# ꓶᔕᘎᑕꝪᐳꞮ

demlermorna

Demlermorna is a system of writing, designed for use with the constructed language Lojban. Its original consonants are the same as those in its developmental predecessor ᏢᔓᘎᑕꝪᐳꞮ (zbalermorna), whose simpler consonant + vowel diacritic conjoinings are avoided by introducing a slightly higher amount of letter characters (like e.g. also Japanese applies special characters for conjoined consonant+vowel imparting: Hiragana, Katakana) which improves zbalermorna's weakness of vowel changes already at slightest changes of diacritic points/strokes. Among those consonant+vowel fusions only '.y', '. + diphthong (ai, au, ei, oi)' and the 48 combinations '(quasi) sibilant consonant + diphthong' in the bottom right corner of this table are represented in 2 ꓶᔕᘎꝪᐳꞮ characters each:

|    |   |   | n | m | g | k | d | t | b | p | l | r | x | v | f | z | s | j | c |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|    | ı | · | ꞓ | ꙅ | ꞑ | ꞕ | ꛯ | ꜧ | ꞁ | ꞔ | ꞓ | ꞎ | ꞵ | ꝃ | ꞷ | ꝅ | ꝩ | ꝧ | Ɬ |
| a  | ᒥ | F | T | Ɛ | ꙅ | ꓲ | ꞙ | ꞡ | ꞕ | ꞡ | ᐱ | ꞓ | ꞷ | ꝃ | ꝯ | E | ꝃ | ꓭ | ꞙ |
| e  | ᒥ | H | ꓮ | ꞓ | ꞡ | ꓲ | ꞕ | ꞡ | ꞕ | A | ꞽ | ᒪ | 5 | ꞓ | ꞡ | ꞽ | ꝯ | ꙵ | ꓮ |
| y  | + | ꓱ | ꓱ | ꞝ | ꞡ | ꞡ | ꞡ | ꞡ | ꞕ | ꞕ | ꞡ | 8 | ꞡ | ꞡ | ꞡ | ꞡ | ꞡ | ꞡ | ꓱ |
| i  | ꞓ | ꝴ | ꛬ | ꞓ | ꞡ | ꞡ | ꞕ | ꞕ | ꞕ | 6 | ꞡ | ꞡ | I | ꞕ | Z | ꞕ | ꝯ | N | ꞕ |
| o  | ᒪ | Y | ꓶ | ꞡ | ꞡ | ꞡ | ꞡ | ꞕ | ꞕ | ꞕ | ꞡ | ꞡ | Ꝩ | ꞡ | ꞡ | R | ꞡ | ꝩ | M |
| u  | ᒪ | D | ꞡ | ꞡ | ꞡ | ꞡ | ꞕ | ꞕ | ꞕ | ꞕ | ꞡ | Q | ꞡ | ꞡ | ꞡ | ꞡ | ꞡ | ꞡ | ꞡ |
| ai | Σ | ꞡ | Tꓥ | ꞡ | ꞡ | ꞡ | ꞕ | ꞕ | ꞕ | ꞕ | ꞡ |   |   |   |   |   |   |   |   |
| au | X | ꞡ | TꝞ | ꞡ | ꞡ | ꞡ | ꞕ | ꞕ | ꞕ | ꞕ | ꞡ |   |   |   |   |   |   |   |   |
| ei | S | ꞡ | Ꝟꓥ | ꞡ | ꞡ | ꞡ | ꞕ | ꞕ | ꞕ | ꞕ | ꞡ |   |   |   |   |   |   |   |   |
| oi | ꞓ | ꞡ | ꞡꓥ | ꞡ | ꞡ | ꞡ | ꞕ | ꞕ | ꞕ | ꞕ | G |   |   |   |   |   |   |   |   |

1. ꞕꞬY (cmavo) with one-ꓶᔕᘎꝪᐳꞮ-character representable pattern 'consonant + diphthong'
2. Further 'consonant + diphthong'-ꞕꞬY
3. ꞕꞬꞬY (attitudinal cmavo)

**1. The simplest consonants + diphthongs represent rather core language elements (Beginning with ꝩF the associated ꝧꞬY group is attached):**

ꞡ nai ꝩFꞡ negate last word attached to ꞕꞬY to negate them; various negation-related meanings

ꞡ nau ꝩFꞡH reference point tense: refers to current space/time reference absolutely

ꝩ nei ꝩFꞡF current ꞕꞽꞡ pro-ꞕꞽꞡ: repeats the current ꞕꞽꞡ

ꞡ noi ꝩFꞡ incidental clause non-restrictive relative clause; attaches subordinate ꞕꞽꞡ with incidental information

ꞡ mai ꝩFꞡ sentence ordinal utterance ordinal suffix; converts a number to an ordinal, such as an item or paragraph number

ꞡ mau ꝩFꞡ exceeded by ᏢꞬꞡ modal, 1st place (a greater) exceeded by ... ; usually a ꝩꙅꞕ modifier

ꞡ mei ꝩFꞡ cardinal ꝧꞓꞽ convert number to cardinality ꝧꞓꞽ; x1 is the mass formed from set x2 whose n member(s) are x3

ꞡ moi ꝩFꞡ ordinal ꝧꞓꞽ convert number to ordinal ꝧꞓꞽ; x1 is (n)th member of set x2 ordered by rule x3

ᚥ gai ᚨF⌐℃5 hex digit C digit/number: hex digit C (decimal 12) [twelve]

ᛝ gau ᚨF⅄ with active agent ᛱdᛖ modal, 1st place agent/actor case tag with active agent ...

ᚹ gei ᚨFⱫDℭ5 exponential notation trinary mathematical operator: order of magnitude/value/base; [b * (c to the a power)]

ᚸ goi ᚨFᚸ pro-ᚥ2Π assign ᚥ2Π assignment; used to define/assign ᛕF/ᚳF series pro-ᚥ2Π; Latin 'sive'

ᛕ kai ᚨF⅄ characterizing ᚻᛕN modal, 1st place characterizing ...

ᚪ kau ᚨFᛁΠℭᛱℭꝆ indirect question discursive: marks word serving as focus of indirect question: "I know WHO went to the store"

ᛋ kei ᚨFᛒ end abstraction elidable terminator: end abstraction ᛁᚼᛩ (often elidable)

ᛚ koi ᚨF⅄ bounded by ᛕᕼᛁ modal, 1st place (bordered by) bounded by ...

ᚤ dai ᚨFᛁΠℭᛘ empathy attitudinal modifier: marks empathetic use of preceding attitudinal; shows another's feelings (cf. ᚻᛖᛈᛉ)

ᚡ dau ᚨF⌐℃5 hex digit A digit/number: hex digit A (decimal 10) [ten]

ᛌ dei ᚨFᛕFℭ5 this utterance pro-ᚥ2Π: this utterance

ᛞ doi ᚨFᛘ vocative marker generic vocative marker; identifies intended listener; elidable after COI

ᚯ tai ᚨF⅄ in form ᚻ2dᛉ modal, 1st place (like)/(in manner 2) resembling ...; sharing ideal form ... (x1 resembles x2 sharing ideal form/shape x3 in property x4)

ᚻ tau ᚨFᛝ shift next ᛖᕼᛈ 2-word letteral/shift: change case for next letteral only

ᛦ tei ᚨFᚸ composite ᛖᕼᛈ composite letteral follows; used for muti-character letterals

ᚱ toi ᚨFᚱ end parenthesis elidable terminator: right parenthesis/end unquote; seldom elidable except at end of text

ᛩ bai ᚨF⅄ compelled by ᛩᚢℭ modal, 1st place (forced by) forcedly; compelled by force

ᚷ bau ᚨF⅄ in language ᛩᛋᚸ modal, 1st place in language ...

ᛤ bei ᚨFᛤ link more ᚥ2Π separates multiple linked ᚥ2Π within a ᚷℭᛁᚼ; used in descriptions

ᚸ boi ᚨFᚸ end number or ᛖᕼᛈ elidable terminator: terminate numeral or letteral string

ᚥ pai ᚨF⌐℃ᛘ pi digit/number: pi (approximately 3.1416...)

ᚦ pau ᚨFᛁΠℭᛱℭꝆ question follows discursive: optional question premarker (cf. ᚢ5Π)

ᚲ pei ᚨFᚻᛁᛋ emotion ? attitudinal: attitudinal question; how do you feel about it? with what intensity?

ᛚ poi ᚨFᛜ restrictive clause restrictive relative clause; attaches subordinate ᛁᚼᛩ with identifying information to a ᚥ2Π

ᛇ lai ᚨFᚪ the mass of named name descriptor: the mass of individual(s) named ... ; takes name or ᚷℭᛁᚼ description

�items lau ᚨFᛝ punctuation mark 2-word letteral/shift: punctuation mark or special symbol follows

ᛋ lei ᚨFᛖ the mass described non-veridical descriptor: the mass of individual(s) described as ...

ᚸ loi ᚨFᛖ the mass really is veridical descriptor: the mass of individual(s) that is(are) ...

**2. Those other (quasi) sibilants + diphthongs appear in common Lojban language use either rarer or inherently more emphasized:**

Ɔꞁ ꞙꟽꝹ with superlative traji modal, 1st place with superlative ...
ƆX ꞙꟽꝺꞒꞐ enough digit/number: enough; subjective
ƆS ꞙꟽꝺꞒ5 hex digit E digit/number: hex digit E (decimal 14) [fourteen]
Ɔꞁ ꞙꟽꝆꞁ quantified tense converts number to an objectively quantified tense interval modifier; defaults to time tense
7ꞁ ꞙꟽꝺꞒ5 hex digit F digit/number: hex digit F (decimal 15) [fifteen]
7X ꞙꟽ7X end simple ꞁꝱꞠ elidable: end of Ꞙ2ꟽ in simple ꞁꝱꞠ; in compound ꞁꝱꞠ, separates common trailing Ꞙ2ꟽ
7S ꞙꟽ7S left bracket left mathematical bracket
7ꞁ ꞙꟽꝧ descriptive clause non-veridical restrictive clause used to form complicated le-like descriptions using ꝅꟽ
Ꞁꞁ ꞙꟽE extra Ꞙ2ꟽ place Ꞙ2ꟽ place tag: tag a Ꞙ2ꟽ moved out of numbered place structure; used in modal conversions
ꞀX ꞙꟽꝹ in the event of Edꝅ modal, 1st place (non-causal) in the event of ...
ꞀS ꞙꟽꝺꞒ5 hex digit B digit/number: hex digit B (decimal 11) [eleven]
Ꞁꞁ ꞙꟽꞀꞁ end composite ꝺꞘꝷ terminator: end composite ꝺꞘꝷ; never elidable
Ƥꞁ ꞙꟽꝩ select alphabet 2-word letteral/shift: alternate alphabet selector follows
ƤX ꞙꟽꝹ approved by zanru modal, 1st place approved by ...
ƤS ꞙꟽƤS ꝅμꞐ glue joins preceding and following words into a ꝅμꞐ
Ƥꞁ ꞙꟽƤꞁ non-Lojban quote delimited non-Lojban quotation; the result treated as a block of text
dꞁ ꞙꟽꞙꞁ strong emotion attitudinal: moderate intensity attitude modifier
dX ꞙꟽꝹ requiring sarcu modal, 1st place requiring ...
dS ꞙꟽdS discursive ꞁꝱꞠ start discursive (metalinguistic) ꞁꝱꞠ
dꞁ ꞙꟽdꞁ reciprocal Ꞙ2ꟽ discursive: reciprocal Ꞙ2ꟽ marker; indicates a reciprocal relationship between Ꞙ2ꟽ
μꞁ ꞙꟽμꞁ modal conversion convert tense/modal (tagged) place to 1st place; 1st place moves to extra FA place (fai)
μX ꞙꟽꝺꞒ5 hex digit D digit/number: hex digit D (decimal 13) [thirteen]
μS ꞙꟽꝅ truth abstract abstractor: truth-value abstractor; x1 is truth value of [ꞁꝱꞠ] under epistemology x2
μꞁ ꞙꟽμꞁ in a mass with non-logical connective: mixed conjunction; "and" meaning "mixed together", forming a mass
ꞙꞁ ꞙꟽꞙꞁ intense emotion attitudinal: strong intensity attitude modifier
ꞙX ꞙꟽꝹ lacked by claxu modal, 1st place lacked by ..
ꞙS ꞙꟽꞙS pro-ꞁꝱꞠ assign ꝺꞒꞁꝱ variable assignment; assigns ꞁꝵꞘ series pro-ꞁꝱꞠ to a ꝺꞒꞁꝱ
ꞙꞁ ꞙꟽꞙꞁ greetings vocative: greetings/hello

**3. ꞙꝱꝲꞐ (cnima'o = attitudinal cmavo):**

TF attentive (neutralized via +'ꞡꝩ': inattentive, negated via +'ꝳꞁ': avoiding)
TH alertness (neg.: exhaustion)
Tꝩ effort (neutr.: no special effort, neg.: repose)
TꞐ hope (neg.: despair)
TD interest (ntr.: disinterest, neg.: repulsion)
Tꞁ intent (ntr.: indecision, neg.: refusal)
TV desire (ntr.: indifference, neg.: reluctance)

�ᚺF permission (neg.: prohibition)
⼀H competence (neg.: incompetence)
⼀ᛣ constraint (ntr.: independence, neg.: challenge)
⼀Y request (neg.: negative request)
⼀D suggestion (ntr.: abandon suggestion, neg.: warning)
⼀Λ obligation (neg.: freedom)
ᛊᚱ belief (ntr.: skepticism, neg.: disbelief)
ᛊᚺ agreement (neg.: disagreement)
ᛊᚾ fear (neg.: security)
ᛊᛁ respect (neg.: disrespect)
ᛊᚢ love (ntr.: no love lost, neg.: hatred)
ᛊF acceptance (neg.: blame)
ᛊH approval (ntr.: non-approval, neg.: disapproval)
ᛊᛣ togetherness (neg.: privacy)
ᛊY appreciation (neg.: envy)
ᛊD familiarity (neg.: mystery)
ᑐF pride (ntr.: modesty, neg.: shame)
ᑐH closeness (neg.: distance)
ᑐᛣ caution (neg.: rashness)
ᑐY patience (ntr.: mere tolerance, neg.: anger)
ᑐD relaxation (ntr.: composure, neg.: stress)
ᑐΛ complaint (neg.: pleasure)
ᑐΛ�F embarrassment, social complaint
ᑐΛ�H mental complaint (puzzlement, excess mental work)
ᑐΛᛏᛣ anxiety, emotional complaint
ᑐΛᛏY physical pain
ᑐΛᛏD sexual complaint
ᒫᚱ discovery (neg.: confusion)
ᒫᚺ surprise (ntr.: not very surprised, neg.: expectation)
ᒫᚺ% surprised?, surprise question
ᒫᚾ happiness (neg.: unhappiness)
ᒫᛁ completion (neg.: incompleteness)
ᒫᚢ pity (neg.: cruelty)
ᒫF gain (neg.: loss)
ᒫH wonder (neg.: commonplace)
ᒫᛣ amusement (neg.: weariness)
ᒫY courage (ntr.: timidity, neg.: cowardice)
ᒫD repentance (ntr.: lack of regret, neg.: innocence)