 8.2.5 | Pattern noun

Example: <hralek> *cook* → <hralélaj> *recipe*

These describe a pattern or blueprint for an action. <-ek> is replaced with <▷-élaj>, and <-kaj> with <▷-kélaj>.

Hence, the mnemonic is <Êz bžebélaj lume bžebo><sup>1</sup> *I read the foo-book and foo*.

### 8.2.6 | Instrument noun

Example: <tanek> *go, walk* → <tanive> *a tool for walking* → <tanivél vunu> *walking-stick*

These describe an instrument used for an action. <-ek> is replaced with <▷-ive>, and <-kaj> with <▷-kajve>.

Hence, the mnemonic is <Bžebiverul bžebo> *They foo with the foo-tool*.

<sup>1</sup>using whatever first-person pronoun is appropriate

### 8.2.7 | Derivative noun

The derivative noun is used to describe a product made from an action. Again, there is a distinction between natural and manmade derivatives:

Table 8.4: Derivative derivations. These are formed by substituting <-ek> or <-kaj> with another affix. All of the affixes shift the stress to the second-to-last syllable.

Derivative type	Affix
Natural	-eņej / -keņej ponek <i>bite</i> → poneņej <i>result of biting (e. g. bite marks)</i>
Manmade	-eklane / -keklane hralek <i>cook</i> → hraleklane <i>cooked food</i>

Hence, the mnemonic is <Bžebo bžebeklane srane> *They foo and make foo-product.*

### 8.2.8 | Tendency noun

Example: <horek> *laugh* → <horura> *tendency to laugh* → <horurál atu> *a person who tends to laugh*

These create a noun that means “tendency to do X”, which in turn is almost always used in the genitive or as the ABS of <lenek> *to have*.

<-ek> is replaced with <▷-ura>, and <-kaj> with <▷-kura>.

Hence, the mnemonic is <Bžeburál atu bžeboņas> *A person with the tendency to foo tends to foo.*

### 8.2.9 | Craft noun

Example: <gunek> *experiment, torture* → <gunyw> *science*

These create a noun that means “the art of doing X”. <-ek> is replaced with <►-yw>, and <-kaj> with <►-nyw>.

Hence, the mnemonic is <Bžebyw varnekâl etu anasana bžebo> *Those who enjoy the art of fooing often foo.*

## 8.3 | Noun-to-noun rules

These convert a noun into a related noun. In Ďraħýl Rase, they are called <lakan-ņej> (sg. <lakan-ņaj>; lit. *spanning over* or *crossing*).

Due to the number of such rules and their straightforwardness, we express them in a table.

Table 8.5: Noun-to-noun rules.

Name	Affix	Description
Collection	►-kaý	A collection of the noun. Ex. <nâki> <i>tree</i> → <nâkikaý> <i>forest</i>
Bounty	▷-tanu	Full of; supplied with; having much of.

Name	Affix	Description
Negative	kê-	Ex. <vuýra> <i>mold</i> → <vuýratanu> <i>moldiness</i> Obvious.
Reversive	ślu-	Ex. <denutanu> <i>finite</i> → <kêdenutanu> <i>infinite</i> The reverse action.
Archetype	≥-ko	Ex. <visko> <i>squaring</i> → <śluvisko> <i>square root</i> An entity of the quality.
Natural derivative	►-nej	Ex. <kensu> <i>redness</i> → <kensuko> <i>red thing</i> Obvious.
Manmade derivative	▷-plane	Ex. <ñarku> <i>seed</i> → <ñarkunej> <i>young plant</i> Obvious.
Partial	►-mân	Ex. <nâki> <i>tree</i> → <nâkiplane> <i>wood</i> A part of something.
Friend	►-tûn	Ex. <nâki> <i>tree</i> → <nâkimân> <i>branch</i> A friend or proponent of something.
Possessor	▷-kâdu	Ex. <śluklanew> <i>correcting misleading information</i> → <śluklanewtûn> <i>proponent of correcting misleading information</i> One who possesses something.
Container	≥-sew	Ex. <nýma> <i>wisdom</i> → <nýmakâdu> <i>wise person</i> A container for or a typical home of something.
Study	▷-relu	Ex. <kês> <i>arrow</i> → <kêssew> <i>quiver</i> The study of something.
Craft	►-nyw	Ex. <hawma> <i>spider</i> → <hawmaséw> <i>spider web</i> The art or craft of something.
Change	≥-há	Ex. <rakama> <i>story</i> → <rakamanyw> <i>literature (field of study)</i> The act of gaining some quality.
Reflexive	ñe-	Ex. <reket> <i>pale, white</i> → <revetha> <i>lightening</i> A quality pertaining to oneself or each other.
Agent	≥-hat	Ex. <kēkemew> <i>difference</i> → <ñekēkemew> <i>diversity</i> One who does.
		Ex. <rekarelu> <i>mathematics</i> → <rekareluhat> <i>mathematician</i>

In general, <▷-relu> suggests a more objective field of study, and <►-nyw> a more subjective one. Interestingly, *science* is translated as <ğunyw>, which uses a derivation analogous to the latter.

## 8.4 | Noun-to-verb rules

These are called <hreníaj> (sg. <hrenélaj>; lit. *tying recipe*).

### 8.4.1 | Becoming

Example: <kensu> *red* → <kensunek> *red*

This is a simple suffix <≥-nek> and produces an intransitive verb. If the pitch accent somehow falls on the last syllable with the shift, it instead falls on the second-to-last: <hājnek> instead of \*<hājnék>.

### 8.4.2 | Measure

Example: <kaku> *year* → <kakunvek> *be x years old*

Example: <ñetra> *unit of distance equivalent to shoulder-to-fingertip distance (~0.75 cm)* → <ñetranvek> *be x ñitra tall / long*

Example: <farep> *unit of mass (~1.5 kg)* → <faremvek> *weigh x ferep*

A longer example:

Vômon pavranveto.

twelve-two pavra-MEASURE-3-1

I am fourteen pevra tall. (1 pavra = 1/6 ñetra)

The measure rule takes a unit of measure and outputs a transitive verb meaning “ERG measures ABS units”. It is formed by:

- Changing the coda to the nasal at the same place of articulation (but <h> and <h> change to <ñ>, and <t> and <d> to <n>). If there is no coda, append an <n>.
- Appending <▷-vek>.

## 9 | Semantics

---

This chapter is meant to be a guide on how to use certain words, and may help you translate text to or from Ďraǵýl Rase.

### 9.1 | Predicative possession

Uninterestingly, predicative (alienable) possession is expressed with the verb <lenek> *have, hold, possess*. (This verb is also used to assign a quality to the noun.)

Bûn êz *lene*.  
cup I.NONELITE-ERG *have-3*  
*I have a cup.*

Inalienable predicative possession uses the relational <dura> *glue* and the verb <atek> *exist*.

Mon takit-durár *ata*.  
two ear-DU-glue-ADV *exist-1*  
*I exist with two ears.*  
or: *I have two ears.*

Predicative association (e. g. *I have a dog*) uses an expression that is translated to *live with*:

Hânunylu *bena*.  
dog-COM *reside-1*  
*I live with a dog.*  
or: *I have a dog.*

## 9.2 | “To be”

The English verb “to be” has no direct translation in Ďrahýl Rase because it has several uses:

- to express identity
- to express membership or subthood
- to express location
- to express a property
- to express definition
- to express existence

Each of these meanings is covered by a different verb in Ďrahýl Rase.

### 9.2.1 | Identity

Identity is expressed with the verb <kemek> *equal*:

Vašâz Tasara keme.  
 Vašây-ERG Tasara equal-3  
 [The city of] Vašây is Tasara.<sup>1</sup>

### 9.2.2 | Membership

Membership is expressed with the verb <asek> *include, contain*. Note that the ERG argument is always plural and refers to the superset:

Mâra etus asel.  
 Mâra human\PL-ERG contain-3ANM  
 [The set of] humans contain[s] Mâra.  
 or: Mâra is a human.

Hrêne nêkis ese.  
 birch\PL tree\PL-ERG contain\PL-3  
 Birches are trees.

Note that juxtaposition of two nouns declined in the ergative case produce unexpected results:

Hênus / tûkus asel.  
 dog\PL-ERG cat\PL-ERG contain-3ANM  
 It is a dog or a cat. (literally [The set of] dogs and cats contains it.)

<sup>1</sup> Vašây and Tasara are the Ďrahýl Rase and Kavinan names for the same city, respectively.

In order to produce the intended result, the clause must be repeated:

Hênus asel, tûkus asel.  
 dog\PL-ERG contain-3ANM cat\PL-ERG contain-3ANM  
 It is both a dog and a cat.

Note that <asek> is also used for the conventional sense of *including* or *containing*:

Tagas laki ase.  
 box-ERG salt contain-3  
 The box contains salt.

### 9.2.3 | Location

Location is expressed with the verb <benek> *be at, reside, stand, live*:

Suylí lenkama bena.  
 PR.2.NONELITE-GEN house-LOC be\_at-1  
 I am at your house.

### 9.2.4 | Property

<lenek> *have, possess* is used for qualities:

Zekkus revet lene.  
 rabbit-ERG white have-3  
 The rabbit is white.

### 9.2.5 | Definition

<hšenek> *ERG is defined as ABS* is used:

Pavras fûkul ñetra hšene.  
 pavra-ERG six-FRACTION ñetra defined\_as-3  
 A pavra is one-sixth of a ñetra.

### 9.2.6 | Existence

This uses <atek> *exist*.

Vanrakajkáne ata.  
 ponder-1-CONTENT-CAUS exist-1  
 I think; therefore, I am.

### 9.3 | “Good” and “bad”

There are no direct translations of *good* or *bad* in Ďrahýl Rase. One must specify *by which metric*.



## 10 | Miscellanea

---

This chapter covers often-neglected topics that are too small for their own chapters.

### 10.1 | Units of measure

#### 10.1.1 | Time

The following table shows the most common units of time:

Table 10.1: Units of time.

Name	Definition	Approximation
kaku (= <i>year</i> )	365.25 mene, 8 or 9 diku	1 year
deku	44 or 45 mene	
nusa	6 mene	
mane (= <i>day</i> )		1 day
nevr	1/12 mane	2 hours
tarnu	1/72 nevr	5/3 minutes (100 seconds)
pšule	1/108 tarnu	0.925 seconds

The *kaku* starts on the first day of the first *deku* on or after the 12th *mane* before the spring equinox.

## → Names of diku

Table 10.2: Names of the *diku*.

Name	Length	Origin
zandek	44	⟨zany⟩ <i>robin</i>
kazdek	45	⟨kasla⟩ <i>lily</i>
têdek	44	⟨têke⟩ <i>sun</i>
mevdek	45	⟨mevu⟩ <i>rain</i>
sundek	44	⟨sunuhek⟩ <i>fall down</i>
šidek	45	⟨šiki⟩ <i>dust, powder</i>
guldek	44	⟨guli⟩ <i>ice</i>
mordek	45	⟨moru⟩ <i>black</i>
hraldek	44	⟨hrale⟩ <i>fire</i>

*Mordek* is an intercalary *deku* that appears only in *keku* with nine *diku*.

## → Names of the mene of the nusa

Starting from the first day of work, these are:

- pakuy-mane
- sanlu-mane
- kônre-mane
- grefu-mane
- zekku-mane
- Idisa-mane

*Idisa-mane* is commonly considered a day of rest. The first *mane* of the *kaku* is set such that the last *mane* of the *kaku* is *Idisa-mane*.

### 10.1.2 | Length

The following table shows the most common units of length:

Table 10.3: Units of length.

Name	Definition	Approximation
swana	2520 ñitra	1.89 km
ñetra	shoulder-to-fingertip distance	75.0 cm
pavra	1/6 ñetra	12.5 cm
nûko	1/6 pavra	2.08 cm
hjali	1/15 pavra	8.33 mm

### 10.1.3 | Mass

The following table shows the most common units of mass:

Table 10.4: Units of mass.

Name	Definition	Approximation
farep		1.56 kg
vune	1/24 farep	65 g



## 11 | Example Texts

### 11.1 | Varwe (translations of foreign works)

#### 11.1.1 | Helakotanesa

Translation of William Butler Yeats’ “The Second Coming”.

խնէրձն օղնն չէնթրձն

Kolonekâl hjulâma funelkjûkâl

large-BECOME-3-REL vortex-LOC rotate-3ANM-CONTINUATIVE-REL

Turning and turning in the widening gyre

(A point of subtlety: <kawsa> wide is not used since the vortex is inferred to be expanding in two dimensions.)

բձն Դնթեւեւ թ Դննն

Dâba talgeplün kêl takelge,

falcon take\_care\_of-AGENT-ACC NEG hear-3ANM-DEONTIC\_POTENTIAL

The falcon cannot hear the falconer;

(<dâba> can technically refer to any bird of prey.)

Էյր չփլ Էր թ օննննն

Nÿr hîse, nure kêl hrenetamege,

world fall\_apart-3 centre NEG tie-3-REFLEXIVE-DEONTIC\_POTENTIAL

Things fall apart; the centre cannot hold;

Դփննն Էյրննն ռննն

Kasra-hevesi nÿr-hajmé betlema,

leader-hole world-through-DIR fly-3-INCHOATIVE

Mere anarchy is loosed upon the world,

օնն Էնննն 56-Դ Ընննն

Uros nefinekâl lerûna sluhrene,

blood-ERG dark-BECOME-3-REL tide REVERSIVE-tie-3

The blood-dimmed tide is loosed ...

ᑭᑭᑭ ᑭᑭ, ᑭᑭᑭ ᑭᑭᑭ.

Girúl ehu atúl môdu /  
 lion-GEN body human-GEN head  
 A shape with lion body and head of a man,  
 (No slash is used between <girúl ehu> and <atúl môdu> in order to avoid confusion.)

ካፍኦካገፍ ሥኔ ነፍሥ ንፍስ ይኖር  
 Têke-tûr kêl lurakâl numâl panew  
 sun-like-ADV NEG have\_mercy-1-REL empty-GEN see-ACT.A  
 A gaze blank and pitiless as the sun,

፳፭፻፬ ዕኔ ሃይማኖት ሥፍራ  
 Munumâr helde zeneke, kejmâ  
 slow-ADV leg\PL move\PL-3-PROG around-LOC  
 Is moving its slow thighs, while all about it

፩፻፱ ዕኔ ከፍጥነት ይሄ ይሄ  
 Fanûl havat-hjamerzîl nifi bitle.  
 anger-GEN desert-bird\PL-GEN shadow\PL fly\PL-3  
 Wind shadows of indignant desert birds.

፩፻፱ ዕኔ ከፍጥነት ይሄ ይሄ  
 Nefi helaunuhe, naý hýo  
 darkness AGAIN-descend-3 but now  
 The darkness drops again but now [I know]

፲፱፻፲፱ ዕኔ ሥፍራ ይኖር  
 Galûl rajnesâl vòmmonsanu mene  
 stone-GEN sleep-ACT.P-GEN 12-2-144 year\PL  
 [That] twenty centuries of stony sleep

፩፻፱ ዕኔ ከፍጥነት ይሄ ይሄ  
 Funes koderifnekera tes tuha,  
 cradle-ERG nightmare-BECOME-PROG-PAST QUOT know-1  
 Were vexed to nightmare by a rocking cradle,

፲፱ ዕኔ ከፍጥነት ይሄ ይሄ  
 Rû hýo surekâl mêl mogól gane  
 time now know-3-REL what-GEN evil-GEN beast  
 And what rough beast, its hour come round at last,

፩፻፱ ዕኔ ከፍጥነት ይሄ ይሄ  
 Nakkelkajsáne Bêtlehemé tanel?  
 be\_born-3ANM-CONTENT-BENEFACTIVE Bethlehem-DIR go-3ANM  
 Slouches toward Bethlehem to be born?





## | The Ďraǵýl Rase lexicon

1. Entry – the Ďraǵýl Rase term listed.
2. PoS – the part of speech of the corresponding entry:
  - *n* – a noun or pronoun
  - *v* – a verb
    - *vn* – an *n*-verb
    - *vn?* – a verb that can be used as either an *n*-verb or a non-*n*-verb. In this case, both usages are clarified in the Notes column.
    - *v2* – a verb that can be used as either a monotransitive verb or a ditransitive verb
    - *v2x* – a verb that is always used as a ditransitive
  - *adv* – a true adverb
3. Gloss – the gloss for the corresponding entry.
  - (a) (A) – the ergative argument of the verb.
  - (b) (P) – the absolutive argument of the verb.
  - (c) (QUOT) – the quotative argument of the verb.
4. Notes – special grammatical or semantic notes for this term.

ej <i>n</i> I	ponek <i>v</i> bite
	panā <i>n</i> feather
	pama <i>n</i> snake
p	prakek <i>v</i> criticise, improve
pajso <i>n</i> butterfly	prunek <i>v</i> cut out, excise, delete
pasa <i>n</i> intention	paruvek <i>v</i> socialise, live in organ-
pyse <i>n</i> south	ised tribes
pasek <i>v</i> (P) answers (QUOT)	pšule <i>n</i> unit of time (~ 0.92 sec)
panek <i>vn?</i> look at, see, turn to-	pela <i>n</i> table
ward, find <i>n</i> = see; non- <i>n</i> = find	pelu <i>n</i> left

- pulu *n* fish  
 plety *n* parent  
 palsu *n* innocence  
 puluhek *v* catch fish  
 plû *n* hand, arm  
 plûn *n* sand  
 pavra *n* unit of length = 1/6 ñetra  
 puña *n* knee  
 puzanek *v* pull, be pulled, invite
- | t
- atu *n* human  
 toý *n* deed, act  
 tuý *n* resemblance, like  
 tuý *n* out of (used in superlative constructions) *n* + tuý + adv  
 totu *n* largeness  
 atek *v* exist  
 tajka *n* branch, bough  
 taka *n* hole taka-nēme *lit.* into a hole to no end, relentlessly  
 taki *n* ear  
 teku *n* not functioning, not working, broken  
 tewko *n* taste, preference  
 takatu *n* structure, building  
 takek *vn?* hear, listen to *n* = hear; non-*n* = listen to  
 takika *n* happiness  
 tekka *n* shelf, grid  
 takru *n* pair of shoes  
 itase *adv* perhaps, maybe  
 itos *n* riding animal  
 tes *n* quotative  
 tusuý *n* cliff, promontory  
 tusru *n* servant  
 tasavo *n* drum  
 tene *n* word, quotative relational  
 tanek *v* go, walk with stop aspect, can mean “stop” or “arrive”; with start aspect, can mean “start” or “depart”  
 tenek *v* make noise, bark  
 tynda *n* squirrel  
 tamu *n* skin, hide
- tomu *n* domesticated animal  
 tomek *v* bind, control, drive  
 tehu *n* fence, wall  
 tuhu *n* wisdom  
 tuhek *v* (P) knows (QUOT)  
 turek *v* light (a candle or light switch), turn on  
 trakas *n* pompous, boastful  
 trasi *n* morning  
 turusti *adv* anymore  
 tarno *n* brick  
 tsake *n* war, battle, despite  
 tašef *n* noodles  
 tsane *n* basket  
 tsalek *v* fight, struggle against  
 tsagek *v* shout, ring (bell)  
 tawla *n* skill  
 talan *n* goose  
 talmo *n* clarity, lightness  
 talgek *v* raise, take care of  
 telgek *v* prepare for, be prepared for
- tovo *n* sheep  
 tavra *n* plate, one’s share of  
 tavlu *n* egg  
 tevalek *v* guess (QUOT|P)  
 taga *n* box  
 tage *n* wind  
 tegira *n* attractive, beautiful, handsome (person)  
 tažaru *n* summer solstice  
 têke *n* sun  
 têlaka *n* dawn, sunrise  
 têg *n* bone  
 tôku *n* cat  
 tône *n* rainbow  
 tôrenu *n* palace  
 tûrek *v* speak, say ≠ satek; speaker → P  
 tûle *n* hard, difficult  
 tûlo *n* heavy, stubborn  
 tûd *n* strength, strong

<b>k</b>		
kaŷ <i>n</i>	collection, bundle, group, organisation	krenu <i>n</i> earliness, speed, sudden fast early
ke <i>n</i>	temporary, fleeting	kšoj <i>n</i> dummy noun
kej <i>n</i>	environs, surroundings, around, about Singular.	kšaki <i>n</i> phrase, sentence
kapa <i>n</i>	milk	kšakimÿu <i>n</i> syntax
kajto <i>n</i>	stove	kšusa <i>n</i> lightning
kotaneĸ <i>v</i>	come, return, arrive	kšumu <i>n</i> chain
kaku <i>n</i>	year	kšavo <i>n</i> bell
kajkeĸ <i>v</i>	hide	keli <i>n</i> knife, blade
kekoro <i>n</i>	most, majority	kile <i>n</i> smallness
kajsa <i>n</i>	subject, inferior, person of lower rank, subordinate	klu <i>n</i> a few, several
kasu <i>n</i>	door, gate	kolo <i>n</i> ground, place, floor Also used as an adjective to mean “much”, “many”, “large”, “wide” (2D) or “this”.
kawsa <i>n</i>	width, wide (1D)	kula <i>n</i> scale (for weighing)
kaseĸ <i>v</i>	serve, follow	kaltanu <i>n</i> clock
kaseĸ <i>v</i>	penetrate, breach, invade	kaleĸ <i>v</i> (P) feels pain in (A)
kaseĸ <i>v</i>	wake up	keleĸ <i>v</i> need
kasna <i>n</i>	dense, frequent, often	klanew <i>n</i> state of being lost, misleading, false logic
kesma <i>n</i>	window	kelenka <i>n</i> hut
kasra <i>n</i>	military leader, splendour	klanek <i>v</i> be lost, abandon
kasra-ĥevesi <i>n</i>	anarchy	kolman <i>n</i> today
kaslu <i>n</i>	lily	kluha <i>n</i> backside
kajne <i>n</i>	high, tall, height, proud, pride	kolohevu <i>adv</i> unwillingly
kanu <i>n</i>	room	klašek <i>v</i> (P) is worried / concerned / disturbed about (A)
konu <i>n</i>	moss	klûd <i>n</i> flat object, pane
kune <i>n</i>	outside	kagi <i>n</i> foolish, stupid
kento <i>n</i>	name	kegejlew <i>n</i> damnation
kunek <i>v</i>	decay, wither, rot, perish	kuĥa <i>n</i> axe
kensu <i>n</i>	red	koderef <i>n</i> nightmare
konsu <i>n</i>	ladder	kebenek <i>v</i> camp, reside temporarily
kunemek <i>v</i>	(P) dances	
konrek <i>v</i>	request, ask for	
kinâĥe <i>n</i>	hill	
kemew <i>n</i>	same, equal	
kemek <i>v</i>	equal	
kaĥek <i>v</i>	swim	
keĥen <i>n</i>	bucket	
kejhátu <i>n</i>	neighbour	
kohatu <i>n</i>	guest	
kretaneĸ <i>v</i>	run	
kareĸ <i>v</i>	call oneself, assign to oneself	

## S

saj *n* surface, top  
 suý *n* you  
 sepu *n* ~ times For brevity, it is not necessary to add the temporal suffix.  
 supane *n* care, careful  
 siplu *n* complex, ornate  
 satek *v* tell ≠ tûrek; speaker → A; audience → P  
 satanek *v* travel to In this case, A travels to B = A-s B satane  
 satla *n* leaf  
 asaka *n* danger  
 asek *v* contain, include This verb can also be used to mean “is” in the appropriate case. e. g. Etus Mâra ase. – Mâra is a human. Note that A is always plural in this case.  
 sako *n* village  
 seki *n* gender  
 suýku *n* sugar  
 sane *n* wheat  
 sune *n* water  
 swana *n* unit of distance ~ 1.89 km  
 suýnut *n* dusk, sunset  
 sejnek *v* want (to)  
 senka *n* compassion, empathy  
 sinek *vn* (emotionally) feel, sense  
 suneka *n* well  
 sunemek *v* drown  
 sunuh *n* below  
 sunuhek *v* fall, descend, drop  
 mevú (sunuhek) rain  
 senrak *v* believe  
 sunugalu *n* meteor  
 samo *n* face  
 simek *v* (A) apologises to (P)  
 suhe *n* deer  
 sahnek *v* play  
 sahe *n* line (geometric form)  
 sehatu *n* girl  
 suhor *n* blue  
 surek *v* (A) knows about (P)  
 sranek *v* build, make, construct, create, produce

sravek *v* intend  
 -saši *n* title for ordinary people, used w/ surname  
 sušek *v* (A) visits (P)  
 esela *n* latch, rearrangement, in terms of  
 silu *n* younger sibling  
 syltek *v* hide, cover X hides in Y = Y-s X syltel = Y hides X  
 salka *n* stem  
 selko *n* any, at all, anything  
 salra *n* glass  
 selšun *adv* at all, ever, suddenly  
 seva *n* winter  
 suvek *v* (P) hangs  
 sigut *n* campaign, event, march  
 syda *n* paper  
 sydasay *n* book  
 sydamanu *n* chapter (of a book)  
 sazuha *n* monkey  
 sağek *v* earn  
 seğek *v* emit  
 sân *n* twig, thing  
 sânko *n* thing

## f

fuý *n* reason  
 jufa *n* flavour, taste, delicious  
 fetek *v* sing (tr), be sung (intr)  
 fukek *v* blow on  
 fykka *n* fern  
 fanu *n* anger, wrath  
 fenu *n* chant, song, poem  
 funa *n* eye  
 fune *n* cradle, wheel  
 funek *v* rotate  
 finso *n* region of country  
 fahta *n* normal, usual, ordinary  
 farep *n* unit of mass equivalent to ~1.5kg  
 forme *n* countryside, plains, field  
 fšane *n* face  
 fšube *n* border  
 flanev *v* grow

fŷ *n* per, each

## n

naŷ *adv* but, however

unu *n* gentle

nupo *n* boat

nupotanek *v* sail

napek *v* say, write, express, record

natû *n* bow

nako *n* mushroom

nawko *n* mouth

unek *v* cry

nekek *v* dislike

nakkek *n* be born, give birth to

nekas *n* dislike

neklo *n* root

anasana *adv* often

nefi *n* dark, shadow

nanek *v* (P) works (labour)

nwenek *v* flatter, compliment

nema *n* sweetness

numa *n* emptiness, void, blank

numahatu *n* slave

nimur *n* lizard

naħa *n* award, gift, present (for

POSSESSOR)

naħyw *n* grammar

naħek *v* raise a pillar, build, con-

struct

naħan *n* unit of currency

nuhe *n* past, before, near

nehatu *n* boy

nuhurek *v* mourn, grieve

anur *n* daytime

nure *n* middle, between, among,

centre

unure *n* weak

narek *v* argue

narmu *n* loud

nurûko *n* devil, demon

nula *n* approximately

neltek *v* store, stash, save

nalī *n* trick, stunt

najva *n* people, race, tribe

nuvo *n* hair, fur

nuvata *n* spouse

nuvek *v* banish, exile, leave, exit,

remove

unade *n* solitude, loneliness

nebek *v* melt

nebewgalu *n* lava

nuġe *n* ink

nâ *n* zero, nothing

nâki *n* tree

nâħe *n* mountain, safe, secure

nâħhalde *n* nomad

nê *n* inside

nênek *v* ridicule, belittle

nêbe *n* dignity

nûtek *n* shoot from a bow

nûko *n* finger

nûnek *v* die, kill

nûnew *n* death, obviousness

nŷma *n* wisdom

nŷr *n* land, country, world

## m

ama *n* north

mej *n* what?

moj *n* distance, opposite side, after,

beyond X-mojmé = away from X; moj-

mane(ma) = some day

mŷu *n* order, sequence

mapek *v* (A) translates, interprets

(P) as (QUOT)

mepek *v* learn, teach (about)

learn <A> → <A>-kejma mepek

môŷplû *n* fist môŷplûrul vulek

punch

matek *v* roll

matek *v* insult

matuk *n* fruit

metek *v* (A) can converse in lan-  
guage (P)

matora *n* ball

matuħ *n* nonsense

maka *n* (spool of) thread

mako *n* star

muka *n* love  
 mukek *v* droop, bend  
 mas *n* front  
 misek *v* (P) thanks (A)  
 mane *n* day  
 manu *n* part, some, segment  
 mjeny *n* flower  
 monu *n* tool  
 menek *v* (A) prays to (P)  
 munuma *n* slowness, lateness  
 monšun *adv* ever again (negative statement) ~  
 mumek *vn?* loathe, hate *n* = be forced to hate; non-*n* = hate intentionally  
 mamane *adv* forever  
 majru *n* wolf  
 mojru *n* apple  
 moru *n* black  
 merek *v* fill, (P) is filled with / has much (A)  
 mraša *n* correct, right, virtuous  
 marda *n* castle, fortress, stronghold, conviction, firm  
 meša *n* air, wind, sky, heaven  
 mašek *v* breathe  
 mušek *v* curse  
 mula *n* side  
 malata *n* togetherness  
 malka *n* quiet, calm, sound  
 malnek *v* be idle, have nothing to do  
 mevu *n* rain  
 mogo *n* evil, heinous, wicked  
 madanek *v* enter  
 medanek *v* flee  
 mağa *n* down, under, below  
 môtg *n* east  
 môdu *n* head  
 môdu-mas *n* forehead

## | ě

eěu *n* body, object  
 ěisek *v* grind, fall apart  
 ěanek *v* do this

ěaname *n* this one, generic pronoun  
 ějamar *n* bird  
 ěrašo *n* vigour, raging  
 ěrašek *v* rage, rave, rush  
 ěrale *n* fire  
 ěralek *v* burn, cook, heat kaj-tos (ěralek)) be turned on  
 ěrâne *n* birch  
 ěši *n* valley  
 ěšenek *v* (A) is defined as (P)  
 ěalek *v* guide, direct  
 ěalde *n* gold, money  
 ěevesi *n* small hole, bore  
 ěâle *n* river, way, method, direction  
 ěên *n* others Declined only for case, not number.

## | ě

ěaj *n* through, along, during, span, across, long (time)  
 ěara *n* edge  
 ěawri *n* storm relation word for “as much as possible”  
 ěeli *n* everything, all If modifying another noun, that noun is always singular.  
 ěelek *v* cure  
 ěeze *n* spirit, immaterial, abstract, soul

## | h

hÿo *adv, n* now  
 heke *n* stomach  
 hakko *n* tail  
 hise *n* dot, patch, point, drop  
 hina *n* sea  
 hjane *n* shape  
 huna *adv* probably  
 huno *n* friend  
 hanak *n* spruce  
 hwonek *v* befriend

hawma <i>n</i>	spider	resa <i>n</i>	grass
hihe <i>n</i>	mist	restu <i>n</i>	concise, packed
hawhale <i>n</i>	swirl, spiral	rusek <i>v</i>	(A) bores (P)
hara <i>n</i>	shallow	raskek <i>v</i>	help
horek <i>v</i>	laugh	resnu <i>n</i>	smart, intelligent
hurek <i>v</i>	oppose	reftu <i>n</i>	horn
hrenek <i>v</i>	tie, connect	ranu <i>n</i>	fox
hreza <i>n</i>	old age, oldness	renu <i>n</i>	meal
hrênu <i>n</i>	knot, verb	runa <i>n</i>	ring, circle
hela- <i>prefix</i>	back, again, re-	rajnek <i>v</i>	sleep
hele <i>n</i>	god, deity	renek <i>v</i>	eat
hjula <i>n</i>	vortex, gyre	rinek <i>v</i>	count
halde <i>n</i>	leg, foot	rânasa <i>n</i>	bay
hlibek <i>v</i>	accept (an apology)	riname <i>n</i>	that one
hevu <i>n</i>	rope, noun	renhâle <i>n</i>	recipe
havat <i>n</i>	desert	renlenek <i>v</i>	bring
hevuko <i>n</i>	snow	rima <i>n</i>	topic, head, title
hovrek <i>v</i>	stand	rime <i>n</i>	baggage, burden
haga <i>n</i>	iron	ruma <i>n</i>	child (progeny)
hagazaneplū <i>n</i>	machine	iremek <i>v2x</i>	sell, buy
heŋgu <i>n</i>	cloud, ceiling	ramek <i>vn?</i>	break, shatter, tear,
hazi <i>n</i>	trait, disposition, quality	destroy <i>n</i>	= what was broken was in
hoza <i>n</i>	origin +INS: from (noth-	the way; non-n = what did the breaking	
ing, dust, etc)		sought out things to break	
hâ <i>n</i>	cloth	rimek <i>v</i>	P is a burden to A
hânu <i>n</i>	dog	rumek <i>v</i>	hunt
hârtek <i>v</i>	suspect	rumek <i>vn</i>	depend, rely on
hêk <i>n</i>	corner	rahe <i>n</i>	measure relation of met-
hêlde <i>n</i>	curve	ric (with ~ as a metric) Tšalyw-rahél	
<b>  r</b>		tawla lenekâl atúl fetatosoraka-	
uro <i>n</i>	blood	mađutro. Make me sing the song of the	
rettu <i>n</i>	self	person skilled at fighting.	
retvane <i>n</i>	automation	rúhlape <i>n</i>	wasteland
raka <i>n</i>	(good) taste	rahi <i>n</i>	good intention
rake <i>n</i>	spring	rehi <i>adv</i>	but rather Nŷr ħrales
reka <i>n</i>	number	kêl nûne, rehi nuvosħraw nûne. The	
ruko <i>n</i>	night	world does not end in fire, but rather in	
rakek <i>v</i>	touch <i>n</i> = accidental;	hair.	
non-n = intentional		rehu <i>n</i>	image, picture
rekko <i>n</i>	young person	ruha <i>n</i>	magical energy, passion
rikek <i>v</i>	function, work	rehen <i>n</i>	green
rakama <i>n</i>	story	rala <i>n</i>	sadness, sorrow
rase <i>n</i>	language	relu <i>n</i>	study of
		relak <i>n</i>	path, road, street
		rjulek <i>v</i>	entertain
		relkek <i>v</i>	to change, to be changed

relvek *v* be left, remain  
 reví *n* colour  
 ruve *n* trunk, outline, main idea  
 revet *n* white, pale  
 revekkensu *n* pink  
 reñek *v* bless (tr), succeed (intr)  
 redek *v* (A) belongs on (P)  
 râk *n* future  
 rêku *n* ritual, ceremony  
 rû *n* time, clock  
 rûna *n* wave  
 rûlu *adv* occasionally  
 rûnañâr *adv* in a few seconds lit.  
 across a wave

### | Š

šiki *n* dust, powder  
 šikus *n* poppy  
 šuna *n* time, occurrence For  
 brevity, it is not necessary to add the  
 temporal suffix. lykoj-šuna = soon  
 (within a short period)  
 šluhrenek *v* set free, loosen  
 šalrek *v* slay, slice  
 šluvisko *n* square root  
 šaňa *n* queue  
 šuýňek *n* drink, suck  
 šâg *n* orange

### | I

luý *n* detail  
 lepu *n* forest  
 leppa *n* feather, pen  
 lapane *n* beauty  
 lite *n* superfluous, frivolous, un-  
 necessary  
 lotek *v* marry (intr)  
 lutos *n* web  
 laki *n* salt  
 lykoj *n* next  
 laksun *adv* then, if that is the case,  
 therefore  
 lakan *n* above

lakanek *v* jump, rise, ascend  
 lenek *v* have, possess, hold, carry,  
 belong  
 lenka *n* house, family  
 lunek *v* sit  
 lonos *n* tea  
 luma *n* mouse, rat, rodent  
 lumek *v* read  
 lurek *v* give mercy  
 lerûna *n* tide  
 lušuhek *v* annoy, bother, irritate  
 lava *n* bread  
 luňa *n* speck  
 laňka *n* age, old  
 laňkašaňka *adv* a long time ago

### | V

vipse *n* obscure, not well-known  
 vupanek *v* guard, protect  
 vata *n* sequence, line (of things),  
 row  
 vitšek *v* (A) objects to (P)  
 vjuko *n* straightness, neatness  
 vasa *n* some place, there  
 vystek *v* consider (tr)  
 vesek *v* plan  
 visko *n* square, to the second  
 power  
 vane *n* light  
 vunú *n* stick, rod  
 vante *n* ivy pl. vantej  
 venek *v* write, scratch, draw  
 transitive  
 vanrek *vn* think, consider, ponder  
 [about ACC]  
 venrek *v* permit, allow  
 vaneňra *n* divine wisdom, erudi-  
 tion, profound knowledge  
 vemtek *v2x* give, receive  
 varu *n* lake  
 varwa *n* translation of a work from  
 another language to ĎR  
 viru *n* cloth, soft  
 vuýra *n* mold (fungus)



virte *n* special, unique, unusual  
 varnek *v* enjoy, like  
 vil- *prefix* fake, pseudo-  
 vilpanek *vn?* falsely see (see  
 panek for *n* vs. non-*n* usage)  
 vulek *v* hit, strike, beat, happen  
 vladek *v* wait  
 vlajdes *n* patience  
 veňek *v* (A) advances / attacks (P)  
 vžama *n* column, pillar  
 vžohir *n* fact, truth  
 vazek *v* act as a parasite, take ad-  
 vantage of, plunder  
 vydek *v* sever, cut away, execute  
 vadasi *n* carriage, chariot

## g

gane *n* beast, wild animal  
 genzu *n* crack  
 giru *n* lion  
 girek *v* tempt, attract  
 gires *n* whisker  
 galu *n* stone, rock  
 guli *n* ice  
 gejklek *v* catch, receive, under-  
 stand, accept, take  
 gedu *n* meat

## ñ

jaňa *n* duck  
 ñetra *n* unit of length equiv-  
 alent to shoulder-to-fingertip distance  
 (~0.75m)  
 ñekēkemew *n* diversity  
 ñarku *n* seed  
 ñevlek *v* have a cold

## d

daj *n* previous  
 dotek *vn* (P) asks (QUOT) to (ACC)  
 dukka *n* moon  
 denu *n* end, mouth of a river, last

dune *n* iron  
 danek *v* attempt, try  
 dunek *v* see, meet, intersect  
 danen *n* yellow  
 duname *n* that one yonder  
 dura *n* glue (as relation) with (a  
 body part, other attached)  
 drekke *n* cold  
 deref *n* dream  
 duzu *n* voice  
 dâba *n* bird of prey (e. g. falcon)

## b

buý *n* sufficient, enough  
 betanek *v* (P) escapes from (A)  
 batla *n* free  
 betlek *v2* fly, send, rush, throw,  
 toss, vote (for)  
 betlive *n* wing  
 bjuke *n* cover  
 bakar *n* note, message  
 benek *n* be at, reside, stand, live  
 berek *v* scare  
 bulu *n* length, long (space)  
 budek *v* tire, exhaust  
 bâ *n* relative pronoun Usually  
 not necessary.  
 bûn *n* cup

## ž

žuna *n* juice  
 žadek *v* (A) signs a promise with  
 (P)  
 žudek *v* live (vs die)  
 žŷr *n* life, liveliness

## z

zaki *n* west  
 zekku *n* rabbit  
 zana *n* oak  
 zany *n* robin  
 zanev *v* move

zelek *v* complete  
 zâre *n* spoon

## | ġ

ġenu *n* right  
 ġunek *v* torture, experiment, dis-  
 tress  
 ġedek *v* do what?

## | ģ

ġano *n* older sibling  
 ġraj *n* heat

ċrenek *v* place, lay, insert  
 ċruvek *v* evaluate, judge, inspect  
 ċôd *n* trend, fashion

## | ĥ

ĥakla *n* coarse, gravel  
 ĥovura *n* feeling, sentiment  
 ĥânek *v* owe, have to

## | â

âgna *n* each other