**Sound changes in Vórean languages**

**I. Major branches of Vórean**

**The sounds of Proto-Vórean**

**Consonants**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | *labial* | | *coronal* | | | *palatal* | | *velar* | | | *labiovelar* | | *glottal* | |
| *stops* | *nasal* |  | m |  |  | n |  |  |  |  |  |  |  |  |  |
| *oral* | p | b | tʰ | t | d |  |  | kʰ | k | g |  |  | ʔ |  |
| *sonorants* | *sibilant* |  |  | sʰ | s | z |  |  |  |  |  |  |  |  |  |
| *non-sib* |  |  |  | ɬ | l |  | j |  |  |  |  | w |  |  |

**Vowels**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | *front* | *central* | *back* |  |  |  |
| *high* | i |  | u |  |  |  |
| *mid* |  |  |  |  |  |  |
| *low* |  | a |  |  |  |  |

**Root structure:** monosyllabic **CVC**  or disyllabic **CVCVC** (stressed on either the first or second syllable).

Disyllabic roots stressed on the first syllable always contain two identical vowels.

**Suffixes:** some stressed -**V́(CCVC)**, **-CV́(CCVC)**, some ustressed **-V(CCV), -C(CV)**

Disyllabic roots stressed on the first syllable, contract before vocalic suffixes:

**CV́CVC** » **CV́CC-V**… , **CVCC-V́…**

**Word-medial consonant sandhi**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | -p | -b | -tʰ | -t | -d | -kʰ | -k | -g | -sʰ | -s | -z | -ɬ | -l | -m | -n | -j | -w | -ʔ |
| p- | pp | bb | ptʰ | pt | bd | kʰ | pk | bg | psʰ | ps | pz | pɬ | pl | pm | pn | pj | pw | pʔ |
| b- | bs | bz | bl | bl | mm | bn | bj | w | bʔ |
| tʰ- | tp | db | ttʰ | tt  *or*  ʦt | dd  *or*  ʣd | kʰ | tk | dg | tsʰ | ts | tz | tɬ | tɬ | tʰm | tʰn | tʰj | tʰw | tʰʔ |
| t- | dz | dl | tl | tm | tn | tj | tw | tʔ |
| d- | ds | dl | dm | dn | dj | dw | dʔ |
| kʰ- | kp | gb | ktʰ | kt | gd | kkʰ | kk | gg | ksʰ | ks | kz | kɬ | kɬ | kʰm | kʰn | kʰj | kʰw | kʰʔ |
| k- | gz | gl | kl | km | kn | kj | kw | kʔ |
| g- | gs | gl | gm | gn | gj | gw | gʔ |
| sʰ- | sp | sb | stʰ | st | sd | skʰ | sk | sg | ssʰ | ss | zz | ɬɬ | sl | sm | sn | sʰj | sʰw | sʰʔ |
| s- | zl | sj | sw | sʔ |
| z- | zp | zb | zt | zd | zk | zg | zl | zm | zn | zj | zw | zʔ |
| ɬ- | çp | ʝb | xtʰ | çt | ʝd | kʰ | çk | ʝg | ssʰ | ss | zz | ɬɬ | ll | çm | çn | xj | xw | ɬʔ |
| l- | lp | lb | ltʰ | lt | ld | lkʰ | lk | lg | lsʰ | ls | lz | lm | ln | lj | lw | lʔ |
| m- | mp | mb | ntʰ | nt | nd | ŋkʰ | ŋk | ŋg | msʰ | ms | mz | mɬ | ml | mm | mn | mj | ŋw | mʔ |
| n- | nsʰ | ns | nz | nɬ | nl | nm | nn | nj | nʔ |

**Reflexes in daughter languages**

**Consonants**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Pr. Vórean | Proto-Cont'l | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| p | p | p, pʰ [[1]](#endnote-1) | p, f | p, -Ø | f, p [[2]](#endnote-2), -p# | p > f |
| b | b | b, bʱ | b, v | β̞, b 2, -Ø̰ [[3]](#endnote-3) | b, -ʊ̯ |
| tʰ | t | t, tʰ | t, θ | t, -Ø | t | l |
| t | d | t |
| d | d | d, dʱ | d, ð | #ɻ-, Ø̰ 3, -ɝ# | l, d 2 |
| kʰ | k | k, kʰ | k, c [[4]](#endnote-4), x, ç 4 | k, tj 4, -Ø | k | x |
| k | g, -ɪ̯ | k |
| g | g | g, gʱ | g, ɟ 4, ɣ, ʝ 4 | ɰ, j 4, g 2, -Ø̰ 3 | ɣ, ŋ 2 |
| ʔ | Ø | Ø | Ø | Ø | Ø, -ːØ | ʔ-, Ø |
| sʰ | h, -s | Ø, -s | Ø, -s | Ø, -s, -Ø# | s | s |
| s | s | s | s | s, -Ø# | x, -ːØ | ç, -Ø |
| z | r | r | r | ɻ, -ɝ | z | s |
| ɬ | h, -ç | Ø | Ø | Ø, -s | ɕ | ç |
| l | l | l | l | n, -ɻ-, -ɝ | r~ɹ | ɾ |
| m | m | m | m | m, -n | m, -ŋ | m, -n |
| n | n | n | n | n | n | n |
| w | w | w | w | #Ø-, w-, β̞, -Ø̰ 3 | ʋ-, Ø | ʋ |
| j | j | j | j | #Ø-, j | ʑ-, Ø | ʝ |

**Vowels**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Pr. Vórean | Proto-Cont'l | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| a | a, ə [[5]](#endnote-5) | a, ə 5, Øʰ [[6]](#endnote-6), Ø [[7]](#endnote-7) | a, a#, ə 5, Ø 6+7 | a, ə 5, Ø 6+7 | ɐ, ə# | a |
| i | e | e, i [[8]](#endnote-8), Ø 6 | e, i 8, Ø 6 | e, i 8, Ø 6 | ɪ, -ʲØ# | y |
| u | o | o, u 8, Ø 6 | o, u 8, Ø 6 | a, ə 5, ɔ 8, Ø 6 | \*o > ɐ, ə# | y, ɔ [[9]](#endnote-9) |
| aʔ, aʔa | aː | aː | a(ː) | aː | \*aː > ɔː, aː# | a |
| iʔ, iʔi | iː | iː | i | i | ɛː | ɛ |
| uʔ, uʔu | uː | uː | u | u | ʊ | ɔ |
| ʔa | aː | aː | a(ː) | aː | ɐ, ə# | a |
| ʔi | iː | iː | i | i | ɪ, -ʲØ# | y |
| ʔu | uː | uː | u | u | \*o > ɐ, ə# | y, ɔ 9 |
| aj, aʔi | aj, e [[10]](#endnote-10), i [[11]](#endnote-11) | aj, e 10, i [[12]](#endnote-12) | aɪ, e 10, i 12, ɛː [[13]](#endnote-13) | ɛː, e 10, i 12 | e | ɛ |
| ij | ej, i [[14]](#endnote-14) | ej, i 6+14 | eɪ, i 6+14, ɛː [[15]](#endnote-15) | iː, i 6+14 | ɪ |
| uj | ój, wi | ój, wi | óɪ, wi | \*áɪ > ɛ́ː, #i-, wi | \*oj > \*aj > e | ɔy |
| aw, aʔu | aw, o 10, u 11 | aw, o 10, u 12 | aʊ, o 10, u 12, ɔː 13 | ɔ(ː), u 12 | o | ɔ |
| iw | éw, ju | éw, ju | éʊ, ju | \*áʊ > ɔ́(ː), #u-, ju | ʊ | ɛy |
| uw | ow, u 14 | ow, u 6+14 | oʊ, u 6+14, ɔː 15 | uː, u 6+14 | o | ɔ |

**Reflexes in morphology:** nouns

Nouns and adjectives in Proto-Vórean declined for three *numbers* (Singular, Dual and Plural) and five *cases* to serve grammatical function*:*

* ***Nominative case* —** the citation form of the noun, used for the *subject* of the phrase;
* ***Accusative case* —** the form used for the *direct object* of the verb in the phrase (e.g. "I ate an **apple**");
* ***Genitive case* —** denotes origin or possession (e.g. "I ate **Shelly's** apple", "Joseph of **Nazareth**");
* ***Oblique case* —** the form used for *indirect objects* of the verb in the phrase (e.g. "I went to a **meeting**");
* ***Vocative case* —** a vestigial case, used solely for exclamation (e.g. "Father!", "Oh God!". It had separate forms only in the Singular A-declension, otherwise being identical to the Nominative.

In daughter languages this system has varied considerably, according to the whims of each language's speakers. Thus, the Insular branch has merged the Dual and Plural numbers, and lost the Oblique and Vocative cases; Proto-Fysk re-organized the gender system and got rid of cases altogether; and Áltheran has added the Instrumental and Locative cases, and considerably crippled the Dual number.

Each noun in Proto-Vórean belonged to one of four noun classes, or *declensions*, each with its own declensional paradigm.

**A-Declension**

This was the "animate" declension. It contained most animate and spiritual objects, which were assigned to two grammatical *genders* — Masculine and Feminine. Each gender had its own endings in the Singular and Plural (with the same endings in the Dual), and associated adjectives had to agree with their noun in gender and number (see below).

Note that both Common Insular and Proto-Fysk had lost the distinction between the *Masculine* and *Feminine* Nominative endings through regular sound changes, which in turn triggered the complete loss of grammatical gender in Common Insular.

Proto-Fysk nouns, on the other hand, were subject to gender-based reclassification, in which all *Masculine* nouns were re-classed as A-type (with definite forms in \*-u > -ɔ) and all *Feminine* nouns were re-classed as IA-type (with definite forms in \*-i > -ɛ). Finally, the *Dual* number came to be used as *paucal* – i.e. for counting a small group / finite amout of an object, as opposed to *all* such objects (collective plural).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Sg. masc | *Nom* | -as | -əs | -əs | -ə/Ø [[16]](#endnote-16) | -aː | -a |
| *Acc* | -u | -o | -o | -ə | -ə |
| *Gen* | -ájdiʔ | -ájdiː | -áɪði, -ɛːði [[17]](#endnote-17) | -ɛ̰́ːʔi | -el(ɛː) | -ɛt(ɛ) [[18]](#endnote-18) |
| *Obl* | -aw | -aw | -aʊ | -ɔ(ː) | *— Nom. —* | *— Nom. —* |
| *Voc* | -i | -e | -e | -e |
| Sg. Fem | *Nom* | -aʔ | -a: | -a(ː) | -aː |  |  |
| *Acc* | -i | -e | -e | -e |
| *Gen* | -ájdiʔ | -ájdiː | -áɪði, -ɛːði 2 | -ɛ̰́ːʔi |
| *Obl* | -aj | -aj | -aɪ | -ɛː |
| *Voc* | -i | -e | -e | -e |
| Dual | *Nom* | -am | -ṃ | -ṃ | -ə̃ |  | -an |
| *Acc* | -iz | -er | -er | -ɝ | -ɪz |
| *Gen* | -ándiʔ | -ándiː | -ándi | -áɻi |  | -ántɛ 3 |
| *Obl* | -áʔmi | -áːme | -áme | -áme | *— Nom. —* | *— Nom. —* |
| Pl. Masc | *Nom* | -ájis | -ájes [[19]](#endnote-19), -iːs | -áɪs 4, -is | -i |  |  |
| *Acc* | -íjis | -éjes 4, -iːs | -éɪs 4, -is | -iː |
| *Gen* | -ájsiʔ | -ajsiː | -ɛːsi | -ɛːs |
| *Obl* | -an | -ṇ | -ṇ | -ə̃ |
| Pl. Fem | *Nom* | -áj | -aj | -aɪ | -ɛː | -eɪ | -ɛr [[20]](#endnote-20) |
| *Acc* | -ij | -ej | -eɪ | -iː |  |
| *Gen* | -ájsiʔ | -ajsiː | -ɛːsi | -ɛːs | -ex(ɛː) | -ɛ́ç(ɛ) 3 |
| *Obl* | -an | -ṇ | -ṇ | -ə̃ | *— Nom. —* | *— Nom. —* |

The A-Declension also had a slight variation for *iotated nouns*, i.e. those with a -j- extension to the root:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Sg. masc | *Nom* | -jas | -jəs | -jəs | -jə | -aː | -ʝa [[21]](#endnote-21) |
| *Acc* | -ju | -jo | -jo | -ə | -ə |
| *Gen* | -jájdiʔ | -jájdiː | -jáði, -jað 2 | -jɛ̰́ːʔi | -el(ɛː) | -ʝɛt(ɛ) 3+6 |
| *Obl* | -jaw | -jaw | -jaʊ | -jɔ(ː) | *— Nom. —* | *— Nom. —* |
| *Voc* | -ji | -je | -je | -e |
| Sg. Fem | *Nom* | -jaʔ | -ja: | -ja(ː) | -jaː |  |  |
| *Acc* | -ji | -je | -je | -e |
| *Gen* | -jájdiʔ | -jájdiː | -jáði, -jað 2 | -jɛ̰́ːʔi |
| *Obl* | -jaj | -jaj | -jaɪ | -jɛː |
| *Voc* | -ji | -je | -je | -e |
| Dual | *Nom* | -jam | -jəm | -jəm | -jən |  | -ʝan 6 |
| *Acc* | -jiz | -jer | -jer | -jɝ | -ɪz |
| *Gen* | -jándiʔ | -jándiː | -jándi | -jáɻi |  | -ʝántɛ 3+6 |
| *Obl* | -jáʔmi | -jáːme | -jáme | -jáme | *— Nom. —* | *— Nom. —* |

*Continued on next page* ⮱

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Pl. Masc | *Nom* | -jájis | -jájes 4, -jiːs | -jáɪs 4, -jis | -i |  |  |
| *Acc* | -jéjis | -jéjes 4, -jeːs | -jes | -jɛː |
| *Gen* | -jájsiʔ | -jajsiː | -jɛːsi | -jɛːs |
| *Obl* | -jan | -jən | -jən | -jən |
| Pl. Fem | *Nom* | -jáj | -jaj | -jaɪ | -jɛː | -eɪ | -ʝɛr 6 |
| *Acc* | -jej | -jej | -jeɪ | -jɛː |  |
| *Gen* | -jájsiʔ | -jajsiː | -jɛːsi | -jɛːs | -ex(ɛː) | -ʝɛ́ç(ɛ) 3+6 |
| *Obl* | -jan | -jən | -jən | -jən | *— Nom. —* | *— Nom. —* |

**I-Declension**

This declension contained mostly natural forces and phenomena, and some abstract action nouns. It had no grammatical gender, thus I-nouns in daughter languages from the Continental branch were mostly considered Neuter. Áltheran re-classed some of these as –IS nouns, by adding them an –s ending in the Nominative Singular, and has sporadically assigned them to either *masculine* or (more commonly) *feminine* gender. In later times, –IS nouns began to be used as derivatives from –AS nouns.

In Fysk, I-Declension came to be used for the *definite* forms of the Feminine declension (–IA) and Neuter declension (consonant) nouns.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Singular | *Nom* | -iʔ | -iː | -is, -i | -i | -ɛː | -ɛ |
| *Acc* | -u | -o | -o | -ə | -ə |
| *Gen* | -íjdiʔ | -éjdiː 4, -idiː | -iði 2 | -iː | -ɪl(ɛː) | -ɛt(ɛ) 3 |
| *Obl* | -iw | -ju | -ju | -ju | *— Nom. —* | *— Nom. —* |
| Dual | *Nom* | -im | -em | -em | -en |  | -yn |
| *Acc* | -uz | -or | -or | -oɝ | -ɐz |
| *Gen* | -índiʔ | -éndiː | -éndi | -éɻi |  | -ýntɛ 3 |
| *Obl* | -íʔmi | -íːme | -íme | -íme | *— Nom. —* | *— Nom. —* |
| Plural | *Nom* | -íjis | -éjes 4, -iːs | -éɪs 4, -is | -iː | -ɪ | -ɛr 5 |
| *Acc* | -újis | -ójes 4, -wiːs | -óɪs 4, -wis | -wi |  |
| *Gen* | -íjsiʔ | -ejsi | -isi | -is | -ɪx(ɛː) | -ɛ́ç(ɛ) 3 |
| *Obl* | -jan | -jən | -jən | -jən | *— Nom. —* | *— Nom. —* |

**U-Declension**

This declension contained mostly inanimate objects, as well as abstract concepts. Like the I-Declension, it had no grammatical gender.

In Fysk, U-Declension came to be used for the *definite* forms of A-Declension Masculine (i.e. –A) nouns.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Singular | *Nom* | -uʔ | -uː | -u | -u | -ʊ | -ɔ |
| *Acc* | -uj | -ój 4, -wi | -óɪ 4, -wi | -wi | -e |
| *Gen* | -újdiʔ | -ójdiː 4, widiː | -wiði 2 | -wiː | -el(ɛː) | -ɔ́ytɛ 3 |
| *Obl* | -uw | -ow | -oʊ | -uː | *— Nom. —* | *— Nom. —* |
| Dual | *Nom* | -um | -om | -om | -on |  | -ɔn |
| *Acc* | -újiz | -ójer 4, -wiːr | -wir | -wiɝ | -eɪz |
| *Gen* | -úndiʔ | -óndiː | -óndi | -óɻi |  | -ýntɛ 3 |
| *Obl* | -úʔmi | -úːme | -úme | -úme | *— Nom. —* | *— Nom. —* |
| Plural | *Nom* | -újis | -ójes 4, -wiːs | -óɪs 4, -wis | -wi | -eɪ | -ɔr 5 |
| *Acc* | -újis | -ójes 4, -wiːs | -óɪs 4, -wis | -wi |  |
| *Gen* | -újsiʔ | -wisiː | -wisi | -wis | -ex(ɛː) | -ɔ́yçɛ 3 |
| *Obl* | -wan | -wən | -wən | -wən | *— Nom. —* | *— Nom. —* |

The U-Declension also had a slight variation for *iotated nouns*, i.e. those with a -j- extension to the root:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk [[22]](#endnote-22) |
| Singular | *Nom* | -juʔ | -juː | -ju | -ju | -ʊ | *— none —* |
| *Acc* | -juj | -jój | -jo | -i | -e |
| *Gen* | -jújdiʔ | -jójdiː | -jóði 2 | -jɛ̰́ːʔi | -el(ɛː) |
| *Obl* | -juw | -jow | -joʊ | juː | *— Nom. —* |
| Dual | *Nom* | -jum | -jom | -jom | -jon |  |
| *Acc* | -jújiz | -jójer 4, -jiːr | -jer | -jɝ | -eɪz |
| *Gen* | -júndiʔ | -jóndiː | -jóndi | -jóɻi |  |
| *Obl* | -júʔmi | -júːme | -júme | -júme | *— Nom. —* |
| Plural | *Nom* | -jújis | -jójes 4, -jiːs | -jós 4, -jes | -i | -eɪ |
| *Acc* | -jújis | -jójes 4, -jiːs | -jós 4, -jes | -i |  |
| *Gen* | -jújsiʔ | -jójsiː | -jósi | -jɛːs | -ex(ɛː) |
| *Obl* | -jan | -jən | -jən | -jən | *— Nom. —* |

**Consonant Declension**

This declension contained some verbal nouns, most uncountables and some kinship terms and geographical features. Like the I- and U-Declensions, it had no grammatical gender.

In Proto-Fysk, it was defined the Neuter declension, and shared its *definite* forms with the Feminine declension (i.e. the former I-Declension).

In Áltheran, nouns and adjectives were only allowed to end either in vowels or in -r, -l, -m, -n, -w, -j, -θ or –s, thus all consonant nouns *not* ending with one of these, were suffixed with –s.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Singular | *Nom* | -Ø | -Ø | -s, -Ø | -ə, -Ø 1 | -Ø | -Ø |
| *Acc* | -a | -ə | -a | -ə | -ə |
| *Gen* | -idiʔ | -ediː | -eði 2 | -eʔi | -ɐl(ɛː) | -yt(ɛ) 3 |
| *Obl* | -u | -o | -o | -ə | *— Nom. —* | *— Nom. —* |
| Dual | *Nom* | -am | -ṃ | -ṃ | -ə̃ |  | -an |
| *Acc* | -uz | -or | -or | -oɝ | -ɐz |
| *Gen* | -índiʔ | -éndiː | -éndi | -éɻi |  | -ýntɛ 3 |
| *Obl* | -ami | -əme | -(ə)me | -áme | *— Nom. —* | *— Nom. —* |
| Plural | *Nom* | -is | -es, -i 4 | -es, -i 4 | -e | -ɪ | -yr 5 |
| *Acc* | -is | -es | -es | -e |  |
| *Gen* | -siʔ | -siː | -si | -s | -ɐx(ɛː) | -çɛ 3 |
| *Obl* | -an | -ṇ | -ṇ | -ə̃ | *— Nom. —* | *— Nom. —* |

**Reflexes in morphology:** adjectives

Adjectives in Proto-Vorean followed a similar declensional pattern to nouns. In a sentence, they were placed after the noun they described, and had to agree with it in *case* and *number*, and for A-Declension adjectives — also in *gender*. Each adjective in Proto-Vorean inherently belonged to one of the declensional groups.

Both Common Insular and Proto-Fysk had moved adjectives in front of their nouns, imposing strict word order in all cases. That allowed them to discard of *case*, *gender* and *number* agreement in adjectives.

**A-Declension adjectives**

This was by far the largest group of adjectives, containing most "common" adjectives such as colors, moods, qualitative descpitions etc., as well as verbal adjectives (active and passive participles, gerundives and potentials). It had gender agreement with nouns in the Singular number, meaning that Masculine A-nouns received the *masculine* form of the adjective; Feminine A-nouns received the *feminine* form; while I, U and Consonant nouns received the *neuter* form. However, Dual and Plural forms were identical for all genders.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Sg. masc | *Nom* | -u | -o | -o | -ə | \*-ə > -Ø | -Ø |
| *Acc* | -a | -ə | -a | -ə |
| *Gen* | -is | -es | -es | -e |
| *Obl* | -aw | -aw | -aʊ | -ɔ(ː) |
| Sg. Fem | *Nom* | -a | -ə | -a | -ə |  |  |
| *Acc* | -i | -e | -e | -e |
| *Gen* | -as | -əs | -əs | -ə |
| *Obl* | -aj | -aj | -aɪ | -ɛː |
| Sg. Neut | *Nom* | -i | -e | -e | -e |  |  |
| *Acc* | -u | -o | -o | -ə |
| *Gen* | -is | -es | -es | -e |
| *Obl* | -aw | -aw | -aʊ | -ɔ(ː) |
| Dual | *Nom* | -am | -ṃ | -ṃ | -ə̃ |  |  |
| *Acc* | -uz | -or | -or | -oɝ |
| *Gen* | -in | -en | -en | -en |
| *Obl* | -áʔmi | -áːme | -áme | -áme |
| Plural | *Nom* | -aj | -aj | -aɪ | -ɛː | \*-eɪ > -Ø | \*-ɛ > -Ø |
| *Acc* | -ij | -ej | -eɪ | -iː |
| *Gen* | -ájsiʔ | -ajsiː | -ɛːsi | -ɛːs |
| *Obl* | -an | -ṇ | -ṇ | -ə̃ |

**I-Declension adjectives**

This declension contained, among others, adjectives denoting origin, adverbs of manner, possessives in   
‒I/YKĪ, genitive adjectives in ‒NDĪ and ‒SĪ, and qualitatives (akin to English *–ful* adjectives) in ‒SI. It had no gender agreement, thus the form of the adjective was identical for all noun types.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Singular | *Nom* | -iʔ | -iː | -i | -i | -ɛː | -ɛ |
| *Acc* | -ju | -jo | -jo | -ə |
| *Gen* | -íjis | -iːs | -is | -iː |
| *Obl* | -iw | -ju | -ju | -ju |
| Dual | *Nom* | -im | -em | -em | -en |  |  |
| *Acc* | -uz | -or | -or | -oɝ |
| *Gen* | -jin | -jen | -jen | -jen |
| *Obl* | -íʔmi | -íːme | -íme | -íme |
| Plural | *Nom* | -ij | -ej | -eɪ | -iː | -ɪ | -ɛ |
| *Acc* | -jis | -jes | -jes | -je |
| *Gen* | -íjsiʔ | -ejsiː | -isi | -is |
| *Obl* | -jan | -jən | -jən | -jən |

**Consonant Declension adjectives**

This declension contained, among others, adjectives of composition –ÁN, –AN and –UN, comparatives in   
–ÍZ, superlatives in –ÍS, adjectives of likeness in -IG/YAG, adjectives of manner in –ŪS, adjectives of origin in –IÚN, and agentive participles in –AL and –IL.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Singular | *Nom* | -Ø | -Ø | -s, -Ø | -ə, -Ø [[23]](#endnote-23) | -Ø | -Ø |
| *Acc* | -a | -ə | -a | -ə |
| *Gen* | -is | -es | -es | -e |
| *Obl* | -i | -e | -e | -e |
| Dual | *Nom* | -am | -ṃ | -ṃ | -ə̃ |  |  |
| *Acc* | -uz | -or | -or | -oɝ |
| *Gen* | -in | -en | -en | -en |
| *Obl* | -ami | -əme | -(ə)me | -áme |
| Plural | *Nom* | -is | -es, -i [[24]](#endnote-24) | -es, -i 2 | -e | -ɪ | -y |
| *Acc* | -is | -es | -es | -e |
| *Gen* | -siʔ | -siː | -si | -s |
| *Obl* | -an | -ṇ | -ṇ | -ə̃ |

**Reflexes in morphology:** pronouns

Just as nouns and adjectives, pronouns in Proto-Vorean also declined for *case* and *number* (and in the third person, also *gender*). Unlike nouns and adjectives, they had no distinct Dualforms, and agreed in number with the *verb* of the phrase.

**Personal pronouns**

In addition to the four regular cases, had distinct *clitic* forms which served either as Genitive / Possessive (if suffixed to a *noun*) or as Accusative (if suffixed to a *verb*).

Proto-Fysk has retained the distinction between Nominative and Accusative cases for pronouns.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| 1st Singular | *Nom* | niʔ | niː | ni | ni | nɛː | nɛ |
| *Acc* | níwa | néwə | newá | néβ̞ə | \*nɪə > niː | \*niw > nɛy |
| *Gen* | nániʔ | nániː | náni | náni | nɐ́nɛː | nánɛ |
| *Obl* | niw | new | neʊ | nɔ(ː) |  |  |
| *Clitic* | -(a)niʔ [[25]](#endnote-25) | -(ə)niː | -(ə)ni | -(ə)ni |

*Continued on next page* ⮱

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk [[26]](#endnote-26) |
| 1st Prural | *Nom* | min | men | men | men | mɪn | myn |
| *Acc* | mijín | mjen | mjen | men | mɛːn | mɛn |
| *Gen* | míniʔ | méniː | méni | méni | mɪ́nɛː | mýnɛ |
| *Obl* | mánsiʔ | mṇsíː | mṇ́si | \*mə̃si > mási |  |  |
| *Clitic* | -(a)min 1 | -(ə)men | -(ə)men | -(ə)men |
| 2nd Singular | *Nom* | kuj | koj | koɪ | kɛː | ge | xɔy |
| *Acc* | kúwa | kówa | kowá | káβ̞ə | gaː | \*kʰuw > xɔ |
| *Gen* | kújniʔ | kójniː | kóɪni | kɛ́ːni | génɛː | xɔ́ynɛ |
| *Obl* | kiw | kew | keʊ | kɔ(ː) |  |  |
| *Clitic* | -(a)kiʔ 1 | -(ə)kiː | -(ə)ki | -(ə)ki |
| 2nd Prural | *Nom* | kúwin | kówen | kowén | \*káβ̞en > ka̰n | gɐ́ɪn | \*xýʋyn > kyn |
| *Acc* | kújin | kójen | kojén | \*kájen > kaɪn | gɐ́ɪn | \*xýʝyn > kyn |
| *Gen* | kuwíniʔ | kwéni | kwéni | \*kwéni > kéni | gɐ́ɪnɛː | \*xyʋýnɛ > kýnɛ |
| *Obl* | kuwánsiʔ | kwánsi | kwánsi | \*kwánsi > kási [[27]](#endnote-27) |  |  |
| *Clitic* | -(a)kin 1 | -(ə)ken | -(ə)ken | -(ə)ken |
| 3rd Sg. Masc | *Nom* | tuj | toj | toɪ | tɛː | de | lɔy |
| *Acc* | túwa | tówa | towá | táβ̞ə | daː | \*tʰuw > lɔ |
| *Gen* | tújniʔ | tójniː | tóɪni | tɛ́ːni | dénɛː | lɔ́ynɛ |
| *Obl* | tiw | tew | teʊ | tɔ(ː) |  |  |
| *Clitic* | -(a)tiʔ 1 | -(ə)tiː | -(ə)ti | -(ə)ti |
| 3rd Sg. Fem | *Nom* | taj | taj | taɪ | \*tɛː > taː [[28]](#endnote-28) |  | lɛ |
| *Acc* | tíja | téja | téja | téjə | \*tʰij > lɛ |
| *Gen* | tájniʔ | tájniː | táɪni | tɛ́ːni | lɛ́nɛ |
| *Obl* | tij | tej | teɪ | tiː |  |
| *Clitic* | -(a)tiʔ 1 | -(ə)tiː | -(ə)ti | -(ə)ti |
| 3rd Sg. Neut | *Nom* | ti | te | te | te |  | ly |
| *Acc* | tu | to | to | to | ly |
| *Gen* | túniʔ | tóniː | tóni | táni | lýnɛ |
| *Obl* | tuw | tow | toʊ | tuː |  |
| *Clitic* | -(a)tiʔ 1 | -(ə)tiː | -(ə)ti | -(ə)ti |
| 3rd Prural | *Nom* | tin | ten | ten | ten | dɪn | lyn |
| *Acc* | tijín | tjen | tjen | ten | dɛːn | lɛn |
| *Gen* | tíniʔ | téniː | téni | téni | dɪ́nɛː | lýnɛ |
| *Obl* | tánsiʔ | tṇsíː | tṇ́si | \*tə̃si > tási |  |  |
| *Clitic* | -(a)tin 1 | -(ə)ten | -(ə)ten | -(ə)ten |
| Reflexive | *Nom* | si | se | se | se | xɪ | sy |
| *Acc* | súwa | sówa | sowá | sáβ̞ə | xaː | \*suw > sɔ |
| *Gen* | síniʔ | séniː | séni | séni | xɪ́nɛː | sýnɛ |
| *Obl* | siw | sew | seʊ | sɔ(ː) |  |  |
| *Clitic* | -(a)siʔ 1 | -(ə)siː | -(ə)si | -(ə)si |

**################## #################**

**Interrogative pronouns** (who/what/which):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CASE** | | **Proto-Vórean** | **Proto-Fysk** | **Proto-Insular** | **Common Cont.** | **Áltheran** |
| SINGULAR | *Nom* | kɪj | ky | gɪ | keɪ | ke, ske [[29]](#endnote-29) |
| *Acc* | kɪ́jʊw | kɛ́ʝɔ | gɪ́ʒʊ | kéjow | kejóʊ, skejóʊ |
| *Gen* | ki | ky | gɪ | ki | ki, ski |
| *Obl* | kɪ́ju |  | gɪ́ʒʊ | kéju | kejú, skéju |
| PLURAL | *Nom* | kɪjn | kyn | gɪn | kéjn | keɪn, skeɪn |
| *Acc* | kɪjs | kyr | gɪs | kéjs | kes, skes |
| *Gen* | ki | ky | gɪ | ki | ki, ski |
| *Obl* | kɪ́jan |  | gɪ́ʒɐn | kéjan | keján, skeján |

**Qualitative pronouns** (how/which):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CASE** | | **Proto-Vórean** | **Proto-Fysk** | **Proto-Insular** | **Common Cont.** | **Áltheran** |
| PROXIMAL | *Nom* |  |  |  |  |  |
| *Acc* |  |  |  |  |  |
| *Gen* |  |  |  |  |  |
| *Obl* |  |  |  |  |  |
| DISTAL | *Nom* |  |  |  |  |  |
| *Acc* |  |  |  |  |  |
| *Gen* |  |  |  |  |  |
| *Obl* |  |  |  |  |  |

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**Reflexes in morphology:** verbs

Verbs in Proto-Vórean conjugated for three *persons*, three *numbers* (Singular, Dual and Plural), two *tenses* (Present and Past), three grammatical *aspects* (Imperfective, Perfective and Perfect), four *moods* (Indicative, Subjunctive, Optative and Imperative), and three *voices* (Active, Mediopassive and Reflexive). In addition each verb had regularly-derived *verbal nouns* and *verbal adjectives*.

Verbs belonged in one of two categories, or *conjugations*: ***Thematic*** — with the verbal stem ending in a vowel, and ***Athematic*** — with the verbal stem ending in a consonant, each with its own set of endings.

Verb conjugation could further be broken into two "systems", each characterized by its own conjugational pattern, using a different set of personal endings: the *Present system* and the *Aorist system*.

Personal verb endings in Proto-Vorean:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Person***↓ | *Present system* | | *Aorist system* | |
| *Athematic* | *Thematic* | *Athematic* | *Thematic* [[30]](#endnote-30) |
| *1st Singular* (I) | -u | -w | -an | -ni |
| *2nd Singular* (thou) | -is | -s | -iʔ | -si |
| *3rd Singular* (he/she/it) | -it | -t | -Ø, -a [[31]](#endnote-31) | -j |
| *1st Dual* (both of us) | -wu | -wu | -aw | -wi |
| *2nd Dual* (both of you) | -iti | -ti | -ij | -ji |
| *1st Plural* (we) | -imu | -mu | -umu | -mi |
| *2nd Plural* (you) | -ítis | -tis 1 | -áti | -sti |
| *3rd Plural* (they) [[32]](#endnote-32) | -ínti | -nti 1 | -ánti | -jti |

**The Present system**

This included all actions and events related to the present or future times, as well as verbal nouns and adjectives addressing the *fact* or *participant(s)* of an action or event:

* ***Present*** (imperfective) — expressed actions ongoing in the present (or bound to happen in the visible future, using a time determiner such as *"tomorrow"*), habitual actions (e.g. *"it rains",* "*he teaches English*") and gnomic truths (e.g. "*the sun sets in the west*");
* ***Optative*** — expressed wishes, hopes and calls for action (e.g. *"they shall succeed!"*, *"may we meet again!", "the devil take you!"*). Formed by extending the stem with *–w–* , and always conjugated as an athematic stem. In some daughter languages, it has become the regular way to express Future tense;
* ***Supine*** — was a special verb form expressing purpose, and mainly used as the dependent part of a verb phrase (e.g. *"I went out to play*"). It was also used as a shorthand for *Optative* or *Subjunctive* subordinate clauses, when the subject of the main and subordinate clause would be the same (e.g.   
  "*I hope to see you*", "*She would like to sing*"). From the latter use, it has evolved into the ***Infinitive*** in many of the daughter languages. Formed by suffixing *–di* to the stem (*–idi* for athematic stems);
* ***Gerunds*** — verbal nouns denoting the action of the verb. Proto-Vórean had two varieties: the *participle gerund* in *–jaʔ* (thematic in *–njaʔ*) denoting the simple action or the subject involved in the action (like English ­*–ing* nouns), and the *processual gerund* in *–waʔ* (or  *–baʔ* with some verbs) denoting the process of the action (somewhat alike English *–ment* nouns such as "*shipment*", "*treatment*");
* ***Gerundives*** — verbal adjectives describing the participant(s) of the action, without describing any kind of agent/patient relationship. There were two interchangeable forms of Gerundive, both declined as A-declension adjectives: one in  *–nd–* and the other in  *–jk–* (*–índ–* and *–ik–* for athematic stems);
* ***Agent nouns*** — verbal nouns describing the active participant(s) of the action, whether the initiator or enabler of the action (in *–l*, *–al*, *–il*, *–las/laʔ*), the instrument used to perform the action (in *–luʔ*), a habitual or contractive perpetrator of the action (in *–zas/zaʔ*) or a person/thing related to the action in a non-passive way, similarly to the gerundive (in *–kjas/kjaʔ*).

**The Aorist system**

This included all actions and events related to the past tense, as well as verbal nouns and adjectives addressing the *consequences* of an action or event:

* ***Aorist*** (perfective) — also called ***Preterite***or ***Past simple***,expressed events in the past that were viewed as a single whole, without regard to their internal structure. It used a different set of endings from the Present system;
* ***Imperfect*** —expressed a continuous or habitual action in the past (e.g. *"I was walking"*, *"he used to live here"*). Formed by extending the stem with *–j–* , and always conjugated as an *athematic* stem, using Aorist endings;
* ***Perfect*** — also called the ***Th-perfect***, expressed a completed action which occurred in the past, and may have results in the present (e.g. *"I have arrived"*). Formed by extending the stem with *–tʰ–*   
  ( *–ʔtʰ–* for thematic stems) and always conjugated as an *athematic* stem, using Aorist endings. Some of the daughter languages, notably the Erdahalión branch, have turned it into a simple Past tense;
* ***Subjunctive*** — expressed events which did not occur (*Irrealis*), and are either a lost case or deemed by the speaker as having a slim possibility of occurring, usually accompanied by a *conditional clause* (e.g. *"I would go if I were you"*, *"you should have acted"*). Like the Optative forms, formed by extending the stem with *–w–* , but with Aorist endings instead, and always conjugated as an athematic stem;
* ***Passive participle*** — verbal adjective describing the patient, or the receiving end, of the action (e.g. *"he is beaten"*). Declined as an A-declension adjective, and formed by suffixing *–tʰ–* to the verbal stem for athematic stems, or *–ʔtʰ–* for thematic stems;
* ***Potential participle*** — verbal adjective describing a *potential* patient of an action, one being able to receive it (akin to the English endings ­*–able*/*ible* or the Spanish *–ndo*/*nda*). Declined as an A-declension adjective, and formed by suffixing *–im–* for athematic stems, or  *–jm–* for thematic stems;
* ***State noun*** — verbal noun describing the state of an action, seeing it as a new gestalt entity, thus different from the Gerund (e.g. the stem *\*nik-* *"fight"* yields the gerund *\*níkya "fighting"* and the state noun *\*nígzū "war"*). Formed by suffixing *–zuʔ* to the verbal stem;
* ***Result noun*** — verbal noun describing the result of an action, seeing it as a new gestalt entity (e.g. the stem *\*pak-* *"speak"* yields *\*pákman "speech"*). Formed by suffixing *–man* to the verbal stem;
* ***Instance nouns*** — verbal nouns describing instances, or small parts, of either the state or the result of an action, as being somehow separate from their "parent" entity (e.g. *\*pákdī* *"word"* from the stem *\*pak-* *"speak"*). Formed by suffixing *–ɬaʔ*,  *-diʔ*, or  *–muʔ* to the verbal stem, depending on the verb and the specific nuance in meaning.

**Mediopassive voice**

The Mediopassive was used for both *Passive voice,* expressingthe result of an action performed on the subject (e.g. *"the lamp was broken"*), and the *Middle voice*, denoting intransitivity with an implied passive meaning (e.g. *"the lamp broke"* — i.e. in itself, it is unknown who broke it), with the Middle-voice element being the dominant one. It was also used for expressing *benefit, reflexivity* (carrying an action onto oneself*)* or *inchoative* meaning(becoming, turning into a different state) for some verbs, somewhat overlapping in function with the Reflexive voice and the Frequentatives, thus very similar in function to Hebrew *nifʻal* or Arabic *infaʻla (VII, "anticausative")* forms.

Formed by extending the base stem with  *–ma–*  and conjugated as a thematic A-stem.

A large group of verbs, called ***deponent verbs***, virtually all of them from monosyllabic roots, had their conjugation form in the Mediopassive voice but with *active* meaning, often with an entirely separate meaning from the parallel Active voice, i.e. base stem, conjugation (e.g. *\*shik-* *"go, walk"* vs. *\*shíkma-* *"suffer, agonize"*).

**Reflexive voice**

The Reflexive was used to express an action carried onto oneself, a *reciprocal* action (carried back-and-forth between two or more subjects), or an *autocousative* action (where the subject combines the activity of an agent and undergoes a change of state as a patient, e.g. *"he gets angry"* — i.e. by angering himself). It could also be used to express Mediopassive meaning as above, and indeed some of the daughter langauges have merged the two voices. Very similar in function to the Romance and Slavic *–si/sja* reflexive, or the Hebrew *hitpaʻel* and Arabic *iftaʻala (VII), tafaʻʻala (V)* or *tafāʻala (VI)* forms.

Formed by extending the base stem with  *–sa–*  and conjugated as a thematic A-stem.

**Derivative verbs**

These included verbs conjugated using stems derived from basic verbal stems, providing different kinds of alteration in meaning:

* ***Semelfactive*** — also called the ***N-Perfect***,expressed a *sudden* or *punctillar* event, or otherwise a completed action. In the past tense, it was largely interchangeable with the *Th-Perfect* and some of the daughter languages have turned it into a simple Past tense of the base verb. In the present tense, it expressed Semelfactive actions bound to happen in the very near or immediate *future*. Formed by extending the basic stem with  *–n–* ( *–ni–* before consonants), with thematic stems usually shifting the stress to the endings;
* ***Habitual*** — expressed an *atelic* action, i.e. not oriented towards one goal, generic or habitual in nature (e.g. *"I travel to France once a year"* or *"I travel back and forth"* as opposed to *"I am traveling to France right now"*). Formed from Athematic stems by conjugating them as Á-stems stressed on the thematic vowel, and from Thematic stems by inserting  *–iw–* before the thematic vowel;
* ***Frequentatives*** — expressed *intensity, iteration* (over and over)or *habit*, akin to English phrasal verbs such as *“*to X *about*”, *“*to X *around*”, “to *go* X-*ing*” or verbs such as *"chatter"* (from *"chat"*) and *"sparkle"* (from *"spark"*). Formed using various thematic extensions to the basic stem, including *–tá–* or *–itá–* (regular frequentatives), *–sí–* or  *–sitá–*  (inchoative frequentatives), *–lá–* or *–zá–* (habitual frequentatives);
* ***Causative*** — expressed *causing, enabling* or *forcing* an action to be carried, or otherwise rendering something passive. Formed in one of two ways:

1. By changing the *root vowel* (the second vowel if the root had two) and conjugating as a thematic I-stem, according to the following pattern: **CaC-** »  **CajCi-** ,  **CiC-** » **CaCi-**  and  **CuC-** » **CiCi-** ;
2. By extending the base stem with  *–maná–* (from Result nouns, less popular);

* ***Inchoative*** — expressed *becoming* or turning into a state, similarly to the English ending *–en* (e.g. *"red"* » *"redden"*). Most often derived from nouns and ajdectives, with the inchoative Frequentatives (see above) being the preferred derivation from verbs. Formed by conjugating as Í-stems stressed on the thematic vowel.
* ***Intensive*** — expressed *intensity, forcefulness* or *definiteness* of the action described. Could also convey *punctuality* as with the N-Semelfactive above. Formed in one of three ways:

1. By *infixing –n–*  beforethe final consonant of the root. Verbs formed this way, both thematic and athematic, were treated similarly to ***nasalized stem*** verbs (see section below), and had the infix assimilate with the following consonant, *doubling it*, in the aorist system;
2. By *infixing –s–*  beforethe final consonant of the root. Verbs formed this way, both thematic and athematic, were treated similarly to ***sigmated stem*** verbs (see section below), and had the infix undergo *metathesis* with the following consonant before -t, -tʰ, -d, -k, -b, -m or -n;
3. By conjugating as Ú-stems stressed on the thematic vowel.

**Defective verbs**

A small group of verbs had an incomplete conjugation, with some forms or tenses missing. The best-known class of defective verbs was the so-called ***preterite-present verbs***, which lacked the Present system altogether, instead using the Aorist with a present *meaning* — these were mostly auxiliary modal verbs. Consequentially, they lacked gerunds, gerundives, agent nouns and supine form. Past meanings and the other missing parts for such verbs could still be formed by using the *result noun* + the appropriate form of the verb *\*shiw-* (*"be"*).

**Suppletive verbs**

Another small group of verbs had formed the Aorist system using an *entirely different stem*. For example, the verb *\*ziw-* *"live"* used an alternative stem *\*zas-* with Aorist endings; and the verb *\*ʔiz-* *"go, travel"* used the alternative stem *\*pad-* (which also formed the regular Present system of a separate verb with a different meaning *"wander"*).

**Thematic conjugation**

**Thematic A-stems**

*— REALIS FORMS —*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Present | *1 sg* | -aw | -aw | -aʊ | -ɔ(ː) | -o | -a |
| *2 sg* | -as | -əs | -əs | -ə | -aː |
| *3 sg* | -at | -ət | -ət | -ə | -ɐ(d) |
| *1 du* | -awu | -əwo | -əwo | -əβ̞ə |  |  |
| *2 du* | -ati | -əte | -əte | -əte |
| *1 pl* | -amu | -əmo | -əmo | -əmə | \*-ɐmə > -ɐm | -amɔ |
| *2 pl* | -átis | -átes | -átes | -áte | -ɐdʲ | -aty |
| *3 pl* | -ánti | -ánte | -ánte | -ánte | -ɐndʲ |
| Aorist | *1 sg* | -áni | -áne | -án | -áne | -ɐnʲ | *— N/A —* |
| *2 sg* | -ási | -áse | -ás | -áse | -ɐxʲ |
| *3 sg* | -áj | -áj | -áɪ | -ɛː | -e |
| *1 du* | -áwi | -áwe | -áwi | -áβ̞e |  |
| *2 du* | -áji | -áje | -áje | -áje |
| *1 pl* | -ámi | -áme | -ám | -áme | -ɐŋʲ |
| *2 pl* | -ásti | -áste | -áste | -áste | -ɔːdʲ |
| *3 pl* | -ájti | -ájte | -áɪte | -ɛ́ːte | -edʲ |
| Imperfect | *1 sg* | -ájan | -ájn | -áɪn | -ájə̃ | *— N/A —* | -áʝɛ |
| *2 sg* | -ájiʔ | -ájeː | -ájɛː | -ájɛː |
| *3 sg* | -ája | -ájə | -ája | -ájə |
| *1 du* | -ájaw | -ájəw | \*-ájaʊ > -ájɔː | -ájɔː |  |
| *2 du* | -ájij | -ájej | \*-ájeɪ > -ájɛː | -ájɛː |
| *1 pl* | -ájumu | -áj(u)mo | -áɪmo | -ɛ́ːmə | -áymɔ |
| *2 pl* | -ajáti | -ájte | -áɪte | -játe | -áyty |
| *3 pl* | -ajánti | \*-ájnte > -ínte | -ínte | -jánte |
| Perfect | *1 sg* | -áʔtʰan | -áːtṇ | \*-atṇ > -ato [[33]](#endnote-33) | *— N/A —* | *— N/A —* | -al |
| *2 sg* | -áʔtʰiʔ | -áːtiː | -ati |
| *3 sg* | -áʔtʰ | -áːt | -at |
| *1 du* | -áʔtʰaw | -áːtaw | -ataʊ |  |
| *2 du* | -áʔtʰij | -áːtej | -ateɪ |
| *1 pl* | -áʔtʰumu | -áːtumo | -atum(o) | -álmɔ |
| *2 pl* | -aʔtʰáti | -aːtáte | \*-atat(e) > -atas 1 | -álty |
| *3 pl* | -aʔtʰánti | -aːtánte | -atant(e) |
| Imperative | *2 sg* | -aj | -aj | -aɪ | -ɛ́ː | -e | -ɛ |
| *3 sg* | -ati | -ate | -ate | -áte |  |  |
| *1 pl* | -ami | -ame | -ame | -áme |
| *2 pl* | -ájti | -ájte | -áɪte | -ɛ́ːte | -édʲ | -ɛ́ty |
| *3 pl* | -ánti | -ánte | -ánte | -ánte |  |  |

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*— IRREALIS FORMS —*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Optative | *1 sg* | -áwu | -áwo | -áwo | *—*  *Identical to*  *Subjunctive*  *—* | \*-o > -ɔː [[34]](#endnote-34) | *—*  **ʝɛ** *+ present*  *—* |
| *2 sg* | -áwis | -áwes | -áwes | -ɛː |
| *3 sg* | -áwit | -áwet | -áwet | -e(d) |
| *1 du* | \*-áwwu > -áwuʔ | -áwoː | -áwɔː |  |
| *2 du* | -áwiti | -áwite | -áwite |
| *1 pl* | -áwimu | -áwimo | -áwimo | \*-emə > -em |
| *2 pl* | -awítis | -áwites | -áwites | -edʲ |
| *3 pl* | -awínti | -áwinte | -áwinte | -endʲ |
| Subjunctive | *1 sg* | -áwan | -áwn | -áʊn | -áβ̞ə̃ | -ɔːn | *— Imperfect —* |
| *2 sg* | -áwiʔ | -áwiː | -áwi | -áβ̞ɛː | -ɛː |
| *3 sg* | -áwa | -áwə | -áwa | -áβ̞ə | -aː |
| *1 du* | -áwaw | -áwəw | \*-áwaʊ > -áwɔː | -áβ̞ɔː |  |
| *2 du* | -áwij | -áwej | \*-áweɪ > -áwi | -áβ̞ɛː |
| *1 pl* | -áwumu | -áwmo | -áʊmo | -ɔ́ːmə | \*-omə > -om |
| *2 pl* | -awáti | -áwte | -áʊte | -wáte | -ɔːdʲ |
| *3 pl* | -awánti | \*-áwnte > -únte | -únte | -wánte | -ɔːndʲ > -ondʲ |
| *Supine* | | -adi | -ad(e) | -að [[35]](#endnote-35) | -a̰ː | -ɐlʲ | -aty |

*— NOMINAL and ADJECTIVAL DERIVATIVES —*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Gerunds* | -anjaʔ | -anjaː | -anja | -ənjaː | .-ɐ(n)ʑaː | -áʋa |
| -awaʔ, -abaʔ | -awaː | -awa | -əβ̞aː | .-ɐbaː |
| *Gerundives* | -ándu  *etc*. | -ándo  *etc*. | -ándo  *etc*. | -ánə  *etc*. | \*-ɐnd > -ɐŋ | .-ant |
| -ájku  *etc*. | -ájko  *etc*. | -áɪko  *etc*. | -ɛ́ːkə  *etc*. | -eg | .-ɛk |
| *Passive pt.* | -áʔtʰu  *etc*. | -áːto  *etc*. | -áto  *etc*. | -áːtə  *etc*. | -ɔːt | -al |
| *Potential* | -ájmu  *etc*. | -ájmo  *etc*. | -áɪmo  *etc*. | -ɛ́ːmə  *etc*. | -em | -ɛm |
| *Agent nouns* | -ál | -ál | -al | -áɝ | -ɐr | . |
| -álas, -álaʔ | -áləs, -álaː | -áləs, -ális [[36]](#endnote-36) | -áɝ, -áɻaː | .-áɾa, -áɾʝa [[37]](#endnote-37) |
| -áluʔ | -áluː | -álu | -áɻu | -ɐrʊ | .-aɾt [[38]](#endnote-38) |
| -ázas, -ázaʔ | -árəs, -áraː | -árəs, -áris 4 |  | -ɐ́zaː | .-ása, -ásʝa 5 |
| -ákjas, -ákjaʔ | -ákjəs, -ákjaː | -ácəs, -ácis 4 | -átjə, -átjaː | -ɐ́ɪʑaː | .-áka, -ákʝa 5 |
| *State noun* | -ázuʔ | -áruː | -áru | -ájuː [[39]](#endnote-39) | -ɐ́zʊ | -as |
| *Result noun* | -áman | -ámṇ | -ámṇ | -ámə̃ | \*-ɐmɐn(t) > -ɐnt | -ant [[40]](#endnote-40) |
| *Instance nouns* | -áɬaʔ |  |  |  | -(ɐ)ɕaː | .-aç |
| -ádiʔ | -ádiː | -ádis | -á̰β̞i | -(ɐ)lɛː | .-at |
| -ámuʔ | -ámuː | -ámu | -ámu | -(ɐ)mʊ |  |

**Thematic I-stems**

*— REALIS FORMS —*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Present | *1 sg* | -iw | -éw, -ju | -éʊ, -ju | -ɔ́(ː), -ju | -ʊ | -y |
| *2 sg* | -is | -es | -es | -e | -ɛː |
| *3 sg* | -it | -et | -et | -e | -ɪ(d) |
| *1 du* | -iwu | -éwo, -iwo | -éwo, -iwo | -iβ̞ə |  |  |
| *2 du* | -iti | -éte, -ite | -éte, -ite | -ite |
| *1 pl* | -imu | -émo, -imo | -émo, -imo | -imə | \*-ɪmə > -ɪm | -ymɔ |
| *2 pl* | -ítis | -étes, -ites | -étes, -ites | -éte | -ɪdʲ | -yty |
| *3 pl* | -ínti | -énte, -inte | -énte, -inte | -énte | -ɪndʲ |
| Aorist | *1 sg* | -íni | -éne | -én | -éne | -ɪnʲ | *— N/A —* |
| *2 sg* | -ísi | -ése | -és | -ése | -ɪxʲ |
| *3 sg* | -íj | -éj | -éɪ | -iː | -ɪ |
| *1 du* | -íwi | -éwe | -éwi | -éβ̞e |  |
| *2 du* | -íji | -éje | -éje | -éje |
| *1 pl* | -ími | -éme | -ém | -éme | -ɪŋʲ |
| *2 pl* | -ísti | -éste | -éste | -éste | -ɛːdʲ |
| *3 pl* | -íjti | -éjte | -éɪte | -íːte | -ɪdʲ |
| Imperfect | *1 sg* | -íjan | -éjn | -éɪn | -éjə̃ | *— N/A —* | -ɛ́y |
| *2 sg* | -íjiʔ | -éjeː | -éjɛː | -éjɛː |
| *3 sg* | -íja | -éjə | -éja | -éjə |
| *1 du* | -íjaw | -éjəw | \*-éjaʊ > -éjɔː | -éjɔː |  |
| *2 du* | -íjij | -éj(ej) | -éɪ | -éjɛː |
| *1 pl* | -íjumu | -éj(u)mo | -éɪmo | -íːmə | -ɛ́ymɔ |
| *2 pl* | -ijáti | -éjte | -éɪte | -játe | -ɛ́ty |
| *3 pl* | -ijánti | \*-éjnte > -ínte | -ínte | -jánte |
| Perfect | *1 sg* | -íʔtʰan | -íːtṇ | \*-itṇ > -ito 1 | *— N/A —* | *— N/A —* | -ɛl |
| *2 sg* | -íʔtʰiʔ | -íːtiː | -iti |
| *3 sg* | -íʔtʰ | -íːt | -it |
| *1 du* | -íʔtʰaw | -íːtaw | -itaʊ |  |
| *2 du* | -íʔtʰij | -íːtej | -iteɪ |
| *1 pl* | -íʔtʰumu | -íːtumo | -itum(o) | -ɛ́lmɔ |
| *2 pl* | -iʔtʰáti | -iːtáte | \*-itat(e) > -itas 1 | -ɛ́lty |
| *3 pl* | -iʔtʰánti | -iːtánte | -itant(e) |
| Imperative | *2 sg* | -ij | -ej | -eɪ | -íː | -ɪ | -ɛ |
| *3 sg* | -iti | éte, -ite | éte, -ite | -éte |  |  |
| *1 pl* | -imi | éme, -ime | éme, -ime | -éme |
| *2 pl* | -íjti | -éjte | -éɪte | -íːte | -ɪ́dʲ | -ɛ́ty |
| *3 pl* | -ínti | -énte | -énte | -énte |  |  |

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*— IRREALIS FORMS —*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Optative | *1 sg* | -íwu | -éwo | -éwo | *—*  *Identical to*  *Subjunctive*  *—* | \*-ʊ > -uː 2 | *—*  **ʝɛ** *+ present*  *—* |
| *2 sg* | -íwis | -éwes | -éwes | -ɛː |
| *3 sg* | -íwit | -éwet | -éwet | -ɛː(d) |
| *1 du* | \*-íwwu > -íwuʔ | -éwoː | -éwɔː |  |
| *2 du* | -íwiti | -éwite | -éwite |
| *1 pl* | -íwimu | -éwimo | -éwimo | \*-ɛːmə > -ɛːm |
| *2 pl* | -iwítis | -éwites | -éwites | -ɛːdʲ |
| *3 pl* | -iwínti | -éwinte | -éwinte | -ɛːndʲ |
| Subjunctive | *1 sg* | -íwan | -éwn | -éʊn | -éβ̞ə̃ | -ʑɐn | *— Imperfect —* |
| *2 sg* | -íwiʔ | -éwiː | -éwi | -éβ̞ɛː | -ʑɛː |
| *3 sg* | -íwa | -éwə | -éwa | -éβ̞ə | -ʑə |
| *1 du* | -íwaw | -éwəw | \*-éwaʊ > -éwɔː | -éβ̞ɔː |  |
| *2 du* | -íwij | -éwej | \*-éweɪ > -éwi | -éβ̞ɛː |
| *1 pl* | -íwumu | -éwmo | -éʊmo | -ɔ́ːmə | \*-ʑɐmə > -ʑɐm |
| *2 pl* | -iwáti | -éwte | -éʊte | -wáte | -ʑɐdʲ |
| *3 pl* | -iwánti | \*-éwnte > -júnte | -júnte | -wánte | -ʑɐndʲ |
| *Supine* | | -idi | éd(e), -id(e) | -eð 3 | -ɛ̰ː | -ɪlʲ | -yty |

*— NOMINAL and ADJECTIVAL DERIVATIVES —*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Gerunds* | -injaʔ | -énjaː, -injaː | -énja, -inja | -injaː | .-ɪ(n)ʑaː | -ýʋa |
| -iwaʔ, -ibaʔ | -éwaː, -iwaː | -éwa, -iwa | -iβ̞aː | .-ɪbaː |
| *Gerundives* | -índu  *etc*. | -éndo  *etc*. | -ándo  *etc*. | -énə  *etc*. | \*-ɪnd > -ɪŋ | .-ynt |
| -íjku  *etc*. | -éjko  *etc*. | -éɪko  *etc*. | -íːkə  *etc*. | -ɪg | .-ɛk |
| *Passive pt.* | -íʔtʰu  *etc*. | -íːto  *etc*. | -íto  *etc*. | -ítə  *etc*. | -ɛːt | -ɛl |
| *Potential* | -íjmu  *etc*. | -éjmo  *etc*. | -éɪmo  *etc*. | -íːmə  *etc*. | -ɪm | -ɛm |
| *Agent nouns* | -íl | -él | -el | -éɝ | -ɪr | . |
| -ílas, -ílaʔ | -éləs, -élaː | -éləs, -élis 4 | -éɝ, -éɻaː | .-ýɾa, -ýɾʝa 5 |
| -íluʔ | -éluː | -élu | -éɻu | -ɪrʊ | .-yɾt 6 |
| -ízas, -ízaʔ | -érəs, -éraː | -érəs, -éris 4 |  | -ɪ́zaː | .-ýsa, -ýsʝa 5 |
| -íkjas, -íkjaʔ | -ékjəs, -ékjaː | -écəs, -écis 4 | -étjə, -étjaː | -éɪʑaː | .-ýka, -ýkʝa 5 |
| *State noun* | -ízuʔ | -éruː | -éru | -éjuː 7 | -ɪ́zʊ | -ys |
| *Result noun* | -íman | -émṇ | -émṇ | -émə̃ | \*-ɪmɐn(t) > -ɪnt | -ynt 8 |
| *Instance nouns* | -íɬaʔ |  |  |  | -(ɪ)ɕaː | .-yç |
| -ídiʔ | -édiː | -édis | -ḛ́β̞i | -(ɪ)lɛː | .-yt |
| -ímuʔ | -émuː | -ému | -ému | -(ɪ)mʊ |  |

**Thematic U-stems**

*— REALIS FORMS —*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Present | *1 sg* | -uw | -ow | -oʊ | -uː | -o | -ɔ |
| *2 sg* | -us | -os | -os | -ə | -ʊ |
| *3 sg* | -ut | -ot | -ot | -ə | -ɐ(d) |
| *1 du* | -uwu | -owo | -ɔː | -ɔβ̞ə |  |  |
| *2 du* | -uti | -óte, -ute | -óte, -ute | -ɔte |
| *1 pl* | -umu | -ómo, -umo | -ómo, -umo | -ɔmə | \*-ɐmə > -ɐm | -ɔmɔ |
| *2 pl* | -útis | -ótes, -utes | -ótes, -utes | -áte | -ɐdʲ | -ɔty |
| *3 pl* | -únti | -ónte, -unte | -ónte, -unte | -ánte | -ɐndʲ |
| Aorist | *1 sg* | -úni | -óne | -ón | -áne | -ɐnʲ | *— N/A —* |
| *2 sg* | -úsi | -óse | -ós | -áse | -ɐxʲ |
| *3 sg* | -új | -ój | -óɪ | -ɛ́ː | -e |
| *1 du* | -úwi | -ówe | -ówi | -áβ̞e |  |
| *2 du* | -úji | -óje | -óje | -áje |
| *1 pl* | -úmi | -óme | -óm | -áme | -ɐŋʲ |
| *2 pl* | -ústi | -óste | -óste | -áste | -ʊdʲ |
| *3 pl* | -újti | -ójte | -óɪte | -ɛ́ːte | -edʲ |
| Imperfect | *1 sg* | -újan | -ójn | -óɪn | -ájə̃ | *— N/A —* | -ɔ́y |
| *2 sg* | -újiʔ | -ójeː | -ójɛː | -ájɛː |
| *3 sg* | -úja | -ójə | -ója | -ájə |
| *1 du* | -újaw | -ójəw | \*-ójaʊ > -ójɔː | -ájɔː |  |
| *2 du* | -újij | -ójej | \*-ójeɪ > -ójɛː | -ájɛː |
| *1 pl* | -újumu | -ój(u)mo | -óɪmo | -ɛ́ːmə | -ɔ́ymɔ |
| *2 pl* | -ujáti | -ójte | -óɪte | -játe | -ɔ́yty |
| *3 pl* | -ujánti | \*-ójnte > -únte | -únte | -jánte |
| Perfect | *1 sg* | -úʔtʰan | -úːtṇ | \*-utṇ > -uto 1 | *— N/A —* | *— N/A —* | -ɔl |
| *2 sg* | -úʔtʰiʔ | -úːtiː | -uti |
| *3 sg* | -úʔtʰ | -úːt | -ut |
| *1 du* | -úʔtʰaw | -úːtaw | -utaʊ |  |
| *2 du* | -úʔtʰij | -úːtej | -uteɪ |
| *1 pl* | -úʔtʰumu | -úːtumo | -utum(o) | -ɔ́lmɔ |
| *2 pl* | -uʔtʰáti | -uːtáte | \*-utat(e) > -utas 1 | -ɔ́lty |
| *3 pl* | -uʔtʰánti | -uːtánte | -utant(e) |
| Imperative | *2 sg* | -uj | -ój | -óɪ | -ɛ́ː | -e | -ɔy |
| *3 sg* | -uti | óte | óte | -áte |  |  |
| *1 pl* | -umi | óme | óme | -áme |
| *2 pl* | -újti | -ójte | -óɪte | -ɛ́ːte | -édʲ | -ɔ́yty |
| *3 pl* | -únti | -ónte | -ónte | -ánte |  |  |

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*— IRREALIS FORMS —*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Optative | *1 sg* | -úwu | -ówo | -ɔ́ː | *—*  *Identical to*  *Subjunctive*  *—* | -ʊ | *—*  **ʝɛ** *+ present*  *—* |
| *2 sg* | -úwis | -ówes | -ówes | -ɛː |
| *3 sg* | -úwit | -ówet | -ówet | -e(d) |
| *1 du* | \*-úwwu > -úwuʔ | -ówoː | -ówɔː |  |
| *2 du* | -úwiti | -ówite | -ówite |
| *1 pl* | -úwimu | -ówimo | -ówimo | \*-emə > -em |
| *2 pl* | -uwítis | -ówites | -ówites | -edʲ |
| *3 pl* | -uwínti | -ówinte | -ówinte | -endʲ |
| Subjunctive | *1 sg* | -úwan | -ówn | -óʊn | -áβ̞ə̃ | -ʋɐn | *— Imperfect —* |
| *2 sg* | -úwiʔ | -ówiː | -ówi | -áβ̞ɛː | -ʋɛː |
| *3 sg* | -úwa | -ówə | -ówa | -áβ̞ə | -ʋə |
| *1 du* | -úwaw | -ów(əw) | \*-ówaʊ > -ówɔː | -áβ̞ɔː |  |
| *2 du* | -úwij | -ówej | \*-óweɪ > -ówi | -áβ̞ɛː |
| *1 pl* | -úwumu | -ówmo | -óʊmo | -ɔ́ːmə | \*-ʋɐmə > -ʋɐm |
| *2 pl* | -uwáti | -ówte | -óʊte | -wáte | -ʋɐdʲ |
| *3 pl* | -uwánti | -ównte | -ɔ́ːnte | -wánte | -ʋɐndʲ |
| *Supine* | | -udi | ód(e), -ud(e) | -oð 3 | -ɔ̰ː | -ɐlʲ | -ɔty |

*— NOMINAL and ADJECTIVAL DERIVATIVES —*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Gerunds* | -unjaʔ | -ónjaː, -unjaː | -ónja, -unja | -ɔnjaː | .-ɐ(n)ʑaː | -ýʋa |
| -uwaʔ, -ubaʔ | -ówaː, -uwaː | -owa | -ɔβ̞aː | .-ɐbaː |
| *Gerundives* | -úndu  *etc*. | -óndo  *etc*. | -óndo  *etc*. | -ánə  *etc*. | \*-ɐnd > -ɐŋ | .-ɔnt |
| -újku  *etc*. | -ójko  *etc*. | -óɪko  *etc*. | -ɛ́ːkə  *etc*. | -eg | .-ɔ(y)k |
| *Passive pt.* | -úʔtʰu  *etc*. | -úːto  *etc*. | -úto  *etc*. | -útə  *etc*. | -ʊt | -ɔl |
| *Potential* | -újmu  *etc*. | -ójmo  *etc*. | -óɪmo  *etc*. | -ɛ́ːmə  *etc*. | -em | -ɔ(y)m |
| *Agent nouns* | -ul | -ól | -ol | -ɔ́ɝ | -ɐr | . |
| -ulas, -ulaʔ | -óləs, -ólaː | -óləs, -ólis 4 | -ɔ́ɝ, -ɔ́ɻaː | .-ýɾa, -ýɾʝa 5 |
| -uluʔ | -óluː | -ólu | -ɔ́ɻu | -ɐrʊ | .-ɔɾt 6 |
| -uzas, -uzaʔ | -órəs, -óraː | -órəs, -óris 4 |  | -ɐ́zaː | .-ýsa, -ýsʝa 5 |
| -ukjas, -ukjaʔ | -ókjəs, -ókjaː | -ócəs, -ócis 4 | -ɔ́tjə, -ɔ́tjaː | -ɐ́ɪʑaː | .-ýka, -ýkʝa 5 |
| *State noun* | -uzuʔ | -óruː | -óru | -ɔ́juː 7 | -ɐ́zʊ | -ɔs |
| *Result noun* | -uman | -ómṇ | -ómṇ | -ɔ́mə̃ | \*-ɐmɐn(t) > -ɐnt | -ɔnt 8 |
| *Instance nouns* | -úɬaʔ |  |  |  | -(ɐ)ɕaː | .-ɔç |
| -udiʔ | -ódiː | -ódis | -ɔ̰́β̞i | -(ɐ)lɛː | .-ɔt |
| -umuʔ | -ómuː | -ómu | -ɔ́mu | -(ɐ)mʊ |  |

**Athematic conjugation**

**Strong** (or **complete**) **stems**

These were regular Athematic verbs ending in any consonant other than –ʔ or –w

*— REALIS FORMS —*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Present | *1 sg* | -u | -o | -o | -ə | -ə | -Ø |
| *2 sg* | -is | -es | -es | -e | -ɛː |
| *3 sg* | -it | -et | -et | -e | -ɪ(d) |
| *1 du* | -wu | -wo | -wo | -wə |  |  |
| *2 du* | -iti | -ite | -ite | -ite |
| *1 pl* | -imu | -imo | -imo | -imə | \*-ɪmə > -ɪm | -mɔ |
| *2 pl* | -ítis | -étes | -etes | -éte | -ɪdʲ | -ty |
| *3 pl* | -ínti | -énte | -ent(e) | -énte | -ɪndʲ |
| Aorist | *1 sg* | -an | -ṇ | -ṇ | -ə̃ | -ɐn | *— N/A —* |
| *2 sg* | -iʔ | -iː | -iː | -i | -ɛː |
| *3 sg* | -Ø | -Ø | -Ø | -Ø | -Ø |
| *1 du* | -aw | -aw | -aʊ | -ɔ(ː) |  |
| *2 du* | -ij | -ej | -eɪ | -ɛː |
| *1 pl* | -umu | -umo | -um | -ɔmə | \*-ɐmə > -ɐm |
| *2 pl* | -áti | -áte | -ate | -áte | -ɐdʲ |
| *3 pl* | -ánti | -ánte | -ant(e) | -ánte | -ɐndʲ |
| Imperfect | *1 sg* | -jan | -jən | -jən | -jən | *— N/A —* | -ʝɛ |
| *2 sg* | -jiʔ | -jeː | -jɛː | -je |
| *3 sg* | -ja | -jə | -ja | -jə |
| *1 du* | -jaw | -jaw | -jaʊ | -jɔ(ː) |  |
| *2 du* | -jij | -jej | -jeɪ | -jɛː |
| *1 pl* | -jumu | -jumo | -jumo | -jɔmə | -ʝɔ́mɔ |
| *2 pl* | -játi | -játe | -jate | -játe | -ʝáty |
| *3 pl* | -jánti | -jánte | -jant(e) | -jánte |
| Perfect | *1 sg* | -tʰan | -tṇ | \*-tṇ > -to 1 | *— N/A —* | *— N/A —* | -lɛ |
| *2 sg* | -tʰiʔ | -tiː | -ti |
| *3 sg* | -tʰa | -tə | -ta |
| *1 du* | -tʰaw | -taw | -taʊ |  |
| *2 du* | -tʰij | -tej | -teɪ |
| *1 pl* | -tʰumu | -tumo | -tum(o) | -lɔ́mɔ |
| *2 pl* | -tʰáti | -táte | \*-tat(e) > -tas 1 | -láty |
| *3 pl* | -tʰánti | -tánte | -tant(e) |

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Imperative | *2 sg* | -Ø | -Ø | -Ø | -Ø | -Ø | -Ø |
| *3 sg* | -ti | -te | -te | -te |  |  |
| *1 pl* | -mi | -me | -me | -me |
| *2 pl* | -íti | -éte | -éte | -éte | -ɪ́dʲ | -ty |
| *3 pl* | -ínti | -énte | -énte | -énte |  |  |

*— IRREALIS FORMS —*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Optative | *1 sg* | -wu | -wo | -wo | *—*  *Identical to*  *Subjunctive*  *—* | -ʋə | *—*  **ʝɛ** *+ present*  *—* |
| *2 sg* | -wis | -wes | -wes | -ʋɛː |
| *3 sg* | -wit | -wet | -wet | -ʋɪ(d) |
| *1 du* | \*-wwu > -wuʔ | -woː | -wɔː |  |
| *2 du* | -witi | -wite | -wite |
| *1 pl* | -wimu | -wimo | -wimo | \*-ʋɪmə > -ʋɪm |
| *2 pl* | -wítis | -wétes | -wetes | -ʋɪdʲ |
| *3 pl* | -wínti | -wénte | -went(e) | -ʋɪndʲ |
| Subjunctive | *1 sg* | -wan | -wən | -wən | -wən | -ʋɐn | *— Imperfect —* |
| *2 sg* | -wiʔ | -wiː | -wi | -wi | -ʋɛː |
| *3 sg* | -wa | -wə | -wa | -wa | -ʋə |
| *1 du* | -waw | -waw | \*-waʊ > -wɔː | -wɔː |  |
| *2 du* | -wij | -wej | -weɪ | -wɛː |
| *1 pl* | -wumu | -wumo | -womo | -wɔmə | \*-ʋɐmə > -ʋɐm |
| *2 pl* | -wáti | -wáte | -wate | -wáte | -ʋɐdʲ |
| *3 pl* | -wánti | -wánte | -want(e) | -wánte | -ʋɐndʲ |
| *Supine* | | -idi | -id(e) | -ið 3 | -ɛ̰ː | -ɪlʲ | -t(y) |

*— NOMINAL and ADJECTIVAL DERIVATIVES —*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Gerunds* | -jaʔ | -jaː | -ja | -jaː | .-aː | -ʋa |
| -waʔ, -baʔ | -waː, -baː | -wa, -ba | -β̞aː | .-baː |
| *Gerundives* | -índu  *etc*. | -éndo  *etc*. | -éndo  *etc*. | -énə  *etc*. | \*-ɪnd > -ɪŋ | .-ynt |
| -iku  *etc*. | -iko  *etc*. | -iko  *etc*. | -ikə  *etc*. | -ɪg | .-yk |
| *Passive pt.* | -tʰu  *etc*. | -to  *etc*. | -to  *etc*. | -tə  *etc*. | -t | -ḷ |
| *Potential* | -imu  *etc*. | -imo  *etc*. | -imo  *etc*. | -imə  *etc*. | -ɪm | -ym |
| *Agent nouns* | -il, -al | -el, -al | -el, -al | -eɝ | -ɐr |  |
| -las, -laʔ | -ləs, -laː | -ləs, -lis 4 | -(nə), -naː | .-ɾa, -ɛɾʝa 5 |
| -luʔ | -luː | -lu | -nu | -rʊ | \*-\*-ɾt > ɛɾt 6 |
| -zas, -zaʔ | -ras, -raː | -rəs, -ris 4 |  | -zaː | .-sa, -ɛsʝa 5 |
| -ikjas, -ikjaʔ | -ikjas, -ikjaː | -cəs, -cis 4 | -etjə, -etjaː | -éɪʑaː | .-ýka, -ýkʝa 5 |
| *State noun* | -zuʔ | -ruː | -ru | -ru | -zʊ | -ɛs [[41]](#endnote-41) |
| *Result noun* | -man | -mṇ | -mṇ | -mə̃ | \*-mɐn(t) > -ɐnt | -ant 8 |
| *Instance nouns* | -ɬaʔ |  |  |  | -ɕaː | .-ɛç 9 |
| -diʔ | -diː | -dis | -i | -lɛː | .-ɛt 9 |
| -muʔ | -muː | -mu | -mu | -mʊ |  |

**Weak** (or **hollow**) **stems**

These were Athematic verbs ending in either –ʔ or –w , which had a different conjugation pattern in the Present and Aorist tenses, as well as the Imperative mood, due their root vowel being intermixed with the initial vowel of the ending. Some of the most common verb in the language belonged to this group, most of them monosyllabic.

Below, only forms different from the regular Athematic conjugation are shown:

***Weak stems in –Ā*** *(A + glottal stop)* ***and –AW* —** including*\*dā-* *"give"*and *\*mā-* *"have, possess"*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Present | *1 sg* | -aʔu | -aw | -aʊ | -ɔ(ː) | -o | -ɛ |
| *2 sg* | -aʔis | \*-ajs > -as 9 | -as | -ɛː | -ɛː |
| *3 sg* | -aʔit | \*-ajt > -at 9 | -at | -ɛː | -e(d) |
| *1 du* | -aʔwu | -aːwo | -awo | -aːwə |  |  |
| *2 du* | -aʔiti | -ajte | -áɪte, -ɛːte | -ɛːte |
| *1 pl* | -aʔimu | -ajmo | -áɪme, -ɛːme | -ɛːmə | \*-emə > -em | -ɛmɔ |
| *2 pl* | -aʔítis | -ájtes | -áɪtes, -ɛːtes | -ɛ́ːte | -edʲ | -ɛty |
| *3 pl* | -aʔínti | \*-ínte > -ánte 9 | -ant(e) | -ínte | -endʲ |
| Aorist | *1 sg* | -aʔan | -aːn | -an | -aːn | -ɔːn | *— N/A —* |
| *2 sg* | -aʔiʔ | -aj | -aɪ | -ɛː | -e |
| *3 sg* | -aʔ | -aː | -a | -aː | -aː |
| *1 du* | -aʔaw | -aːw | -aʊ | -a̰ː |  |
| *2 du* | -aʔij | -aj | -aɪ | -ɛː |
| *1 pl* | -aʔumu | -awmo | -aʊm | -ɔːmə | \*-omə > -om |
| *2 pl* | -aʔáti | -áːte | -ate | -áːte | -ɔːdʲ |
| *3 pl* | -aʔánti | -áːnte | -ant(e) | -áːnte | -ɔːndʲ |
| Imperative | *2 sg* | -aʔ | -aː | -a | -aː | -aː | -a |
| *3 sg* | -aʔti | -aːte | -ate | -aːte |  |  |
| *1 pl* | -aʔmi | -aːme | -ame | -aːme |
| *2 pl* | -aʔíti | -ájte | -áɪte | -ɛ́ːte | -édʲ | -ɛ́ty |
| *3 pl* | -aʔínti | \*-ínte > -ánte 9 | -ánte | -ínte |  |  |
| *Supine* | | -aʔidi | -ajd(e) | -áɪð, -ɛːð 3 | -ɛ̰ː | -elʲ | -ɛt(y) |
| *Gerundives* | | -aʔíndu  *etc*. | -índo  *etc*. | -índo  *etc*. | -ínə  *etc*. | \*-end > -eŋ | .-ɛnt |
| -aʔiku  *etc*. | -ajko  *etc*. | -áɪko, -ɛːko  *etc*. | -ɛːkə  *etc*. | -eg | .-ɛk |
| *Passive pt.* | | -aʔtʰu  *etc*. | -aːto  *etc*. | -ato  *etc*. | -aːtə  *etc*. | -ɔːt | -al |
| *Potential* | | -aʔimu  *etc*. | -ajmo  *etc*. | -áɪmo, -ɛːmo  *etc*. | -ɛːmə  *etc*. | -em | -ɛm |

***Weak stems in –Ī* —** including*\*lī-* *"leave"*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Present | *1 sg* | -iʔu | -ju | -ju | -ju | -ʊ | -ɛ |
| *2 sg* | -iʔis | -iːs | -is | -i | -ɛː |
| *3 sg* | -iʔit | -iːt | -it | -i | -ɛːd |
| *1 du* | -iʔwu | -íːwo | -iwo | -iβ̞ə |  |  |
| *2 du* | -iʔiti | -iːte | -ite | -ite |
| *1 pl* | -iʔimu | -iːmo | -ime | -imə | \*-ɛːmə > -ɛːm | -ɛmɔ |
| *2 pl* | -iʔítis | -íːtes | -ites | -íte | -ɛːdʲ | -ɛty |
| *3 pl* | -iʔínti | -íːnte | -int(e) | -ínte | -ɛːndʲ |
| Aorist | *1 sg* | -iʔan | -jən | -jən | -jaːn | -ɛːn | *— N/A —* |
| *2 sg* | -iʔ(iʔ) | -iː | -i | -i | -ɛː |
| *3 sg* | -iʔ | -iː | -i | -i | -ɛː |
| *1 du* | -iʔaw | -jaw | -jaʊ | -jɔː |  |
| *2 du* | -iʔij | -eːj | -eɪ | -iː |
| *1 pl* | -iʔumu | -jómo, -jumo | -jóm, -jum | -jámə, -jɔmə | \*-ɛːmə > -ɛːm |
| *2 pl* | -iʔáti | -játe | -jate | -játe | -ɐdʲ |
| *3 pl* | -iʔánti | -jánte | -jant(e) | -jánte | -ɐndʲ |
| Imperative | *2 sg* | -iʔ | -iː | -i | -i | -ɛː | -ɛ |
| *3 sg* | -iʔti | -iːte | -ite | -ite |  |  |
| *1 pl* | -iʔmi | -iːme | -ime | -ime |
| *2 pl* | -iʔíti | -íːte | -íte | -íte | -ɛ́ːdʲ | -ɛ́ty |
| *3 pl* | -iʔínti | -ínte | -ínte | -ínte |  |  |
| *Supine* | | -iʔidi | -iːd(e) | -ið 3 | -ḭ | -ɛːlʲ | -ɛt(y) |
| *Gerundives* | | -iʔíndu  *etc*. | -íːndo  *etc*. | -índo  *etc*. | -ínə  *etc*. | \*-ɛːnd > -ɛːŋ | .-ɛnt |
| -iʔiku  *etc*. | -iːko  *etc*. | -iko  *etc*. | -ikə  *etc*. | -ɛːg | .-ɛk |
| *Passive pt.* | | -iʔtʰu  *etc*. | -iːto  *etc*. | -ito  *etc*. | -itə  *etc*. | -ɛːt | -ɛl |
| *Potential* | | -iʔimu  *etc*. | -iːmo  *etc*. | -imo  *etc*. | -imə  *etc*. | -ɛːm | -ɛm |

***Weak stems in –IW* —** including*\*shiw-* *"be"*and *\*ziw-* *"live"*(suppletive)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Present | *1 sg* | -iwu | -éwo, -iwo | -éwo, -iwo | -éβ̞ə, -iβ̞ə | -ʊ | -y |
| *2 sg* | -(iw)is | -es | -es | -e | -iː |
| *3 sg* | -(iw)it | -et | -et | -e | -ɪd |
| *1 du* | -iwuʔ | -éwoː, -iwoː | -éwɔː, -iwɔː | -éβ̞ɔː, -iβ̞ɔː |  |  |
| *2 du* | -(iw)iti | -éte, -ite | -éte, -ite | -éte, -ite |
| *1 pl* | -(iw)imu | -émo, -imo | -émo, -imo | -émə, -imə | \*-ɪmə > -ɪm | -ymɔ |
| *2 pl* | -(iw)ítis | -étes | -étes, -ites | -éte | -ɪdʲ | -yty |
| *3 pl* | -(iw)ínti | -énte | -ént(e), -int(e) | -énte | -ɪndʲ |

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Aorist | *1 sg* | -jan | -jən | -jən | -jaːn | -ɐn | *— N/A —* |
| *2 sg* | -jiʔ | -jeː | -jɛː | -jɛː | -ɛː |
| *3 sg* | -iw | -ju | -ju | -ju | -ʊ |
| *1 du* | -jaw | -jaw | -jaʊ | -jɔː |  |
| *2 du* | -jij | -jej | -jeɪ | -iː |
| *1 pl* | -jumu | -jómo, -jumo | -jóm, -jum | -jámə, -jɔmə | \*-ɐmə > -ɐm |
| *2 pl* | -játi | -játe | -jate | -játe | -ɐdʲ |
| *3 pl* | -jánti | -jánte | -jant(e) | -jánte | -ɐndʲ |
| Imperative | *2 sg* | -iw | -éw, -ju | -éʊ, -ju | -ɔ́ː, -ju | -ʊ | -ɛy |
| *3 sg* | -iwti | -éwte, -jute | -éʊte, -jute | -ɔ́ːte, -jute |  |  |
| *1 pl* | -iwmi | -éwme, -jume | -éʊme, -jume | -ɔ́ːme, -jume |
| *2 pl* | -(iw)íti | -éte | -éte | -éte | -ɪ́dʲ | -ýty |
| *3 pl* | -(iw)ínti | -énte | -énte | -énte |  |  |
| *Supine* | | -(iw)idi | -éd(e), -id(e) | -éð, -ið 3 | -ḛ́, -ḭ | -ɪlʲ | -yt(y) |
| *Gerundives* | | -(iw)índu  *etc*. | -éndo  *etc*. | -éndo  *etc*. | -énə  *etc*. | \*-ɪnd > -ɪŋ | .-ynt |
| -(iw)iku  *etc*. | -éko, -iko  *etc*. | -éko, -iko  *etc*. | -ékə, -ikə  *etc*. | -ɪg | .-yk |
| *Passive pt.* | | -iwtʰu  *etc*. | -éwto, -juto  *etc*. | -éʊto, -juto  *etc*. | -ɔ́ːtə, -itə  *etc*. | -ʊt | -ɛyl |
| *Potential* | | -(iw)imu  *etc*. | -émo, -imo  *etc*. | -émo, -imo  *etc*. | -émə, -imə  *etc*. | -ɪm | -ym |

***Weak stems in –Ū* —** including*\*sū-* *"put, insert"*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Person** | | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| Present | *1 sg* | -uʔu | -uː | -u | -u | -ʊ | -ɔy |
| *2 sg* | -uʔis | -ójs, -wis | -óɪs, -wis | -ɛ́ː, -wi | -ɛː |
| *3 sg* | -uʔit | -ójt, -wit | -óɪt, -wit | -ɛ́ː, -wi | -e(d) |
| *1 du* | -uʔwu | -oːwo | -ɔːwo | -ɔː(β̞ə) |  |  |
| *2 du* | -uʔiti | -ójte, -wite | -óɪte, -wite | - ɛ́ːte, -wite |
| *1 pl* | -uʔimu | -ójmo, -wimo | -óɪmo, -wimo | - ɛ́ːmə, -wimə | \*-emə > -em | -ɔ́ymɔ |
| *2 pl* | -uʔítis | -wétes | -wétes, -wites | -wítes | -edʲ | -ɔ́yty |
| *3 pl* | -uʔínti | -wénte | -wént(e), -wint(e) | -wínte | -endʲ |
| Aorist | *1 sg* | -uʔan | -wən | -wən | -waːn | -ʊn | *— N/A —* |
| *2 sg* | -uʔiʔ | -ój, -wi | -óɪ, -wi | -ɛ́ː, -wi | -ɛː |
| *3 sg* | -uʔ | -uː | -u | -u | -ʊ |
| *1 du* | -uʔaw | -waw | -waʊ | -wɔː |  |
| *2 du* | -uʔij | -wej | -weɪ | -wiː |
| *1 pl* | -uʔumu | -uːmo | -um | -umə | \*-ʊmə > -ʊm |
| *2 pl* | -uʔáti | -wáte | -wate | -wáte | -ɐdʲ |
| *3 pl* | -uʔánti | -wánte | -want(e) | -wánte | -ɐndʲ |
| Imperative | *2 sg* | -uʔ | -uː | -u | -u | -ʊ | -y |
| *3 sg* | -uʔti | -uːte | -ute | -ute |  |  |
| *1 pl* | -uʔmi | -uːme | -ume | -ume |
| *2 pl* | -uʔíti | -wéte | -wéte | -wéte | -édʲ | -ɔ́yty |
| *3 pl* | -uʔínti | -wénte | -wénte | -wénte |  |  |

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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Form** | Pr. Vórean | Com. Cont'l | Áltheran | Gréetyan | Com. Insular | Proto-Fysk |
| *Supine* | -uʔidi | -ójd(e), -wid(e) | -óɪð, -wið 3 | -ɛ̰́ː, -wḭ | -elʲ | -ʋyty |
| *Gerundives* | -uʔíndu  *etc*. | -wéndo  *etc*. | -wéndo  *etc*. | -wénə  *etc*. | \*-end > -eŋ | .-ʋýnt |
| -uʔiku  *etc*. | -ójko, -wiko  *etc*. | -óɪko, -wiko  *etc*. | -ɛ́ːkə, -wikə  *etc*. | -eg | .-ʋyk |
| *Passive pt.* | -uʔtʰu  *etc*. | -uːto  *etc*. | -uto  *etc*. | -utə  *etc*. | -ʊt | -ɔl |
| *Potential* | -uʔimu  *etc*. | -ójmo, wimo  *etc*. | -óɪmo, -wimo  *etc*. | -ɛ́ːmə, -wimə  *etc*. | -em | -ʋym |

**Nasalized stems**

These were Athematic verbs, characterized by an –n– infix before the final root consonant, which appeared throughout the *Present system* but glottalized to –ʔ– in the *Aorist system*, creating a vowel alteration in all daughter languages. Thematic derivatives of such verbs invariably dropped the –n– infix. The following consonant assimilations occur before endings:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | -b | -tʰ | -t | -d | -k | -s | -z | -ɬ | -l | -m | -n | -j | -w |
| mp- | mb | mptʰ | mpt | mbd | ŋk | mps | mpz | mpɬ | mpl | mpm | mpn | mpj | mpw |
| mb- | mbs | mbz | mbl | mbl | mm | mn | mbj | ŋw |
| ntʰ- | ndb | ntʰ | nʦt | nʣd | ntk | nts | ntz | ntɬ | ntɬ | ntʰm | ntʰn | ntʰj | ntʰw |
| nt- | ndz | ndl | ntl | ntm | ntn | ntj | ntw |
| nd- | nds | ndl | ndm | ndn | ndj | ndw |
| ŋkʰ- | ŋgb | ŋktʰ | ŋkt | ŋgd | ŋk | ŋks | ŋkz | ŋkɬ | ŋkɬ | ŋkʰm | ŋkʰn | ŋkʰj | ŋkʰw |
| ŋk- | ŋgz | ŋgl | ŋkl | ŋkm | ŋkn | ŋkj | ŋkw |
| ŋg- | ŋgs | ŋgl | ŋgm | ŋgn | ŋgj | ŋgw |
| nsʰ- | nsb | nstʰ | nst | nsd | nsk | ns | nz | nɬ | nsl | nsm | nsn | nsʰj | nsʰw |
| ns- | nzl | nsj | nsw |
| nz- | nzb | nzt | nzd | nzk | nzl | nzm | nzn | nzj | nzw |

**Sigmated stems**

These were Athematic verbs, characterized by an –s– infix before the final root consonant. This infix would undergo *metathesis* with the following consonant before -t, -tʰ, -d, -k, -b, -m or -n (but *not* before -w, -j, -l, -ɬ   
or -z), as follows:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | -b | -tʰ | -t | -d | -k | -m | -n |
| sp- | psb | pstʰ | pst | psd | psk | psm | psn |
| sb- | bzb | bstʰ | bst | bzd | bsk | bsm | bsn |
| stʰ- | tsb | tstʰ | tst | tsd | tsk | tsm | tsn |
| st- |
| sd- | dzb | dst | dzd | dsk | dsm | dsn |
| skʰ- | ksb | kstʰ | kst | ksd | ksk | ksm | ksn |
| sk- |
| sg- | gsb | gst | gzd | gsk | gsm | gsn |

Thematic derivatives of such verbs had retained the infix, except in the Reflexive voice, where it was dropped.

**II. Continental branch**

**Reflexes in daughter languages**

**Consonants**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálmeran | C. Érdahal |
| p | p | p | p, -ʊ̯, Ø# | p | pʰ, p [[42]](#endnote-42) | p |
| t | t | t | t, c [[43]](#endnote-43) | t, ʨ 2 | tʰ, t | t |
| kj | tj | c | s | s | ʧʰ, ʧ | ʦ |
| k | k | k | k, -ɪ̯ | k, ç [[44]](#endnote-44) | kʰ, k | k |
| kw | kʷ | kw | kʷ | kʋ, k 3 | pʰ, p |
| b | b-, v | b | b, -β̞-, -ʊ̯ | b, -ʊ̯, Ø# | p, b | b |
| d | d-, ð | d | d, ɟ 2, -ð̞-, Ø# | d, ʥ 2, -Ø# | t, d | d |
| gj | dj | ɟ | ʝ | \*z > s, -ɾ- | ʧ, ʤ~ʒ | ʣ |
| g | g-, Ø, -j [[45]](#endnote-45) | g | #Ø-, g, -ɰ-, -ɪ̯ | (#Ø-, g), ʝ 3, ŋ[[46]](#endnote-46) | k, g | g |
| gw | gʷ-, w | gw | #w, gʷ, -w- | #ʋ-, gʋ, g 3 | p, b |
| pʰ | f | f | #h-, ɸ | #Ø-, f | ħ | f |
| tʰ | θ, -d | θ | θ | θ | h > Ø | θ |
| kʰj | ʃ | ç | ç | ç | j | x, ʃ [[47]](#endnote-47) |
| kʰ | h, -x, -ç 4 | x | #Ø-, h, -x, -ç4 | #Ø-, x | h > Ø | #h-, -h-, x, ç 4 |
| kʰw | ʍ | xw | ʍ, -w- | f, -ʋ- | ħ |
| bʱ | b-, v | v | β̞, -ʊ̯ | #Ø-, f | b | v-, Ø |
| dʱ | d-, ð | ð | θ-, ɾ | θ-, ɾ | d | ð-, Ø |
| gʱj | dj | ʝ | ʝ | ʝ | ʤ~ʒ | ʒ-, j |
| gʱ | g-, Ø, -j 4 | ɣ | Ø, -w-, -j- 4 | #Ø-, x, -Ø | g, -ɣ | Ø |
| gʱw | gʷ-, w | gw, -w- | #w, gʷ, -w- | #ʋ-, gʋ, g 3, -ʋ- | b | g, -w- |
| s | s, -z, ʃ 2 | s | #h-, #ç-2, #ʍ-[[48]](#endnote-48), ɾ | Ø-, -ɾ-, s | s | s |
| sp | sp | sp | ɸ, -sp- | sp | pː | sp |
| st | st | st | θ, -st- | st, ɕʨ 2 | tː | st |
| skj | stj | sc | s, -sː- | s, -sː- | ʧː | s-, sː |
| sk | sk | sk | h-, -sk-, -x, -ç4 | sk, ç 3 | kː | sk, ʃ# 4 |
| skw | skʷ | skw | ʍ, -w- | skʋ, sk 3 | pː |
| m | m | m | m, -ŋ~n | m, -n | m, -Ø | m |
| n | n | n | n | n, ɲ 2 | n, -Ø | n |
| r | r, -ɹ | r | ɾ | ɾ, ʝ 2 | r | r |
| l | l, (-ɹ) | l | l, -ʎ | l, ʝ 2 | l | l |
| w | #v-, w | w | w, -Ø-, -j- 2 | ʋ | w | w |
| j | #Ø-, j | j | #Ø-, j, -Ø- | Ø | Ø-, -j- | j |

**Vowels**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | Pr. Pálmeran | C. Erdahal |
| a | a | a | ɑ | (e, i [[49]](#endnote-49)) [[50]](#endnote-50), a, Ø [[51]](#endnote-51) | ɑ | a |
| ə | ə | e, ɑ́ [[52]](#endnote-52) | o, ø 8, u [[53]](#endnote-53) | e | ə |
| e | e | e | e, i 8, Ø10 | e |
| i | jé 9, í, e | i | i, -e# [[54]](#endnote-54) | aɪ 9, e [[55]](#endnote-55), i | i, Ø 13 | i |
| o | o | o | o, (ú, a) [[56]](#endnote-56) | o, ø 8, u 12 | ɑ | o |
| u | wé 9, ú, o | u | u, -o# 13 | (a, ɛ 8) 9, u | u, Ø 13 | u |
| aː | a | a(ː) | ɑ | (e, i8)9, a | ɑ | a |
| iː | i | i | i, -e# 13 | aɪ 9, e 14, i | i, Ø 13 | i |
| uː | u | u | u, -o# 13 | (a, ɛ 8) 9, u | u, Ø 13 | u |
| aj | aɪ | aɪ, ɛː [[57]](#endnote-57) | e | eɪ 9, iə 16, oɪ | e | æɪ, ɛː 16, -iː# |
| ej | éɪ, i | eɪ, ɛː 11 | i, e 11 | iə 9+11, i | i, e 11 | eɪ, ɛː 11 |
| oj | oɪ | u | y | e | øʏ |
| aw | aʊ | aʊ, ɔː 16 | o, (ú, a) 15 | a, ɛ 8, uɔ 16 | o | ɑʊ, ɔː 16, -uː# |
| ew | óʊ, u | eʊ | i | ɘ | u | iːʊ |
| ow | oʊ, ɔː 11 | u, o 11 | uɔ 9+11, u | o | oʊ, ɔː 11 |
| ṃ | im | ṃ | ɑ́ŋ~ɑ́n, eŋ~en | a | ɑ | mə |
| ṇ | in | ṇ | ɑ́n, en | nə |
| ṛ | iɹ | ṛ | ɑ́ɾ, eɾ, Ø# | ra, -ar# | ur | rə |
| ḷ | il, (iɹ) | ḷ | ɑ́ʎ, eʎ, Ø# | la, -al# | ul | lə |
| *Long vowels resulting from elisions of various consonants* » | | | | aː > | oː | aː |
| eː > | eː | eː |
| iː > | iː | iː |
| oː > | oː | oː |
| uː > | uː | uː |

**Reflexes in morphology:** nouns

Of all the Vórean languages, only Gréetyan and Ánderan had preserved the original case system intact, along with the original Dual number (the latter can be attributed to the unusually large amount of twins in the Anderyán population).

Áltheran, on the other hand, had the Dual number slowly take up the function of an alternative "partitive" plural, with each daughter language assigning it a different function. In the Genitive case, Dual and Plural forms have become increasingly interchangeable, and in the Dative (former Oblique) case, Dual forms have disappeared completely.

In addition, Áltheran had introduced two new cases, and re-specified the Oblique case as Dative:

* ***Locative case —*** used with various prepositions denoting a point in space/time, such as "in", "on", "at", "over", "under", "near", "about" (e.g. "He arrived in **time**", "We talked about the **car**", "I sat at the **table**"). The case endings were based on the Accusative endings with added –n ;
* ***Instrumental case —*** used to describe an instrument of an action (e.g. "I ate with a **spoon**"), a comitative agent (e.g. "I jogged with a **friend**"), or a stative patient (e.g. "He became a **doctor**", "They were **blind**"). Singular case endings were based on the Nominative endings with added –m (for Masculine and Neuter) or –ávi (for Feminine), while the Plural endings — on the deprecated Dative Duals;
* ***Dative case —*** used for denoting the receiving end the an action of giving, as well as with various prepositions denoting an action *towards* some place or end/sake, such as "to", "for", "into", "onto"  
  (e.g. "I gave him **hard time**", "Let's go **Home**", "I did it for **you**");

**A-Declension**

This continued to serve as the "animate" declension, although it was no longer the *only* declension having genders, as animate nouns were now admissible in both the I-declension (as –IS nouns) and the Consonant declension (as a result of borrowing from the Insular languages).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Singular Masc. | *Nom* | -əs | -az | -əs | -e [[58]](#endnote-58) | -os | -Ø [[59]](#endnote-59) | -ə 2 |
| *Acc* | -o | -o | -o | -o | -o | -ɑ | -o |
| *Gen* | -ájdiː | -áɪði | -áɪði, -ɛːði [[60]](#endnote-60) | -éɾe | -ónte [[61]](#endnote-61) | -e(d) | -ǽɪ, -iː |
| *Dat* | -aw | -aʊ | -aʊ | -o | -a | -o | -uː |
| *Voc* | -e | -e | -e | -e | -e | -e | -e |
| *Loc* |  |  | -on | -on | -on | -ɑ | -on |
| *Inst* | -əm | -eŋ | -on | -e | -əm |
| Singular Fem. | *Nom* | -a: | -a | -a(ː) | -ɑ | -e | -ɑ | -a |
| *Acc* | -e | -e | -e | -e | -e | -e | -e |
| *Gen* | -ájdiː | -áɪði | -áɪði, -ɛːði 3 | -éɾe | -énte 4 | -e(d) | -ǽɪ, -iː |
| *Dat* | -aj | -aɪ | -aɪ | -e | -eɪ | -e | -iː |
| *Voc* | -e | -e | -e | -e | -e | -e | -e |
| *Loc* |  |  | -en | -en | -en | -e | -en |
| *Inst* | -ávi | -ɑ́β̞e | \*-ífaɪ > -íə | -ɑ(b) | -æɪ |

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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Plural Masc. | *Nom* | -ájes [[62]](#endnote-62), -iːs | -íz | -áɪs 5, -is | -íɾ | -óɪ [[63]](#endnote-63) | -is | -ǽɪ 5+6, -ʲə 2 |
| *Acc* | -éjes 5, -iːs | -iz | -éɪs 5, -is | -i 1 | \*-iəs > -es | -is | -eɪ |
| *Gen* | -ajsiː | -(a)ʃi | -ɛːsi | -ésːe [[64]](#endnote-64) | \*-íəɾaɪ > -íɽe | -es | -ɛːsi |
| *Dat* | -ṇ | -in | -ṇ | -en | -an [[65]](#endnote-65) | -ɑ | -nə |
| *Loc* |  |  | -éɪn 5, -in | -in | -in | -i | -in |
| *Inst* | -ame | -ɑme | -me | -(e)me | -(a)me |
| Plural Fem. | *Nom* | -aj | -áɪ | -aɪ |  | -eɪ | -e | -iː |
| *Acc* | -ej | -i | -eɪ | -iə | -i | -eɪ |
| *Gen* | -ajsiː | -(a)ʃi | -ɛːsi | \*-íəɾaɪ > -íɽe | -es | -ɛːsi |
| *Dat* | -ṇ | -in | -ṇ | -en | -an 8 | -ɑ | -nə |
| *Loc* |  |  | -éɪn | -ín | -íən | -i | -ɛ́ːn |
| *Inst* | -áme | -ɑ́me | -éme | -ɑ́me | -áme |
| Dual | *Nom* | -ṃ | -im | -ṃ | -ɑ́ŋ [[66]](#endnote-66) |  |  | -mə |
| *Acc* | -er | -eɹ | -er | -eɾ 9 | -er |
| *Gen* | -ándiː | -ándi | -ándi | -ɑ́nde 9 | -ándi |
| *Dat* | -áːme | -áme | *— became Instrumental Plurals —* | | | | |

A-Declension *iotated* paradigm (IA-nouns):

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Singular Masc. | *Nom* | -jəs | -jaz | -jəs | -je 1 | -os | -i 2 | -iː 2 |
| *Acc* | -jo | -jo | -jo | -jo | -o | -ɑ | -jo |
| *Gen* | -jájdiː | -jáði | -jáði, -jað 3 | -jéɾe | -ónte 4 | -e(d) | -jǽɪ, -jɛː |
| *Dat* | -jaw | -jaʊ | -jaʊ | -jo | -a | -o | -juː |
| *Voc* | -je |  | -je | -je | -e | -e | -je |
| *Loc* |  |  | -jon | -jon | -on | -ɑ | -jon |
| *Inst* | -jəm | -jeŋ | -on | -e | -jəm |
| Singular Fem. | *Nom* | -jaː | -ja | -ja(ː) | -jɑ | -a | -ɑ | -ja |
| *Acc* | -je | -je | -je | -je | -e | -e | -je |
| *Gen* | -jájdiː | -jáði | -jáði, -jað 3 | -jéɾe | -ánte 4 | -e(d) | -jǽɪ, -jɛː |
| *Dat* | -jaj | -jaɪ | -jaɪ | -je | -eɪ | -e | -jeː |
| *Voc* | -je |  | -je | -je | -e | -e | -je |
| *Loc* |  |  | -jen | -jen | -en | -e | -jen |
| *Inst* | -jávi | -jɑ́β̞e | \*-áfaɪ > -áɪ | -ɑ(b) | -jæɪ |
| Plural Masc. | *Nom* | -jájes 5, -jiːs | -jéz | -jáɪs 5, -jis | -jɑ́ɾ | -óɪ 6 | -es | -jes |
| *Acc* | -jéjes 5, -jeːs | -jez | -jes | -jeɾ | \*-iəs > -es | -is | -jes |
| *Gen* | -jajsiː | -jaʃi | -jɛːsi | -jésːe 7 | \*-íəɾaɪ > -íɽe | -es | -jɛːsi |
| *Dat* | -jən | -jan | -jən | -jen | -an 8 | -ɑ | -jən |
| *Loc* |  |  | -jen | -jen | -in | -e | -jen |
| *Inst* | -jáme | -jɑme | -me | -(e)me | -jame |

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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Plural Fem. | *Nom* | -jaj | \*-jáɪ > -jé | -jaɪ |  | -eɪ | -e | \*-jiː > -jeː |
| *Acc* | -jej | -je | -jeɪ | -iə | -i | -jeɪ |
| *Gen* | -jajsiː | -jaʃi | -jɛːsi | \*-íəɾaɪ > -íɽe | -es | -jɛːsi |
| *Dat* | -jən | -jan | -jən | -jen | -an 8 | -ɑ | -jən |
| *Loc* |  |  | -jen | -jen | -in | -e | -jen |
| *Inst* | -jáme | -jɑme | -éme | -éme | -jáme |
| Dual | *Nom* | -jəm | -jam | -jəm | -jɑ́ŋ 9 |  |  | -jəm |
| *Acc* | -jer | -jeɹ | -jer | -jeɾ 9 | -jer |
| *Gen* | -jándiː | -jándi | -jándi | -jɑ́nde 9 | -jándi |
| *Dat* | -jáːme | -jame | *— became Instrumental Plurals —* | | | | |

**I-Declension**

In Áltheran, a new declensional paradigm in –IS emerged from sporadic re-classification of some I-nouns as animate (either *masculine* or *feminine*, though mostly the latter), and from derivatives of –AS nouns.

Mágeran, Séracal and the Pálmeran family had all lost the Neuter gender, triggering the re-distribution of I-nouns among the two remaining genders: Mágeran re-classified some of the –I nouns as –IS nouns, distributing them mostly equally between the two genders, and moved all remaining I-nouns to the   
now-Masculine Consonant declension; Séracal assigned Feminine gender to all \*-IS > -I nouns, and Masculine gender to all \*-I > -E nouns; and in Pálmeran, the I-declension had completely merged with the (Masculine) Consonant declension.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Singular | *Nom* | -iː | -i | -is, -i | -i 1, -e | -is [[67]](#endnote-67) | -Ø | -iː [[68]](#endnote-68), -i |
| *Acc* | -o | -o | -o | -o | -i [[69]](#endnote-69) | -ɑ | -o, -je 11+12 |
| *Gen* | -éjdiː 5, -idiː | -éɪði | -iði 3 | -iɾe | -ínte 4 | -e(d) [[70]](#endnote-70) | -iː |
| *Dat* | -ju | -jo | -ju | -jo | -a | -o 13 | -ju |
| *Loc* |  |  | -on | -on | -in 12 | -ɑ | -on, -jen 11+12 |
| *Inst* | -im, -ívi | -iŋ, -íβ̞e | \*-áɪfaɪ > -áɪ | -e 13 | -im, -iː |
| Plural | *Nom* | -éjes 5, -iːs | -íz | -éɪs 5, -is | -íɾ | \*-iəs > -es | -is | -éɪ 5+6, -ʲə 2 |
| *Acc* | -ójes 5, -wiːs | -wiz | -óɪs 5, -wis | -(w)i 1 | -ys | -is | -wis |
| *Gen* | -ejsiː | -eʃi | -isi | -ísːe 7 | \*-áɪɾaɪ > -á(ɾ)ʝe | -es 13 | -isi |
| *Dat* | -jən | -jan | -jən | -jen | -on | -ɑ | -jən |
| *Loc* |  |  | -óɪn 5, -win | -(w)in | -yn | -i | -win |
| *Inst* | -íme | -ime | -áɪme | -(e)me 13 | -ime |
| Dual | *Nom* | -em | -em | -em | -éŋ 9 |  |  | -em |
| *Acc* | -or | -oɹ | -or | -ɔɾ 9 | -or |
| *Gen* | -éndiː | -éndi | -éndi | -énde 9 | -éndi |
| *Dat* | -íːme | -ime | *— became Instrumental Plurals —* | | | | |

**U-Declension**

As with the I-declension, this one also underwent gender re-distribution in Mágeran, Séracal and the Pálmeran family: Mágeran re-classified U-nouns as Feminine A-nouns; Séracal assigned Masculine gender to all U-nouns; and in Pálmeran, the U-declension had completely merged with the (Masculine) Consonant declension.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Singular | *Nom* | -uː | -u | -u | -o | -a [[71]](#endnote-71) | -Ø | -u |
| *Acc* | -ój 5, -wi | -éɪ, -i | -óɪ 5, -wi | -u | -e 14 | -ɑ 13 | -ǿʏ 5, -wi |
| *Gen* | -ójdiː 5, widiː | -éɪði | -wiði 3 | -(w)iɾe | -ánte 4+14 | -e(d) 13 | -wiː |
| *Dat* | -ow | -u | -oʊ | -u | -eɪ 14 | -o | -oʊ |
| *Loc* |  |  | -óɪn 5, -win | -un | -en 14 | -ɑ 13 | -ǿʏn 5, -win |
| *Inst* | -um | -um | -áɪ 14 | -e 13 | -um |
| Plural | *Nom* | -ójes 5, -wiːs | -wíz | -óɪs 5, -wis | -úɾ | -eɪ 14 | -is | -ǿʏ 5+6, -es 12 |
| *Acc* | -ójes 5, -wiːs | -wiz | -óɪs 5, -wis | -(w)i 1 | -iə 14 | -is | -wis |
| *Gen* | -wisiː | -weʃi 11 | -wisi | -(w)ísːe 7 | -íɽe 14 | -es 13 | -wisi |
| *Dat* | -wən | -wan | -wən | -(w)en | -an 8+14 | -ɑ 13 | -wən |
| *Loc* |  |  | -win | -(w)in | -in 14 | -i | -win |
| *Inst* | -úme | -úme | -éme 14 | -(e)me 13 | -ume |
| Dual | *Nom* | -om | -om | -om |  |  |  | -om |
| *Acc* | -ójer 5, -wiːr | -wiɹ | -wir | -er 12 |
| *Gen* | -óndiː | -óndi | -óndi | -óndi |
| *Dat* | -úːme | -ume | *— became Instrumental Plurals —* | | | | |

U-Declension *iotated* paradigm (IU-nouns):

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Singular | *Nom* | -juː | -ju | -ju | -jo | -os [[72]](#endnote-72) | -i | -ju |
| *Acc* | -jój | \*-jéɪ > -je | -jo | -ju | -o 15 | -e | -jo |
| *Gen* | -jójdiː | -jéði | -jóði 3 | -jóɾe | -ónte 4+15 | -jɑ(d) | -jǿʏ |
| *Dat* | -jow | -ju | -joʊ | -ju | -a 15 | -o | -joʊ |
| *Loc* |  |  | -jon | -jun | -on | -e | -jon |
| *Inst* | -jum | -juŋ | -on 15 | -e | -jum |
| Plural | *Nom* | -jójes 5, -jiːs | -jéz | -jós 5, -jes | -jóɾ | -óɪ 15 | -es | -jes |
| *Acc* | -jójes 5, -jiːs | -jez | -jós 5, -jes | -jeɾ | -es 15 | -es | -jes |
| *Gen* | -jójsiː | -jeʃi | -jósi | -jósːe 7 | -íɽe 15 | -ɑs | -jósi |
| *Dat* | -jən | -jan | -jən | -jen | -an 8 | -ɑ | -jən |
| *Loc* |  |  | -jen | -jen | -in 15 | -e | -jen |
| *Inst* | -júme | -júme | -me 15 | -me | -jume |

*Continued on next page* ⮱

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Dual | *Nom* | -jom | -jom | -jom |  |  |  | -jom |
| *Acc* | -jójer 6, -jiːr | -jeɹ | -jer | -jer |
| *Gen* | -jóndiː | -jóndi | -jóndi | -jóndi |
| *Dat* | -júːme | -jume | *— became Instrumental Plurals —* | | | | |

**Consonant Declension**

This was the fastest-growing declension in Áltheran and its descendants, owing to its being a "collector" to foreign borrowings (mainly from the Insular and Pálmeran branches), derivative nouns from verbs and adjectives, as well as onomatopoeic sounds. By the time of Classical Áltheran, it included nouns of all three genders, but was still predominantly Neuter.

Classical Áltheran allowed nouns and adjectives to end either in vowels or in -r, -l, -m, -n, -w, -j, -θ or –s, thus all consonant nouns *not* ending with one of these, were suffixed with –s. At later stages this rule was not adhered as strictly, so by the time of Common Erdahalión, this declension was split into two separate paradigms — Neuter nouns in –S, and Masculine/Feminine nouns in other consonants. A similar split has occurred in Mágeran, where originally Neuter (now Masculine) nouns have retained their –S ending, but new Masculine nouns from the I-declension haven't received one.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Singular | *Nom* | -Ø | -Ø | -s, -Ø | -Ø [[73]](#endnote-73), -e | -s, -Ø [[74]](#endnote-74) | -Ø | -s, -Ø |
| *Acc* | -ə | -a | -a | -ɑ | -e | -ɑ | -a |
| *Gen* | -ediː | -eði | -eði 3 | -(e)ɾe | -ýnte 4 | -e(d) | -eɪ |
| *Dat* | -o | -o | -o | -o | -o | -ɑ | -o |
| *Loc* |  |  | -an | -ɑn | -en | -ɑ | -an |
| *Inst* | -əm, -ávi | -eŋ | -on | -e | -əm, -æɪ |
| Plural | *Nom* | -es, -i 5 | -éz, -e 5 | -es, -i 5 | -ɑ́ɾ | -es | -is 13 | -es |
| *Acc* | -es | -ez | -es | -eɾ | -es | -is 13 | -es |
| *Gen* | -siː | -(i)ʃi 12 | -si | -se | \*-saɪ > -se 12 | -es 13 | -si |
| *Dat* | -ṇ | -in | -ṇ | -en | -an 8 | -ɑ | -nə |
| *Loc* |  |  | -en | -en | -en | -i 13 | -en |
| *Inst* | -(ə)me | -(e)me | -me | -(e)me | -(ə)me |
| Dual | *Nom* | -ṃ | -im | -ṃ |  |  |  | -mə |
| *Acc* | -or | -oɹ | -or | -or |
| *Gen* | -éndiː | -éndi | -éndi | -éndi |
| *Dat* | -əme | -ame | *— became Instrumental Plurals —* | | | | |

**Reflexes in morphology:** adjectives

**A-Declension adjectives**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Singular Masc. | *Nom* | -o | -o | -o | -o | -o | -ɑ | -o |
| *Acc* | -ə | -a | -a | -a | -a | -ɑ | -a |
| *Gen* | -es | -ez | -es | -eɾ | -es | -es | -es |
| *Dat* | -aw | -aʊ | -aʊ | -o | -a | -o | -uː |
| *Loc* |  |  | -an | -ɑn | -en | -ɑ | -an |
| *Inst* | -om | -oŋ | -on | -ɑ | -om |
| Singular Fem. | *Nom* | -ə | -a | -a | -a | -a | -ɑ | -a |
| *Acc* | -e | -e | -e | -e | -e | -e | -e |
| *Gen* | -əs | -az | -əs | -e [[75]](#endnote-75) | -os | -Ø [[76]](#endnote-76) | -ə 2 |
| *Dat* | -aj | -aɪ | -aɪ | -e | -eɪ | -e | -iː |
| *Loc* |  |  | -en | -en | -en | -e | -en |
| *Inst* | -ávi | -ɑ́β̞e | \*-ífaɪ > -íə | -ɑ(b) | -æɪ |
| Singular Neut. | *Nom* | -e | -e | -e | -e | -e | -e | -e |
| *Acc* | -o | -o | -o | -o | -o | -ɑ | -o |
| *Gen* | -es | -ez | -es | -eɾ | -es | -es | -es |
| *Dat* | -aw | -aʊ | -aʊ | -o | -a | -o | -uː |
| *Loc* |  |  | -on | -on | -on | -ɑ | -on |
| *Inst* | -em | -eŋ | -en | -e | -em |
| Plural | *Nom* | -aj | -aɪ | -aɪ | -e | -eɪ | -e | -iː |
| *Acc* | -ej | -i | -eɪ | -i | -iə | -i | -eɪ |
| *Gen* | -ajsiː | -(a)ʃi | -ɛːsi | -ésːe [[77]](#endnote-77) | \*-íəɾaɪ > -íɽe | -es | -ɛːsi |
| *Dat* | -ṇ | -in | -ṇ | -en | -an [[78]](#endnote-78) | -ɑ | -nə |
| *Loc* |  |  | -éɪn | -ín | -íən | -i | -ɛ́ːn |
| *Inst* | -áme | -ɑ́me | -éme | -ɑ́me | -áme |
| Dual | *Nom* | -ṃ | -im | -ṃ | -ɑ́ŋ [[79]](#endnote-79) |  |  | -mə |
| *Acc* | -or | -oɹ | -or | -oɾ 5 | -er |
| *Gen* | -en | -en | -en | -en 5 | -en |
| *Dat* | -áːme | -áme | *— became Instrumental Plurals —* | | | | |

**I-Declension adjectives**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Singular | *Nom* | -iː | -i | -i | -e | -aɪ | -Ø | -i |
| *Acc* | -jo | -jo | -jo | -jo | -o | -ɑ | -jo |
| *Gen* | -iːs | -iz | -is | -i 1 | -is | -Ø 2 | -ʲə 2, -is [[80]](#endnote-80) |
| *Dat* | -ju | -jo | -ju | -jo | -a | -Ø | -ju |
| *Loc* |  |  | -jon | -jon | -on | -o | -jon |
| *Inst* | -im, -ívi | -iŋ, -íβ̞e | \*-áɪfaɪ > -áɪ | -i | -im, -iː |
| Plural | *Nom* | -ej | -i | -eɪ | -i | -iə | -i | -eɪ |
| *Acc* | -jes | -jez | -jes | jeɾ | \*-iəs > -es | -is | -jes |
| *Gen* | -ejsiː | -eʃi | -isi | -ísːe 3 | \*-áɪɾaɪ > -á(ɾ)ʝe | -is | -isi |
| *Dat* | -jən | -jan | -jən | -jen | -an 4 | -ɑ | -jən |
| *Loc* |  |  | -jen | -jen | -in | -e | -jen |
| *Inst* | -íme | -ime | -áɪme | -(e)me | -ime |
| Dual | *Nom* | -em | -em | -em | -éŋ 5 |  |  | -em |
| *Acc* | -or | -oɹ | -or | -ɔɾ 5 | -or |
| *Gen* | -jen | -jen | -jen | -jen 5 | -jen |
| *Dat* | -íːme | -ime | *— became Instrumental Plurals —* | | | | |

**Consonant Declension adjectives**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | Com. Cont'l | Ánderan | Áltheran | Séracal | Mágeran | C. Pálm. | C. Érdahal |
| Singular | *Nom* | -Ø | -Ø | -s, -Ø | -Ø [[81]](#endnote-81), -e | -s, -Ø | -Ø | -s, -Ø |
| *Acc* | -ə | -a | -a | -ɑ | -e | -ɑ | -a |
| *Gen* | -es | -ez | -es | -eɾ | -es | -es | -es |
| *Dat* | -e | -e | -e | -e | -e | -e | -e |
| *Loc* |  |  | -an | -ɑn | -en | -ɑ | -an |
| *Inst* | -əm, -ávi | -eŋ, -ɑ́β̞e | -on, - íə | -e | -əm, -æɪ |
| Plural | *Nom* | -es, -i [[82]](#endnote-82) | -éz, -e 8 | -es, -i 8 | -ɑ́ɾ | -es | -es | -es |
| *Acc* | -es | -ez | -es | -eɾ | -es | -es | -es |
| *Gen* | -siː | -(i)ʃi[[83]](#endnote-83) | -si | -se | \*-saɪ > -se 9 | -s | -si |
| *Dat* | -ṇ | -in | -ṇ | -en | -an 8 | -ɑ | -nə |
| *Loc* |  |  | -en | -en | -en | -e | -en |
| *Inst* | -(ə)me | -(e)me | -me | -(e)me | -(ə)me |
| Dual | *Nom* | -ṃ | -im | -ṃ | -ɑ́ŋ 5 |  |  | -mə |
| *Acc* | -or | -eɹ | -or | -oɾ 5 | -or |
| *Gen* | -en | -en | -en | -en 5 | -en |
| *Dat* | -əme | -ame | *— became Instrumental Plurals —* | | | | |

**Reflexes in morphology:** verbs

Verb conjugation in Common Continental was conservative, keeping the entire complicated system of Proto-Vórean intact. Áltheran had introduced the *augment*  u– (w– before vowels) to be placed before all Aorist tense forms, and eliminated Dual number forms in all but the most formal occasions, so by the time of Classical Áltheran, Dual verb endings were virtually non-existent.

Daughter languages of Áltheran have greatly simplified the conjugation system, each in its own fashion:

* ***Mágeran and Séracal*** have both discarded the Imperfect tense, employing the Aorist instead, while also discarding the Th-Perfect and normalizing N-Perfect derivatives to create a complete secondary *perfect* tense system. Likewise, both languages have merged the Mediopassive and Reflexive voices, and created a new Future tense using the *stem* + the Present tense of the auxiliary verb *ir-* ("*go*");
* The***Erdahalión*** branch has dropped both the Aorist and Imperfect tenses, employing the Th-Perfect as the basic past tense. It has later created an *imperfective* system using Habitual derivative stems, and a *perfect* system using N-Perfect derivatives. In addition, the original Passive and Reflexive voices were discarded, surviving only in *deponent verbs*, and passivity/reflexivity came to be expressed using either (1) the *impersonal* "*they*" with the subject in the Accusative case, or (2) the reflexive clitic –s(i)*.*
* The ***Pálmeran*** branch was the most radical, leaving only the Perfect to be used as Past tense, and the (augmented) Aorist for the Subjunctive mood. It has created a new Present tense based on the Imperative, and a new Future tense based on the auxiliary verb *ew-* ("*be*") + the Imperative;

Gerunds, gerundives and verbal nouns were largely preserved unchanged in all daughter languages, while the Supine came to be used as the Infinitive in all the descendants of Áltheran.

Of the verbs derivation system, only the Habituals and Frequentatives were still productive in Classical Áltheran, while the N-Perfect was normalized in two branches (as stated above), and ceased to pe productive elsewhere. New derivational patterns arose separately in Ánderan and Áltheran from older prepositions, and a second time in Common Erdahalión, from newer prepositions (see section below).

**Preterite-present verbs**

These were fossilized in Ánderan Áltheran, with their Past tense and the other missing parts still formed using the *result noun* + the auxiliary verb *\*ew-* . Notice that the Present tense of these verbs in Áltheran has *not* received the *augment* and was therefore no longer identical to the normal Aorist. The descendants of Áltheran have gradually normalized the conjugation of most such nouns.

**Prepositional derivatives in Áltheran**

These included derovative verbs conjugated by adding a *prefix* before the main verb stem, with the prefix being based on common prepositions, most of then having to do with *location* and/or *motion*:

* ***Causative*** — the new Causative derivation has appered in Post-classical Áltheran after the old ones have fossilized. It was based on the preposition ***go*** or ***ga*** (both variants of Proto-vorean *\*gu "to"*, the latter through Gréetyan) and expressed *causing, enabling* or *forcing* of an action. It was formed by the prefix *ga-* ;

* ***Intensives*** — expressed *intensity, forcefulness* or *completeness* of the action described. There were two variants, one based on the preposition ***na*** (*"on"*) and formed by the prefix *na-* , and the other based on the preposition ***tu*** (*"over", "also", "and"*
* ###########################################).;
* ***Excessive*** — similar to the Intensive, but additionally conveying the excessiveness (i.e. *“*to X *all over*”)of the action described. It was based on the preposition ***na*** (*"on"*). Formed by the prefix *na-* ;

**III. Erdahalión family**

**Reflexes in daughter languages**

**Consonants**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| C. Erdahal | Córderan | Néteran | Southern Nét. | Téleran | Western Tel. |
| p | p-, f | p | p, -b-, -b# | p, b [[84]](#endnote-84) | p-, v, Ø# |
| t | t-, s | t, d [[85]](#endnote-85) | t, -d-, -d#, d 2 | t, d 1 | t, -ð/ɹ-, -d, Ø# [[86]](#endnote-86) |
| ʦ | ʦ | ʦ, ʧ [[87]](#endnote-87) | ʦ, ʧ 4 | ʦ, zː 1 | s, z 1 |
| k | k-, x, (ʨ-, ɕ) [[88]](#endnote-88) | k, ʧ 5 | k, ʧ 5, -g-, -g#, -ɪ̯ [[89]](#endnote-89) | k, g 1, (ʧ, ʤ 1) [[90]](#endnote-90) | k-, g, (ʃ-, ʒ) [[91]](#endnote-91) |
| b | b-, v | b | b, -v- | b-, v | b-, Ø |
| d | d-, z | d | d, -Ø- | d-, z | d-, Ø |
| ʣ | ʣ | z, ʒ 4 | z, ʤ~ʒ 4 | z, j 1 | z, j 1 |
| g | g-, ɣ, (ʥ-, ʑ) 5 | g, ʤ 5, -ɪ̯ 6 | g, ʤ~ʒ 5, -Ø-, -ɪ̯ 6 | g-, ɣ, (ʤ-, j) 7 | g-, Ø, (ʒ-, j) 8 |
| f | p-, f | f, -v- | f, -v- | f | f, -v- |
| θ | t-, s | θ, -ð- | t, -d- | #t-, s, ʃ [[92]](#endnote-92), t [[93]](#endnote-93) | θ, -ð- |
| ʃ | ʃ | ʃ | ʃ | ʃ | ʃ |
| x, ç [[94]](#endnote-94) | ħ, ʃ 11 | x, ç 11 | x, ç 11 | #kx-, x | #k-, ʃ |
| h | Ø, -ʕ- | h | h | h, -ɦ- | Ø |
| v | b, -v- | v | v | v | v-, Ø |
| ð | d, -z- | ð | d | ʁ | ɹ-, Ø |
| ʒ | ʒ | ʒ | ʤ~ʒ | j | #ʒ-, j |
| s | s | s, z [[95]](#endnote-95) | s, z 12 | s, ʃ 9 | s, -z-, -z# |
| sp | sp | sp | sp | sp | #sp, p |
| st | st | st | st | st | #st, t |
| sː | sː | s(ː) | s | sː, ʃ 9 | s |
| sk | sk, ʃ 5 | sk, ʃ 5 | sk, ʃ 5 | sk, ʃ 7 | #sk, k, ʃ 8 |
| m | m | m, Ø [[96]](#endnote-96) | m, Ø 13 | m | m, -n# |
| n | n, ɲ 7 | n, ɲ 4, Ø 13 | n Ø 13 | n | n, ɲ 4 |
| r | ʁ̞ | ɾ, -r, (-ɾʲ-, rʲ) 4 | r~ʁ | r | r |
| l | l, ʎ 7 | l, ʎ 4 | l | l, ɫ [[97]](#endnote-97) | l, ʎ 4 |
| w | Ø, -ʕ- | w, -j- [[98]](#endnote-98) | w, -j- 15 | w | #v-, w-, v |
| j | j | j | j | j | #ʒ-, j |

**Vowels**

Common Erdahalión, like eventually all the other descendants of Áltheran, has lost its original long vowels through regular sound changes. However, it phonemicized a *new* set of long vowels, following the loss of inter/post-vocalic v, ð and ɣ — which were subsequently also lost in all daughter languages save Corderan / Kordorras. Eventually, a third set of long vowels and diphthongs was formed in *Western Téleran* as a result of another round of intervocalic loss, but by the early modern period it has also all but disappeared.

Vowel sandhi in Common Erdahalión:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | -v/ð/ɣ | -a | -ə | -ɛː | -e | -i | -ɔː | -o | -u | -aɪ | -eɪ | -oɪ | -aʊ | -eʊ | -oʊ |
| Stressed | á- | aː | aː | a | aː | æɪ | | aː | ɑʊ | | æɪ | | | ɑʊ | | |
| ɛ́ː- | ɛː | æːɑ | | ɛː | eː | eɪ | eːo | | | eɪ | | | \*eʊ > iːʊ | | |
| é- | eː | eː | |
| í- | iː | ja | i | je | | iː | jo | | iːʊ | jæɪ | je | jøʏ | jɑʊ | ju | joʊ |
| ɔ́ː- | ɔː | ɔː | | ɔː | \*oɪ > øʏ | | ɔː | oː | oʊ | \*oɪ > øʏ | | | oʊ | | |
| ó- | oː | oː | o | oː | oː | |
| ú- | uː | wa | u | we | | wi | wo | | uː | wæɪ | weɪ | wøʏ | wɑʊ | wi | wo |
| Unstressed | a- | aː | aː | a | ɛː | eː | æɪ | ɔː | oː | ɑʊ | æɪ | eɪ | øʏ | ɑʊ | iːʊ | oʊ |
| ə- | iː | uː |
| ɛː- | ɛː | æːɑ | | ɛː | eː | eɪ | eːo | | iːʊ |
| e- | eː | ja | | eː | | eɪ | jo | | ju | jæɪ | je | jøʏ | jɑʊ | ju | joʊ |
| i- | iː | je | | iː |
| ɔː- | ɔː | ɔː | | ɔː | \*oɪ > øʏ | | ɔː | oː |  | æɪ | eɪ | øʏ | ɑʊ | iːʊ | oʊ |
| o- | oː | wa | | we | | wi | oː | | oʊ | wæɪ | weɪ | wøʏ | wɑʊ | wi | wo |
| u- | uː | wo | | uː |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| C. Erdahal | Córderan | Néteran | Nét. umlaut [[99]](#endnote-99) | Téleran [[100]](#endnote-100) | Western Tel. |
| a | ɑ́, ə | á, ʌ [[101]](#endnote-101), ə | é, ɛ | a | a, (ɛ́, Ø) [[102]](#endnote-102) |
| ə |
| e | ɛ | é, ɛ | í, ɪ | e | ɛ́, Ø |
| i | ɪ | í, ɪ, (-e#) [[103]](#endnote-103) | \*iə > já, jə | é, i, Ø 18, -e/Ø# | ɛ́, i, -Ø# |
| o | ɔ | ó, ɔ | é, ɛ | o | ɔ, -Ø# |
| u | ʊ | ú, ʊ | ý, ʏ | ó, u, Ø 18, -o# | ɔ́, y, -Ø# |
| aː | aː | á, ʌ 18, ə | é, ɛ | a | a, (ɛ́, Ø) 19 |
| ɛː | ɛ | já, jə | jé, jɛ | jé, i | #ʒá, já, i |
| eː | eː | é, ɛ | í, ɪ | e, i [[104]](#endnote-104) | ɛ́, i 21, Ø |
| iː | iː | í, ɪ | \*iə > já, jə | i | i |
| ɔː | ɔ | wá, wə | wé, wɛ | wé, u | #vá, wá, y |
| oː | oː | ó, ɔ | é, ɛ | o, u 21 | ɔ, y 21 |
| uː | uː | ú, ʊ | ý, ʏ | u | y |
| æɪ | aɪ | aɪ | eɪ | ɛː | ɛ |
| eɪ | eɪ | eɪ, eː [[105]](#endnote-105) | \*iɪ > \*əɪ > aɪ | \*iː > \*əɪ > aɪ |
| øʏ | uɪ | ǿ, œ | eɪ | ɛɪ | i |
| ɑʊ | ɔ | aʊ | \*eʊ > ejɔ | ɔː | u |
| oʊ | oː | oʊ, oː 22 | uː |
| æːɑ | eɪ | éjə, ɛjá, ɛjə | \*iːe > iwɛ | ja | ɛ |
| eːo | jo | éjɔ, ɛjó, ɛjɔ | jo | u |
| iːʊ | ju | ý, ʏ | \*yə > wá, wə | \*yː > \*ɵʏ > ɔɪ | œ |
| mə | əm, ɛm# | #əm, ɛm | #ɛm, ɪm | ma, -Ø# | ma, (mɛ́, m) 19, -Ø# |
| nə | ən, ɛn# | #ən, ɛn | #ɛn, ɪn | na, -Ø# | na, (nɛ́, n) 19, -Ø# |
| rə | əʁ̞, ɛr# | #ər, ɛr | #ɛr, ɪr | ra, -Ø# | ra, (rɛ́, r) 19, -Ø# |
| lə | əl, ɛl# | #əl, ɛl | #ɛl, ɪl | la, -Ø# | la, (lɛ́, l) 19, -Ø# |

**Reflexes in morphology:** nouns

Sound shifts from Áltheran to Common Erdahalion have caused some reshuffling of declension paradigms. In particular, elided final unstressed –AS in the nominative masculine singular of A-nouns has created two new declensions: the *Schwa (Ə) Declension* from former –AS nouns, which in all daughter languages except Córderan / Kórdorras has merged with the Consonant declension; and the *Masculine Long-I (Ī) Declension* from former –IAS nouns*.* Additionally, elided final unstressed –IS in the nominative masculine plural of the A-nouns and I-nouns had left trace palatalization on the previous sound, which triggered various *"broken plural"* mutations in Néteran and Córderan / Kórdorras.

Áltheran –IS nouns had been reclassified as *Feminine Long-I (Ī)* nouns before the final-S elision described above had taken place.

The Dual number, already serving as a Paucal or Partitive Plural in later Áltheran, has also taken the role of a Collective or Group Plural (as opposed to Generic Plural) in Common Erdahalión, a role that was preserved in Córderan and Kórdorras. In the other daughter languages, however, it has slowly disappeared, with only traces remaining as special plural forms for a small amount of words such as body parts and numbers.

Regarding the inflectional system, each of the Erdahalión languages has simplified it to various degrees:

* ***Néteran*** was the most conservative of the lot, preserving all six cases and three genders;
* ***Téleran*** simplified the system to a two-gender, three-case one, with the Locative case merging with the Nominative, the Dative with the Instrumental to form the Oblique case, and the Genitive disappearing completely in favor of the *Construct State* and possessive endings;
* ***Western Téleran*** went even further as to completely discard cases in favor of a strict word order;
* ***Córderan*** retained three of the original cases: the Nominative, Accusative and Genitive, and folded the other three with the Nominative, now doubling as a "prepositional" case. It has also lost gender distinction, only to later restore the Feminine gender using new endings;
* ***Kórdorras***, in addition to the simplifications of Córderan, has also merged the Nominative and Accusative, remaining with only two cases and relying on strict word order **—** thus having an analytic system very similar to that of Western Teleran and Fysk.

**Schwa (Ə) Declension**

Also called the *Short-A declension*, it contains Masculine nouns corresponding to Áltheran –AS nouns. In Néteran, Téleran and Western Téleran, it has completely merged with both the *Consonant declension* and the *Short-I declension*. In Córderan and Kórdorras, it has briefly merged with the Feminine A-declension, before being split again by means of new feminine endings.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. [[106]](#endnote-106) | Western Tel. |
| Singular | *Nom* | -ə | -ə | -Ø, -as [[107]](#endnote-107) | -Ø | -Ø | -Ø |
| *Acc* | -o | -o | -o | -a [[108]](#endnote-108) | -a |
| *Gen* | -ǽɪ, -iː | -iː | -i |  | | -i |
| *Dat* | -uː |  | -u | -o 3 | -o |  |
| *Loc* | -on | -on |  | |
| *Inst* | -əm | -am |
| *Voc [[109]](#endnote-109)* | -e | -ɛ | -e |
| Plural | *Nom* | -ǽɪ [[110]](#endnote-110), -ʲə | -áɪ | -Ø\* [[111]](#endnote-111) | -ɛː | -i | -ɛ |
| *Acc* | -eɪ | -eɪ | -es\* 3+[[112]](#endnote-112) | -es 3 | -e |
| *Gen* | -ɛːsi | -(ɛ)sɪ | -i\* 3+7 |  | | -iz |
| *Dat* | -nə |  | -en | -an 3 | -an |  |
| *Loc* | -in | -in |  | |
| *Inst* | -(a)me | -(a)me |
| Part. | *Nom* | -mə | -ɛm, (-ɛ, -ɔʁ̞) [[113]](#endnote-113) | -em [[114]](#endnote-114) | *— no partitive forms —* | | |
| *Acc* | -er | -ɛʁ̞, -ɔʁ̞ [[115]](#endnote-115) | -er 9 |
| *Gen* | -ándi | -ɑ́ndɪ | -ándi 9 | *— evolved into the –NDI genitive suffix —* | | |

**A-Declension**

Contains Feminine nouns corresponding to Áltheran A-nouns, as well as a few Masculine borrowings from the Insular and Fysk languages. In Córderan and Kórdorras, new Feminine noun markers have emerged:   
-t in the Singular, based on diminutive suffixes, and *stressed* –́n in the Plural, borrowed from Séracal. The Partitive in Córderan languages has no feminine forms.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Singular | *Nom* | -a | -ət, -ɛt 10 | -a | -a | -at [[116]](#endnote-116) | -Ø [[117]](#endnote-117) |
| *Acc* | -e | -ɛt | -e | -e | -et 11 |
| *Gen* | -ǽɪ, -iː | -iːt | -aɪ |  | | -ɛ |
| *Dat* | -iː |  | -i | -aɪ [[118]](#endnote-118) | -a |  |
| *Loc* | -en | -en |  | |
| *Inst* | -æɪ | -aɪ |
| *Voc 4* | -e | -ɛ | -e |

*Continued on next page* ⮱

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Plural | *Nom* | -iː | -ɑ́n | -i | -i | -Ø | -i |
| *Acc* | -eɪ | -éɪn | -eɪ | -aɪ | -ɛ́ɪ |
| *Gen* | -ɛːsi | -ɛ́nsɪ | -is [[119]](#endnote-119) |  | | -iz |
| *Dat* | -nə |  | -en | -an 14 | -an |  |
| *Loc* | -ɛ́ːn | -jan |  | |
| *Inst* | -áme | -áme |
| Part. | *Nom* | -mə |  | -em 9 | *— no partitive forms —* | | |
| *Acc* | -er | -er 9 |
| *Gen* | -ándi | -ándi 9 | *— evolved into the –NDI genitive suffix —* | | |

A-Declension *iotated* paradigm (IA-nouns), all Feminine:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Singular | *Nom* | -ja | \*-jat > -iːt [[120]](#endnote-120) | -ja | -ja | -jat 11 | -i [[121]](#endnote-121) |
| *Acc* | -je | -jɛt | -je | -je | -jet 11 |
| *Gen* | -jǽɪ, -jɛː | -jɛt | -jas [[122]](#endnote-122) |  | | -jɛ |
| *Dat* | -jeː |  | -je | -i 13 | -i |  |
| *Loc* | -jen | -jen |  | |
| *Inst* | -jæɪ | -jaɪ |
| *Voc 4* | -je | -jɛ | -je |
| Plural | *Nom* | -jeː | -jɑ́n | -je | -je | -je | -iz [[123]](#endnote-123) |
| *Acc* | -jeɪ | -jɛ́n | \*-jeɪ > -jes 15 | -jaɪ | -je |
| *Gen* | -jɛːsi | -jɛs | \*-jasi > \*-jese > -jes |  | | -jɛz |
| *Dat* | -jən |  | -jan | -jan | -jan |  |
| *Loc* | -jen | -jen |  | |
| *Inst* | -jáme | -jáme |
| Part. | *Nom* | -jəm |  | -jam 9 | *— no partitive forms —* | | |
| *Acc* | -jer | -jer 9 |
| *Gen* | -jándi | -jándi 9 | *— evolved into the –NDI genitive suffix —* | | |

**Masculine Ī-Declension**

Contains Masculine nouns corresponding to Áltheran –IAS nouns. In Néteran and Téleran, it has at least partially merged with the Feminine Ī-Declension.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Singular | *Nom* | -iː | -iː | -i | -i | -i | -i |
| *Acc* | -jo | -jɔ | \*-jo > -ejo | \*-jo > -ja 14 | -ja |
| *Gen* | -jǽɪ, -jɛː | -jɛ | -ja |  | | -jɛ |
| *Dat* | -juː |  | -ju | -jo | -jo |  |
| *Loc* | -jon | \*-jon > -ejon |  | |
| *Inst* | -jəm | -jam |
| *Voc 4* | -je | -jɛ | -je |
| Plural | *Nom* | -jes | -jɛ | -jes | -aɪ 15 | -e | - iz 18 |
| *Acc* | -jes | -jɛ | -jes | -jes | -je |
| *Gen* | -jɛːsi | -jɛs | \*-jasi > \*-jese > -jes |  | | -jɛz |
| *Dat* | -jən |  | -jan | -jan | -jan |  |
| *Loc* | -jen | -jen |  | |
| *Inst* | -jame | -jame |
| Part. | *Nom* | -jəm | -jəm, (-jə, -jɔʁ̞)8 | -jam 9 | *— no partitive forms —* | | |
| *Acc* | -jer | -jɛʁ̞, -jɔʁ̞ 10 | -jer 9 |
| *Gen* | -jándi | -jɑ́ndɪ | -jándi 9 | *— evolved into the –NDI genitive suffix —* | | |

**Feminine Ī-Declension**

Contains Feminine nouns corresponding to Áltheran –IS nouns. In Córderan and Kórdorras, nouns have received the new Feminine –t and –n endings, just like in the A-declension.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Singular | *Nom* | -iː | -iːt | -i, -is [[124]](#endnote-124) | -i | -i | -i |
| *Acc* | -je | -jɛt | -je, -i 19 | -je | -i |
| *Gen* | -iː | -iːt | -i |  | | -i |
| *Dat* | -ju |  | -je [[125]](#endnote-125) | -jo | -jo |  |
| *Loc* | -jen | -jen |  | |
| *Inst* | -iː | -i |
| Plural | *Nom* | -éɪ | -éɪn | -jes [[126]](#endnote-126), -es 19 | -aɪ | -e | -ɛ |
| *Acc* | -wis | -ɪ́n | -jes 21 | -jes 21 | -je |
| *Gen* | -isi | -ɪ́nsi | -jes 21 |  | | -iz |
| *Dat* | -jən |  | -jan | -jan | -jan |  |
| *Loc* | -win | -win |  | |
| *Inst* | -ime | -ime |
| Part. | *Nom* | -em |  | -em 9 | *— no partitive forms —* | | |
| *Acc* | -or | -or 9 |
| *Gen* | -éndi | -éndi 9 | *— evolved into the –NDI genitive suffix —* | | |

**Short I-Declension**

Contains Masculine and Neuter nouns. In Téleran, Western Téleran and Néteran (under the influence of the other two), the Singular Nominative –I ending has shifted to –E, and the declension came to be known as the **E-Declension**. In all these languages, it has later completely merged with both the *Consonant declension* and the *Schwa declension*.

In Córderan and Kórdorras, the residue palatalization from elided Áltheran –IS has resulted in so-called *"broken plurals"* in which the root vowels of the noun mutated in various, not always predictable ways, somewhat similar to the I-umlaut plurals in Néteran:

|  |  |  |
| --- | --- | --- |
| *Noun type* | *Broken plural* | *Example* |
| CVCCi | CVĈVC | súbhi /'sʊvħɪ/ (*"alligator"*) → subbúh /sʊb'bʊħ/ (*"aligators"*) |
| (C)CVCi | eCCVC | tgáni /'dgɑnɪ/ (*"crown"*) → etgán /ɛd'gɑn/ (*"crowns"*)  cáasi /'kaːsɪ/ (*"imp"*) → eccáas /ɛk'kaːs/ (*"imps"*) |
| V(C)CV́(C)Ci | V(C)CV́(C)C | yránti /iː'ʁ̞ɑntɪ/ (*"coin"*) → yarént /jɑ'rɛnt/ (*"coins"*)  antéri /ɑn'tɛʁ̞ɪ/ (*"gold piece"*) → entír /ɛn'tɪʁ̞/ (*"gold pieces"*) |
| CVC(C)V(C)Ci | CVC(C)V(C)C | bondéri /bɔn'dɛʁ̞ɪ/ (*"mercenary"*) → bendír /bɛn'dɪʁ̞/ (*"mercenaries"*) |
| CVCi | aCyVC | búghi /'bʊʑɪ/ (*"ford"*) → abyúgh /ɑ'vjʊɣ/ (*"fords"*) |
| V(C)Ci | ay(C)VC | óami /'oːmɪ/ (*"catfish"*) → ayóam /ɑ'joːm/ (*"catfish"*) |

With the following vowel mutations:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Singular | *A* | *E* | *I* | *O* | *U* | *AA* | *EA* | *Y* | *OA* | *OU* | *AI* | *EI* | *OI* | *UI* |
| Plural | *E* | *I* | *YA* | *E* | *UI* | *EA* | *Y* | *YA* | *EA* | *UI* | *EI* | *Y* | *EI* | *Y* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Singular | *Nom* | -i | -ɪ | -e | -Ø, -e [[127]](#endnote-127) | -Ø | -Ø |
| *Acc* | -o | -ɔ | -o | -a 3 | -a |
| *Gen* | -iː | -iː | -i |  | | -i |
| *Dat* | -ju |  | -u 3 | -o 3 | -o |  |
| *Loc* | -on | -on |  | |
| *Inst* | -im | -am 3 |
| Plural | *Nom* | -ʲə | -Ø\* [[128]](#endnote-128) | -Ø\* 6 | -ɛː 3 | -i | -ɛ 3 |
| *Acc* | -wis | -ɪ\* [[129]](#endnote-129) | -es\* 3+7 | -es 3 | -e |
| *Gen* | -isi | -ɪs\* 24 | -i\* 7 |  | | -iz |
| *Dat* | -jən |  | -en 3 | -an 3 | -an |  |
| *Loc* | -win | -in 3 |  | |
| *Inst* | -ime | -(a)me 3 |
| Part. | *Nom* | -em | -ɛm, (-ɛ, -ɔʁ̞) 8 | -em 9 | *— no partitive forms —* | | |
| *Acc* | -or | -ɔʁ̞ | -or 9 |
| *Gen* | -éndi | -ɛ́ndɪ | -éndi 9 | *— evolved into the –NDI genitive suffix —* | | |

**U-Declension**

Contains only Neuter nouns (re-classed as Masculine in all daughter languages but Néteran). In Téleran and Western Téleran, the Singular Nominative –U ending has shifted to –O, and the declension came to be known as the **O-Declension**.

In Córderan and Kórdorras, U-declension plurals became *broken plurals* by analogy to the aforementioned I-declension, utilizing a different U-umlaut this time:

|  |  |  |
| --- | --- | --- |
| *Noun type* | *Broken plural* | *Example* |
| CVCCu | CVĈVC | négru /'nɛɣʁ̞ʊ/ (*"war"*) → neggér /nɛg'gɛʁ̞/ (*"wars"*) |
| (C)CVCu | oCCVC | bóchu /'bɔxʊ/ (*"birch"*) → obbóch /ɔb'bɔx/ (*"birches"*)  délu /'dɛlʊ/ (*"thing"*) → oddél /ɔd'dɛʎ/ (*"things"*)  zoúru /'ʣuːʁ̞ʊ/ (*"river"*) → ozzoúr /ɔd'ʣuːʁ̞/ (*"rivers"*) |
| V(C)CV́(C)Cu | V(C)CV́(C)C | umúntu /ʊ'mʊntʊ/ (*"thought"*) → amánt /ɑ'mɑnt/ (*"thoughts"*) |
| CVC(C)V(C)Cu | CVC(C)V(C)C | canélu /kə'nɛlʊ/ (*"well"*) → conyól /kɔ'ɲɔl/ (*"wells"*) |
| V(C)Cu | a(C)CVC | ósu /ɔ'sʊ/ (*"stone"*) → asós /ɑ'sɔs/ (*"stones"*) |

With the following vowel mutations:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Singular | *A* | *E* | *I* | *O* | *U* | *AA* | *EA* | *Y* | *OA* | *OU* | *AI* | *EI* | *OI* | *UI* |
| Plural | *O* | *YO* | *YU* | *U* | *A* | *OA* | *YO* | *YU* | *OU* | *AA* | *OI* | *OI* | *UI* | *AI* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Singular | *Nom* | -u | -ʊ | -u | -o | -Ø | -Ø |
| *Acc* | -ǿʏ 5, -wi | -uɪ | -œ | -ɛɪ | -e |
| *Gen* | -wiː | -iː | \*-wi > -y |  | | -wi |
| *Dat* | -oʊ |  | -oʊ | -uː | -u |  |
| *Loc* | -ǿʏn 5, -win | - œn |  | |
| *Inst* | -um | -um |
| Plural | *Nom* | -ǿʏ 5, -es | -Ø\* 23 | -es | -ɛ́ɪ | -ɛ́ɪ | -í |
| *Acc* | -wis | -ɪ\* 24 | \*-wis > -ys [[130]](#endnote-130) | -wis | -wi |
| *Gen* | -wisi | -ɪs\* 24 | -si [[131]](#endnote-131) |  | | -wiz |
| *Dat* | -wən |  | \*-wan > -an 25 | -an 26 | -an |  |
| *Loc* | -win | \*-win > -yn 25 |  | |
| *Inst* | -ume | -(a)me 26 |
| Part. | *Nom* | -om | -ɔm, (-ɔ, -ɔʁ̞) 8 | -om 9 | *— no partitive forms —* | | |
| *Acc* | -er | -ɛʁ̞, -ɔʁ̞ 10 | -er 9 |
| *Gen* | -óndi | ɔ́ndɪ | -óndi 9 | *— evolved into the –NDI genitive suffix —* | | |

U-Declension *iotated* paradigm (IU-nouns) has disappeared from Córderan and Kórdorras, with all its nouns dropping the -j- to become regular U-nouns. It has also disappeared from Néteran, with nouns distributed between the Masculine-Ī and U declensions. Téleran and Western Téleran have preserved it.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Singular | *Nom* | -ju | *— N/A —* | *— N/A —* | -jo | -i | -Ø [[132]](#endnote-132) |
| *Acc* | -jo | \*-jo > -ja 14 | -ja |
| *Gen* | -jǿʏ |  | | \*-ji > -jɛ |
| *Dat* | -joʊ | -juː | -ju |  |
| *Loc* | -jon |  | |
| *Inst* | -jum |
| Plural | *Nom* | -jes | -jes | -je | -iz 18 |
| *Acc* | -jes | -jes | -je |
| *Gen* | -jósi |  | | -joz |
| *Dat* | -jən | -jan | -jan |  |
| *Loc* | -jen |  | |
| *Inst* | -jume |
| Part. | *Nom* | -jom | *— no partitive forms —* | | |
| *Acc* | -jer |
| *Gen* | -jóndi | *— evolved into the –NDI genitive suffix —* | | |

**Consonant Declension**

Contains Masculine, Feminine and Neuter nouns. In Néteran, Téleran and Western Téleran, it has completely merged with both the *Short I-declension* and the *Schwa declension*.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Singular | *Nom* | -Ø | -Ø | -Ø | -Ø | -Ø | -Ø |
| *Acc* | -a | -ə | -o 3 | -a | -a |
| *Gen* | -eɪ | -eɪ | -i 3 |  | | -i 3 |
| *Dat* | -o |  | -u 3 | -o | -o |  |
| *Loc* | -an | -on |  | |
| *Inst* | -əm, -æɪ | -am 3, -aɪ [[133]](#endnote-133) |
| Plural | *Nom* | -es | -ɛ | -Ø\* 3+6 | -ɛː 3 | -i | -ɛ 3 |
| *Acc* | -es | -ɛ | -es\* 3+7 | -es | -e |
| *Gen* | -si | -(ɛ)sɪ | -i\* 3+7 |  | | -iz 3 |
| *Dat* | -nə |  | -en | -an | -an |  |
| *Loc* | -en | -in 3 |  | |
| *Inst* | -(ə)me | -(a)me 3 |
| Part. | *Nom* | -mə | -ɛm, (-ɛ, -ɔʁ̞) 8 | -em 9 | *— no partitive forms —* | | |
| *Acc* | -or | -ɔʁ̞ | -or 9 |
| *Gen* | -éndi | -ɛ́ndɪ | -éndi 9 | *— evolved into the –NDI genitive suffix —* | | |

**S-Declension**

Contains Masculine and Neuter nouns. Córderan and Kórdorras have re-merged it with the Consonant declension, while Téleran and Western Téleran have redefined its nouns as Feminine.

The Nominative Singular forms undergo *S-assimilation*, as follows:

|  |  |  |
| --- | --- | --- |
| -p, -b, -pt → -ps  -t, -d, -θ, -ð → -ʦ  -k, -g, -kt → -ks  -f, -v, -ft → -fs  -mp, -mb, -mpt → -mps  -nt, -nd, -nθ → -nʦ | -x, -ɣ, -ʁ, -xt → -xs  -ʃ → -ʃəs  -ʒ → -ʒəs  -ʦ → -ʦəs  -ʣ → -ʣəs  -z → -zəs | -rə → -rəs  -lə → -ləs  -mə → -məs  -nə → -nəs |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Tél. Constr. 1 | Western Tel. |
| Singular | *Nom* | -s | *— N/A —* | -s | -s[[134]](#endnote-134), -Ø | -Ø | -Ø 27 |
| *Acc* | -a | -a | -a | -a |
| *Gen* | -eɪ | -i [[135]](#endnote-135) |  | | -ɛ |
| *Dat* | -o | -u 30 | -o | -o |  |
| *Loc* | -an | -on 30 |  | |
| *Inst* | -əm | -am |
| Plural | *Nom* | -es | -es | -es | -e | -s/z [[136]](#endnote-136) |
| *Acc* | -es | -es | -es | -e |
| *Gen* | -si | -si [[137]](#endnote-137) |  | | -s/z 31 |
| *Dat* | -nə | -en | -an | -an |  |
| *Loc* | -en | -in 30 |  | |
| *Inst* | -(ə)me | -(a)me |
| Part. | *Nom* | -mə | -em 9 | *— no partitive forms —* | | |
| *Acc* | -or | -or 9 |
| *Gen* | -éndi | -éndi 9 | *— evolved into the –NDI genitive suffix —* | | |

**Reflexes in morphology:** adjectives

Adjectives in Common Erdahalión, just as in Áltheran, followed the noun they were describing, and agreed with it in *case, number* and (for A-Declension adjectives) *gender*. However, in Téleran and Western Téleran, under the influence of Insular branch languages, adjectives have moved to precede the described noun, and thus no longer had to agree with it in *case* and *number*. Gender agreement with Singular nouns has persisted in Téleran, but was effectively lost in Western Téleran through a regular sound change (though preserved in writing).

**A-Declension adjectives**

This was the largest group of adjectives, and the only one with gender agreement. In all daughter languages except Néteran the Neuter gender was lost, along with its adjectival endings.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran [[138]](#endnote-138) | Western Tel. 1 |
| Singular Masc. | *Nom* | -o | -o | -o | -Ø [[139]](#endnote-139) | -Ø |
| *Acc* | -a | -ə | -a |
| *Gen* | -es | -ɛ | -es |  |
| *Dat* | -uː |  | -u | -Ø |  |
| *Loc* | -an | -an |  |
| *Inst* | -om | -om |
| Singular Fem. | *Nom* | -a | -ə | -a | -a | -Ø [[140]](#endnote-140) |
| *Acc* | -e | -ɛ | -e |
| *Gen* | -ə | -ə | -as [[141]](#endnote-141) |  |
| *Dat* | -iː |  | -i | -a |  |
| *Loc* | -en | -en |  |
| *Inst* | -æɪ | -aɪ |

*Continued on next page* ⮱

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran | Western Tel. |
| Singular Neut. | *Nom* | -e |  | -e |  |  |
| *Acc* | -o | -o |
| *Gen* | -es | -es |
| *Dat* | -uː | -u |
| *Loc* | -on | -on |
| *Inst* | -em | -em |
| Plural | *Nom* | -iː | -i | -i | -Ø 2 | -Ø |
| *Acc* | -eɪ | -eɪ | -eɪ |
| *Gen* | -ɛːsi | -ɛs | \*-jasi > -(é)si |  |
| *Dat* | -nə |  | -en | -Ø |  |
| *Loc* | -ɛ́ːn | -in [[142]](#endnote-142) |  |
| *Inst* | -áme | -(á)me |
| Part. | *Nom* | -mə | -ɛm, -ɔʁ̞ [[143]](#endnote-143) | *— no partitive forms —* | | |
| *Acc* | -er | -ɛʁ̞, -ɔʁ̞ [[144]](#endnote-144) |
| *Gen* | -en | -ɛn |

**I-Declension adjectives**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran 1 | Western Tel. 1 |
| Singular | *Nom* | -i | -ɪ | -i | -i [[145]](#endnote-145) | -i 8 |
| *Acc* | -jo | -jɔ | \*-jo > -ejo |
| *Gen* | -ʲə, -is | -ɪ | -is |  |
| *Dat* | -ju |  | -ju, -je [[146]](#endnote-146) | -i |  |
| *Loc* | -jon | \*-jon > -ejon |  |
| *Inst* | -im, -iː | -im, -i [[147]](#endnote-147) |
| Plural | *Nom* | -eɪ | -eɪ | -eɪ | -i | -i |
| *Acc* | -jes | -jɛ | -jes |
| *Gen* | -isi | -ɪs | -isi |  |
| *Dat* | -jən |  | -jan | -i |  |
| *Loc* | -jen | -jen |  |
| *Inst* | -ime | -ime |
| Part. | *Nom* | -em | -ɛm, -ɔʁ̞ 6 | *— no partitive forms —* | | |
| *Acc* | -or | -ɔʁ̞ |
| *Gen* | -jen | -jɛn |

**Consonant Declension adjectives**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case** | | C. Erdahal | Córderan | Néteran | Téleran 1 | Western Tel. 1 |
| Singular | *Nom* | -s, -Ø [[148]](#endnote-148) | -Ø | -s, -Ø | -Ø | -Ø |
| *Acc* | -a | -ə | -a |
| *Gen* | -es | -ɛ | -es |  |
| *Dat* | -e |  | -e | -Ø |  |
| *Loc* | -an | -an |  |
| *Inst* | -əm, -æɪ | -em, -aɪ 10 |
| Plural | *Nom* | -es | -ɛ | -es | -Ø | -Ø |
| *Acc* | -es | -ɛ | -es |
| *Gen* | -si | -(ɛ)sɪ | -si [[149]](#endnote-149) |  |
| *Dat* | -nə |  | -en | -Ø |  |
| *Loc* | -en | -in 5 |  |
| *Inst* | -(ə)me | -(a)me |
| Part. | *Nom* | -mə | -ɛm, -ɔʁ̞ 6 | *— no partitive forms —* | | |
| *Acc* | -or | -ɔʁ̞ |
| *Gen* | -en | -ɛn |

**IV. Pálmeran family**

**Reflexes in daughter languages**

**Consonants**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Áltheran | Com. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| p, kw | pʰ, p [[150]](#endnote-150) | f, p | f, p | h, f [[151]](#endnote-151), f |
| t | tʰ, t | t, (ʦ, s [[152]](#endnote-152)) [[153]](#endnote-153) | θ, t [[154]](#endnote-154), t, ʦ 4 | t, s 4 |
| c | ʧʰ, ʧ | ʃ, ʧ | ʃ, ʧ [[155]](#endnote-155), ʧ | ʃ, ʧ, -ʃ |
| k | kʰ, k | χ, k | χ, k | (h, -Ø [[156]](#endnote-156)), k |
| b, gw | p, b | p, b | p, b | f, b |
| d | t, d | t, (ʦ, s 3) 4, d, ʣ 4 | t, (ʦ, s 3, ʦ 6) 4, d, ʣ 4 | t, s 4, d, z 4 |
| ɟ | ʧ, ʤ~ʒ | ʧ, ʃ 3, ʤ | ʧ, ʃ 3, ʧ 6, ʤ | ʧ, -ʃ, ʒ, -j |
| g | k, g | k, g | k, g | k, g |
| f, xw | ħ | ħ | h | h |
| θ | h > Ø | Ø | Ø | Ø |
| ç | j | j | j | j |
| x | h > Ø | Ø | Ø | Ø |
| v | b | b | b | b |
| ð | d | d, (ʣ, z 3) 4 | d, (z, ʣ 6) 4, -ð̞ | d, z 4 |
| ʝ | ʤ~ʒ | ʤ, ʒ 3 | ʒ, ʤ 6 | ʒ, -j |
| ɣ | g, -ɣ | g, -ʁ | g, -ʁ̞ | g, -Øː |
| s | s | s | s, ʦ 5 | s |
| sp, skw | pː | p, -pː- | p | #p-, pʼ |
| st | tː | tˤ, sˤ 4 | tˤ, sˤ 4 | #t-, tʼ |
| sc | ʧː | ʧ, ʃ 3 | ʧ, ʃ 3, ʧ 5 | #ʧ-, ʧʼ |
| sk | kː | k, -kː- | k | #k-, kʼ |
| m | m, -Ø | m, -Ø | m [[157]](#endnote-157), -Ø | m, -Ø |
| n | n, -Ø | n, ɲ 4, -Ø | n 8, -Ø | n, -Ø |
| r | r | rˤ | r 8, l [[158]](#endnote-158) | r |
| l | l | ɫ, ʎ 4 | l 8, -r | l, ɬ [[159]](#endnote-159) |
| w | w | w | w, -ʁ̞- 10 | v |
| j | Ø-, -j- | Ø-, -j- | Ø-, -j- | Ø-, -j- |

**Vowels**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Áltheran | Com. Pálmeran | Pálmeras | Páramalts | Fálhamz |
| a, aː | ɑ | ɑ, æ [[160]](#endnote-160) | ɑ, æ 11, Ø [[161]](#endnote-161) | a |
| ə | e | e, ɘ [[162]](#endnote-162) | e, ɘ 13, (ɑ, æ 11)[[163]](#endnote-163), Ø 12 | ɛ |
| e |
| i | i, Ø [[164]](#endnote-164) | i, ɨ 13, Ø 15 | i, ɘ 13, Ø 15 | ɪ, ɛ [[165]](#endnote-165) |
| o | ɑ | ɑ, æ 11 | ɑ, æ 11 | a |
| u | u, Ø 15 | u, ʉ11, Ø 15 | u, ɵ11, Ø 15 | ʊ, ɔ 16 |
| *Long vowels from elisions of various consonants* » | \*aː > oː | o, ɵ 11 | o, ɵ 11 | o |
| eː | e, ɘ 13 | e, ɘ 13 | e |
| iː | i, ɨ 13 | i, ɘ 13 | i |
| oː | o, ɵ 11 | o, ɵ 11 | o |
| uː | u, ʉ11 | u, ɵ11 | u |
| aɪ, ɛː | e | e, ɘ 13 | e, ɘ 13 | ɛ |
| eɪ | i | i, ɨ 13 | i, ɘ 13 | ɪ, ɛ 16 |
| oɪ | e | e, ɘ 13 | e, ɘ 13 | ɛ |
| aʊ, oː | o | o, ɵ 11 | o, ɵ 11 | ɔ |
| eʊ | u | u, ʉ11 | u, ɵ11 | ʊ, ɔ 16 |
| oʊ | o | o, ɵ 11 | o, ɵ 11 | ɔ |
| ṃ | ɑ | ɑ, æ 11 | ɑ, æ 11 | a |
| ṇ |
| ṛ | ur | urˤ, irˤ11 | uru, urɵ, irɘ11 | ʊr, ɔr 16 |
| ḷ | ul | uɫ, uʎ 4, (iɫ, iʎ 4) 11 | ʊl, ɔɬ 16 |

**V. Insular branch**

**Reflexes in daughter languages**

**Consonants**

|  |  |  |  |
| --- | --- | --- | --- |
| Com. Insular | Gér'deran | Sedheran | Gherderon |
| p | p~ɸ [[166]](#endnote-166) | p, f 1 | p |
| t | t | t, ʈ [[167]](#endnote-167), -ɾ- [[168]](#endnote-168) | t, ʦ [[169]](#endnote-169) |
| k | k | q | k, ʨ 4 |
| b | b~β̞ 1 | b, ʋ 1 | b, -m# |
| d | d | d, ɖ 2, -ɾ- 3 | d, ʣ 4, -n# |
| g | g | ɢ- [[170]](#endnote-170), ʁ̝~ʕ | g, ʥ 4, -Ø# |
| f | f | p, f 1 | f |
| s | s, ʦ 5, ʂ [[171]](#endnote-171) | s, ʦ 5, ʂ 2 | s, ɕ 4 |
| ɕ | ʂ | ʂ | ʂ |
| x | χ, qχ 5 | χ, qχ 5 | x~h, ɕ 4 |
| ʋ | ʋ | ʋ | v |
| z | z, ʣ 5, ʦ 6 | z, ʣ 5, ʐ 2 | z, ʑ 4 |
| ʑ | ʐ, dʐ 5, tʂ 6 | ʐ, dʐ 5 | ʐ |
| ɣ | ʁ, -ɐ̯ | ʀ | #Ø-, ɣ~ɦ, ʑ 4, -Ø# |
| m | m | m | m |
| n | n | n, ɳ 2 | n, ɲ 4 |
| ŋ | ŋ | ɴ | n, -ɲ# |
| r~ɹ | ɹ, -ə̯ | ɻ | r̻~ɻ, ʐ 4 |
| l | l, -ɫ | l, -ɫ | l, ʎ 4 |

**Vowels**

|  |  |  |  |
| --- | --- | --- | --- |
| Com. Insular | Gér'deran | Sedheran | Gherderon |
| ɐ | ɐ | ǽ, ɐ~ə | a |
| ə# | e | e, í [[172]](#endnote-172) |
| e | ɛ |
| ɪ | ɪ | ɪ | i |
| o | o | ɔ | o, ú 7 |
| ʊ | ʊ | ʌ | ʉ |
| \*ɐː > aː | ɑː | ɑː | a |
| \*ɛː, \*eː > ɛː | ɛː | iː | e |
| \*ɪː > i: | iə | aɪ | i |
| \*ɔː, \*oː > ɔː | ɔː | uː | o |
| \*ʊː > u: | uə | ɑʊ | u |
| ɐɪ | ɐɪ | eɪ | eɪ |
| eɪ | eɪ |
| oɪ | øʏ | ɔʏ | u |
| ʊɪ | uə | ɑʊ | ʉ |

|  |  |  |  |
| --- | --- | --- | --- |
| ɐʊ | ɐʊ | oʊ | o |
| eʊ | øʏ | ɔʏ | eɪ |
| ɪʊ | iə | aɪ | ʉ |
| oʊ | ɔː | uː | u |

**Appendix 1:**

Legi Ferri and Romanization

of Vórean languages

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Common Erdahalión** (*original; 40 letters*)   |  |  |  |  | | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | | TS | T | P | C, K [[173]](#endnote-173) | | ʦ | t | p | k | | **z** | **d** | **b** | **g** | | Z | D | B | G | | ʣ | d | b | g | | **C** | **T** | **f** | **H** | | SH | TH | F | CH | | ʃ | θ | f | x, ç [[174]](#endnote-174) | | **j** | **D** | **v** | **K** | | J | DH | V | H | | ʒ | ð | v | h | | **S** | **Q** | **[** | **W** *or* **]** | | S | ST | SP | SC, SK 1 | | s | st | sp | sk | | **q** |  | **{** | **X** | | SS |  | PS | X | | sː |  | ps | ks | | **m** | **n** | **r** | **l** | | M | N | R | L | | m | n | r | l | | **a** | **e** | **o** | **i** | | A | E | O | I, Y- [[175]](#endnote-175) | | a, ə | e | o | i, j- | |  | **I** | **?** | **u** | |  | EA | OA | U, W- 3 | |  | ɛː | ɔː | u, w- | | **A** | **E** | **O** |  | | AI | EI | OI |  | | æɪ | eɪ | øʏ |  | | **/** | **Y** | **U** |  | | AU | ĪU | OU |  | | aʊ | iːʊ | oʊ |  | | **aa** | **ee** | **oo** | **ii** | | Ā | Ē | Ō | Ī | | aː | eː | oː | iː | |  | **II** | **??** | **uu** | |  | ĒA | EO | Ū | |  | æːɑ | eːo | uː | | **Áltheran** (*42 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | C, K 1 | CY- | | s | t | p | k | c | | **z** | **d** | **b** | **g** | **J** | | Z [[176]](#endnote-176) | D | B | G | GY- | | z ~ s | d | b | g | ɟ | | **C** | **T** | **f** | **H** |  | | HY- | TH | F | H |  | | ç | θ | f | x |  | | **j** | **D** | **v** | **K** |  | | J | DH | V | GH |  | | ʝ | ð | v | ɣ |  | | S | **Q** | **[** | **W***or***]** |  | |  | ST | SP | SC, SK 1 |  | |  |  |  |  |  | |  | **q** | **{** | **X** |  | |  | TS | PS | X |  | |  | ts | ps | ks |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | W, U- [[177]](#endnote-177) | | m | n | r | l | w | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I, Y- 3 | U | | a, ə | e | o | i, j- | u | |  | **I** | **?** |  |  | |  | EA | OA |  |  | |  | ɛː | ɔː |  |  | | **A** | **E** | **O** |  |  | | AI | EI | OI |  |  | | aɪ | eɪ | oɪ |  |  | | **/** | **Y** | **U** |  |  | | AU | EU | OU |  |  | | aʊ | eʊ | oʊ |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |
| **Ánderan** (*37 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | K | TY- | | s | t | p | k | tj | | **z** | **d** | **b** | **g** | **J** | | Z | D | B | G | DY- | | z | d | b | g | dj | | **C** | **T** | **f** | **H** | **G** | | SH | TH | F | H | WH | | ʃ | θ | f | h, -x, -ç 2 | ʍ | | j | **D** | **v** | K |  | |  | DH | V |  |  | |  | ð | v |  |  | | S | **Q** | **[** | **]** |  | |  | ST | SP | SK |  | |  | st | sp | sk |  | |  | **q** | **{** | **X** |  | |  | TS | PS | X |  | |  | ts | ps | ks |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | W, U- 5 | | m | n | r, -ɹ | l | w | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I, Y- 3 | U | | a | e | o | i, j- | u | |  | I | ? |  |  | |  |  |  |  |  | |  |  |  |  |  | | **A** | **E** | O |  |  | | AI, -AY | EI, -EY |  |  |  | | aɪ | eɪ |  |  |  | | **/** | Y | **U** |  |  | | AU, -AW |  | OU, -OW |  |  | | aʊ |  | oʊ |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | **Séracal** (*40 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | C, K 1 | TY- | | s | t | p | k | c | | z | **d** | **b** | **g** | **J** | |  | D | B | G | DY- | |  | d, ­-ð̞- | b | g, -ɰ- | ɟ | | **C** | **T** | **f** | **H** | **G** | | X | TH | F | H | WH | | ç | θ | ɸ | h, -x, -ç 2 | ʍ | | **j** | D | **v** | K |  | | J |  | V |  |  | | ʝ |  | β̞ |  |  | | **S** | **Q** | **[** | **]** |  | | SS | ST | SP | SC, SK 1 |  | | sː | st | sp | sk |  | |  | **q** | { | X |  | |  | TS |  |  |  | |  | ts |  |  |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | W, U- 5 | | m | n | ɾ | l, -ʎ | w | |  | **N** |  | **y** |  | |  | NN |  | Y |  | |  | ŋ~n |  | j |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I, Y- [[178]](#endnote-178) | U | | ɑ | e | o | i, j- | u | |  | I | ? |  |  | |  |  |  |  |  | |  |  |  |  |  | | **A** | **E** | **O** |  | **Y** | | AI | EI | OI |  | UI | | ɑɪ | eɪ | oɪ |  | uɪ | | **/** |  | **U** |  |  | | AU |  | OU |  |  | | ɑʊ |  | oʊ |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |
| **Mágeran** (*47 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | C, QU- 1 | TJ | | s | t | p | k | ʨ | | z | **d** | **b** | **g** | **J** | |  | D | B | G, GU- 1 | DJ | |  | d | b | g | ʥ | | **C** | **T** | **f** | **H** | **h** | | Ç, C 1 | TH | PH | CH | H | | ç~ɕ | θ | f | x | [Ø] | | **j** | D | v | K |  | | J, G 1 |  |  |  |  | | ʝ~ʑ |  |  |  |  | | **S** | **Q** | **[** | **]** |  | | SS | ST | SP | SC, SQU-1 |  | | sː, -s | st | sp | sk |  | |  | **q** | **{** | **X** |  | |  | TS | PS | CS |  | |  | ts | ps | ks |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | V | | m | n | ɾ | l | ʋ | |  | **`** | **<** | **>** |  | |  | NJ | RJ | LJ |  | |  | ɲ | ʝ | ʝ |  | |  | **N** | **R** |  |  | |  | GN | RR |  |  | |  | ŋn | ɽ |  |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I | U | | a | e | o | i, j- | u | |  | **I** | **?** | **y** | **W** | |  | AE | OE | IE | Y | |  | ɛ | ø | iə | y | | **A** | **E** | **O** |  |  | | AI | EI | OI |  |  | | aɪ | eɪ | oɪ |  |  | | **/** | **Y** | **U** |  |  | | AU | EU | UO |  |  | | aʊ | ɘ | uɔ |  |  | | **Néteran** (*51 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | C, K 1 | C 1, CI- | | s, z [[179]](#endnote-179) | t | p | k | ʧ | | **z** | **d** | **b** | **g** | **J** | | Z | D | B | G | G 1, GI- | | z | d | b | g | ʤ | | **C** | **T** | **f** | **H** | **h** | | SH | TH | F, PH [[180]](#endnote-180) | CH | H | | ʃ | θ | f | x, ç 2 | h | | **j** | **D** | **v** | **G** | K | | J | DH | V | GH [[181]](#endnote-181) |  | | ʒ | ð | v | g |  | | **S** | **Q** | **[** | **x** |  | | SS | ST | SP | SC, SK 1 |  | | s ~ sː | st | sp | sk |  | |  | **q** | **{** | **X** |  | |  | TS | PS | X |  | |  | ts | ps | ks |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | W, U- 5 | | m | n | ɾ, -r | l | w | |  | **`** | **<** | **>** | **y** | |  | NY- | RY- | LY- | Y- | |  | ɲ | rʲ, -ɾʲ- | ʎ | j | |  | **N** | **R** | **L** |  | |  | NN | RR | LL |  | |  | nː | r | lː |  | | **a** | **e** | **o** | **i** | **u** | | A | E, AE [[182]](#endnote-182) | O | I | U | | á, ʌ [[183]](#endnote-183), ə | é, ɛ | ó, ɔ | í, ɪ, j- | ú, ʊ | |  | **I** | **?** |  |  | |  | EA | EO |  |  | |  | éjə, ɛjá | éjɔ, ɛjó |  |  | | **A** | **E** | **O** |  | **Y** | | AI, AY [[184]](#endnote-184) | EI, EY 12 | OE |  | Y | | aɪ | eɪ, eː [[185]](#endnote-185) | ǿ, œ |  | ý, ʏ | | **/** |  | **U** |  |  | | AU |  | OU |  |  | | aʊ |  | oʊ, oː 13 |  |  | |
| **Téleran** (*45 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | C, K 1 | Č | | s | t | p | k | ʧ | | **z** | **d** | **b** | **g** | **J** | | Z | D | B | G | J | | z | d | b | g | ʤ | | **C** | T | **f** | **H** | **h** | | SH |  | F, PH 8 | CH | H | | ʃ |  | f | x | h, -ɦ- | | j | D | **v** | **G** | **K** | |  |  | V | GH | KH | |  |  | v | ɣ | kx | | **S** | **Q** | **[** | **x** |  | | SS | ST | SP | SC, SK 1 |  | | sː | st | sp | sk |  | | **Z** | **q** | **{** | **X** |  | | ZZ | TS | PS | X |  | | zː | ts | ps | ks |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | W, U- 5 | | m | n | r | l | w | |  | **N** | **<** | **L** |  | |  | NG | RH | LL |  | |  | ŋ, -ŋg- | ʁ | ɫ |  | |  |  |  | **y** |  | |  |  |  | Y- |  | |  |  |  | j |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I | U | | a | e | o | i, j- | u | |  | **I** | **?** |  | **U** | |  | AE | AO |  | OU | |  | ɛː | ɔː |  | uː | | **A** | **E** | **O** |  |  | | AI, AY 12 | EI, EY 12 | OI, OY 12 |  |  | | aɪ | ɛɪ | ɔɪ |  |  | | / | Y |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | **Western Téleran** (*41 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** |  | | S | T | P | C, QU- 1 |  | | s, z [[186]](#endnote-186) | t | p | k |  | | **z** | **d** | **b** | **g** |  | | Z | D | B | G, GU- 1 |  | | z | d | b | g |  | | **C** | **T** | **f** | H |  | | CH | TH | F |  |  | | ʃ | θ | f |  |  | | **j** | **D** | **v** | K |  | | J | DH | V |  |  | | ʒ | ð | v |  |  | | **S** | **Q** | **[** | **x** |  | | SS | ST | SP | SC, SQU- 1 |  | | s | st | sp | sk |  | |  | q | { | X |  | |  |  |  |  |  | |  |  |  |  |  | | **m** | **n** | **r** | **l** |  | | M | N | R | L |  | | m | n | r | l |  | |  | **`** | **<** | **>** |  | |  | NI- | RH | LI- |  | |  | ɲ | ɹ | ʎ |  | |  |  |  | **y** |  | |  |  |  | Y- |  | |  |  |  | j |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I | U | | a | ɛ | ɔ | i, j- | y, w- | |  | **I** | **?** | **h** |  | |  | AE | OE | E [[187]](#endnote-187) |  | |  | ɛ | œ | [Ø] |  | | **A** | **E** | **O** |  |  | | AI | EI | OI |  |  | | \*aɪ > ɛ(ː) | \*ɛɪ > i | \*ɔɪ > waɪ |  |  | | **/** | **Y** | **U** | **W** |  | | AU | EU | OU | Y |  | | \*aʊ > ɔ(ː) | \*ɛʊ > œ | u | \*iʊ > y |  | |
| **Córderan** and**Kórdorras** (*46-47 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | C, K [[188]](#endnote-188) | C 16 | | s | t | p | k | ʨ | | **z** | **d** | **b** | **g** | **J** | | Z | D | B | G | G 16 | | ʣ-, z | d | b, v [[189]](#endnote-189) | g, ɣ 17 | ʥ | | **C** | T | **f** | **H** |  | | SH |  | PH | CH |  | | ʃ |  | f | x, ɕ 16 |  | | **j** | D | **v** | **G** | **K** | | J |  | V | GH | H | | ʒ |  | v | ɣ, ʑ 16 | ħ | | **S** | **Q** | **[** | **x** |  | | SS | ST | SP | SC, SK 16 |  | | sː | st | sp | sk |  | | **Z** | **q** | **{** | **X** |  | | ZZ | TS | PS | X |  | | ʣː | ʦ | ps | ks |  | | **m** | **n** | **r** | **l** |  | | M | N | R | L |  | | m | n | ʁ̞ | l |  | |  | **`** | **<** | **>** |  | |  | NY-, N [[190]](#endnote-190) | RH | LY-, L 18 |  | |  | ɲ | ʕ | ʎ |  | |  |  | **R** |  |  | |  |  | [ RR [[191]](#endnote-191) ] |  |  | |  |  | r |  |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I | U | | ɑ́, ə | ɛ | ɔ | ɪ | ʊ | | **/** | **I** | **?** | **y** | **U** | | AA | EA | OA | Y | OU | | aː | eː | oː | iː, j- | uː | | **A** | **E** | **O** |  | **Y** | | AI | EI | OI |  | UI | | aɪ | eɪ | oɪ |  | uɪ | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | **Pálmeras** and **Páramalts** (*48-50 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | K | Č | | s, ʦ [[192]](#endnote-192) | t | p | k | ʧ | | **z** | **d** | **b** | **g** |  | | Z | D | B | G |  | | z, ʣ [[193]](#endnote-193) | d | b | g |  | | **C** | **T** | **f** | **H** |  | | SH | TH | F | KH |  | | ʃ, ʧ 20 | t, θ [[194]](#endnote-194) | f | χ |  | | **j** | **D** | v | **G** | **K** | | J | DH |  | GH, RH 22 | H | | ʒ, ʤ 21 | ð 22 |  | ʁ, ʁ̞ 22 | ħ, h 22 | | **S** | **Q** | **[** | **x** |  | | SS | TT | [ PP ] | [ KK ] |  | | sˤ | tˤ | pː [[195]](#endnote-195) | kː 23 |  | |  | **q** | { |  |  | |  | C |  |  |  | |  | ʦ |  |  |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | W | | m | n | rˤ, r 22 | ɫ, l 22 | w | |  | **`** |  | **>** |  | |  | NY- |  | LY- |  | |  | ɲ 23 |  | ʎ 23 |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I | U | | ɑ, æ [[196]](#endnote-196) | e, ɘ [[197]](#endnote-197) | o, ɵ 24 | i | u, (ʉ, ɵ 22)24 | |  | **I** | **?** | **y** | **X** | |  | AE | OE | Y | UE | |  | ɑ.e | o.e | ɨ, ɘ 22, j- | u.e | | **A** | **E** | **O** |  | **W** | | AI | EI | OI |  | UI | | ɑ.i | e.i | o.i |  | u.i | | **/** | **Y** | **U** | **L** |  | | AU | EU | OU | IU |  | | a.u | e.u | o.u | i.u |  | |  | **eh** | **oh** | **ih** | **uh** | |  | EA | OA | IA | UA | |  | e.a | o.a | i.a | u.a | |
| **Fálhamz** (*33 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | K | C, Č 1 | | s | t | p | k | ʧ | | **z** | **d** | **b** | **g** |  | | Z | D | B | G |  | | z | d | b | g |  | | **C** | T | **f** | **H** |  | | SH |  | F | H |  | | ʃ |  | f | h |  | | **j** | D | v | K |  | | J |  |  |  |  | | ʒ |  |  |  |  | | S | **Q** | **[** | **]** |  | |  | TT | PP | KK |  | |  | tʼ | pʼ | kʼ |  | | Z | **q** | { | X |  | |  | CC, CČ 1 |  |  |  | |  | ʧʼ |  |  |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | V | | m | n | r | l | v | |  |  |  | **>** |  | |  |  |  | LH |  | |  |  |  | ɬ |  | |  |  |  | **y** |  | |  |  |  | Y |  | |  |  |  | j |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I | U | | a | ɛ | ɔ | ɪ | ʊ | |  | **I** | **?** | **E** | **U** | |  | AE | AO | EI | OU | |  | e | o | i | u | | **a\_** | **e\_** | **o\_** | **i\_** | **u\_** | | AN [[198]](#endnote-198) | EN | ON | IN | UN | | ɑ̃ | ɛ̃ | ɔ̃ | ɛ̃ | ɔ̃ | |  | **I\_** | **?\_** | **E+** | **U\_** | |  | AEN | AON | EIN | OUN | |  | ẽ | õ | ɪ̃ | ʊ̃ | | **Ghérderon** (*37 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | K | TX | | s | t | p | k | ʨ | | **z** | **d** | **b** | **g** | **J** | | Z | D | B | G | DJ | | z | d | b | g | ʥ | | **C** | **T** | **f** | **H** |  | | SH | X | F | H |  | | ʂ | ɕ | f | x ~ h |  | | **j** | **D** | **v** | **G** |  | | ZH | J | V | GH |  | | ʐ | ʑ | v | ɣ ~ ɦ |  | | **S** | **Q** | **[** | **]** |  | | TS | ST | SP | SK |  | | ʦ | st | sp | sk |  | | **Z** | q | { | X |  | | DZ |  |  |  |  | | ʣ |  |  |  |  | | **m** | **n** | **r** | **l** |  | | M | N | R | L |  | | m | n | r̻~ɻ | l |  | |  | **N** | **<** | **>** |  | |  | NJ, -IN | RJ, -IR | LJ, -IL |  | |  | ɲ | ʐ | ʎ |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I | U | | a | e | o | i | ʉ | |  | I | ? |  |  | |  |  |  |  |  | |  |  |  |  |  | | A | **E** | O |  |  | |  | EI |  |  |  | |  | eɪ |  |  |  | | / | Y | **U** |  |  | |  |  | OU |  |  | |  |  | u |  |  | |
| **Gérʼderan** (*40 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | K | TJ | | s, ʦ [[199]](#endnote-199), ʂ [[200]](#endnote-200) | t | p~ɸ | k | tʂ | | **z** | **d** | **b** | **g** | **J** | | Z | D | B | G | [ DJ ] | | z, ʣ27, ʦ28 | d | b~β̞ | g | dʐ | | **C** | T | **f** | **H** | **K** | | SH |  | F | CH | KCH | | ʂ |  | f | χ | qχ | | **j** | D | V |  |  | | J |  |  |  |  | | ʐ, dʐ27, tʂ28 |  |  |  |  | | **S** | **Q** | **[** | **]** |  | | SS | ST | SP | SK |  | | s | ʂt | ʂɸ | ʂk |  | | **Z** | **q** | { | **X** |  | | [ ZZ ] | TZ |  | X |  | | ʣ | ʦ |  | ks |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | V | | m | n | ɹ, -ə̯ | l, -ɫ | ʋ | |  | **N** | **R** |  |  | |  | NG | Rʼ |  |  | |  | ŋ | ʁ, -ɐ̯ |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I | U | | ɐ | e | o | ɪ | ʊ | |  | **I** | **?** |  |  | |  | AE | AO |  |  | |  | ɛː ~ ɛɪ | ɔː ~ ɔʊ |  |  | | **A** | **E** | O | **y** | **U** | | AI | EI |  | IE | OU | | ɐɪ | eɪ |  | iə | uə | | **/** | **Y** |  |  |  | | AA | EU |  |  |  | | ɑː | øʏ |  |  |  | | **Sédheran** (*44 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | K | TJ | | s, ʦ 27 | t, -ɾ- [[201]](#endnote-201) | p | q | tʂ | | **z** | **d** | **b** | **g** | **J** | | Z | D | B | G | [ DJ ] | | z, ʣ 27 | d, -ɾ- 30 | b | ɢ-27, ʁ̝~ʕ | dʐ | | **C** | **T** | **f** | **H** | **K** | | SH | TH | F | CH | KCH | | ʂ | ʈ | f | χ | qχ | | **j** | **D** | **v** |  |  | | J | DH | V [[202]](#endnote-202) |  |  | | ʐ, dʐ 27 | ɖ | ʋ |  |  | | **S** | **Q** | **[** | **]** |  | | SS | ST | SF | SK |  | | s | st | sf | sq |  | | **Z** | **q** | { | **X** |  | | [ ZZ ] | TZ |  | X |  | | ʣ | ʦ |  | ks |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | W | | m | n | ɻ | l, -ɫ | ʋ | |  | **N** | **R** |  |  | |  | NG | Rʼ |  |  | |  | ɴ | ʀ |  |  | |  | **`** |  |  |  | |  | NN |  |  |  | |  | ɳ |  |  |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I | U | | ǽ, ɐ~ə | ɛ | ɔ | ɪ | ʌ | |  | **I** | **?** |  |  | |  | EE | OO |  |  | |  | iː | uː |  |  | | **A** | **E** | O | **y** | **U** | | AI | EI |  | IE | OU | | eɪ | eɪ |  | aɪ | ɑʊ | | **/** | **Y** |  |  |  | | AH | EU |  |  |  | | ɑː | ɔʏ |  |  |  | |
| **Gréetyan** (*20 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** |  | | S | T | P | K |  | | s | t | p | k |  | | z | d | **b** | **g** |  | |  |  | V | G |  | |  |  | β̞, b [[203]](#endnote-203) | ɰ, g 31 |  | | C | T | f | H | **h** | |  |  |  |  | -H | |  |  |  |  | [Ø̰] [[204]](#endnote-204) | | j | D | v | K |  | |  |  |  |  |  | |  |  |  |  |  | | S | Q | [ | ] |  | |  |  |  |  |  | |  |  |  |  |  | | Z | q | { | X |  | |  |  |  |  |  | |  |  |  |  |  | | **m** | **n** | **r** | l |  | | M | N | R |  |  | | m | n | ɝ, ɻ- |  |  | |  |  | **R** |  |  | |  |  | RR |  |  | |  |  | ɝː |  |  | | **a** | **e** | **o** | **i** | **u** | | A | E | O | I, Y- 6 | U, W- 6 | | a, ə | e | ɔ ~ ɔː | i, j- | u, w- | | **/** | **I** | ? | **E** | **U** | | AA | AE |  | EE | OO | | a: | ɛː ~ ɛɪ |  | i: | uː | | A |  | O |  |  | |  |  |  |  |  | |  |  |  |  |  | | **ah** | **eh** | **oh** | **ih** | **uh** | | AH | EH | OH | IH | UH | | a̰, ə̰ | ḛ | ɔ̰ ~ ɔ̰ː | ɪ̰ | ʊ̰ | | **/h** | **Ih** |  | **Eh** | **Uh** | | AAH | AEH |  | EEH | OOH | | a̰ː | ɛ̰ː |  | ɪ̰ː | ʊ̰ː | | **Fysk** (*19-22 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | p | **k** |  | | S | T |  | K |  | | s | t |  | k, c [[205]](#endnote-205) |  | | **z** | **d** | b | **g** |  | | [ Z [[206]](#endnote-206) ] | [ D 34 ] |  | [ G 34 ] |  | | z | d |  | g-, ɣ~ɦ, ɟ33 |  | | **C** | T | **f** | **H** |  | | C |  | F | H |  | | ç~ɕ |  | f, -v-[[207]](#endnote-207) | x~ɧ~h |  | | **j** | D | v | K |  | | J |  |  |  |  | | ʝ~j~ʑ |  |  |  |  | | S | Q | [ | ] |  | |  |  |  |  |  | |  |  |  |  |  | | Z | q | { | X |  | |  |  |  |  |  | |  |  |  |  |  | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | V | | m | n | ɾ~ɻ~ʁ~r | l~ʎ~ɽ | ʋ~w | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | **a** | **e** | **o** | i | u | | A | E | O |  |  | | a | ɛ | ɔ |  |  | |  | I | ? |  | **Y** | |  |  |  |  | Y | |  |  |  |  | y | | **A** | **E** | **O** |  |  | | AY | EY | OY |  |  | | ay | ɛy | oy |  |  | | / |  | U |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

**Appendix 2:**

Legi Ferri for the World's languages

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **English** (*47 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | S | T | P | C, K[[208]](#endnote-208), QU-[[209]](#endnote-209) | CH | | s | t, ʧ [[210]](#endnote-210) | p | k | ʧ | | **z** | **d** | **b** | **g** | **J** | | Z, S [[211]](#endnote-211) | D | B | G, GU- 2 | J, G [[212]](#endnote-212) | | z | d, ʤ [[213]](#endnote-213) | b | g | ʤ | | **C** | **T** | **f** | **H** | **h** | | SH, (S,SS,C) 6,T[[214]](#endnote-214) | TH | F, PH [[215]](#endnote-215) | GH [[216]](#endnote-216) | H | | ʃ | θ | f | x | h, -ɦ-, ç 3 | | **j** | **D** | **v** | K |  | | (Z, S 4) 6 | TH | V |  |  | | ʒ | ð | v |  |  | | **S** | **Q** | **[** | **x** |  | | SS, (C, SC) 1 | ST | SP | SC, SK 1 |  | | s | st, sʧ~ʃʧ 3 | sp | sk |  | | **Z** | **q** | { | **X** |  | | ZZ | TZ [[217]](#endnote-217) |  | X |  | | z | ʦ | ks,kʃ 6, (gz,gʒ 6)[[218]](#endnote-218) | | | | **m** | **n** | **r** | **l** | **w** | | M | N | R | L | W, U- [[219]](#endnote-219) | | m | n | ɹ~ɻ, (-ə) | ɫ, l [[220]](#endnote-220) |  | |  | **N** |  | **y** | **G** | |  | NG |  | Y- | WH | |  | ŋ, -ŋg- |  | j | ʍ ~ w | | **a** | **e** | **o** | **i** | **u** | | A | E | O, AU, AW | I, Y | U | | ǽ, ə, ɑ [[221]](#endnote-221)+[[222]](#endnote-222) | ɛ́, ɨ, ɜ 14 | ɒ́~ɑ́, ə, ɔ 14 | ɪ́, ɨ, ɜ 14, j- | ʌ́, ʊ́[[223]](#endnote-223), ə, ɜ 14 | |  | **I** | **?** |  |  | |  | **E**,EE [[224]](#endnote-224) | OO, OU |  |  | |  | iː, ɪə 14 | uː, ʊə 14 |  |  | | **A** | **E** | **O** |  | **W** | | **I,Y**,IE [[225]](#endnote-225) | **A**,AI [[226]](#endnote-226) | OI, OY |  | UI | | aɪ, aɪə 14 | eɪ, eə 14 | oɪ |  | uɪ | | **/** | **Y** | **U** |  |  | | OU, OW | **U**, UE [[227]](#endnote-227) | **O**, OE, OA |  |  | | aʊ, aʊə 14 | (j)uː ~ jʉː | oʊ, ɔː 14 |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | **Russian** (*39 letters*)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **s** | **t** | **p** | **k** | **c** | | С | Т | П | К | Ч | | s, sʲ [[228]](#endnote-228) | t, tʲ 21 | p, pʲ 21 | k, kʲ 21 | ʨ | | **z** | **d** | **b** | **g** |  | | З | Д | Б | Г |  | | z, zʲ 21 | d, dʲ 21 | b, bʲ 21 | g, gʲ 21, x [[229]](#endnote-229) |  | | **C** | T | **f** | **H** |  | | Ш |  | Ф | Х |  | | ʂ |  | f, fʲ 21 | x, ç 21 |  | | **j** | D | **v** | **K** |  | | Ж |  | В | [ Г ] [[230]](#endnote-230) |  | | ʐ |  | v, vʲ 21 | ɣ~ɦ, ʝ 21 |  | | **S** | **Q** | **[** | **]** |  | | Щ | СТ | СП | СК |  | | ɕː ~ ɕʨ | st, stʲ 21 | sp, spʲ 21 | sk, skʲ 21 |  | | **Z** | **q** | { | X |  | | ЖЖ | Ц |  |  |  | | ʑː ~ ʐː | ʦ |  |  |  | | **m** | **n** | **r** | **l** | **w** | | М | Н | Р | Л | [ У- ] [[231]](#endnote-231) | | m, mʲ 21 | n, ɲ 21 | r, rʲ 21 | ɫ, ʎ 21 | w | |  | **N** |  | **y** |  | |  | НН |  | Й |  | |  | nː, ɲː 21 |  | j |  | | **a** | **e** | **o** | **i** | **u** | | А | Е | О | И | У | | á, ɑ́[[232]](#endnote-232), ɐ[[233]](#endnote-233), ə | je[[234]](#endnote-234), ʲé, ʲɪ | ó, ɐ26, ə | i27, ʲí, ʲɪ | ú, ʊ | |  | **I** | **?** | **h** |  | |  | Э | Ё | Ь |  | |  | ɛ́, ɪ | jɵ́27, ʲɵ́ | ʲ [[235]](#endnote-235) |  | | **A** | E |  | **Y** | **O** | | Я |  |  | Ы | Ю | | jæ27, ʲǽ, ʲɪ |  |  | ɨ́, ɪ | jʉ27, ʲʉ́, ʲʊ | | **ah** | **eh** | **oh** | **ih** | **uh** | | АЙ | ЕЙ | ОЙ | ИЙ | УЙ | | áj, ɐj26, əj | jej27, ʲéj, ʲɪj | ój, ɐj26, əj | ij27, ʲíj, ʲɪj | új, ʊj | | **Ah** | **Ih** | **?h** | **Yh** | **Oh** | | ЯЙ | ЭЙ | ЁЙ | ЫЙ | ЮЙ | | jæj27, ʲǽj, ʲɪj | ɛ́j, ɪj | jɵ́j27, ʲɵ́j | ɨ́j, ɪj | jʉj27, ʲʉ́j,ʲʊj | |

1. Aspirated consonants resulting from the loss of (Proto-Vórean) a in open pre-tonic syllables, or from h-assimilation [↑](#endnote-ref-1)
2. After m, n. In Gréetyan, also in the beginning of a sentence. [↑](#endnote-ref-2)
3. Adds *creaky voice* phonation to the preceding vowel [↑](#endnote-ref-3)
4. Before j (palatal assimilation) [↑](#endnote-ref-4)
5. In open unstressed syllables, and in a final unstressed syllable [↑](#endnote-ref-5)
6. In open pre-tonic syllables, or before pre-tonic (r, l, m, n) + *consonant*. Elision was blocked for (most) monosyllabic roots [↑](#endnote-ref-6)
7. Before an unstressed word-final r, l, m or n [↑](#endnote-ref-7)
8. In post-tonic but not word-final syllables; also in closed pre-tonic syllables [↑](#endnote-ref-8)
9. In any post-tonic syllable [↑](#endnote-ref-9)
10. In closed pre-tonic syllables [↑](#endnote-ref-10)
11. In closed stressed *and* closed post-tonic syllables [↑](#endnote-ref-11)
12. In *open* pre-tonic, *closed* stressed, and *closed* post-tonic syllables [↑](#endnote-ref-12)
13. Before stressed or post-tonic (r, l, m, n) + *consonant*; before an unstressed word-final consonant;   
     and in open post-tonic syllables, but not word-finally [↑](#endnote-ref-13)
14. In open post-tonic syllables, but not word-finally [↑](#endnote-ref-14)
15. When stressed before r or l [↑](#endnote-ref-15)
16. After s, n or ɻ [↑](#endnote-ref-16)
17. Áltheran singular Genitive endings have lenited –d– to –ð- , under the influence of Ánderan [↑](#endnote-ref-17)
18. With the loss of the case system in Proto-Fysk, the Genitive case became a *genitive construct*, just as English –'s [↑](#endnote-ref-18)
19. Sporadic, mostly with **CVC-** and **CR̩C-** roots [↑](#endnote-ref-19)
20. Proto-Fysk plurals substituted final -r for the expected \*-y , possibly under the influence of some lost substratum [↑](#endnote-ref-20)
21. Re-classed as Feminine [↑](#endnote-ref-21)
22. Proto-Fysk had discontinued this noun class, regrouping nouns as either Masculine in –A, or Feminine in –IA [↑](#endnote-ref-22)
23. After s, n or ɻ [↑](#endnote-ref-23)
24. Sporadic, mostly with **CVC-** and **CR̩C-** roots [↑](#endnote-ref-24)
25. Forms with -a- are used after syllables containing a falling diphthong aʔ, iʔ, uʔ, aj, ij, uj, aw, iwor uw [↑](#endnote-ref-25)
26. Proto-Fysk 2nd and 3rd person endings underwent an aspiration shift: k > kʰ > x and t > tʰ > l , respectively [↑](#endnote-ref-26)
27. By analogy [↑](#endnote-ref-27)
28. Dissimilation by analogy with Nominative in A-Declension nouns [↑](#endnote-ref-28)
29. Forms with leading s- are used with *animate* objects [↑](#endnote-ref-29)
30. Stress shifted to the vowel immediately preceding the ending [↑](#endnote-ref-30)
31. After a consonant cluster [↑](#endnote-ref-31)
32. 3rd person Dual and Plural forms were identical in all conjugations [↑](#endnote-ref-32)
33. By analogy to the Present tense Athematic [↑](#endnote-ref-33)
34. Changed by dissimilation from the Present tense [↑](#endnote-ref-34)
35. Áltheran supine / infinitive endings have lenited –d to –ð , under the influence of Ánderan [↑](#endnote-ref-35)
36. In Classical Áltheran, Feminine verbal nouns were re-classed as –IS nouns [↑](#endnote-ref-36)
37. Proto-Fysk re-defined all Feminine nouns as –IA nouns [↑](#endnote-ref-37)
38. Proto-Fysk instrument nouns augmented with –t , by analogy to result nouns [↑](#endnote-ref-38)
39. Changed by dissimilation from instrument noun [↑](#endnote-ref-39)
40. Borrowed from Insular [↑](#endnote-ref-40)
41. By analogy with Thematic conjugations [↑](#endnote-ref-41)
42. Stops remain unchanged after (original) m, n, s [↑](#endnote-ref-42)
43. Before j (palatal assimilation) [↑](#endnote-ref-43)
44. Before e, i, or j [↑](#endnote-ref-44)
45. After e, i, or *vowel+*j [↑](#endnote-ref-45)
46. Before n [↑](#endnote-ref-46)
47. Before a, aɪ, ɔ or oɪ [↑](#endnote-ref-47)
48. Before w (labial assimilation) [↑](#endnote-ref-48)
49. In open syllables before i or j+*vowel* (> palatal)in the next syllable [↑](#endnote-ref-49)
50. In open syllables, except after j [↑](#endnote-ref-50)
51. In open post-tonic syllables before r, l, m or n [↑](#endnote-ref-51)
52. When stressed before r or l [↑](#endnote-ref-52)
53. In open syllables before a or o in the next syllable [↑](#endnote-ref-53)
54. In open unstressed syllables [↑](#endnote-ref-54)
55. In open post-tonic syllables, but not word-finally [↑](#endnote-ref-55)
56. In open syllables before o in the next syllable [↑](#endnote-ref-56)
57. Before stressed or post-tonic (r, l, m, n) + *consonant*; before an unstressed word-final consonant;   
     and in open post-tonic syllables, but not word-finally [↑](#endnote-ref-57)
58. Final –s elided after unstressed ə, i or u [↑](#endnote-ref-58)
59. Final unstressed –əs, –is or –us elided. In Erdahalión, elided –is had left trace palatalization on the previous sound [↑](#endnote-ref-59)
60. Áltheran singular Genitive endings have lenited –d– to –ð- , under the influence of Ánderan [↑](#endnote-ref-60)
61. The –nte ending was borrowed from Fysk (Paucal Genitive construct) [↑](#endnote-ref-61)
62. Sporadic, mostly with **CVC-** and **CR̩C-** roots. In Áltheran, the distinction became dialectal, with daughter languages tending to normalize one form and discard the other [↑](#endnote-ref-62)
63. Final –s elided after *vowel+*j [↑](#endnote-ref-63)
64. Séracal Genitive plurals have geminated the –s– in order to dissimilate from the respective Genitive singular endings [↑](#endnote-ref-64)
65. Final –n restored for dissimilation from the singular form [↑](#endnote-ref-65)
66. Séracal shifted the usage of *dual* endings to *feminine plural,* thus -ɑ́ŋ is the plural form of -ɑ [↑](#endnote-ref-66)
67. Only –IS nouns (including some former –I nouns); other –I nouns moved to the Consonantal declension [↑](#endnote-ref-67)
68. Common Erdahalión re-classified –IS nouns as *feminine* Ī-nouns [↑](#endnote-ref-68)
69. By analogy [↑](#endnote-ref-69)
70. Merged with the Consonantal declension [↑](#endnote-ref-70)
71. Merged with the Feminine A-declension [↑](#endnote-ref-71)
72. Merged with the Masculine A-declension (–OS nouns) [↑](#endnote-ref-72)
73. When the final consonant is t, θ, n, ŋ, s, ʎ, ɾ or j [↑](#endnote-ref-73)
74. Also for Masculine nouns formerly in the I-declension [↑](#endnote-ref-74)
75. Final –s elided after unstressed ə, i or u [↑](#endnote-ref-75)
76. Final unstressed –əs, –is or –us elided. In Erdahalión, elided –is had left trace palatalization on the previous sound [↑](#endnote-ref-76)
77. Séracal Genitive plurals have geminated the –s– as to dissimilate them from the respective Genitive singular endings [↑](#endnote-ref-77)
78. Final –n restored for dissimilation from the singular form [↑](#endnote-ref-78)
79. Séracal shifted the usage of *dual* endings to *feminine plural,* thus -ɑ́ŋ is the plural form of -ɑ [↑](#endnote-ref-79)
80. Restored via Classical Áltheran [↑](#endnote-ref-80)
81. When the final consonant is t, θ, n, ŋ, s, ʎ, ɾ or j [↑](#endnote-ref-81)
82. Sporadic, mostly with **CVC-** and **CR̩C-** roots [↑](#endnote-ref-82)
83. By analogy [↑](#endnote-ref-83)
84. Between vowels; between between r, l, m, n and a vowel; after vowels except word-finally [↑](#endnote-ref-84)
85. Between r or land a (early Néteran) vowel. The vowel might be lost by later developments [↑](#endnote-ref-85)
86. Preserved in word-final *–nd*, *-ld* and *–rd* [↑](#endnote-ref-86)
87. Before j (palatal assimilation) [↑](#endnote-ref-87)
88. Before e, i, or j [↑](#endnote-ref-88)
89. Between e, i, j and (r, l, m, n); in some dialects of Southern Néteran — also word-finally after e, i, j [↑](#endnote-ref-89)
90. Before j; also between ɛɪ, ɔɪ, i, or e and a consonant or end-of-word [↑](#endnote-ref-90)
91. Before e, i, or j; also between i or e and a consonant or end-of-word [↑](#endnote-ref-91)
92. Before j, r or after r, l [↑](#endnote-ref-92)
93. In many common words, re-borrowed from Áltheran [↑](#endnote-ref-93)
94. After e, i, or *vowel+*j [↑](#endnote-ref-94)
95. Between vowels; also between n, l and a vowel. [↑](#endnote-ref-95)
96. Before p, t, ʦ, ʧ or k, if the second nasal in a word. [↑](#endnote-ref-96)
97. After ɛː, ɔː or uː, shortening them [↑](#endnote-ref-97)
98. After a, o or u [↑](#endnote-ref-98)
99. Before i or j in the next syllable [↑](#endnote-ref-99)
100. Stressed é and ó exhibit pleophony before non-final r, l, m or n. Thus: \*ér, \*ór > ére, óro; \*él, \*ól > éle, ólo; etc. [↑](#endnote-ref-100)
101. Pre-tonic [↑](#endnote-ref-101)
102. In open syllables [↑](#endnote-ref-102)
103. Only in the inflectional endings of the I-declension Nominative [↑](#endnote-ref-103)
104. In closed syllables [↑](#endnote-ref-104)
105. Before r, l [↑](#endnote-ref-105)
106. The *construct state* is a new feature in Téleran for creating compound nouns. It uses a special set of endings, usually formed by contracting regular (*absolute* *state*) endings [↑](#endnote-ref-106)
107. Re-borrowed from Áltheran for some common words and names, most of which correspond to Mágeran –os nouns [↑](#endnote-ref-107)
108. By merger of *Schwa*, *Consonant* and *Short-I* declensions [↑](#endnote-ref-108)
109. Reserved for poetic usage, as well as a few fixed interjections [↑](#endnote-ref-109)
110. Dialectal [↑](#endnote-ref-110)
111. Triggered an I-umlaut on the previous syllable (see ***vowels***table above), which then continues to mutate all open

     syllables, until blocked by a *consonant cluster* or by a *diphthong* with the same glide as the following vowel [↑](#endnote-ref-111)
112. With I-umlaut by analogy [↑](#endnote-ref-112)
113. Kórdorras had Partitive Accusative forms take over the Nominative, thus ending in -ɔʁ̞ instead of -ɛm/ɔm;   
     while Córderan had dropped the final –m in the subject of *genitive constructs* (e.g. "*The tower of London*") [↑](#endnote-ref-113)
114. Vestigial. Only for numbers, body parts and certain "paired" objects (such as glasses, briefs, bicycle etc.) [↑](#endnote-ref-114)
115. Only in Kórdorras [↑](#endnote-ref-115)
116. Borrowed from Córderan [↑](#endnote-ref-116)
117. Spelled with silent *-E*. Female personal names were mostly immune to this change, retaining the final -a [↑](#endnote-ref-117)
118. Syncretized from the (lost) Genitive case [↑](#endnote-ref-118)
119. By analogy with the –a/-ja pattern [↑](#endnote-ref-119)
120. By analogy with the Feminine Ī-declension [↑](#endnote-ref-120)
121. Spelled *-IE* [↑](#endnote-ref-121)
122. With added –s to dissimilate from the Nominative singular [↑](#endnote-ref-122)
123. Spelled *-IES* [↑](#endnote-ref-123)
124. In borrowings from Mágeran, and a few other feminine I-nouns by analogy [↑](#endnote-ref-124)
125. By analogy with Feminine –IA nouns [↑](#endnote-ref-125)
126. By analogy with the Masculine Ī-declension [↑](#endnote-ref-126)
127. After complex consonant clusters [↑](#endnote-ref-127)
128. Broken plural [↑](#endnote-ref-128)
129. With broken plural by analogy [↑](#endnote-ref-129)
130. Probably influenced by the Mágeran I-declension [↑](#endnote-ref-130)
131. By analogy with the S-declension [↑](#endnote-ref-131)
132. Spelled with silent *-E* [↑](#endnote-ref-132)
133. For the few Feminine Consonantal nouns [↑](#endnote-ref-133)
134. Predominantly in monosyllabic words [↑](#endnote-ref-134)
135. By analogy with the Schwa declension [↑](#endnote-ref-135)
136. Spelled *-ES* [↑](#endnote-ref-136)
137. Using the *S-assimilation* rule described above, with the following modifications:

     -ʦ > -ʦi , -s, -z > -sːi , -si > -esːi , -ʃ, -ʒ > -ʃi , -m > -mpsi , -n, -r > -ri [↑](#endnote-ref-137)
138. Case and number agreement lost, as a result of adjectives moving in front of the nouns they describe [↑](#endnote-ref-138)
139. Endings lost, as a result of adjectives moving in front of the nouns they describe [↑](#endnote-ref-139)
140. Spelled with silent *-E* [↑](#endnote-ref-140)
141. By analogy [↑](#endnote-ref-141)
142. By analogy with the nominal Schwa declension [↑](#endnote-ref-142)
143. Kórdorras had Partitive Accusative forms take over the Nominative, thus ending in -ɔʁ̞ instead of -ɛm/ɔm [↑](#endnote-ref-143)
144. Only in Kórdorras [↑](#endnote-ref-144)
145. Restored via Classical Áltheran [↑](#endnote-ref-145)
146. With feminine nouns, by analogy [↑](#endnote-ref-146)
147. With feminine nouns [↑](#endnote-ref-147)
148. For adjective stems ending in -r, -l, -m, -n, -w, -j, -θ or –s [↑](#endnote-ref-148)
149. Using the *S-assimilation* rule described above, with the following modifications:

     -ʦ > -ʦi , -s, -z > -sːi , -si > -esːi , -ʃ, -ʒ > -ʃi , -m > -mpsi , -n, -r > -ri [↑](#endnote-ref-149)
150. Stops remain unchanged after (original) m, n, s [↑](#endnote-ref-150)
151. Retained sporadically [↑](#endnote-ref-151)
152. Before consonants [↑](#endnote-ref-152)
153. Before j (palatal assimilation) [↑](#endnote-ref-153)
154. After a fricative or an affricate [↑](#endnote-ref-154)
155. After n, r, l [↑](#endnote-ref-155)
156. Elongates (actually makes *tense*) the previous vowel [↑](#endnote-ref-156)
157. Sonorants m, n, r and l cannot appear next to each other (e.g. \*rm, \*ln, \*rl) in Páramalts, and thus separated by an epenthetic, usually echoing the previous vowel [↑](#endnote-ref-157)
158. In words containing a previous r [↑](#endnote-ref-158)
159. Before a [↑](#endnote-ref-159)
160. After e or i in the stressed syllable [↑](#endnote-ref-160)
161. Three syllables away from stress [↑](#endnote-ref-161)
162. After a, o or u in the stressed syllable [↑](#endnote-ref-162)
163. Two syllables away from stress [↑](#endnote-ref-163)
164. In open unstressed syllables [↑](#endnote-ref-164)
165. Before a in the next syllable [↑](#endnote-ref-165)
166. For most speakers, labials p, b are realized as stops only after m, n. Otherwise, they are continuants ɸ~f, β̞~ʋ [↑](#endnote-ref-166)
167. Fused with a preceding ɻ [↑](#endnote-ref-167)
168. After a stressed vowel [↑](#endnote-ref-168)
169. Before Proto-Vórean j or elided word-final i [↑](#endnote-ref-169)
170. Word-initially or after m, n, ŋ~ɴ [↑](#endnote-ref-170)
171. Before p, t, k, m, n, ɻ, l or ʋ [↑](#endnote-ref-171)
172. In closed stressed syllables [↑](#endnote-ref-172)
173. Before E, EA, EI/EY, EO, EU or I [↑](#endnote-ref-173)
174. After e, i, or *vowel+*j [↑](#endnote-ref-174)
175. Word-initially or between vowels [↑](#endnote-ref-175)
176. Only in loanwords (predominantly from Ánderan) [↑](#endnote-ref-176)
177. In the clusters C/K+W » QU- , and G+W » GU- [↑](#endnote-ref-177)
178. Between a consonant and a vowel [↑](#endnote-ref-178)
179. Between vowels; also between n, l and a vowel [↑](#endnote-ref-179)
180. In words of Mágeran or Córderan / Kórdorras origin [↑](#endnote-ref-180)
181. In loanwords from languages with a ɣ ~ ʕ ~ ɦ sound [↑](#endnote-ref-181)
182. After *"hard"* C or G [↑](#endnote-ref-182)
183. Pre-tonic [↑](#endnote-ref-183)
184. Before (R, RH, L, M, N, H) + a vowel; in Téleran, also word-finally [↑](#endnote-ref-184)
185. Before r, l [↑](#endnote-ref-185)
186. Between vowels or word-finally [↑](#endnote-ref-186)
187. Word-finally, or before a word-final S [↑](#endnote-ref-187)
188. Before E, EA, EI, I or Y. In Kórdorras, K is always used for the k sound [↑](#endnote-ref-188)
189. Between a vowel and a consonant [↑](#endnote-ref-189)
190. Between E, EA, EI, I or Y and a consonant or end-of-word [↑](#endnote-ref-190)
191. Kórdorras only [↑](#endnote-ref-191)
192. Páramalts only: after n, r, l [↑](#endnote-ref-192)
193. Pálmeras: while *not* before consonants; Páramalts: after n, r, l [↑](#endnote-ref-193)
194. Páramalts only [↑](#endnote-ref-194)
195. Pálmeras only [↑](#endnote-ref-195)
196. After e or i in the stressed syllable [↑](#endnote-ref-196)
197. After a, o or u in the stressed syllable [↑](#endnote-ref-197)
198. Nasalized vowels are written with –M before P, B, F or V [↑](#endnote-ref-198)
199. Word-initially or after m, n, ŋ~ɴ [↑](#endnote-ref-199)
200. Before p, t, k, m, n, ɻ, l or ʋ [↑](#endnote-ref-200)
201. After a stressed vowel [↑](#endnote-ref-201)
202. Parallel to intervocalic or post-vocalic B in Gérʼderan [↑](#endnote-ref-202)
203. After M, N, or a pausa [↑](#endnote-ref-203)
204. Adds *creaky voice* phonation to the preceding vowel [↑](#endnote-ref-204)
205. Before E, EY or Y [↑](#endnote-ref-205)
206. In Southern dialects — between vowels; in Southwestern dialects — also before/after M, N, R or L; absent from   
      Northern dialects [↑](#endnote-ref-206)
207. In Southern and Southwestern dialects [↑](#endnote-ref-207)
208. Before E, EA, EI/EY, EU, I or Y [↑](#endnote-ref-208)
209. In words of French origin [↑](#endnote-ref-209)
210. Before *"long"* U [↑](#endnote-ref-210)
211. Unstressed between vowels in words of French or Latin origin; also in *plural* and *possessive* markers [↑](#endnote-ref-211)
212. Before E, I or Y in words of French or Latin origin [↑](#endnote-ref-212)
213. Before *"long"* U or I/Y+*vowel* [↑](#endnote-ref-213)
214. Before I/Y+*vowel* [↑](#endnote-ref-214)
215. In words of Greek origin [↑](#endnote-ref-215)
216. Only in Scottish/Irish English and Scots; all other sounds spelled *GH* are spelled phonetically in Legi Ferri [↑](#endnote-ref-216)
217. In loans from German and Yiddish [↑](#endnote-ref-217)
218. Between E and a vowel [↑](#endnote-ref-218)
219. In the clusters C/K+W » QU- , and G+W » GU- [↑](#endnote-ref-219)
220. Only in British English: before *front* vowels [↑](#endnote-ref-220)
221. Before R + consonant / end-of-word [↑](#endnote-ref-221)
222. Only in British English: before TH, S, SS or F [↑](#endnote-ref-222)
223. Between P, F, BL, FL and T, D, TH, L; in Northern English — anywhere [↑](#endnote-ref-223)
224. Also spelled EA, EI, EY, IE, AE or OE (the last two only in unassimilated words of Latin origin) [↑](#endnote-ref-224)
225. Also spelled IE/YE or UY word-finally; the combinations IA/YA, IO/YO and IE/YE (not word-finally) are spelled in   
     Legi Ferri as **I/Y +** the respective *"short"* vowel [↑](#endnote-ref-225)
226. Also spelled AY, EI, EY, EA or AE (the last one in words of Scottish or Irish origin) [↑](#endnote-ref-226)
227. Also spelled EU or EW [↑](#endnote-ref-227)
228. Before *"soft"* vowels Ь, Е, Ё, И, Ю or Я [↑](#endnote-ref-228)
229. Before К, Г; also word-finally in a few select words [↑](#endnote-ref-229)
230. In words of Ukrainian, Belorussian or Czech origin [↑](#endnote-ref-230)
231. In words of Belorussian, Polish or English origin [↑](#endnote-ref-231)
232. Before *"hard"* Л [↑](#endnote-ref-232)
233. Pre-tonic [↑](#endnote-ref-233)
234. Word-initially or after Ь [↑](#endnote-ref-234)
235. Palatalizes the preceding consonant [↑](#endnote-ref-235)