### 302052

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  $\rho \approx 222$  (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 52228 characters each:

				n	m	g	k	d	t	b	р	1	r	X	V	f	Z	s	j	С
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a	г	F	Τ	3	፬	٠(	G	4	h	λ	L	К	5	Q	7	Ε	ъ	Ą	দ	Я
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au	Х	Y	ΤV	81	ጀ	Ŋ	X	¥	ኃ	$\mathcal{I}$	ψ	Ŋ								
ei	S	ታ	1۸	$\mathcal{D}$	25	C)	S	2	ছ	85	ሂ	S								
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The writing system xinlermorna presentation at

http://mw.lojban.org/papri/devanagari\_orthography gives this text example for
it: pu ze'u se djuno lei ze'u renvi gi'e se jijnu ca le temci be le nu le dzena
ca jmive vau fa le du'u le bradi be le la tlunranan. ba klama ri
This in demlermorna with spaces only at 7d2-ends:

### ኦቮDJUክቂ የ፫D5ሪት ፕዘJNԻች ከናደማ ለናጙናለውድ ከተ5ን 1XECED612@ ለናፋኮልርንደር. አኮዳ፬፥

- 1.  $d\bar{z}y$  (cmavo) with one- $\bar{\zeta}2\dot{c}3\dot{z}3\dot{c}$ -character representable pattern 'consonant + diphthong'
- 2. Further 'consonant + diphthong'-doy'
- 3. **dź⊉Y** (attitudinal cmavo)

# 1. The simplest consonants + diphthongs represent rather core language elements (Beginning with \$F the associated $\Im C \Im Y$ group is attached):

- ${\mathfrak A}$  nai  ${\mathbb A} {\mathsf F} {\mathfrak A}$  negate last word attached to  ${\mathsf H} {\mathsf Z} {\mathsf Y}$  to negate them; various negation-related meanings
- $\vartheta$  nau  $\$F\, \lambda H$  reference point tense: refers to current space/time reference absolutely
- ${\tt V}$  nei  ${\tt AFIF}$  current  ${\tt 15Q}$  pro- ${\tt 15Q}$ : repeats the current  ${\tt 15Q}$
- $\ \zeta$  noi  $\ AF\ \zeta$  incidental clause non-restrictive relative clause; attaches subordinate  $\ 15\ \zeta$  with incidental information

- ${\mathfrak A}$  mai  ${\mathfrak SF}{\mathfrak A}$  sentence ordinal utterance ordinal suffix; converts a number to an ordinal, such as an item or paragraph number
- $\mathbf{7}$  mau  $\mathbf{5F}$  exceeded by  $-\mathbf{P2F}$  modal, 1st place (a greater); usually a  $\mathbf{92F}$  modifier
- ${\mathfrak B}$  mei  ${\mathfrak SF2}$  cardinal  ${\mathfrak JC15}$  convert number to cardinality  ${\mathfrak JC15}$ ; x1 is the mass formed from set x2 whose n member(s) are x3
- 2 moi SF2 ordinal 3C45 convert number to ordinal 3C45; x1 is (n)th member of set x2 ordered by rule x3
- ¶ gai AFFC5 hex digit C digit/number: hex digit C (decimal 12) [twelve]
- $\S$  gau  $\S F \$  with active agent  $\{d \$  modal, 1st place agent/actor case tag
- 7 goi \$F7 pro-\$U2F1 assign \$U2F2 assignment; used to define/assign &F/&F5 series pro-&U2F7; Latin 'sive'
- k kai AFP characterizing HAN modal, 1st place
- $\bar{\mathbf{k}}$  kau  $\mathbf{AFLINCACC}$  indirect question discursive: marks word serving as focus of indirect question: "I know WHO went to the store"
- **E** kei AFE end abstraction elidable terminator: end abstraction 15 (often elidable)
- $\blacksquare$  koi \$F bounded by \$3 modal, 1st place (bordered by)
- ሻ dai \$F\$በሮኔ empathy attitudinal modifier: marks empathetic use of preceding attitudinal; shows another's feelings (cf. nέ )2
- $\forall$  dau AFFC5 hex digit A digit/number: hex digit A (decimal 10) [ten]
- \$ dei \$F&F&5 this utterance pro-\$92F: this utterance
- % doi \$F% vocative marker generic vocative marker; identifies intended listener; elidable after COI
- $\uppha$  tai  $\upbeta \digamma \uppha$  in form  $\upbeta 2d2$  modal, 1st place (like)/(in manner 2) resembling ...; sharing ideal form ... (x1 resembles x2 sharing ideal form/shape x3 in property x4)
- 5 tau \$FN shift next  $\verb+COL-2-word$  letteral/shift: change case for next letteral only
- R tei SFR composite COE composite letteral follows; used for muti-character letterals
- $\vec{R}$  toi  $\vec{A}\vec{F}\vec{R}$  end parenthesis elidable terminator: right parenthesis/end unquote; seldom elidable except at end of text
- $\mathfrak{L}$  bai  $\mathfrak{SFL}$  compelled by  $\mathfrak{LVE}$  modal, 1st place (forced by)
- $\mathfrak{F}$  bau  $\mathfrak{SFP}$  in language  $\mathfrak{F}\mathfrak{F}$  modal, 1st place
- $\mathfrak L$  bei  $\mathbf KF \mathfrak L$  link more  $\mathbf V2F$  separates multiple linked  $\mathbf V2F$  within a  $\mathbf JC15$ ; used in descriptions
- 7 boi 17 end number or 29 elidable terminator: terminate numeral or letteral string
- \$ pai  $\mathsf{AFFEZ}$  pi digit/number: pi (approximately 3.1416...)
- $\phi$  pau <code>AFUNCACL</code> question follows discursive: optional question premarker (cf.  $\nu 5 \pi)$
- $\Sigma$  pei  $\mathbf{AF}\mathbf{n}\Sigma$  emotion ? attitudinal: attitudinal question; how do you feel about it? with what intensity?
- $\Sigma$  poi SFZ restrictive clause restrictive relative clause; attaches subordinate  $15\overline{Q}$  with identifying information to a 92F

- $\xi$  lai  $\xi F R$  the mass of named name descriptor: the mass of individual(s) named ...; takes name or  $\xi C \eta T$
- $\forall$  lau  $\mathbf{AFV}$  punctuation mark 2-word letteral/shift: punctuation mark or special symbol follows
- $\$  lei  $\$ Fc the mass described non-veridical descriptor: the mass of individual(s) described as ...
- G loi AFC 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:

- $\Im\Sigma$  &F &F with superlative  $h\Im N$  modal, 1st place
- **3X** AFLEY enough digit/number: enough; subjective
- **OS** AFCC5 hex digit E digit/number: hex digit E (decimal 14) [fourteen]
- $\Im \Im SF3 \Im$  quantified tense converts number to an objectively quantified tense interval modifier; defaults to time tense
- $7\Sigma$  SFCC5 hex digit F digit/number: hex digit F (decimal 15) [fifteen]
- 7X \$F7X end simple  $15\mbox{\ensuremath{\mbox{$\sqrt{15}$}}\mbox{\e$
- 7S \$F7S left bracket left mathematical bracket
- 73  $\mbox{SFG}$  descriptive clause non-veridical restrictive clause used to form complicated le-like descriptions using  $\mbox{KF}$
- $\ensuremath{\mathsf{L}\Sigma}$  \$FE extra  $\ensuremath{\mathsf{U2R}}$  place  $\ensuremath{\mathsf{U2R}}$  place tag: tag a  $\ensuremath{\mathsf{U2R}}$  moved out of numbered place structure; used in modal conversions
- $\Delta X$  AFP in the event of Edt modal, 1st place (non-causal)
- 45 \$FFC5 hex digit B digit/number: hex digit B (decimal 11) [eleven]
- $L \Im \text{SFL} \Im \text{ end composite } 232 \text{terminator: end composite } 232; \text{ never elidable}$
- $P\Sigma$  SFV select alphabet 2-word letteral/shift: alternate alphabet selector follows
- PX AFP approved by 27% modal, 1st place
- $\rho$ S  $AF\rho$ S  $AF\rho$ S  $\mu$ Y glue joins preceding and following words into a  $\mu$ Y
- PI AFPI non-Lojban quote delimited non-Lojban quotation; the result treated as a block of text
- ${
  m d}\Sigma$   ${
  m AF}{
  m d}\Sigma$  strong emotion attitudinal: moderate intensity attitude modifier
- dX AFP requiring  $dO\lambda$  modal, 1st place
- dS AFdS discursive 15 $\overline{v}$  start discursive (metalinguistic) 15 $\overline{v}$
- d] AFd] reciprocal U2F discursive: reciprocal U2F marker; indicates a reciprocal relationship between U2F
- $\mu\Sigma$  AF $\mu\Sigma$  modal conversion convert tense/modal (tagged) place to 1st place; 1st place moves to extra FA place (fai)
- PX AFFC5
   hex digit D digit/number: hex digit D (decimal 13) [thirteen]
- $\mu$ S  $\pi$ K truth abstract abstractor: truth-value abstractor; x1 is truth value of  $\pi$ 0 under epistemology x2
- $\mbox{\sc MFMI}$  in a mass with non-logical connective: mixed conjunction; "and" meaning "mixed together", forming a mass
- $\mathsf{d}\Sigma$  AF  $\mathsf{d}\Sigma$  intense emotion attitudinal: strong intensity attitude modifier
- $dX \ AFP$  lacked by dRQ modal, 1st place
- HI AFHI greetings vocative: greetings/hello

#### 3. ďžΣΥ (cnima'o = attitudinal cmavo):

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TF attentive (neutralized via +'\lambda \gamma': inattentive, negated via +'\beta': avoiding)
TH alertness (neg.: exhaustion)
TY effort (neutr.: no special effort, neg.: repose)
TY hope (neg.: despair)
TD interest (ntr.: disinterest, neg.: repulsion)
Th intent (ntr.: indecision, neg.: refusal)
TV desire (ntr.: indifference, neg.: reluctance)
1F permission (neg.: prohibition)
1H competence (neg.: incompetence)
19 constraint (ntr.: independence, neg.: challenge)
1Y request (neg.: negative request)
1D suggestion (ntr.: abandon suggestion, neg.: warning)
↑Λ obligation (neg.: freedom)
¬► agreement (neg.: disagreement)
~∏ fear (neg.: security)
¬」 respect (neg.: disrespect)
<sup>~</sup>□ love (ntr.: no love lost, neg.: hatred)
F acceptance (neg.: blame)
 `H approval (ntr.: non-approval, neg.: disapproval)
で
    togetherness (neg.: privacy)
'Y appreciation (neg.: envy)
TD familiarity (neg.: mystery)
△H closeness (neg.: distance)
ി caution (neg.: rashness)
∆Y patience (ntr.: mere tolerance, neg.: anger)
△D relaxation (ntr.: composure, neg.: stress)
△Λ complaint (neg.: pleasure)
△A¥F embarrassment, social complaint
△ASH mental complaint (puzzlement, excess mental work)
ጋለሄዋ anxiety, emotional complaint
△ΛY physical pain
△AYD sexual complaint
□ discovery (neg.: confusion)
□ surprise (ntr.: not very surprised, neg.: expectation)
⊔⊢ኒ surprised?, surprise question
□□□ happiness (neg.: unhappiness)
□ completion (neg.: incompleteness)

□□ pity (neg.: cruelty)

□H wonder (neg.: commonplace)
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