## Xoqolat: cmavo

| .a | A | sumti or |
| :---: | :---: | :---: |
| .a'a | UI1 | attentive |
| .a'acu'i | UI*1 | inattentive |
| .a'anai | UI*1 | avoiding |
| .a'e | UI1 | alertness |
| - a'enai | UI*1 | exhaustion |
| .a'i | UI1 | effort |
| .a'icu'i | UI*1 | no special effort |
| .a'inai | UI*1 | repose |
| .a'o | UI1 | hope |
| .a'onai | UI*1 | despair |
| .a'u | UI1 | interest |
| .a'ucu'i | UI *1 | disinterest |
| .a'unai | UI*1 | repulsion |
| . abu | BY* | a |
| .ai | UI1 | intent |
| .aicu'i | UI*1 | indecision |
| .ainai | UI*1 | refusal |
| .au | UI1 | desire |
| .aucu'i | UI*1 | indifference |
| .aunai | UI*1 | reluctance |
| ba | Pu | after |
| ba'a | UI2 | I anticipate |
| ba'acu'i | UI*2 | I experience |
| ba'anai | UI*2 | I remember |
| ba'e | BAhE | emphasize next |
| ba'i | BAI | replaced by |
| ba'o | zAhO | perfective |
| ba'u | UI3 | exaggeration |
| ba'ucu'i | UI*3 | accuracy |
| ba'unai | UI*3 | understatement |
| baba | pu* | will be going to |
| baca'a | pu* | will actually |
| baca'o | ZAho* | will be then |
| bai | BAI | compelled by |
| bapu | PU* | will have been |
| bau | BAI | in language |
| be | BE | link sumti |
| be'a | FAhA1 | north of |
| be'e | coi | request to send |
| be'i | BAI | sent by |
| be'o | BEhO | end linked sumti |
| be'u | UI5 | lack |
| be'ucu'i | UI*5 | presence |
| be'unai | UI*5 | satiation |
| bei | BEI | link more sumti |
| bi | PA1 |  |
| bi'e | BIhE | hi priority operator |
| bi'i | BIhI | unordered interval |
| bi'o | BIhI | ordered interval |
| bi'u | UI3a | new information |
| bi'unai | UI*3 | old information |
| ${ }^{\text {biki }}$ 'o | PA** | 8,000 |
| bimei | MOI* | is a octet |



| MOI* | is eighth among |
| :---: | :---: |
| ${ }^{\text {PA }}$ * | 80 |
| ${ }^{\text {PA }}$ * | 800 |
| PA* | 8004 |
| ${ }^{\text {BO }}$ | short scope link |
| ${ }_{\text {Bu }}^{\text {BOI }}$ | end number or ler |
| GOhA | word to Lerfu |
| Goha | some selbri 2 |
| GOhA | some selbri 3 |
| UI7 | start emotion |
| UI*7 | continue emoti |
| UI*7 | end emotion |
| FAhA3 | coincident with |
| BY2 | b |
| pu | during |
| pu* | when? |
| CAhA | actually is |
| UI2 | I define |
| BAI | by authority of |
| zAhO | continuative |
| FAhA2 | in front of |
| zAh0* | has been |
| pu* | currently is |
| zAh0* | is now |
| CAI | intense emotion |
| pu* | during and after |
| ZAh0* | is going to |
| bat | lacked by |
| JoI | in a set with |
| Lau | font shift |
| CEhe | afterthought terms |
| pa3 | percent |
| joi | in a sequence with |
| KOhA8 | 1 ambda |
| CEI | pro-bridi assign |
| PA1 |  |
| BAI | in system |
| PA5 | infinity |
| RoI* | infinite times |
| BAI | emotionally fel |
| BAI | on the scale |
| PA** | 3,000 |
| MOI* | is a trio |
| MOI* | is third among |
| PA* | 30 |
| PA* | 300 |
| RoI* | thrice |
| co | tanru inversion |
| zAho | initiative |
| GOhA | unspecif bridi |
| zAho | achievative |
| coi | partings |
| zAhO | cessative |
| COI | greetings |
| CoI* | greetings in passi |
| cu | selbri separator |
| vUhU3 | absolute value |
| CUhE | odal ? |

quantified selbri: convert 8 to ordinal selbri; x 1 is eighth among x 2 ordered by rule x lumber/quantity: 80 [eighty]
number/quantity: $800{ }^{\text {leight }}$ hundred]
umber/quantity: 8004, without comma
hort scope joiner; joins various constructs with shortest scope and right grouping
lidable terminator: terminate numeral
convert any single word to BY
ogically quantified predicate variable: some selbri
Logically quantified predicate variable: some selbri
logically quantified predicate variable: some selbri
ttitudinal contour: start emotion - continue emotion - end emotio
ttitudinal contour: start emotion - continue emotion - end emotion
ocation tense relation/direction; coincident with/at the same place as; space equivalent of ca
time tense relation/direction: is [selbri]; during/simultaneous with [sumtil; present tense
sumti question asking for a time/date/event; simultaneous with what?
nodal aspect: actuality/ongoing event
vidential: I I define
nterval event contour: during ...; continuative by authority of ... |-----
ocation tense relation/direction; forwards/to the front of ...
ime tense: has been, is now in the aftermath of; (tense/modal)
ime tense: present actuality; modal aspect
ime tense: is now/simultaneously, is now in the middle of; (tense/modal)
ttitudinal stron intensity attitud nodifier
time tense: during and after; (tense/modal)
time tense: is ooing to, is now just about to, is now anticipating; (tense/modal)

-word letteral/shift: the word following indicates a new font (e.g. italics, manuscript) links terms into an afterthought termset
1.
on-logical connective: ordered sequence link; "and then", forming a sequence
seudo quantifier binding a variable within an abstraction that represents an open place
elbri variable assignment; assigns broda series pro-bridi to a selbri
ciste modal, 1st place used in scalar negation in system/conte
digit/number: infinity; followed by digits $\Rightarrow$ aleph cardinality
digit/number: infinity; followed by digits $=$ aleph cardinality
tense interval modifier: occurs infinite times, eternally; objective tense; defaults as time
cinmo modal, 1 st place
ckilu modal, 1 st place $\begin{gathered}\text { emotionally felt by } \ldots \\ \text { on the scale } \ldots\end{gathered}$
number/quantity: 3,000 expressed with comma

quantified selbri: convert 3 to ordinal selbri; x1 is third among $\times 2$ ordered by rule $\times 3$
number/quantity: 30 (thirty] number/quantity: 30 [thirty]
number/quantity: $300{ }_{\text {[three }}$ hundred]
tense interval modifier: thrice; objectively quantified tense; defaults as time tense

nterval event contour: at the starting po
=lliptical/unspecified bridi relationship
interval event contour: at the instantaneous point of ...; achievative; point event $>\mid<$
ocative: partings/good-bye the ending point of ... even if not done; cessative | ><
Interval event contour: at the
vocative: greetings/helio
vocative:
ocative: greetings in passing
liable marker: separates selbri from preceding sumti, allows preceding terminator elision lal
ense/modal question

| cu'i | CAI | neutral emotion |
| :---: | :---: | :---: |
| cu'o | MOI | probability selbri |
| cu'u | bai | as said by |
| cu'u ko'a | BAI* | as said by it-1 |
| cy | BY2 |  |
| da | KOhA1 | something 1 |
| da'a | PA4 | all except |
| da'amoi | MOI* | is penultimate among |
| da'aremoi | MOI* | is antepenultimate |
| da'e | KOhA2 | eventual utterance |
| da'i | UI3 | supposing |
| da'inai | UI*3 | in fact |
| da'o | DAhO | cancel pro-assigns |
| da'u | KOhA2 | earlier utterance |
| dai | UI5 | empathy |
| dau | PA2 | hex digit A |
| de | KOhA1 | something 2 |
| de'a | zAho | pausative |
| de'e | KOhA2 | soon utterance |
| de'i | BAI | dated |
| de'o | vuhu3 | logarithm |
| de'u | KOhA2 | recent utterance |
| dei | KOhA2 | this utterance |
| denpa bu | BY* | pause symbol |
| di | KOhA1 | something 3 |
| di'a | zAho | resumptitive |
| di'e | KOhA2 | next utterance |
| di'i | tahe | regularly |
| di'inai | TAhE* | irregularly |
| di'。 | bai | at the locus of |
| di'u | KOhA2 | last utterance |
| do | KOhA3 |  |
| do'a | UI3 | generously |
| do'anai | UI*3 | parsimoniously |
|  | BAI | unspecif modal |
| do'i | KOhA2 | unspecif utterance |
| do'o | KOhA3 | you and others |
| do'u | Dohu | end vocative |
| doi | DOI | vocative marker |
| doido'u | DOI* | - You! |
|  | GOhA | same identity as |
| du'a | FAhAI | east of |
| du'e | PA4 | too many |
| du'emei | MOI* | is too many |
| du'eroi | Roi* | too many times |
| du'i | BAI | as much as |
| du'o | BAI | according to |
| du'u | nu | bridi abstract |
| dy | BY2 | d |
| . | A | sumti and |
| .e'a | UI1 | permission |
| .e'anai | UI*1 | prohibition |
| .e'e | UI1 | competence |
| .e'enai | UI*1 | incompetence |
| .e'i | UI1 | constraint |
| .e'icu'i | UI*1 | independence |
| 'inai | UI*1 | challenge |
| e'o | UI1 | request |
| e'onai | UI*1 | negative request |

attitudinal: neutral scalar attitude modifier
onvert number to probabilitity selbibi; event x1 has probability ( $n$ ) of occurring under cond. 82.
cusku modal, 1 st place (atribution/quotation) as said by source

logically quantified existential pro-sumti: there exists something 1 (usually restricted)
digit/number: all except $n$; all but $n$; default 1
quantified selbi: converts all-but-(1) to ordinal selbri; $x 1$ is penultimate among $\times 2$ by rule $\times 3$
quantified selbri: converts all-but-2 to ordinal selbri; $x 1$ is antepenult. among $x 2$ by rule $x 3$
uantified selbri: converts all-but-2 to ordinal selbri; x1 is antepenult. among $x 2$ by rule $x 3$.
pro-sumsi: remote future utteran
discursive: supposing - in fact
discursive:
discursive: supposing - in fact
discursive:
cancel pro-sumti/pro-bridi assignments
pro-sumti: a remote past utterance; "She couldn't have known that IT would be true."
attitudinal modifier: marks empathetic use of preceding attitudinal; shows another's feelings
attitudinal modifier: marks empathetic use of preceding attitudinal; shows another's feelings
digit/number: hex digit A (decimal 10) Lten]
logically quantified existential pro-sumti: there exists something 2 (usually restricted)
digit/number: hex digit A (decimal 10) [ten]
logically quantified existential pro-sumiti: there exists something 2 (usually restricted)
俍
ogecaly quantified existential pro-sumtis there exists something
event contour for a temporary halt and ensuing pause in a process
pro-sumti: a near future utterance
detri modal, 1st place (for letters)
inary mathematical operator: logarithm; [log/ln a to base b]. default base stamp 10 or ro-sumti i: a recent utteran
pro-sumti: this utterance
ogically quantified existential pro-sumti: there exists something 3 (usually restricted)
event contour for resumption of a paused process
vent contour for resumption of a paused process
tense interval modifier: regularly; subjective tense/modal; defaults as time tense
tense interval modifier: irregularly/aperiodically; tense/modal; defaults as time tense tense interval modififier
diklo modal, 1 st place

iscursive: generous1y - parsimonious1y
iscursive: generousty - parsimoniously
ell
ellipticalicalunspecifified modal
pro-sumti: ellictical/unspecified utterance variable
pro-sumti: elliptical/unspecified utterance variab
poro-sumti: you the listener \& others unspecificied
pro-sumti: you the listener \& others unspecified
elidable terminator: end vocative (often elidable)
generic vocative marker; identifies intended listener; elidable after coi
dentity selbri; = sign; x1 identically equals $\times 2, \times 3$, etc.; attached sumti refer to same thing
ocation tense relation/ direction; east of
digit/number: too many; subjective
quantifier selbri: convert too many to cardinal selbri; x 1 is a set with too many members x 2
quantifier selbri: convert too many to cardinal selbri; x1 is a set with too many
Lense interval modifier: too many times objective tense, defautits as time tense
dunli modal, 1st place (equalled by)
djuno modal, 1st place (info source)
abstractor: predication/bridi abstractor; $x 1$ is predication [bridi] expressed in in sentence 82
astractor: pred
ogical connective: sumti afterthought and
ttitudinal: granting permission - prohibitin
ttitudinal: granting permission-p prohibiting
ttitudinal: competence - incompetence/inability
ttitudinal: competence - incompetence/inability
ttitudinal: competence - incompetence/inabilit
ttitudinal: feeling constraint - independen
attitudinal: feeling constraint - independence - challenge/resistance against constraint
ttitudinal: feeling constraint - independence - challenge/resistance against constraint
ttitudinal: request - negative request
(cf. curmi)
(cf. selri'u, seljimte)
(cf. cpedu, pikci)

titudial: sugetion

1etteral for e
attitudinal: obligation - freedom
attitudinal: obligation - freedom
logical connective: sumti afterthought $x$ but not $y$
umti place tag: tag 1st sumti place
location tense relation/direction; arriving at/directly towards.
fatne modal, 1 st place
Unary mathematical operator: reciprocal; multiplicative inverse; [1/a]
unconditional end of text; outside regular grammar; used for computer input
non-1ogical connective: respectively; unmixed ordered distributed association
sumti place tag: tag a sumti moved out of numbered place structure; used in modal conversions asnu modal, 1st place (non-causal)
sumti place tag: taq 2nd sumti
binary mathematical operator: nth root of, inverse power [a to the $1 / \mathrm{b}$ power]
hark space interval distributive aspects; labels interval tense modifiers as location-oriented location event contour tense: perfective in space; beyond the place of $\ldots$...
location event contour tense: continuative in space; throughout the place of
location event contour tense: initiative in space; on this edge of
location event contour tense: achievative in space; at the point of
location event contour tense: completive in space; at the far end of $\ldots$...
location tense interval modifier: never in space; objectively quantified tense
ocation event contour tense: anticipative in space; up to the edge of...
ocation tense interval modifier: always in space; objectively quantified tense
ocation event contour tense: superfective in space; continuing too far beyond $\ldots$.
-ary mathematical operator: divided by; division operator; $[(1($ (a/ b)/ c)/
ocative: over and out (end discussion)
digit/number: hex digit B (decimal 11) [eleven]
umti place tag: tag 3rd sumti place
umti place tag: place structure number/taq question
sumti place tag: place structure number/tag question
finti modal, 1st place (creator)
created by
created by ...
vocative: hospitality - inhospitality; you are welcome/ make yourself at home
vocative: hospitality - inhospitality ocative: hospitality - inhospitality
convert selbri to nonce modal/sumti tag


pro-sumti: he/she/it/they \#6 (specified by goi)
pro-sumti. he/she/it/they \#7 (specified by goi)
pro-sumti: he/she/it/they \#8 (specified by goi)
pro-sumti: he/she/it/they \#7 (specified by goi)
pro-sumti: he/she/it/they \#8 (specified by goi)
pro-sumti: he/she/it/they \#9 (specified by goi)
pro-sumti: he/she/it/they \# (specified by goi)
pro-sumti: he/she/it/they \#10 (specified by goi
pro-sumti: he/she/it/they $\# 10$ (specified by goil
erminator: end composite lerfu; never elidable
sumti place tag: tag 5th sumti place
reverse Polish mathematical expression (mex) operator flag
reverse polish mathematical expression
begin indicator long scope
attitudinal modifier: easy - difficult
tttitudinal modifier: easy - difficult
end indicator long scope; terminates scope of all active indicators
-ary mathematical operator: elliptical/unspecified mathematical expression (mex) operator letteral for $£$
logical connective: forethought all but tanru-internal or (with gi)
to observer ..., witnessed by ..
upper-case letteral shift
attitudinal modifier/honorific: hauteur - equal rank - meekness; used with one of lower rank
attitudinal modifier/honorific: hauteur - equal rank - meekness; used with one of equal rank


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losed interval bracket marker; mod. intervals in non-logical connectives: include boundarie
location tense relation/direction, upwards/up ff
ogical connective: forethought all but tanru-internal conditional/only if (with gi)
gasnu modal, 1st place agent/actor case tag with active agent 
Mathematical operator: null mathematical expression (mex) operator (used in >2-ary ops)
ttitudinal: elliptical/unspecified/non-specific emotion; no particular feeling
logical connective: forethought al
lidable terminator: end relative/modal phrases; usually elidable in non-complex phrase
Trinary mathematical operator: order of magnitude/value/base; [b * (c to the a power)]
logical connective: all but tanru-internal forethought connective medial marker
logical connective: bridi-tail afterthought or
logical connective: bridi-tail afterthought and bri-tail afterthought x but not y 
lol
Ogical connective:: bridi-tail afterthought biconditional/iff/if-and-ont aftengt exclusive or; Latin 'aut'
lol
Mo-bridi: repeats the next to last bridi a yes/no question, repeats the claim, meaning yes
pro-bridi: preceding bridi; in answer to a yes/no question, repeats the claim, meaning y s
pro-bridi: reeceats, rea buture repeats claim as true, updaa
pro-bridi: repats a remote past bridi 
lol
Ogical connective: forethought all but tanru-internal exclusive or (with gi); 
logical connective: tanthuought all but tanru-internal whether-or-not (with gi)
logical connective: tanru-internal forethought or (with gi)
ogical connective: tanru-inernal forethought and (with gi)
logical connective: tanru-internal forethought question (with gi)
Ogical connective: tanru-internal forethought biconditional/iff/if-and
ecteral fornctive: tanru-internal forethought whether-or-not (with gi)
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attitudinal: acceptance - blame
*)}\mathrm{ (cf. zanru)
ttitudinal: approval - non-approval - disappproval
ttitudina1: approval - non-approval - disapproval
ttitudinal: togetherness - privacy
attitudinal: appreciation- envy
attitudinal: appreciation - envy
ttitudinal: familiarity - mystery
ttitudinal: familiarity - mystery
attitudinal: belief - skepticism - disbelief
ttitudinal: belief - skepticism - disbelief
ttiudinal: belief - skepticism- disbelief
etteral for i 
attitudinal: agreement - disagreement
*)
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cf. zanru)
(cf. kansa, gumna, sivni, sepli)
cf. ckire, jilra)
(cf. slabu, nalni'o, kufra)
cf. krici, jinvi)
logical connective: sentence afterthought or

| ijanai | J.** | sentence if |
| :---: | :---: | :---: |
| ije | JA** | sentence and |
| ije'i | JA* | sentence conn ? |
| ijenai | JA* | sentence but not |
| ijo | JA* | sentence iff |
| ijonai | JA* | sentence xor |
| iju | JA* | sentence whether |
| inaja | JA* | sentence only if |
| io | UI1 | respect |
| ionai | UI*1 | disrespe |
| iu | UI1 | love |
| iucu'i | UI*1 | no love lost |
| iunai | UI*1 | hatred |
| ja | JA | tanru or |
| ja'a | NA | bridi affirmer |
| ja'e | bai | therefore result |
| ja'enai | BAI* | nevertheless resu |
| ja'i | bai | by rule |
| ja'o | UI2 | I conclude |
| jai | JAI | modal conversion |
| jaica | SE* | time conversion |
| jaigau | SE* | agent conversion |
| jaivi | SE* | location conversion |
| jau | PA2 | hex digit D |
| je | JA | tanru and |
| je'a | NAhE | scalar affirmer |
| je'e | COI | roger |
| je'ena | CoI* | negative acknow |
| je'i | JA | tanru conn? |
| je'o | BY1 | Hebrew shift |
| je'u | UI3 | truth |
| je'unai | UI*3 | falsity |
| jei | ${ }^{\mathrm{NU}}{ }^{\text {a }}$ | truth abstract |
| jenai | JA* | tanru but not |
| ji | A | sumti conn ? |
| ji'a | UI3b | in addition |
| ji'e | bat | up to 1 imit |
| ji'i | Pa4 | approximately |
| ji'ima'u | PA* | rounded up |
| ji'ini'u | PA* | rounded down |
| ji'。 | BAI | under direction of |
| ji'u | bai | based on |
| jo | JA | tanru iff |
| јо'а | UI3a | metalinguistic y |
| jo'e | joi | union |
| jo'i | johi | array |
| jo'o | BY1 | Arabic shift |
| jo'u | JoI | in common with |
| joi | JOI | in a mass with |
| joibu | BY* |  |
| jonai | JA* | tanru xor |
| ju | JA | tanru whether |
| ju'a | UI2 | I state |
| ju'e | JoI | vague connective |
| ju'i | ${ }_{\text {coi }}$ | attention |
| ju'icu'i | CoI* | at ease |
| ju'inai | CoI* | ignore me |
| ju'o | $\stackrel{\text { U15 }}{\text { UT }}$ | certainty |
| ju'ocai | UI*5 | quite certain |




Titudinal modifier: certainty - uncertainty - impossibility attitudinal modifier: certainty - uncertainty - impossibility
inary mathematical operator: number base; [a interpreted in the base $b$
etteral for $j$
bentractor property/quality abstractor (-ness); $x 1$ is quality/property exhibited by [bridi]
Klama modact, 1 st place
modal aspect: innate capability; possibly unrealized
krati modal, 1 ist place
represented by $\ldots$
krati modal, 1st place
digit/number: imaginary i; square root of -1 repr
evidential: I know by cultural means (myth or custom)
(cf. kluju'o)
ckaji modal, 1 st place
discursive: marks word serving as focus of indirect question: "I know who went to the store" tart grouping of tanru, etc; ... type of.... ; overrides normal tanru left grouping
pro-sumti: relativized sumti (object of relative clause) (usually elidable)
elidable terminator: end of tanru left grouping override (und
open interval bracket marker; modifies intervals in non-logical connectives; exclude boundaries vocative: please repeat $\qquad$
iscursive: repeating - continuing
iscursive: repeating - continuing
elidable terminator: end abstraction bridi (often elidable)
ense/modal: set/use tense default; estesese/time/modal reference base
tuitudinal question: confusion about something said
ocative: thanks - no thanks of something said
ond
ocative: thanks - no thanks to youks to you
ckini modal, 1 st place (related
igit/number: number (related to) relatively; as a relation of ...

sumti question asking for a rational explanation/justification; why?
pro-sumti: you (imperative); make it true for you, the listener

pro-sumti: he/she/it/they \#2 (specified by goi)
pro-sumti. $\mathrm{he} /$ she $/$ it/they $\# 3$ (specified by goi)
pro-sumti: he/she/it/they $\# 4$ (specified by goi)
ro-sumti: he/she/it/they \#4 (specified by goi)
pro-sumti: he/she/it/they \#5 (specified by goi)
korbi modal, 1st place (bordered by)
lidable terminator: end description, modal, or negander by... .
non-logical connective: intersection of sets
elidable terminator: end mathematical (mex) forethought (Polish) expression; often elidable
discursive: however/but/in contrast
$k u 1$ nu modal, 1 st
etteral for $k$
rame descriptor: the one(s) called ... ; takes name or selbri description
discursive: probability - improbabiiity
discursive:
probability
(cf. refbasna, krefu, rapli, velde'a)
(cf. cfipu, kucli)
 pro-sumti: the referent of the last utterance; the state described: "IT was fun
name descriptor: the set of those named ...; takes name or selbri description ame descriptor: the set of those named .... takes name or selbri descrip
delimited non-Lojban name; the resulting quote sumti is treated as a name
lani modal, 1st place (amount) $\quad$ quantifying ...; being a quantity of sumti question asking for a quantity; how many?
name descriptor: the mass of individual (s) named
ame descriptor: the mass of individual(s) named ... , takes name or selbri description
2-word letteral/shift. punctuation mark or special symbol follows
non-veridical descriptor: the one (s) described as ...
on-veridical descriptor: the one (s) described as ...
description: marks description extracting the time tense place of the description bridi

description: marks description extracting the agentive place of the description selbr escription: marks description extracting the agentive place of the deation place of the description bridi description pro-sumti: reuses the value of the x of the previous bridi
description prosumti: reuses the value of the $\times 3$ of the previous bridi description pro-sumtit: reuses the value of the x3 of the previous bridi
datilue of the x4 of the previous bridi
description pro-sumti: reuses the value of the $x 5$ of the previous bridi description pro-sumti: reuses the value of the $\mathrm{x5}$ of the previous br
in/of category ...
hon-veridical descriptor: the stereotype of those described as ...
hon-veridical descriptor: the set of those described as
attitudinal modifier: aggressive - passive - defensive
ttitudinal modifier: aggressive - passive - - defensive
attitudinal modifier: aggressive - passive - defensive
end quote of questionable or out-of-context text; not elidable
possessivelassociative descriptor: the one (s) described as, of yours
hon-veridical descriptor: the mass of individual (s) described as... .
hon-veridical descriptor: the mass of individual(s) described as $\ldots$.
possessive/associative descriptor: the one(s) described as, of it-1's
possessive/associative descriptor: the one (s) described as, of mine
possessive/associative descriptor: nearby demonstrative possessinve; cannot use for 'THAT ....'
possessive/associative descriptor: immediate demonstrative possessive; cannot use for 'THTS possessive/associative descriptor: immediate demonstrative possessive
possessive/associative descriptor: distant demonstrative posse
located descriptor: descriptive that-there (non-demonstrative)
located descriptor: descriptive this-here (non-demonstrative)
located descriptor: descriptive this-here (non-demonstrative)
located descriptor: descriptive that-yonder (non-demonstrative)
the number/evaluated expression; convert number/operand/evaluated math expression to sumti
discursive: clearly -obscurely
the number
discursive: clearly - obscurely
discursive: clearly - obscurely
 abstractor: experience abstractor; x1 is 82 's experience of [bridi] (participant or obs
discursive omited text (quoted material)
elidablide terminator: end grammatical quotation; seldom elidable except at end of text
veridical descriptor: the one(s) that really is (are) ...
shift letterals to Lojban (Roman) alphabet
shift letterals to Lojban (Roman) alphabet
veridical descriptor: the typical one (s) who really is (are)
veridical descriptor: the typical one (s) who really is (are) $\ldots$...
veridical descriptor: the set of those that really are $\ldots$, treated as set
elidable terminator: end math express. (mex sumti. end mex-to-sumti conversion
veridical descriptor: the set of those that really are .... treated as a set
elidable terminator: end math expres. (mex) sumti; end mex-to-sumti conversion; usually elidable
start questionable/ out-of-context equote text should be Lojban words, but needn't be grammatical eridical descriptor: the mass of individual(s) that is (are)
start grammatical quotation; quoted text should be grammatical on its own
the members of the set/components of the mass; converts another descripti
 he symbol for (indirect discourse), uses the symbol/word(s) for a sumti as the desired sumt
he set with members; converts another description type to a set of the members
 lidable termina
letteral for 1
letteral for lti question (what/who/how/why/etc.); appropriately fill in sumti blank
pro-sumti: sumtii
prosumti: me/we the speaker(s)/author(s) \& you the listener (s) \& others unspecified
ro-sumti: me/we the speaker (s)/author(s) \& you the listener (s) \& others unspecified
material in object/substance
marji modal, 1st place
manri modal, 1st place (by standard 2)
material in object/substance ...
in reference frame ....
in convert letteral string or otther mathematical expression (mex)
digit/number: plus sign; positive number; default any positive
digit/number: plus sign; positive number; default any positive
utterance ordinal suffixi converts a number to an ordinal, such as an item or paragraph number
zmadu modal int ist place (a greater)

 leca modal, 1 st place (a lesser)
cmene modal, 1 st place (requires with name ...; so-called
sunti question asking for a nuires quote) who?; requires quoted name as an answer
digit /number: less than
the mathematical expression (unevaluated); convert unevaluated mathematical expression to sumti elidable terminator: end sumti that was converted to selbri; usually elidable

convert number to cardinality selbri; x 1 is the mass formed from set x 2 whose n member ( s ) are x 3 pro-sumti: me/we the speaker (s)/author (s); identified by self-vocative
pro-sumti: me/we the speaker(s)/author (s) \& others unspecified, but not
elf vocat me, we the speaker(s)/author(s) \& others unspecifiea, but not you, the listener
self vocative: self-introduction - denial of identity; denies identity of speaker
non-logical interval connective: ordered components: … center, .... range surrounding center
pro-bridi: bridi/selbri/brivla question
Pro-bridi: bridi/selbri/brivla question
digit/number: too fewi subjective
tense interval modifier: too few times; objective tense: defaults
tense interval modifier: too few times; objective tense; defaults as time tense
convert sumti to mex operand; sample use in story arithmetic: [3 apples $]+[3$ apples $]=$ what convert sumti. to mex operand
mark motions in space-time
space motion tense: northwardly; to the north directional space motion
pace motion tense: moving to coincide directional space motion
space motion tense: forward directional space motion
space motion tense: forward directional space motion
space motion tense: eastwardly; to the east directional space motion
pace motion tense: arriving at; arriving at a point diectectional
space motion tense: apwardly; upwards directional space motion
space motion tense: moving into directional space motion
space motion tense: southwardly; to the south directional space motion
pace motion tense: southwardly; to the south directional space moti
space motion tense: downwardly; downwards directional space motion
space motion tense: downwardly; downwards directional space mo
space motion tense: passing through directional space motion
space motion tense: along; along a path directional space motion
space motion tense: rightwardly; to the right directional space motion
space motion tense: orbiting; surrounding/annular directional space motion
space motion tense: moving along the border directional space motion
spense: rearwardsly rearwards directional space motion
space motion tense: moving away from a point directional space motion
space motion tense: moving away from a point directional space motion
space motion tense: westwardly; to the west directional space motion
space motion tense: outwardsly; outward directional space motion
Sace motion tense: passing by a site directional space motion
space motion tense: passing by a site directional space
space motion tense: approaching directional space motion
space motion tense: leftwardsly; to the left directional space motion
higher-order utterance ordinal suffix; converts a number to ordinal.
igher-order utterance ordinal suffix; conver number to ordinal, usually a section/chapte nterval event contour: at the natural ending point of $\ldots$; completive
onvert number to ordinal selbri; x1 is ( $n$ ) th member of set $x 2$ ordered by igit/number: 5 (digit) [five)
iscursive: for example - omitting - end examples
discursive: for example - omitting - end examples
iscursive: for example - omitting-end examples
bstractor: achievement (event) abstractor; x1 is the event-as-a-point/achievement of [bridi]
nukti modai, 1 st place sumti. muestion asking
ukti modal, 1st place for a motive; why?
mukt modal, 1st place
vocative: over (response OK) - more to come
vocative: over (response OK) - more to come
nupli modal, 1 st place
number/quant ity
quantiffier selbri: convert 5 to cardinal selbri; x 1 is a set with the quintet of members x 2
quantifier selbri: convert 5 to cardinal selbri; $x 1$ is a set with the quintet of members $\times 2$
quantified selbri: convert 5 to ordinal selbri; x 1 is fifth among x 2 ordered by rule x 3 umber/quantity: 50 [fifty]
number/quantity
letteral for $m$
oridi contradictory negator; scope is an entire bridi; logically negates in some cmavo compound
cancel all letteral shifts
contrary scalar negator: other than ...; not ...; a scale or set is implied
contrary scalar negator: other than .... not .... a scale or set is implied
space direction: not towards specified point, contrary negation; direction modal

| na'epu'i | CAhA* | has never |
| :---: | :---: | :---: |
| na'i | UI3a | metalinguistic not |
| na'o | TAhE | typically |
| na'onai | TAhE* | atypically |
| na'u | NAhU | selbri to operator |
| na.a | $\mathrm{A}^{*}$ | sumti only if |
| nagi'a | GIhA* | bridi only if |
| nago'i | GOhA* | deny last bridi |
| nai | NAI | negate last word |
| naja | JA* | tanru only if |
| nau | cuhe | reference point |
| ne | GoI | incidental phrase |
| ne'a | faha3 | next to |
| ne'i | FAhA3 | within |
| ne'o | vUhU3 | factorial |
| ne'u | FAhA1 | south of |
| nei | Goha | current bridi |
| ni | nu | amount abstract |
| ni'a | FAhA2 | below |
| ni'e | NIhE | selbri to operand |
| ni'i | BAI | because of logic |
| ni'i ma | BAI* | by what logic? |
| ni'inai | BAI* | despite logic |
| ni'。 | NIho | new topic |
| ni'u | PA3 | negative number |
| no | PA1 |  |
| no'a | GOhA | next outer bridi |
| no'e | NAhE | scalar midpoint not |
| no'i | NTho | old topic |
| no'o | PA5 | typical value |
| no'u | GOI | incidental identity |
| noda | KOhA* | nothing at all |
| noi | NoI* | incidental clause |
| ${ }_{\text {nomo }}$ noroi ${ }^{\text {a }}$ | MAI** | section 0 |
| nor | ${ }_{\text {RU }}^{\text {no }}$ | never event abstract |
| nu'a | nuha | operator to selbri |
| nu'e | coi | promise |
| nu'ecu'i | coi* | release from promise |
| nu'enai | CoI* | non-promise |
| nu'i | NUhI | start fore termset |
| nu'o | CAhA | can but has not |
| nu'u | nuhu | end fore termset |
| ny | BY2 |  |
| . 0 | A | sumti iff |
| .o'a | UI1 | pride |
| . $0^{\prime}$ acu'i | UI*1 | modesty |
| -o'anai | UI*1 | shame |
| . ${ }^{\prime}$ e | UI1 | closeness |
| - 0 'enai | UI*1 | distance |
| . $0^{\prime}$ i | U11 | caution |
| - 0 'inai | UI*1 | rashness |
| . ${ }^{\prime}$ O | UI1 | patience |
| .o'ocu'i | UI*1 | mere tolerance |
| - 0 'onai | UI*1 | anger |
| . ${ }^{\prime \prime}$ | UI1 | relaxation |
| .o'ucu'i | UI*1 | composure |
| .o'unai | UI*1 | stress |
| .obu | BY* | - |

[^0]
ttitudinal: complaint - pleasure
attitudinal: complaint-pleasure
ttitudinal: social complaint
ttitudinal: mental complaint (puzzlement, excess mental work)
ttitudinal: physical complaint
ogical connective: sumti afterthought exclusive or: Latin 'aut
ogical connective: sumti afterthought exclusive or, Latin 'aut
igit/number: 1 (digit)

discursive: justice - prejudice
discursive: justice - prejudice
binary mathematical operator: ratio; [the ratio of a to b]
location tense relation/direction; transfixing/passing through ...
pagbu modal 1 1st place
number component
umber/quantity: 13 [thirteen] digit/number: pi (approximately 3.1416...)
number/quantity: 1,000 expressed with comm

discursive utterance ordinal: first section/chapter ordinal
uantified selbri: convert 1 to ordinal selbri; x 1 is first among x 2 ordered by rule x 3
umber/quantity: 15 [fifteen
quantifier sellbi: convert 10 to cardinal selbri; $\times 1$ is a set with the decade of members x
quantified selbri: convert 10 to ordinal selbri; x 1 is tenth among x 2 ordered by rule x 3
number/quantity: 100 [one hundred]
quantifier selbri: convert 100 to cardinal selbri; x 1 is a set with the century of members x 2
number/quantity: 11 [eleven]
number/quantity: 12 [twelve]
number/quantity: 12 [twelve]
quantified sellbri: Convert 12 to cardinal selbri; $x 1$ is a set with a dozen members $\times 2$
tense interval modifier: once; objectively quantified tense; defaults as time tense
quanter interval modifier: once; objectively quantified tense; defaults as time tense
number/quantity: 19 [nineteen]
discursive: optional question premarker
discursive: unreal/rhetorical question follows
number/quantity: 14 [fourteen]
number/quantity:
16
[sixteen]
number/quantity: 16 [sixteen]
number/quantity: 17 [seventeen]
number/quantity: 17 [seventeen]
restrictive relative phrase marker: which is associated with ... loosest associative/possessiv
marks a construct as figurative (non-literal/metaphorical) speech/text
arks the following connective as joining termsets
vidential: I opine (subjective claim)
orethought flag for mathematical expression (mex) Polish (forethought) operator
vectitudinal: attitudinal question; how do you feel about it? with what intensity?
attitudinal: attitudinal question; how do you feel abou
digit/number: radix (number base) point; default decima
-ary mathematical operator: operands are vectors to be treated as matrix rows
digit/number:separates digits for base $>16$, not current standard, or variable (e.g. time, date)
digit/number:separates digits for base >16, not current standard, or variable $(e . g$. tit
h-ary mathematical operator: times; multiplication operator; $[(1(a * b) * c) *(\cdots)]$
ilno modal, 1st place

on-logical connective: cross product; Cartesian product of | sets |
| :--- |

umber: too much of
probability selbri, event x1 has a 50/50 chance under cond. x2 quantified selbri: convert. $2=1 / 5$ to portion selbri; $x 1$ is $1 / 5$ of mass/totality x 2

## 

| $\mathrm{PA}^{*}$ | all of |
| :---: | :---: |
| MOI* | is the whole of |
| ${ }_{\text {PA* }}$ | most all of |
| PA* | uch of |
| RoI* | much of the time |
| $\mathrm{PA}^{*}$ | a little of |
| RoI* | rarely |
| PA* | at least some of |
| GoI | is specific to |
| goi | which belongs to |
| BAI | in the sequence |
| U13b | uniquely |
| GOI | restrictive identity |
| not | restrictive clause |
| pu | before |
| BAI | pleased by |
| BAI | by process |
| CAhA | can and has |
| zAho | anticipative |
| NU1 | process abstract |
| pu* | was going to |
| PU* | actually was |
| ZAh0* | was then |
| pu* | before and after |
| pu* | before and during |
| pu* | had earlier been |
| pu* | a medium time before |
| pu* | for a period in past |
| pu* | for a moment in past |
| pu* | for an era in past |
| PU* | a short time before |
| pu* | a long time before |
| BY2 | $p$ |
| KOhA5 | recent sumti |
| BAI | pertained to by |
| pa3 | repeating decimal |
| bat | from source |
| RAhO | pro-assign update |
| UI3 | chiefly |
| UI*3 | equally |
| UI*3 | incidentally |
| BAI | with superlative |
| PA4 | enough |
| MOI* | are enough |
| MOI* | is enoughth among |
| PA1 |  |
| vuhu4 | transpose |
| UI4 | spiritual |
| UI * 4 | sacrilege |
| coi | ready to receive |
| CoI* | not ready to recei |
| FAhA3 | adjacent to |
| ROI | ordinal tense |
| PA2 | hex digit E |
| PA* | 2,000 |
| MAI* | secondly |
| MOI* | is a pair |
| MOI* | is second among |
|  | 20 - |

number: all of
fuantified selbri: converts all-of to portion selbri; x 1 is the whole portion of mass x 2
number: almost
tense interval modifier: often; objectively quantified tense; defaults as time tense
number: a little of
tense interval modifier: rarely; objectively quantified tense; defaults as time tense
number: at least some of
restrictive relative phrase marker: which is specific to ...; normal possessive physical/legal
restrictive relative phrase marker: which is specific to ...; normal possessive phys
restrictive relative phrase marker: which belongs to ... . inalienable possession
porsi modal, 1st place (in order)

discursive: uniquely, only, solely: the only relevant case
restrictive appositive phrase marker: which is the same thing as
restrictive relative clause; attaches subordinate bridi with identifying information to a sumti
Eime tense relation/direction: did [selbri]; before/prior to [sumti]; default past tense pluka modal, 1st place
pleased by
by proces

time tense: was going to; (tense/modal)
ime tense: past actuality;
time tense: past actuality; modal aspect
time tense: was then; (tense/modal)
time tense: before and after; (tense/modal)
time tense: before and during; (tense/modal)
time tense: before and during; (tense/modal)
time tense: had earlier been; (tense/modal)
time tense:
Eime tense: a medium time before; (tense/modal)
time tense: for a medium length interval some time in
time tense: for a short interval some time in the past; (tense/modal)

Ime tense: a short time before; (tense/modal)
pro-sumti
rrana modal, 1st place digit/number: repeating digits (of a decimal) follow
krasi modal, 1st place from source/origin/starting point $\ldots$... krasi modal, 1 ist place
flag Goha to indicate pro-assignment context updating for all pro-assigns in referenced bridi discursive: chiifly - equally - incidentally
discursive: chiefly - equally - incidentally
discursive: chiefly - equally - incidentally
discursive: chiefly - equally - incidentally


quantified selbri: converts enough to cardinal; $x 1$ is a set with members $\times 2$, enough by sta. $x 3$
quantified selbri: converts enough to ordinal; $x 1$ is enoughth among x2, order rule $x 3$ igit/number: 2 (digit) [two]
unary mathematical operator: matrix transpose/dual; $A^{*}$
emotion category/modifier: religious/spiritual/worship - sacrilege
motion category/modifier: religious/spiritual/worship
emotion category/modifier: spiritual/worship - sacrilege
mocative: ready to receive - not ready to receive
ocative: ready to receive - not ready to receive
location tense relation/direction; adjacent to/touching/contacting
onverts number to an objectively quantified ordinal tense interval modifier; defaults to time
digit/number: hex digit E (decimal 14) [fourteen]
umber/quantity: 2,000 expressed with
discursive: second utterance ordinal
quantified selbrii. convert 2 to cardinal selbri; x1 is a set with the pair of members 82
quantiol convert to ordinal selbri; $\mathrm{x1}$ is second among x 2 ordered by rule x 3
fumber/quantity: 20 [twenty]


Wantifier selbri: convert 20 to cardinal selbri; $\times 1$ is a set with the score of members $\times 2$
fumber/quantity: 200 [two hundred] tense interval modifier; objectively quantified tense; defaults as time tense
pro-sumti: the last sumti, as determined by back-counting rules
rinka modal, 1 st place (phys./mental)
rinka modal, 1 st place (phys./mental)
sumti question asking for a physical cause; why? causal because
sumti question asking for a physical cause; why? despite cause
cinka modal, 1st place (phys./mental)
attitudinal modifier: release of emotion - emotion restraint
attitudinal modifier: release of emotion- emotion restraint
(cf. cniri'u, cnicru)
attitudinal modifier: release of emotion - emotion restraint
lifri modal, 1st place patient/passive case tag; happens to..., experienced by...., with passive..
rinary mathematical operator: ©integral of a with respect to b over range c]
digit/number: each, all
emotion category/modifier: social - antisocial
emotion category/modifier: social-antisociial
emotion category/modifier: mental - mindless
emotion category/modifier: mental - mindless
motion category/modifier: emotional - denying emotio
motion category/modifier: emotional - denying emotio
emotion category/modifier: physical - denying physica
emotion category/modifier: physical - denying physical
motion category/modifier: sexual - sexnal abstion
emotion category/modififier: sexual - sexual abstinence
emotion category/modifier: sexual - sexual abstinence
motion category/modifier: sexual - sexual abstinence
logically quantified universal sumti: everything (unless restricted)
onverts number to an objectively quantified tense interval
Converts number to an objectively quantified tense interval modifier; defaults to time tense
discursive utterance ordinal: finally; last utterance ordinal
discursive utterance ordinal: finally; last utterance ordinal
quantified selbri: is final among; convert all to ordinal selbri; $x 1$ is last among 82 , rule $\times 3$

pro-sumti: a remote past sumti, before all other in-use backcounting sumt
attitudinal: weak intensity attitude modifier
ense interval modifier: continuously; subjective tense/modal; defaults as time tense
tense interval modifier: occasional/intermittent/discon
shift letterals to Crinilic alphabet
location tense relation/direction; surrounding/annular
erase complete or partial utterance; next word shows how much erasing to do
discursive: material inserted by editor/narrator (bracketed text)
discursive: precisely speaking - loosely speaking
discursive: material inserted by editor/narrator
discursive: precisely speaking-1 oosely speaking
discursive: precisely speaking - loosely speaking
h -ary mathematical operator: operands are vectors to be treated as matrix column
trinary mathematical operator: [derivative of $a$ with respect to $b$ of degree $c$ ]
iscursive: simply - elaboratin
discursive: simply - elaborating
attitudinal: moderate intensity attitude modifier
sarcu modal, 1st place
2nd conversion; switch 1 st $/ 2$ nd places
attitudinal modifier: self-sufficiency - dependency
attitudinal modifier: self-sufficiency - dependency
attitudinal modifier: self-sufficiency - dependency
following digits code a character (in ASCTI, Unicode, etc.
ollowing digits code a character (in ASCII, Unicode, etc.)
ttitudinal modifier: self-oriented - other-oriented


bangu modal, 2nd place (speakers)
benji modal, 2nd place (message/cargo)
anji modal, 2nd place
message/cargo)
cf. jikca)
(cf. menli)
f. cinmo
cf. xadni)
(cf. cinse)
(cf. sruma)
(cf. setca)
(cf. satci, jibni)
(cf. sampu, pluja)
(cf. sezysei, kantcu)
(cf. sevzi, drata)
(cf. senva)

| secau | BAI* | without |
| :---: | :---: | :---: |
| seci'e | BAI* | with system functio |
| seci'o | BaI* | emoting |
| seci'u | BAI* | on scale measuring |
| secu'u | BAI* | expressing |
| sede'i | BAI** | on the same date as |
| sedi'o | BAI* | at specific locus |
| sedu'i | BAI* | equal to |
| sedu'o | BAI* | knowing facts |
| sedu'u | Nu* | sentence abstract |
| sefa'e | BaI** | in reversal of |
| sefi'e | BAI* | creating work |
| sega'a | BAI* | observing |
| segau | BAI* | as agent in doing |
| sei | SEI | discursive bridi |
| seja'e | BAI* | results because |
| ja'enai | BAI* | results despite |
| seja'i | BAI* | by rule prescribing |
| seji'e | BAI* | as a limit of |
| seji'o | BAI** | controlling aspects |
| seji'u | BAI* | supporting |
| seka'a | BAI* | with destination |
| seka'i | BAI* | on behalf of |
| sekai | BAI* | with property |
| sekai ma | BAI* | which kind? |
| seki'i | BAI* | related to |
| seki'u | BAI* | reason therefore |
| seki'unai | BAI* | reason nevertheles |
| sekoi | BAI* | as boundary of |
| seku'u | BAI* | in culture of |
| sela'u | bai* | in quantity |
| sele'a | BaI* | as a category of |
| seli'e | BAI* | preceding |
| sema'e | BAI* | made of material |
| sema'i | BAI* | as a standard for |
| semau | BAI* | more than |
| semaunai | BAI* | not more than |
| seme'a | BAI* | less than |
| seme'anai | BAI* | not less than |
| seme'e | ${ }_{\text {BAI** }}$ | as a name for |
| semu'i | BAI* | motive therefore |
| semu'inai | BaI* | motive nevertheless |
| semu'u | BAI* | example of property |
| seni'i | BAI* | entails therefore |
| seni'inai | BaI* | entails nevertheless |
| sepa'a | BAI* | similar to |
| sepa'u | BAI* | as a part of |
| sepi'o | BAI* | using tool |
| sepo'i | BAI* | sequenced by rules |
| sepu'a | BAI** | in order to please |
| sepu'e | BAI* | processing from |
| sera'a | BAI* | concerning |
| sera'i | BAI** | as an origin of |
| serai | BAI* | superlative in |
| seri'a | BAI* | causal therefore |
| seri'anai | BaI* | causal nevertheless |
| ri'i | BAI* | experiencing |
| sau | $\stackrel{\text { BAI** }}{ }$ | necessary for |
| si'u | BAI* | assisting |


| claxu | modal, | 2nd place | (lacking) | without |
| :---: | :---: | :---: | :---: | :---: |
| ciste | modal, | 2nd place |  | with system function |
| cinmo | modal, | 2nd place | (shows attitude) | emotionally; emoting |
| ckilu | modal, | 2nd place | used in scalar negation | on scale measuring |
| cusku | modal, | 2nd place | (saying) | expressively; expressin |
| detri | modal, | 2nd place | (for letters) | on the same date as ... ; label with event |
| diklo | modal, | 2nd place |  | locally; at specific locus |
| dunli | modal, | 2nd place | (same as 1st); | equal to ... [same as 1st place modal] |
| djuno | modal, | 2nd place |  | knowingly; knowing facts |
| compou | and abst |  | entence/equation abstract; | x 1 is text expressing [bridi] which is x 2 |
| fatne | modal, | 2nd place | (same as 1st); | backwards; in reversal of |
| finti | modal, | 2nd place |  | creatively; creating work |
| zgana | modal, | 2nd place |  | observing |
| gasnu | modal, | 2nd place | actor/agent case complemen | nt; actively; as active agent in doing |
| start | discurs | sive (metal | linguistic) bridi |  |
| jalge | modal, | 2nd place | (event causal) | results because |
| jalge | modal, | 2nd place | (event causal) | results despi |
| javni | modal, | 2nd place |  | orderly; by rule prescribing |
| jimte | modal, | 2nd place |  | limitedly; as a limit of |
| jitro | modal, | 2nd place |  | controlledly; controlling/guiding aspects |
| jicmu | modal, | 2nd place | (from basis) | supporting ...; as a basis for |
| klama | modal, | 2nd place |  | with destination |
| krati | modal, | 2nd place |  | representingly; on behalf of |
| ckaji | modal, | 2nd place | (quality) | characterized by ...; with property |
| sumti | questio | on asking f | for a characteristic proper | y/quality; which? |
| ckini | modal, | 2nd place | (same as 1st) | related to |
| krinu | modal, | 2nd place |  | reason therefore |
| krinu | modal, | 2nd place |  | reason nevertheless |
| korbi | modal, | 2nd place | (bounding) | as boundary of |
| kulnu | modal, | 2nd place | (people) | in culture of |
| klani | modal, | 2nd place |  | in quantity ...; measured as |
| klesi | modal, | 2nd place |  | as a category of/within. |
| lidne | modal, | 2nd place |  | preceding ...;leading ... ; non-time sequence |
| marji | modal, | 2nd place |  | made of material/composition |
| manri | modal, | 2nd place | (of reference) | as a reference standard for observing |
| $z^{\text {madu }}$ | modal, | 2nd place | (relative!) | more than ...; usually a sumti modifier |
| zmadu <br> mleca | modal, modal, | 2nd place | (relative!) (relative!) | not more than ...i usually a sumti modifier less than ...; usually a sumti modifier |
| mleca | modal, | 2nd place | (relative!) | not less than ...; usually a sumti modifier |
| cmene | modal, | 2nd place | (the named one) | as a name for |
| mukti | modal, | 2nd place |  | motive therefore ...; motivating action |
| mukti | modal, | 2nd place |  | motive nevertheless |
| mupli | modal, | 2nd place |  | as an example of property |
| nibli | modal, | 2nd place |  | entails therefore... |
| nibli | modal, | 2nd place |  | entails nevertheless |
| panra | modal, | 2nd place |  | similarly; similar to |
| pagbu | modal, | 2nd place | (whole) | partially; as a part of ... |
| pilno <br> porsi | modal, | 2nd place <br> 2nd place | (instrumental) tool/machin | ne/apparatus/acting entity; using (tool) sequentially; sequenced by rules ... |
| pluka | modal, | 2nd place | (for) pl | leasingly; pleasing ...; in order to please |
| pruce | modal, | 2nd place | (inputs) | processing from inputs |
| srana | modal, | 2nd place | (pertaining to) | relevantly; concerning ... (less specific) |
| krasi | modal, | 2nd place |  | originally; as an origin/starting point of |
| traji | modal, | 2nd place | (property) | -est; most extremely; superlative in |
| rinka | modal, | 2nd place | (phys./mental) | causal therefore ... |
| rinka <br> lifri | modal, | 2nd place <br> 2nd plac | (phys./mental) | causal nevertheless ... |
|  | modal, | 2nd place |  | necessarily |
| sidju | modal, | 2nd place |  | assisting ... (in doing/maintaining something |


| seta＇i | BAI＊ | as a method for |
| :---: | :---: | :---: |
| setai | BaI＊ | as a form of |
| seti＇i | BAI＊ | suggesting |
| seti＇u | BAI＊ | at the same time as |
| setu＇i | BAI＊ | as a location of |
| seva＇o | BAI＊ | as conditions for |
| seva＇u | BAI＊ | with beneficiary |
| sezau | BAI＊ | approving |
| sezu＇e | BAI＊ | goalfully acting at |
| si | SI | erase word |
| si＇a | UI3b | similarly |
| si＇e | MOI | portion selbri |
| si＇i | vUhU4 | sigma summation |
| si＇。 | nu | concept abstract |
| si＇u | BAI | aided by |
| slaka bu | BY＊ | close－comma |
| so | PA1 | 9 |
| so＇a | ${ }^{\text {PAA } 4}$ | almost all |
| so＇e | PA4 | most |
| so＇eroi | ROI＊ | usually |
| so＇i | PAA＊ | many |
| so＇imei | MOI＊ | is a bunch |
| so＇iroi | ROI＊ | many times |
| so＇o | PA4 | several |
| so＇u | $\stackrel{\text { PR4 }}{ }$ | few |
| so＇uroi | ROI＊ | a few times |
| soi | SOI | reciprocal sumti |
| soki＇o | PA＊ | 9，000 |
| somoi | MOI＊ | is ninth among |
| sono | PA＊ |  |
| sonono | PA＊ | 900 |
| sosoce＇i | PA＊ | 99 percent |
| sozepimu | PA＊ | 97.5 |
| su | Su | erase discourse |
| su＇a | UI2 | I generalize |
| su＇anai | UI＊2 | I particularize |
| su＇e | PA4 | at most |
| su＇i | vuhu1 | plus |
| su＇。 | PA4 | at least |
| su＇oremei | MOI＊ | is plural |
| su＇oremoi | MOI＊ | is at least second |
| su＇u | nu | unspecif abstract |
| sy | BY2 |  |
| ta | KOhA6 | that there |
| ta＇a | coi | interruption |
| ta＇e | tahe | habitually |
| ta＇enai | TAhE＊ | non－habitually |
| ta＇i | BAI | by method |
| ta＇i ma | BAI＊ | by what method？ |
| ta＇。 | UI3 | by the way |
| ta＇onai | UI＊3 | return to main point |
| ta＇u | UI3a | making a tanru |
| ta＇unai | UI＊3a | expanding the tanru |
| tai | BAI | in form |
| tau | LAU | shift next lerfu |
| te | SE | 3rd conversion |
| te＇a | vuhu2 | to the power |
| te＇e | FAhA3 | bordering |
| te＇o | PA5 | exponential e |

[^1]（cf．tanru）
x 1 resembles $\times 2$ sharing ideal form／shape $\times 3$ in property $\times 4$

| te'u | TEhU | end mex converters |
| :---: | :---: | :---: |
| tebau | BAI* | expressing |
| tebe'i | BAI* | sent to |
| ca'i | BAI* | basis for authority |
| teci'e | BAI* | of system components |
| teci'o | BAI* | emoting about |
| tecu'u | BAI* | as told to |
| tede'i | BAI* | on date at location |
| tedi'o | BAI* | at locus within range |
| tedu'i | BAI* | equal in property |
| tedu'o | BAI* | knowing about |
| tefi'e | BAI* | created for purpose |
| tega'a | BAI* | observed by means |
| tei | TEI | composite lerfu |
| teja'i | BAI* | by rule within |
| teji'e | BAI** | limited in property |
| teji'o | BAI** | controlling event |
| teka'a | BAI* | with origin |
| teka'i | BAI* | representing in |
| teki'i | BAI* | with relation |
| tekoi | BAI* | bordering |
| tela'u | BAI* | measured on scale |
| tele'a | BAI* | defined by quality |
| teli'e | BAI* | ordered in sequence |
| tema'e | BAI* | in material form |
| tema'i | BAI* | rules of standard |
| temau | BAI** | more in property |
| teme'a | ${ }^{\text {BAI* }}$ | less in property |
| teme'e | ${ }^{\text {BAI* }}$ | as a name used by |
| temu'i | BAI** | motive of person |
| temu'u | BAI* | example out oof set |
| teni'i | ${ }^{\text {BAI** }}$ | under logic system |
| tepa'a | BAI* | contrasting property |
| tepi'o | BAI* | usage for purpose |
| tepo'i | BAI* | ordering items |
| tepu'a | BAI* | pleasing conditions |
| tepu'e | BAI* | processing into |
| terai | BAI* | at extreme |
| teri'a | BAI* | causal conditions |
| tesau | BAI* | necessarily under |
| tesi'u | BAI* | assisting in |
| teta'i | BAI* | method conditions |
| tetai | ${ }_{\text {BAI* }}$ | sharing ideal form |
| teti'i | BAI* | suggested to |
| teti'u | BAI* | time on day |
| teva'u | BAI* | goodness standard |
| tezu'e | BAI* | with goal |
| ti | KOhA6 | this here |
| ti'a | fahal | behind |
| ti'e | UI2 | I hear |
| ti'i | ${ }^{\text {BAI }}$ | suggested by |
| ti' ${ }^{\text {co }}$ | SEI | mex precedence |
| ti'u | ${ }^{\text {BAI }}$ | associated with tim |
| to | то | start parenthesis |
| to'a | ${ }^{\text {BY1 }}$ | lower-case shift |
| 'e | NAhE | polar opposite |
| o'i | T0 | editorial unquot |
| to'o | FAhA4 | away from point |
| to'u | UI3 | in brief |



| to'unai | UI*3 | in detail |
| :---: | :---: | :---: |
| toi | тоI | end parenthesis |
| tu | KOhA6 | that yonder |
| tu'a | LAhe | the bridi implied by |
| tu'e | TUhE | start text scope |
| tu'i | BAI | associated with site |
| tu'o | PA5 | null operand |
| tu'u | TUhU | end text scope |
| ty | BY2 | t |
| . ${ }^{\text {a }}$ | A | sumti whether |
| .u'a | UI1 | gain |
| .u'anai | UI*1 | loss |
| .u'e | UI1 | wonder |
| .u'enai | UI*1 | commonplace |
| .u'i | UII | amusement |
| .u'inai | UI*1 | weariness |
| .u'o | UII | courage |
| .u'ocu'i | UI*1 | timidity |
| .u'onai | UI*1 | cowardice |
| u'u | UI1 | repentance |
| .u'ucu'i | UI*1 | lack of regret |
| .u'unai | UI*1 | innocence |
| . ${ }^{\text {a }}$ | UI1 | discovery |
| .uanai | UI*1 | confusion |
| .ubu | BY* | $u$ |
| .ue | UI1 | surprise |
| . uecu'i | UI*1 | not very surprised |
| .uenai | UI*1 | expectation |
| . uepei | UI*1 | surprised? |
| .ui | UI1 | happiness |
| . uibu | BY* | happy face |
| .uinai | UI*1 | unhappiness |
| .uo | UI1 | completion |
| . uonai | UI*1 | incompleteness |
| .uu | UI1 | pity |
| . uunai | UI*1 | cruelty |
| va | VA | there at |
| va'a | vuhu3 | additive inverse |
| va'e | MOI | scalar selbri |
| va'i | UI3 | in other words |
| va'inai | UI*3 | in the same words |
| va'o | BAI | under conditions |
| va'u | BAI | benefiting from |
| vai | PA2 | hex digit F |
| vau | vau | end simple bridi |
| ve | SE | 4 th conversion |
| ve'a | VEhA | small space interval |
| ve'e | vEhA | whole space interval |
| ve'i | veha | tiny space interval |
| ve'o | VEhO | right bracket |
| ve'u | vEhA | big space interval |
| vebe'i | BAI* | transmit origin |
| veci'e | BAI** | with synergy in |
| vecu'u | BAI* | expressed in medium |
| vede'i | BAI** | on date by calendar |
| du'o | BAI* | under epistemology |
| vefi'e | BAI* | created from |
| vega'a | BAI* | observed under |
| vei | vei | left bracket |

Scursive: in brief - in detai
discursive: in brief - in detail
elidable terminator: right parenthesis/end unquote; seldom elidable except at end of text
prosummi: that yonder; distant demonstrative it; indicated thing far from speaker\&listene
pro-sumti: that yonder; distant demonstrative it; indicated thing far from speaker \&listener
extracts a concrete sumti from an unspecified abstraction; equivalent to le nu/su'u [sumti]co'
start of multiple utterance scope; used for logical/non-logical/ordinal joining of sentences
start of multiple utterance scope, used for logical/non-logical/ordinal joining of sentences
stuzi modal, sst place (used to situate letters) associated with site. ; label with locatio
digit/number: null operand (used in unary operations); a non-specific/eliliptical number
lidable terminator
letteral for $t$
logical connective: sumti afterthought whether-or-not
logical connective: sum
attitudinal: gain - los
attitudinal: gain los
attitudinal: gain - loss
attitudinal: wonder - commonplace
attitudinal
attitudinal: wonder - - commonplace
attitudinal: amusementace
attitudinal: amusement - weariness
attitudinal: amusement - weariness
attitudinal: courage - timidity - cowardice
ttitudinal: amusement - weariness
attitudinal: courage - timidity - cowardice
attitudinal: courage - timidity - cowardice
attitudinal: courage - timidity - cowardice
attitudinal: repentance - lack of regret -innocence (cf. xenru, zugycni)
attitudinal: repentance - lack of regret - innocence
attitudinal: $\begin{aligned} & \text { iscovery - confusion/searching } \\ & \text { attitudinal: } \\ & \text { discovery }\end{aligned}$
retteral for u
attitudinal: surprise - not really surprised - expectation
attitudinal: surprise - not really surprised - expectation axis
attitudinal: surprise - expectation
attitudinal: surprise - expecta
attitudinal: happiness - unhappiness
letteral: happiness symbol (letteral)
attitudinal: happiness - unhappiness
atitudinal: completion - incompleten
attitudinal: completion - incompleteness
attitudinal: completion-in
attitudinal: pity - cruelty
attitudinal: pity - cruelly
location tense distance: near to ... ; there at ...; a medium/small distance from...
unary mathematical operator: addititive invere inse; $[-$ a] a medium/small
convert number to scalar selbrii x1 is at (n)th position on scale $x 2$
discursive: in other words - in the same words
discursive: in other words - in the same word
discursive: in other words - in the same word
under conditions ...; in environment...
xamgu modal, 1 st place beneficiary case tag complement benefiting from .
digit/number: hex digit F (decimal 15) [fifteen]
llidable: end of sumti in simple bridi; in compound bridi, separates common trailing sumt ldable: end of sumti in simple brich
th conversion; switch 1st/4th places
location tense interval: a small/medium region of space
ocation tense interval: the whole of space
ocation tense interval: a tiny region of space
location tense interval: a tiny region of space
right mathematical bracket
location tense interval: a large region of space
ceation tense interva
benji modal, th place
iste modal, 4th place
transmit origin
as a system with
as a system with synergy in .
in expression medium ...
under epistemology ...
creatively; created $\because$ from ideas/elements
observed under observing conditions.
(cf. jinga, selne'u, prali, cirko)
(cf. manci, fadni)
(cf. selzdi, selxajmi, xalbo)
(cf. virnu)
(cf. facki, cfipu, sisku)
(cf. spaji)
cf. gleki)
(cf. mulno, mansa, fanmo, snada)
cf. kecti)
(cf. cneselsku)

lama modal, 4th place
madu modal, 4th place (relative!)
mleca modal, 4th place (relative!)
panra modal, 4nd place (standard/geometry)
pruce modal, 4th place (set of stages)
pruce modal, 4th place (set of stages)
traji modal, 4th place
tcika modal, 4th place (for letters)
Ocation tense distance: here at at...; at or a ver
sumti question asking for a location:' at/near what
dimensionality of space interval tense: 2-space interval; throughout an area
imensionality of space interval tense: 4 -space interval; throughout a spacetime
dimensionality of space interval tense: 1 -space interval; along a line
ocative: wilco (ack and will comply)
dimensionality of space interval tense: 3 -space interval; throughout a space

pro-sumti: repeats st place of main bridi of this sentence
pro-sumti i repeats 2nd place of main bridi of this sentenc
pro-sumti $i$ repeats 3rd place of main bridi of this sentenc
pro-sumti: repeats 3rd place of main bridi of this sentenc
pro-sumti: repeats 4th place of main bridi of this sentenc
ro-sumti: repeats 5th place of main bridi of
on-veridical restrictive clause used to form complicated le-like descriptions using "ke'a
number/quantity: 4,000 expressed with comma
quantified selbri: convert 4 to ordinal selbri; $x 1$ is fourth among $x 2$ ordered by rule $\times 3$

location tense distance: far from ....; yonder at ... ; a long distance from...
location tense relation/direction,
latitudinal modifier: virtue - sin
attitudinal modifier: virtue - sin
ttitudinal modifier: virtue - sin
sumti qualifier: the sequence made from set or composed of elements/components; order is vague
joins relative clause/phrase to complete complex or logically connected sumti in afterthought letteral for $v$,
digit/number: 6 (digit) [six]
umber/quantity: 6,000 expressed with comma
quantified selbri: convert 6 to ordinal selbri; x 1 is sixth among x 2 ordered by rule x 3

number/quantity: 600 [six hundred]
umber/quantity: 64,000 expressed wit
th conversion; switch 1st/5th places
th conversion; switch 1st/5th
benji modal, 5 th place (medium)
lama modal, 5th place transmitted via
by transport mode $\ldots$
cursive:
letteral for $x$
hesitation noise; maintains the floor while speaker decides what to say next
letteral for
letteral
for
Eime tense distance: medium distance in time
time tense distance: medium distance in time
evidential. I observe
forethought nonce-word indicator; indicates next word is nonce-creation and may be nonstandard
forethought nonce-word indicator; indicates next word is nonce-creation and may be nonstandard
abstractor: state (event) abstractori; x1 is continuous state of [bridi] being true
interval event contour: continuing too long after natural end of $\ldots$; superfective ।---> igit/number: greater than
-word letteral/shift: alternate alphabet selector follows
ananu modal, ${ }^{\text {1st }}$ place
digit/number: 7 (digit) [seven]
via route
lese than/exceeding by amount ..
less than by amount $\ldots$..
passing through processing stages....
similarly; sharing ideal form in propert .. rom.

| 'a | ZEhA | medium time interval |
| :---: | :---: | :---: |
| ze'aba | 2EhA* | for a while after |
| ze'aca | zEhA* | for a while during |
| ze'apu | zEhA* | for a while before |
| ze'e | zEhA | whole time interval |
| ze'i | ZEhA | short time interval |
| ze'o | faha4 | outward |
| ze'u | zEhA | long time interval |
| zei | zEI | lujvo glue |
| zeki'o | PA* | 7,000 |
| zemoi | MOI* | is seventh among |
| zeno | PA* | 70 |
| zenono | PA* | 700 |
| zi. | 2 I | short time |
| $z$ 'e $^{\text {e }}$ | ZIhE | rel clause joiner |
| zi'o | KOhA 7 | nonexistent it |
| $z 0$ | $z 0$ | 1 -word quote |
| zo'a | FAhA4 | tangential to |
| zo'e | KOhA7 | unspecif it |
| zo', i | FAhA4 | inward |
| zo' ${ }^{\circ}$ | UI5 | humorously |
| zo'obu | BY* | smiley face |
| zo'ocu'i | UI*5 | dully |
| zo'onai | UI * 5 | seriously |
| zo'u | zohu | end prenex |
| $z o i$ | zoi | non-Lojban quote |
| $z^{2}$ | 2 ZI | long time |
| zu'a | FAhA2 | on the left of |
| zu'e | bai | with actor |
| zu'i | KOhA7 | typical it |
| zu'o | NU1 | activity abstract |
| zu'u | UI3 | on the one hand |
| zu'unai | UI*3 | on the oth |
| zy | BY2 | z |

[^2]
[^0]:    Odal aspect: has never, and perhaps cannot; other-than-demonstrated-ability
    discursive: metalinguistic negator
    discursive: metalinguistic negator
    tense interval modifier: characteristically/typically; tense/modal; defaults as time tense
    tense interval modifier: atypically; subjective tense/modal/ default
    ten
    tense interval modifier: atypically; subjective tense/modal; defaults as time tense
    convert selbri to mex operator; ised to create less-used operators using le'avla, lujvo, etc
    convert selbri to mex operator; used to create less-used operators using le'avla, lujvo, etc.
    oglcal connective: sumti afterthought conditional/only if
    logical connective: bridi-tail afterthought conditional/only if
    elbri: repeats preceding bridi while denying it as false; pro-assign values are unchanged
    attached to cmavo to negate them; various negation-related meanings
    logical connective: tanru-internal afterthought conditional/only if
    ense: refers to current space/time reference absolutely
    on-restrictive relative phrase marker: which incidentally is associated with ...
    location tense relation/direction; approximating/next to
    unary mathematical operator: factorial; a!
    location tense relation/direction; south of
    10cation tense relation/direction; so
    probridi: repeats the current bridi
    abstractor: quantity/amount abstractor; x1 is quantity/amount of [bridi] measured on scale x2
    location tense relation/direction; downwards/down from
    convert selbsi relation/direction; mex operand; used to create new non-numerical quantifiers; e.g. "herd" of oxen
    nibli modal, 1st place
    sumti question asking for a logical proof; why? logically; logically because ...
    sumti question asking
    nibli modal, 1st place
    iscursive: paragraph break; introduce despite logic
    igit/number: minus sign; negative number); default any negative
    digit/number: 0 (diqit) [zero]
    pro-bridi: repeats the bridi in which this one is embedded
    protridi: repeats the bridi in which this one is embedded
    nidpoint scalar negator: neutral point between je'a and to'e; "not really"
    discursive: paragraph breaki resume previous topic
    discursive: paragraph break; resume previous topic
    non-restrictive appositive phrase marker: which incidentally is
    logically quantified sumti: nothing at all (unless restricted)
    logically quantified sumti: nothing at all (unless restricted)
    non-restrictive relative clause; attaches subordinate bridi with incidental information
    discursive utterance ordinal: zeroth section/chapter ordinal; foreword
    tense interval modifier: never; objectively quantified tense; defauls as time tense
    lime tense
    tense interval modifier: never; objectively quantified tense; defeauts as time
    abstractor: generalized event abstractor; x1 in state/process/achievement/activity of [bridi] abstractor: generalized event abstractor; $\times 1$ is state/process/achievement/
    convert mathematical expression (mex) operator to a selbri/tancu component
    convert mathematical expression (mex) operator to
    vocative: promise - promise release - un-promise
    vocative promise - promise release - un-promise
    vocative:
    vocative: promise - promise release - un-promise
    start forethought termset construct; marks start of place structure set with logical connection start forethought termset construct; marks start of place structure set with logical connect
    hodal aspect: can but has not, unrealized potential
    elidable terminator: end forethought termset; usually elidable except with foll
    loteral for $n$
    logical connective: sumti afterthought biconditional/iff/if-and-only-if
    lit
    logical connective: sumti afterthought bicond
    attitudinal: pride - modesty / humility - shame
    attitudinali: pride - modesty humility - shame
    attitudinal: pride - modesty /humilitity - shame
    attitudinal: closeness - distance
    attitudinal: closeness - distance
    ttitudinal: closeness - distance
    ttitudinal: caution - rashess
    attitudinal: caution - rashness
    attitudinal: caution - rashness
    attitudinal: caution - rashness
    attitudinal: patience - mere tolerance - anger
    attitudinal: patience - mere tolerance - anger
    attitudinal: patience - mere tolerance - anger
    attitudinal: patience - mere tolerance - anger
    attitudinal:
    attitudinal: patience - mere tolerance - anger
    attitudinal: relaxation - composure - stress
    attitudinal: relaxation - composure - stress
    attitudinal: relaxation - composure - stress
    letteral for 0
    (Cf. igira, cumla, ckeji)
    (cf. cnijbi, cnikansa
    (cf. capyrivbi, capfanta, srerivbi, srefanta, naldarsi, seljde)
    (cf. surla, cnilanxe, dunku)

[^1]:    methodically；as a method for doing $\ldots$ ．．．
    similarly；resembling $\ldots$（in ideal form） similarly；resembling．．．．（in ideal form
    suggestively；suggesting（idea／action）． suggestively；suggesting（idea／action）．．．
    at the same time as $\ldots$ ；label with event
    as a location of $\ldots$ ．
    as conditions／environment of／for．
    for the benefit of．．．；with beneficiary
    

    ```
    (environment)
    ```

    parposefuliy; goalfully acting at...
    purposefully；goalfal
    ukte modal．，2nd place
    crase the last Lojban word，treating non－Lojban text as a single word
    discursive：similarly

    $$
    \text { ytion selbri; } x 1 \text { is an }(n) \text { th }
    $$

    Convert number to portion selbri； $\mathrm{x1}$ is an（ n ）th portion of mass／totality x 2 ；（cf．gunma）
    trinary mathematical operator： ［sigma summation of a using variable bover range cl
    trinary mathematical operator：［sigma summation of a using variable b over range c］
    
    etteral：Lojban＂＂character
    digit／number： 9 （dígit）
    digititnine）
    （number：almost all（digit／number）
    digit／number：most
    ense interval modifier：usually；objectively quantified tense；defaults as time tense digit／number：many
    quantified selbri：convert many to cardinal； x 1 is a set with many members x 2 of total set x 3
    quantified selbri：convert many to cardinali；$x 1$ is a set with many members 82
    tense interval modifier：many times；objective tense；defaults as time tense
    digit／number：several
    digit／number：few
    tense interval modifier：a few times；objective tense；defaults as time tense
    tense interval modifier：a few times；objective tense；defaults as time tense
    discursive：reciprocal sumti marker；indicates a reciprocal relationship between sumti
    umber／quantity： 9,000 expressed with comma
    uantified selbri：convert 9 to ordinal selbri； xl is ninth among 2 ordered by rule x 3
    number／quantity： 900 ［nine hundred］
    number quantity：
    number quantity： $99 \%$（n
    numtity
    erase to start of discourse or text；drop subject or start over
    evidential：I generalize－I particularize：discursive：abstrat
    eren
    evidential：I generalize－I particularize；discursive：abstractly－concretely
    evidential：I generalize－I particularize；discursive：abstractly－concretely
    vidential：I generalize－I particularize；discursive：abstractly－concretely
    digit／number：at most（all）；no more than
    n－ary mathematical operator：plus；addition operator；$[((1 a+b)+c)+\ldots)]$
    digit／number：at least（some）：no less than
    digit／number：at least（some）；no less than
    quantified selbri：convert at least 2 to cardinal selbri；$\times 1$ is a set with plural membership $\times 2$ 2
    uantified selbri：convert at least 2 to cardinal selbri；$\times 1$ is a set with plural membership $\times 2$
    quantified selbri：convert at least 2 to ordinal selbri；$x 1$ is at－least－2nd among 82 by rule $x 3$ bantractor：generalized abstractor（how）；$x 1$ is［bridi］as a non－specific abstraction of type x letteral fors $\qquad$ po－sumti：that there；nearby demonstrative it；indicated thing／place near listener
    ocative：interruption
    tense interval modifier：habitualiy；subjective tense／modal；defaults as time tense
    tense interval modifier：non－habitually；subjective tensel modali；defaults as time tense
    tadji modal， 1 st place（in manner 3）
    discursive：by the way－returning to main point
    iscursse
    discursive：by the way－returning to main point
    discursive：making a tanru－expanding the tanr
    iscursive：making a tanru－expanding the tanru
    Camsmi modal， 1 st place（1ike）／（in manner 2）resembling ．．．；sharing ideal form．．
    2－word letteral／／shitt：change case for next letteral only
    3rd conversion；switch 1st／3rd places
    binary mathematical operator：to the power；exponential；［a to the b power
    Iocation tense relation／direction；edged by／exponential；
    Iodging up to
    location tense relation/direction; edged by/edging up to
    digit/number: exponential e (approx 2.71828 ...)

[^2]:    tense interval: a medium length of time
    time tense: a medium time interval offset towards the future; (tense/modal)
    time tense: a medium time interval spanning the present; (tense/modal)
    time tense interval: the whole o£ time
    location tense relation/direction; beyond/outward/receding from
    ime tense interval: a long amount of time
    joins preceding and following words into a lujv
    Joins preceding and following words into a lujv
    quantified selbri: convert 7 to ordinal selbri; x 1 is seventh among x 2 ordered by rule x
    number/quantity: 70 [seventy]
    number/quantity: 700 [seven hundred]
    Cime tense distance: instantaneous-to-short distance in time
    joins relative clauses which apply to the same sumti
    pro-sumti: fills a sumti place, deleting it from selbri place structure; changes selbri semantic
    quote next word only; quotes a single Lojban word (not a cmavo compound or tanru)
    ocation tense relation/direction; tangential to/passing by $\ldots$...
    ro-sumti: an elliptical/unspecified varue; has some value which makes brid
    location tense relation/direction; nearer than $\ldots$ /inward/approaching from
    attitudinal modifier: humorously- dully - seriousily
    atetiteran: humor symbol, ":-)" and its related forms expressing humor (letteral)
    tetteral: humor symbol, ":-)" and its related forms
    attitudinal modifier: humorously - dully - seriously
    attitudinal modifier: humorously - dully - seriously
    arks end of logical prenex quantifiers/topic identification and start of sentence bridi
    delimited non-Lojban quotation; the result treated as a block of text
    time tense distance: long distance in time
    location tense relation/direction; leftwards/to the left of $\ldots$ with goal-seeking actor .
    lukte modal, 1 st place (purposed agent)
    
    abstractor: activity (event) abstractor; x 1 is abstract activity of [bridi] composed of x 2
    iscursive: on the one hand -on the other hand
    iscursive: on the one hand - on the other hand
    (cf. xajmi, junri)
    letteral for $z$

